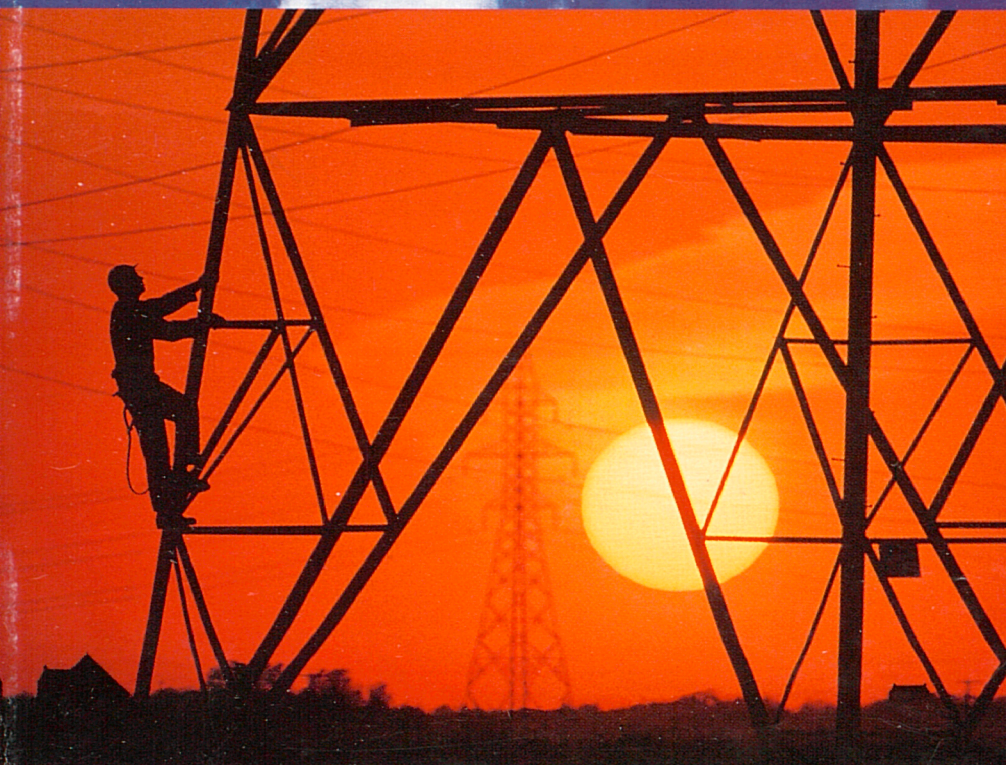




E U R O P E A N
C O M M I S S I O N

The demonstration component of the JOULE-THERMIE Programme

T H E R M I E



- business mission
- seminar
- workshop
- exhibition
- conference
- training
- publication
- audit-assessment
- study
- electronic catalogue

renewables

heat and power

oil and gas

industry

buildings

transport

Synopsis of THERMIE Actions 1995-96

Dissemination

RTD-Strategy

Technology Stimulation of SMEs






JOULE-THERMIE

The JOULE-THERMIE programme was launched in 1995 as the European Union's first 'integrated' programme, bringing together the resources of the European Commission Directorates-General XII (Science, Research and Development) and XVII (Energy). This programme is funded by the European Union's Fourth Framework Programme for Research and Technological Development, one of the most extensive research funding initiatives available to European companies and research organisations.

The JOULE-THERMIE programme runs until 1998 and has a total budget of 1,030 MECU of which 566 MECU are allocated to the THERMIE demonstration component of the programme for the support of projects and associated measures. THERMIE is focused on the cost-effective, environmentally-friendly and targeted demonstration and promotion of clean and efficient energy technologies. These consist of renewable energy technologies; rational use of energy in industry; buildings and transport; a clean and more efficient use of solid fuels and hydrocarbons. Essentially, THERMIE supports actions which are aimed at proving both the technological and economical viability and validity of energy technologies by highlighting the benefits and by assuring a wider replication and market penetration both in EU and global markets.

Colour Coding

To enable readers to quickly identify those Maxibrochure relating to specific parts of the THERMIE Programme each Maxibrochure is colour coded with a stripe in the lower right hand corner of the front cover, i.e.:

-  RATIONAL USE OF ENERGY - RUE
-  RENEWABLE ENERGY SOURCES - RES
-  SOLID FUELS - SF
-  HYDROCARBONS - HC
-  GENERAL - GEN

Reproduction of the Contents is subject to acknowledgement of the European Commission.

Neither the European Commission, nor any person acting on its behalf:
a) make any warranty or representation, express or implied, with respect to the information contained in this publication; b) assumes any liability with respect to the use of, or damages resulting from this information.
The views expressed in this publication do not necessarily reflect the views of the Commission.

European Commission

Synopsis of THERMIE

Actions 1995-96

Dissemination

RTD Strategy

Technology Stimulation of SMEs

A great deal of additional information on the European Union is available on the Internet.
It can be accessed through the Europa server (<http://europa.eu.int>).

Cataloguing data can be found at the end of this publication.

Luxembourg: Office for Official Publications of the European Communities, 1998

ISBN 92-828-3949-4

© European Communities, 1998
Reproduction is authorised provided the source is acknowledged.

Printed in Belgium

Contents

Introduction.....	III
Index of contracts by number	V
Index of contracts by sectors	XVI
Rational Use of Energy (RUE)	XVI
Renewable Energy Sources (RES).....	XXI
Fossil Fuels (FF).....	XXV
RUE & RES	XXVIII
RUE, RES & FF	XXIX
Index of contracts by topics	XXX
Business-mission.....	XXX
Workshop	XXX
Conference.....	XXXIII
Exhibition.....	XXXIV
Seminar.....	XXXIV
Exhibition-Stand	XXXV
Training	XXXVI
Other Event	XXXVII
Audit-Assessment.....	XXXVIII
Study.....	XXXVIII
Publication.....	XLII
Electronic Catalogue	XLIV
Other Delivery Based	XLIV
Projects	1-357

INTRODUCTION

Clean and efficient energy technology is a vital driver to achieving European energy and environmental policies as well as meeting the global environmental challenge. The European Commission's approach under the non-nuclear energy programme in the 4th Framework Programme (Joule-Thermie) therefore emphasises support the market penetration of clean, innovative technologies developed and demonstrated within the programme and in European countries. To this end, 'accompanying measures' (so called 'Thermie B Project') have been initiated by energy players and the industry and co-financed by Thermie. A great part of them are carried out by the European industry being a crucial carrier for an effective dissemination of successful energy technologies.

These associated measures cover a wide range of activities such as technology and market assessments, the organization of conferences, seminars and workshops, business missions, the production of publications including videos and press campaigns, all related to innovative energy technology.

This first booklet of the Thermie B projects description includes initiatives supported in 1995 and 1996, under the umbrella of Thermie. The information presented is based on the input from the contractors responsible for the activities.

Each project is presented on one page, which contains information on the project, including the description of the project, its aims and objectives, as well as the expected results or progress results and if completed, the final achievement. The document also provides useful information such as funding, coordination and other participating organizations, including the information on who to contact, if further information is needed.

The projects are presented by energy sectors according to the year of the proposal. For easy consultation the projects are also indexed by topic and contract number.

The document will be useful mainly for European professionals in the energy sector who take an active interest in the implementation of innovative technologies and thus can exploit achieved findings. The publication will also be useful for future applicants in the forthcoming 5th Framework Programme, building new activities on earlier experiences.

This publication will be followed by an up-date publication on Thermie B 1997 projects. A provision of all projects supported under the 4th Framework Programme on Internet is also under preparation.

Index of contracts by number

SME-0003-1995-BE	PRODUCTION OF A SME- AND SMO- ORIENTED CD-ROM ON ENERGY FROM BIOMASS AND WASTE	1
DIS-0004-1995-BE	RENEWABLE ENERGIES: ONE FAIR TO ADVERTISE, 5 DAYS TO UNDERSTAND	2
SUP-0006-1995-BE	IREN. INTERSERVICE RENEWABLE ENERGIES NEWSLETTER	3
DIS-0007-1995-GR	COMMERCIALISATION OF THE SESAME DATA-BASE	4
SME-0015-1995-DE	CREATION OF AN INTERNAL BIOMASS BOILER MARKET IN EUROPE	5
DIS-0017-1995-DE	HANDBOOK "ENERGY TECHNOLOGIES" - PART 2	6
DIS-0024-1995-IT	FOLLOW-UP OF THE PHOTOVOLTAIC ACTION AND PROMOTION OF PV TECHNOLOGY IN THE THIRD COUNTRIES	7
DIS-0027-1995-ES	PREPARATION OF CLEAN COAL TECHNOLOGY NEWSLETTERS	8
DIS-0030-1995-DE	PRESENTATION OF THE EUROPEAN COMMISSION AT PROMOTIONAL EVENTS - JOULE/THERMIE-INFO-STAND	9
DIS-0031-1995-DE	ANALYSIS OF MARKET POTENTIAL AND PRODUCTION OF COUNTRY RELATED HANDBOOKS SIMPLIFYING THE ERECTION OF BIOMASS COMBUSTION	10
STR-0038-1995-DE	INTENSIFIED CO-OPERATION WITH INTERNATIONAL FINANCING INSTITUTIONS	11
DIS-0041-1995-DE	MARKET ANALYSIS, STRATEGY DEVELOPM. AND DISSEM. EFFORTS FOR SUPPORTING MARKET BREAKTHROUGH OF CNG IN SMALL VEHICLES	12
STR-0042-1995-DE	COMPARATIVE ANALYSIS OF ENERGY RTD PROGRAMMES AND MARKET OBSERVATION SYSTEMS IN THE US, JAPAN AND EUROPE, PILOT PHASE	13
DIS-0051-1995-FR	PROM. OF EU EXPERIENCES ON MEASURES TO REINFORCE URB. PUBL. TRANSP. ATTRACTIV. IN MED. SIZED TOWNS OF NEW MEMBERS STATES	14
SME-0055-1995-SE	SOLAR HEATING IN NORTHERN AND CENTRAL EUROPE	15
DIS-0059-1995-DE	TECHNICAL EVALUATION AND REGIONAL WORKSHOPS ON RUE IN THE WOOD WORKING AND WOOD PROCESSING INDUSTRY	16
DIS-0069-1995-FR	SOCIAL HOUSING AND ENERGY TECHNOLOGIES : A SOLUTION FOR SOCIAL COHESION	17
DIS-0070-1995-FR	TRAINING OF ENERGY MANAGERS IN THE SERVICES OF LOCAL AUTHORITIES	18
DIS-0072-1995-FR	DEVELOPMENT STUDY OF THE SMALL COGENERATION IN FRANCE ACCORDING TO THE ACQUIRED EXPERIENCE IN UK, DK, DE, IT, ES	19
SME-0075-1995-FR	DEVELOPEMENT OF SOLAR ENERGY IN DOMESTIC APPLICATIONS BY EXPERIENCE SHARING BETWEEN THREE REGIONS	20
DIS-0076-1995-FR	AWARENESS AND VALUE ADDED ACTIVITIES FOR COAL COMBUSTION RESIDUE	21
DIS-0077-1995-FR	THERMIE STAND IN THE "FOIRE INTERNATIONALE DE BORDEAUX" AND CONFERENCE ON EFFICIENT AND CLEAN TECHNOLOGIES	22
STR-0078-1995-FR	MAKE ENERGY TECHNOLOGIES KNOWN TO GENERAL PUBLIC	23
DIS-0083-1995-DE	EXHIBITION STAND AT THE ISES SOLAR WORLD CONGRESS IN HARARE ZIMBABWE 9-16 SEPTEMBRE 1995	24
STR-0087-1995-DE	IMPACT OF ENERGY EFFICIENT TECHNOLOGIES FOR URBAN TRANSPORT AND URBAN TRANSPORT MANAGEMENT SYSTEMS	25
DIS-0088-1995-PT	CONFERENCE IN CABO VERDE ON: PROMOTION OF SUCCESSFUL EUROPEAN RENEWABLE ENERGY TECHNOLOGIES IN CABO VERDE	26
DIS-0091-1995-ES	PLAN TO PROMOTE THE USE OF NATURAL GAS IN PUBLIC TRANSPORT	27
DIS-0092-1995-ES	FUNCTIONAL INTEGRATION OF TRANSPORT MODES THROUGH MODAL INTERCHANGE POINTS	28
DIS-0100-1995-GB	FOLLOW-UP ACTIONS FROM THE 1994 MADRID CONFERENCE ON RES	29
DIS-0103-1995-LU	STRATEGY FOR THE DISSEMINATION OF INFORMATION OF THE UTILIZATION OF BIOMASS	30
DIS-0109-1995-GB	EXHIBITION STAND AT PAPEX 95	31
DIS-0110-1995-GB	WORKSHOP ON "THIRD PARTY FINANCING AND COGENERATION IN THE PAPER INDUSTRY" DURING "PAPER WEEK"	32

SME-0112-1995-NL	FLO-ICE AND BINARY ICE TECHNOLOGY AS WORKING FLUIDS	33
DIS-0115-1995-FR	ANALYSIS OF MARKET SEGMENTS AND OF THE MARKET PENETRATION POTENTIAL OF INTEGRATED URBAN TRANSPORT SYSTEMS	34
SME-0116-1995-PT	BUSINESS COOPERATION FOR WINDFARM DEVELOPMENT IN PORTUGAL	35
DIS-0117-1995-NL	DISSEMINATION OF LANDFILL GAS UTILISATION	36
DIS-0120-1995-BE	MARKET INTRODUCTION IN FLANDERS OF STORAGE OF WINTERCOLD FROM AMBIENT AIR IN AQUIFERS	37
SME-0121-1995-DE	PV DEMONSTRATION AND EDUCATION SYSTEM	38
STR-0122-1995-GB	SUPPORT FOR THE DEVELOPMENT OF AN ENERGY RTD STRATEGY	39
SUP-0125-1995-GB	STRATEGIC AND TECH. SUPPPORT IN THE HC SECTOR-COLLABORATION WITH OPET NETWORK FOR PROMOTION/DISS/SUP FOR THIRD COUNTRIES	40
STR-0127-1995-GB	EUROPEAN UNION OIL AND GAS SME DIRECTORY (THIRD EDITION)	41
STR-0128-1995-GB	EUROPEAN DEMONSTRATION PROJECT INVENTORY (THIRD EDITION)	42
DIS-0135-1995-GB	OFFSHORE TECHNOLOGY CONFERENCE (OTC) 1-4 MAY 1995 HOUSTON, USA	43
DIS-0136-1995-GB	EAEG/EAPG TECHNICAL EXHIBITION 30 MAY/2JUNE 1995, GLASGOW, UK	44
DIS-0137-1995-GB	OFFSHORE EUROPE EXHIBITION 5-8 SEPTEMBER 1995, ABERDEEN, UK	45
DIS-0138-1995-GB	OIL & GAS TYUMEN 13-17 NOVEMBER 1995, TYUMEN, WESTERN SIBERIA, RUSSIA	46
SME-0139-1995-GB	OFFSHORE TECHNOLOGY CONFERENCE (O.T.C.) - 6-9 1996 - HOUSTON, USA	47
DIS-0140-1995-GB	PROSPECTS FOR PETROLEUM EXPLORATION TECHNOLOGIES (GEOSCIENCES) MARKET STUDY	48
SME-0145-1995-GB	NEW EUROPEAN TECHNOLOGIES FOR THE EXPLORATION AND EXPLOITATION OF OIL AND GAS RESOURCES	49
DIS-0150-1995-GB	IDENTIFICATION AND PREPARATION OF "BANKABLE" ENERGY EFFICIENCY PROJECTS FOR EBRD AND THE EU	50
STR-0151-1995-GB	PREPARATION OF ENERGY TECHN. TRANSFER TO UKRAINE AND BELARUS	51
STR-0153-1995-ES	TECHNICAL-JURIDICAL EUROPEAN FORUM ON RENEWABLE ENERGY:"EUROPEAN ENTERPRISES FACING TECHNICAL & LEGAL BARRIERS OF RES"	52
DIS-0154-1995-FR	ALTERNATIVE URBAN FREIGHT STRATEGIES	53
DIS-0161-1995-BE	PRODUCTION OF A CD ROM ON BIOCLIMATIC ARCHITECTURE	54
DIS-0162-1995-BE	PREPARATION AND DISSEMINATION OF A MAXIBROCHURE TO PROMOTE BIOCLIMATIC ARCHITECTURAL DESIGN	55
DIS-0164-1995-GB	PRODUCTION OF THE THERMIE COGENERATION NEWSLETTER	56
DIS-0169-1995-FR	WORKSHOP ON PIPELINE INTEGRITY (DECEMBER 1996, TYUMEN)	57
SME-0170-1995-FR	SEMINARS ON "RESERVOIR ENGINEERING AND RESERVOIR MANAGEMENT"	58
SME-0171-1995-FR	WORKSHOP ON WELL REPAIR - FEBRUARY 1996, TYUMEN	59
SME-0174-1995-FR	EUROMANAGEMENT	60
SUP-0180-1995-NL	ADM. SUPPORT AND COORD. IN THE FIELDS OF DATABASES, MODELLING AND OTHER METHODS/TOOLS FOR SUCCESSFUL DISSIMINATION	61
DIS-0182-1995-PT	MARKET FOR NATURAL GAS ENERGY TECHNOLOGIES	62
DIS-0183-1995-PT	PROMOTION OF USE OF COOLING STORAGE SYSTEMS	63
DIS-0187-1995-DE	THERMIE PHOTOVOLTAIC DISSEMINATION ACTIVITIES	64
DIS-0189-1995-IE	PROMOTION OF ENERGY TECHNOLOGIES IN THE BUILDING SECTOR, BASED ON SUCCESSFUL THERMIE PROJECTS	65
STR-0193-1995-DK	STRAT. FOR EXTENDED USE OF DHC IN EUROPE, INCL. THE CONTINUATION OF MARKETING GROUP	66
STR-0194-1995-DK	STRATEGY FOR THE DISSEMINATION OF WIND ENERGY IN EUROPE.	67
SUP-0195-1995-DK	IMPROVED COST-EFFECTIVE USE OF THE SKILLS AND EXPERIENCE AVAILABLE IN DK,SE, FI, (AND NO) FOR ENERGY TECHN. TO ALL SECT	68
SUP-0198-1995-GB	DISSEMINATION OF THE RESULTS OF THE TRANSPORT TARGETED PROJECTS	69

DIS-0201-1995-IT	MARKETING GROUP ACTIVITY BRICK AND TILE SECTOR	70
STR-0202-1995-IT	THE ENERGY USE OF WASTES IN THE BRICK INDUSTRY	71
DIS-0207-1995-IT	MARKETING GROUP ACTIVITY ON THIRD PARTY FINANCING (TPF)	72
DIS-0211-1995-IT	AN ITALIAN ESCO : HOW TO ACHIEVE IT?	73
DIS-0216-1995-DE	PROGR. TO PROMOTE INNOVATIVE HVAC AND LIGHTING TECHNOLOGIES IN LARGE RETAIL BUILDINGS USING INNOVATIVE FINANCING METHODS	74
SUP-0217-1995-DE	CONDUCT INQUIRIES AT FAIRS AND EXHIBITIONS TO WORK-OUT A GUIDE FOR THE IMPROVEMENT OF THERMIE EXHIBITION PRESENTATIONS	75
STR-0219-1995-DE	PREPARATION OF ENERGY TECHNOLOGY TRANSFER TO RUSSIA	76
DIS-0221-1995-DE	WORKSHOP - OPTIMUM COMBUSTION CONTROL IN COAL-FIRED THERMAL POWER PLANTS	77
DIS-0223-1995-ES	MARKET STUDY OF ABSORPTION COOLING AND CHILLING TECHNOLOGIES FOR THE INDUSTRIAL SECTOR	78
DIS-0226-1995-ES	THE OPERATION OF UNESCO MEDITERRANEAN SOLAR COUNCIL	79
DIS-0228-1995-ES	ORGANISATION OF TECHNICAL VISITS FOR UNESCO'S ANNUAL SUMMER SCHOOL	80
STR-0234-1995-ES	TRAINING AND DISSEMINATION ACTIVITIES IN LATIN AMERICA (TASK V)	81
STR-0238-1995-PT	A GLOBAL ENERGY STRATEGY FOR ENERGY AND ENVIRONMENT FOR EXPO'98 EVALUATION OF THE ENERGY PERFORMANCE OF EXPO98 BUILDING	82
STR-0239-1995-DK	PREPARATION OF ENERGY TECHNOLOGY TRANSFER AND COORDINATION OF INFORMATION DISSEMINATION IN THE BALTIC SEA REGION	83
SME-0248-1995-GB	DESIGN, PURCHASE AND USE A MOBILE TRAIN. WORKSHOP FOR TRAIN. SMES IN UK AND IE IN THE TECHN. AND OF ENERGY EFFICIENCY	84
DIS-0250-1995-GB	COORDINATION AND SUPPORT OF THE EUROPEAN COAL LIQUEFACTION ADVISORY GROUP	85
STR-0253-1995-GB	ENVIRONMENTAL ACCEPTABILITY OF RENEWABLE ENERGY TECHNOLOGY (PHASE 2&3)	86
DIS-0256-1995-GR	ASSESSMENT AND PROMOTION OF THE USE OF NEW TECHNOLOGIES ON EUROPEAN LIGNITES AND BROWN COAL.	87
STR-0259-1995-GR	PROMOTION AND COOPERATION IN THE FIELD OF THERMIE ACTIVITIES WITH THE BALKAN COUNTRIES	88
STR-0261-1995-GR	ENVIRONMENTAL IMPACTS IN THE COST BENEFIT ASSESSMENT OF MODERN ENERGY TECHNOLOGIES	89
STR-0262-1995-AT	PREPARATORY ACTIVITIES TO PROMOTE AND DISSEMINATE EU ENERGY TECHNOLOGIES IN THE CZECH REPUBLIC, HUNGARY, AND SLOVAKIA	90
SME-0263-1995-AT	INTEGRATION OF AUSTRIA IN THE EUROPEAN ENERGY TECHNOLOGY MARKET IN COLLABORATION WITH BAVARIA	91
DIS-0270-1995-IT	MEMBER STATE TECHNOLOGIES DEDICATED TO HELP THE ENERGY SELF SUFFICIENCY PROCESS OPTIMISING THE LOCAL RESOURCES	92
DIS-0276-1995-GB	WORKSHOP ON ELECTRICAL UTILITY INITIATIVES - TASK 2 PACKAGE OF ACTIONS TO PROMOTE ENERGY EFFICIENT LIGHTING IN BUILDINGS	93
DIS-0277-1995-GB	TRAINING PACKAGE FOR ELEC. INSTALLERS-TASK 3 OF PACKAGE OF ACTIONS TO PROMOTE ENERGY EFFICIENT LIGHTING IN BUILDING	94
DIS-0278-1995-GB	IAEEL LIGHTING NEWSLETTER AND ARTICLES IN PROFESSIONAL PRESS - TASK 4 OF PACKAGE OF ACTIONS TO PROMOTE ENERGY EFFICIENT	95
SUP-0281-1995-FR	SYMPOSIUM "DECENTRALISED RURAL ELECTRIFICATION FOR A SUSTAINABLE DEVELOPMENT"	96
STR-0284-1995-FR	MARKETING GROUP FOR THE FOUNDRY SECTOR	97
STR-0293-1995-FR	MARKETING GROUP ENVELOPE AND INTEGRATION	98
STR-0294-1995-FR	DEFINITION OF STRATEGIES FOR THE DISSEMINATION ENERGY EFFICIENT TECHNOLOGIES FOR BUILDING RETROFITTING IN URBAN AREAS	99
DIS-0297-1995-IT	IDENTIFICATION AND CENSUS OF GEOTHERMAL TECHNOLOGIES	100
DIS-0301-1995-GB	DEVELOP. OF STRUCTURE OF THE PERMANENT FORUM (EUFORES), SET-UP FOLLOWING MADRID CONFERENCE IN MARCH 1994	101
DIS-0302-1995-GB	SUPPORT FOR THE PRODUCTION OF THE EUFORES NEWSLETTER	102

DIS-0305-1995-GR	FORMULATION AND IMPLEMENTATION OF AN EFFECTIVE SOLAR THERMAL TECHNOLOGIES DISSIMINATION STRATEGY	103
DIS-0314-1995-FR	PUBLISHING A WOOD-FUEL NEWSLETTER IN ENGLISH/FRENCH/GERMAN	104
STR-0315-1995-FR	CREATING AND LEADING A MARKETING GROUP OF WOOD-FUEL BODIES	105
DIS-0320-1995-DE	EUROPEAN LECTURE SERIES ON CLEAN COAL TECHNOLOGIES.	106
STR-0321-1995-DE	ENVIRO. IMPACT OF ENERGY TECHNOLOGIES IN MEDITERRANEAN COUNTRIES: STRATEGY DEVELOPMENT FOR AUDITING & TRAINING	107
DIS-0323-1995-GR	TECHNICAL FAIR ON ENERGY TECHNOLOGIES 18,19,20 SEPTEMBRE 1996 IRAKLIO, CRETE	108
DIS-0332-1995-ES	DISTRIBUTION OF CLEAN COAL TECHNOLOGIES NEWSLETTERS NO. 5,6 ON SOLID FUELS RELATED INFORMATION	109
DIS-0344-1995-FR	PROMOTION OF EUROPEAN ENERGY TECHNOLOGIES IN JAPAN	110
DIS-0353-1995-FR	PROMOTION OF DG XVII'S PARTICIPATION IN WES - THE WORLD ENERGY SHOW TOKYO 8-12 OCTOBER 1995	111
DIS-0358-1995-GB	THERMIE-ALTENER RENEWABLE ENERGY JOURNAL	112
STR-0359-1995-GR	PRODUCTION OF THE SECTORIAL CATALOGUES OF THE THERMIE SECTORS	113
SUP-0367-1995-EU	DEVELOPMENT OF THE GUIDELINES, EFFECTIVENESS ASSESSMENTS AND COMMUNICATIONS FOR DISSEMINATION TOOLS	114
DIS-0382-1995-ES	ENERGY EFFICIENCY FOR HVAC IN THE BUILDING SECTOR OF MEDITERRANEAN COUNTRIES	115
SME-0383-1995-BE	PROVISION OF ENERGY RELATED TRAINING FOR SMES IN THE TEXTILE SECTOR	116
SUP-0385-1995-GB	THE DEVELOPMENT OF ENERGY MONITORING & TARGET SETTING IN LATIN AMERICA	117
SME-0386-1995-GB	EASTERHOUSE SOLAR ENERGY PROJECT - GLASGOW. SEMINARS & WORKHOPS TO PROMOTE THE RESULTS AND BENEFITS	118
SME-0388-1995-DE	ASSISTING SME PUBLIC TRANSPORT COMPANIES TO SAVE ENERGY IN THE OPERATION OF TRAMS AND TROLLEY-BUSES	119
SME-0389-1995-DE	FEASIBILITY AND MARKET STUDY INTO FUEL CELL APPLICATIONS FOR DECENTRALISED H&P GENERATION AND PEAK DEMAND MANAGEMENT	120
DIS-0391-1995-AT	TRAINING COURSE - SOLAR WATER HEATING IN LATVIA - BALTIC STATES	121
DIS-0393-1995-BE	BIOMASS GASIFICATION TARGETED PROJECTS NEWSLETTER	122
SME-0394-1995-ES	ACTIONS FOR STRONG INVOLVEMENT FOR SME IN THERMIE IN THE MEDITERRANEAN COUNTRIES : ASSIST MED.	123
SME-0396-1995-BE	ORGANIS. OF TRAINING COURSES F. SMES IN TEXTILE INDUSTRY F. OPTIMISATION OF ENERGY CONS.	124
STR-0397-1995-FR	EVALUATION OF THE EFFICIENCY FACE TO THE NOX. EMISSIONS FROM EUROPEAN GAS-FIRED HEAT-PROCESS EQUIPMENT	125
DIS-0400-1995-IT	SEMINARS FOR OIL & GAS INDUSTRY ON: MAINTENCE - INSPECTIONS	126
DIS-0403-1995-GR	ORGANIZATION OF A SEMINAR ON E.O.R. IN ALBANIA	127
DIS-0405-1995-FR	ENERGY MANAGEMENT AND PROMOTION OF WOOD FUEL IN POLAND	128
SUP-0409-1995-NO	DEVELOPMENT OF INDUSTRIAL ENERGY EFFICIENCY NETWORK IN AUSTRIA, GREECE, PORTUGAL AND SPAIN. ACCEPTED PROPOSAL WITH N 394	129
STR-0416-1995-SE	IMPLEMENTATION OF ENERGY EFFICIENCY AND RENEWABLE ENERGY TECHNOLOGIES IN EASTERN EUROPE AS A EUROPEAN ENVIRONM. STRATEGY	130
DIS-0426-1995-DE	INDO-EUROPEAN SEMINAR ON CLEAN COAL TECHNOLOGY AND THERMAL POWER PLANT UPGRADING	131
STR-0429-1995-DE	PV-DISSEMINATION STRATEGY GROUP	132
DIS-0435-1995-DE	DISSEMINATION ACTIVITIES FOR THERMIE SOLID FUEL PROJECT.	133
SUP-0443-1995-GB	BARRIERS TO ENERGY ACTION IN SMES IN THE UK, BE AND GR AND TO PROVIDE A METHODOLOGY FOR SOLVING THESE PROBLEMS IN THE EU	134
STR-0449-1995-NL	A GLOBAL VIEW TO THE OIL&GAS SUPPLY IND.: INTERACTION BETWEEN TECHN., ECON. AND POLICY	135
DIS-0450-1995-EU	PV INFORMATION SYSTEM FOR ARCHITECTS (PISA)	136

SUP-0451-1995-ES	DESIGN AND PILOT IMPLM. OF TRAINING PROJECT ON NEW & RENEW. ENERGY TECHN. FOR INSTALLERS AND NON-QUALIFIED WORKMEN	137
SME-0458-1995-GB	SELECTION OF TECHNOLOGIES AND INNOVATIONS REQUIRED FOR THE RESTORATION OF 5 HISTORIC WATERPOWER SITES IN THE UK (TASK 1)	138
DIS-0463-1995-NL	SEASONAL THERMAL STORAGE IN EUROPE	139
DIS-0471-1995-GB	A THERMIE STAND AT THE ENVIRONMENTAL EQUIPMENT & MANAGEMENT EXHIBITION, APRIL 1996, UNITED KINGDOM	140
STR-0483-1995-DE	POSSIBILITIES OF MUNICIPALITIES TO ACHIEVE ENVIRONMENTALS IN THE ENERGY SECTOR. TECH, INNOVATION, ENVIRO. LOAD REDUCTION	141
DIS-0486-1995-IT	MINI-HYDRO GENERATION IN URBAN AND SUBURBAN AREAS. ASSESSMENT STUDY OF POTENTIAL SITES AND CONDITIONS FOR IMPLEMENTATION	142
STR-0489-1995-GR	A STRATEGY FOR ENERGY AND ENVIRONMENT IN THE MEDITERRANEAN HOTEL SECTOR	143
SME-0492-1995-GR	TECHNOLOGY STIMULATION FOR SMES IN THE TEXTILE INDUSTRY THROUGH THE PRODUCTION OF A TARGETED PUBLICATION	144
SME-0493-1995-GR	TECHNOLOGY STIMULATION FOR SMES IN THE TEXTILE SECTOR THROUGH SPECIALISED TRAINING COURSES	145
STR-0497-1995-GB	LIFE-CYCLE ENVIRONMENT IMPACT ASSESSMENT OF THERMIE PROGRAMME (1990-1994)	146
DIS-0506-1995-GB	EUROPEAN CO-COMBUSTION OF COAL, BIOMASS AND WASTES	147
SME-0507-1995-GB	ANALYSIS OF EXPORT CONSTRAINTS AND OPPORTUNITIES FOR EUROPEAN SMALL SCALE HYDRO EQUIPMENT MANUFACTURERS	148
STR-0508-1995-GB	FUEL CELL DEMONSTRATION IN EUROPE-A PERSPECTIVE FROM POTENTIAL USERS	149
DIS-0512-1995-NL	NOX-ABATEMENT TECHNOLOGY FOR COMBINED HEAT AND POWER	150
DIS-0513-1995-NL	INTERNATIONAL SYMPOSIUM ON GAS EXPANSION	151
SME-0514-1995-NL	DISSEMINATION OF THE RESULTS OF SUCCESSFUL INDUSTRIAL EC DEMONSTRATION PROJECTS IN INDUSTRY, ESPECIALLY SME'S	152
STR-0516-1995-GB	TRANSPORT MARKETING GROUP	153
SUP-0517-1995-ES	CONCERTED NETW. OF THERMIE BUILD. TARGETED PROJ. ON ENERGY AND ENVIR. ASSESSM. METH. AND TARGETED PROJ. DISS. ACTIONS	154
STR-0519-1995-GB	ANALYSING RTD STRATEGY	155
SME-0525-1995-DE	PROG. FOR THE DISSEMIN. OF SOLAR THERMALLY SUPPORTED ENERGY SERVICE SYSTEMS FOR HEAT AND AIR-CONDITIONING IN BUILDING	156
SUP-0541-1995-PT	HORIZONTAL TASKS - EXHIBITION STANDS IN HORIZONTAL AND SECTORIAL FAIRS	157
SME-0544-1995-IE	ASSIST : ACTIONS TO STIMULATE STRONGER INVOLVEMENT OF SMES IN THERMIE	158
SME-0549-1995-GR	IMPLEMENTATION STUDY FOR THE USE OF NATURAL GAS AS AUTOMATIVE FUEL IN GREECE AND PORTUGAL	159
DIS-0550-1995-GR	SAFETY AND ENVIRONMENT PROTECTION IN OIL LAND PIPELINES AND SEA LINE (LOADING/UNLOADING) TERMINALS	160
STR-0557-1995-FR	INTEGRATED STUDY FOR THE PROMOTION OF ABSORPTION TECHNOLOGY FOR REFRIGERATION	161
SME-0577-1995-DE	EXHIBITION STAND AT THE OIL & GAS INDIA EXHIBITION - NEW DELHI, INDIA - 1-4 NOV 1995	162
SME-0580-1995-DE	ENTERPRISE TRAINING : DESIGN AND EXEC. OF A TRAINING PROGR. WITHIN THE EXPERIMENTATION AND TRAINING CENTRE IN TENERIFE	163
SME-0581-1995-GB	LOW-HEAD HYDRO-TASK A. DISSEMINATION OF HYDROSOFT: A SOFTWARE TOOL FOR THE RAPID EVALUATION OF LOW-HEAD HYDRO SITES	164
SME-0582-1995-GB	LOW-HEAD HYDRO-TASK B. INNOVATIVE TECHNOLOGIES FOR ENHANCING LOW-HEAD HYDROPOWER EXPLOITATION : WORKSHOP AND INNOVATION	165
SUP-0584-1995-FR	ENERGY CONTROL DYNAMIZATION IN THE SOCIAL MOVEMENT	166
DIS-0585-1995-FR	INTER-MODALITY IN URBAN TRANSPORT	167
STR-0587-1995-DK	EUROPEAN NETWORK FOR RATIONALISATION OF URBAN TRANSPORT AND ENERGY E.N. R.O.U.T.E.	168

STR-0588-1995-GB	ASSISTANCE WITH THE DEVELOPMENT OF A COHERENT FRAMEWORK TO ACCELERATE THE UPTAKE OF RES IN THE EU	169
STR-0599-1995-PT	STRATEGY FOR A POLICY OF DEVELOP., DEMONSTR. AND DISSEMINATION OF ENERGY EFFICIENT TECHNOLOGIES IN PORTUGAL AND SWEDEN	170
DIS-0600-1995-PT	STRATEGY TO OVERCOME ENVIRONMENTAL BURDEN OF SMALL HYDRO AND WIND ENERGIES	171
DIS-0601-1995-PT	STRATEGY FOR THE PROMOTION OF ENERGY EFFICIENT TECHNOL. MATCHING WITH ISLANDS AND ULTRA-PERIPHERICAL REGIONS SPECIFICITIES	172
STR-0603-1995-NO	COST EFFICIENCY IN A NEW ERA WITH NEW TECHNOLOGY (CENET)	173
SUP-0604-1995-BE	PROMOTION OF THE EU ENERGY CENTRE KATOWICE, REGIONAL CENTRE FOR SOLID FUELS CLEAN TECHNOLOGIES	174
DIS-0610-1995-IT	INSULATING MATERIALS IN THE BUILDING SECTOR : AN "INTELLIGENT" GUIDE	175
DIS-0612-1995-IT	NATURAL COOLING TECHNOLOGIES IN BUILDING (2 WORKSHOPS)	176
STR-0620-1995-GB	THERMIE SUPPORT TO THAI ENCON PROGRAMME BY TRAINING OF THE DEPARTMENT OF ENERGY DEVELOPMENT AND PROMOTION (DEDP)	177
STR-0621-1995-DE	RENEWABLE ENERGY : A BUSINESS FIELD FOR REGIONAL AND LOCAL ENERGY SERVICE COMPANIES	178
STR-0622-1995-FI	INTERACTIVE PROMOTION OF ENERGY TECHNOLOGIES BETWEEN FINLAND AND OTHER EU-COUNTRIES AND TO ESTONIA.	179
STR-0623-1995-FI	DISSEMINATION OF THERMIE AND COORDINATION OF OTHER EU ENERGY ACTIONS IN FINLAND AND IN THE EU MEMBER STATES.	180
SME-0635-1995-DE	TOOLS FOR THE DISSEMINATION AND REALISATION OF RUE IN SMES	181
STR-0636-1995-ES	URBAN TECHNOLOGIES EUROPEAN FORUM TASK 1 : IDENTIFICATION AND ANALYZE OF THE ART OF URBAN TECHNOLOGIES	182
STR-0637-1995-ES	URBAN TECHNOLOGIES EUROPEAN FORUM TASK 2 : ORGANISATION OF THE EUROPEAN FORUM ABOUT URBAN TECHNOLOGIES	183
STR-0640-1995-FR	NORTH SEA OIL & GAS PRODUCTION OUTLOOK	184
SME-0649-1995-PT	SEMINAR AND EXHIBITION IN OIL AND GAS TECHNOLOGY IN ROMANIA	185
DIS-0650-1995-PT	STRATEGY FOR HYDROCARBONS AND R.U. E. IN PHILIPPINES	186
DIS-0651-1995-PT	OIL AND GAS TECHNOLOGY AND ENVIRONMENT IMPACT DISSEMINATION OF ENERGY TECHNOLOGIES	187
DIS-0655-1995-PT	STRATEGY FOR RURAL ELECTRIFICATION IN PROTECTED AREAS IN THE STATE OF PARA (AMAZONIA, BRAZIL)	188
SME-0658-1995-FR	EC. ENERGY CENTRE TYUMEN	189
SME-0670-1995-GB	EXPLORATORY STUDY OF THE MARKET PLACE FOR ELECT. GEN. FROM BIOMASS IN N. IRELAND	190
DIS-0699-1995-AT	A STRATEGY FOR THE PROMOTION OF THIRD PARTY FINANCING AND THE CREATION OF ENERGY SERVICE COMPANIES IN SLOVAKIA	191
DIS-0700-1995-FR	STRATEGY FOR MARKET PENETRATION OF BIOCLIMATIC, WIND AND SOLAR TECHNOL. IN PALESTINE (JERICHO, GAZA STRIP AND WEST BANK)	192
DIS-0701-1995-ES	EUROPEAN/LATIN AMERICAN SEMINAR : "USE OF ENERGY FROM MUNICIPAL SOLID WASTE".	193
DIS-0702-1995-ES	PROSPECTS FOR THE USE OF RENEWABLE ENERGY SOURCES IN THE ANTIOQUIA REGION OF COLOMBIA (STAGE 1)	194
DIS-0704-1995-DK	DISSEMINATION OF EU RENEWABLE ENERGY TECHNOLOGIES IN CHINA	195
DIS-0705-1995-DK	DISSEMINATION OF EFFICIENT HEAT TECHNOLOGIES IN THE GREATER MOSCOW REGION	196
DIS-0706-1995-GR	PROMOTION OF ENERGY EFFICIENT TECHNOLOGIES IN THE URBAN ENVIRONMENT OF BLACK SEA CITIES	197
DIS-0707-1995-GB	CO-OP. WITH INTERNATIONAL ORGANISATIONS IN RE ENERGY DEVELOPMENT FOR RURAL ELECTRIFICATION IN SOUTHERN AFRICA	198
DIS-0708-1995-GB	RENEWABLE ENERGY INFORMATION NETWORK FOR SOUTHERN AFRICA (PHASES 1 & 2 - ACTION PLAN AND ESTABLISHMENT)	199
DIS-0709-1995-DE	MARKETING STRATEGIES TO OPEN THE ASIAN MARKET FOR EUROPEAN TECHNOLOGIES IN THE RES-FIELD INCLUDING PARTIC. IN INEX'96	200

DIS-0710-1995-DE	INTERACTIVE WORKSHOPS ON EUROPEAN ENERGY TECHNOLOGY TRANSFER FOR MUTUAL EUROPEAN/VIETNAMESE BENEFIT	201
DIS-0714-1995-LU	REALIZATION OF A EC EXHIBITION STAND AND WORKSHOP AT THE RISTEK '96 INTERNATIONAL TECHNOLOGY FAIR IN JAKARTA	202
DIS-0715-1995-GB	PROMOTION OF EFFICIENT AND CLEAN COAL BOILERS (150KW) IN CENTRAL AND EASTERN EUROPE.	203
DIS-0716-1995-PT	STUDY ON THE INTEGRATION OF THE GAS MARKET IN LATIN AMERICA AND THE CARIBBEAN.	204
DIS-0717-1995-PT	REDUCTION OF LATVIAN HOSPITALS ENERGY LOSSES	205
STR-0720-1995-FR	MARKET STRATEGIES FOR EUROPEAN SOLAR TECHNOLOGIES IN CHINA	206
STR-0723-1995-DK	STRATEGY FOR THE DEVELOPMENT OF ADVANCED PULVERIZED COAL-FIRED POWER PLANTS (700 °C)	207
SME-0725-1996-NL	HOLLAND OIL AND GAS'96, 12-14 NOVEMBER 1996, AMSTERDAM, THE NETHERLANDS	208
SME-0726-1996-NL	WORKSHOP ON "EUROPEAN ADVANCES IN DRILLING TECHNOLOGY", 6 MAY 1997, HOUSTON, USA	209
DIS-0730-1996-FR	DISSEMINATION PROGRAMME IN EUROPE FOR CHINESE ENGINEERS ON WASTE MANAGEMENT AND ENVIRONMENT PROTECTION DURING DRILLING	210
STR-0732-1996-ES	MARKET STUDY ON PV APPLICATIONS IN BUILDINGS IN THE SOUTH OF EUROPE	211
DIS-0733-1996-AT	DISSEMINATION OF PROMISING RENEWABLE RURAL ENERGY APPLICATIONS IN NORTH-EAST EUROPE	212
DIS-0735-1996-GB	RENEWABLE ENERGY TECHNOLOGIES EXPORT MARKETS SUMMARIES	213
DIS-0741-1996-GB	INFORMATION DISSEMINATION TO PALESTINIAN INDUSTRY OF EC MEMBER STATES' CLEAN & ENERGY EFFICIENT TECHNOLOGIES	214
STR-0752-1996-FR	IDENTIFICATION OF NON-TECHNOLOGICAL OBSTACLES TO THE DEVELOPMENT OF BIOCLIMATIC TECHNOLOGIES IN THE MEDITERRANEAN REGION	215
STR-0755-1996-IT	BUILDING ENERGY LABELLING AND ENERGY TECHNOLOGIES: A SOLUTION FOR MARKET TRANSPARENCY	216
STR-0758-1996-GB	FEASIBILITY OF A DEVELOPMENT CAPITAL FUND FOR BIOMASS	217
STR-0759-1996-GB	MARKET ASSESSMENT AND EXPORT STRATEGY FOR WIND ENERGY TECHNOLOGY IN INDIA	218
SME-0760-1996-ES	ACTION FOR STRONG INVOLVEMENT OF SMES IN THERMIE IN THE MEDITERRANEAN COUNTRIES : ASSIST MED	219
DIS-0761-1996-ES	RENEWABLE ENERGY YEARBOOK 96	220
STR-0775-1996-DE	TRANSFER OF EUROPEAN UPSTREAM OIL AND GAS TECHNOLOGIES TO CHINA	221
SME-0780-1996-PT	PROMOTION OF THE 96/97 JOULE-THERMIE CALL FOR PROPOSAL	222
STR-0782-1996-PT	A GLOBAL STRATEGY FOR ENERGY AND ENVIRONMENT FOR EXPO' 98	223
STR-0785-1996-GB	INFORMATION DISSEMINATION FOR EU ENERGY EFFICIENT TECHNOLOGIES IN AFRICA INDUSTRY	224
STR-0786-1996-PT	EVALUATION OF THERMIE DISSEMINATION ACTIONS WITHIN IBERIC PENINSULA COUNTRIES	225
DIS-0788-1996-GR	PROMOTION OF ENERGY EFFICIENT TECHNOL. IN THE HIGH TEMPERATURE INDUSTRIES IN THE CENTRAL AND EASTERN EUROPEAN COUNTRIES	226
DIS-0789-1996-GB	EUROPEAN CONFERENCE ON URBAN TRANSPORT, ENERGY AND INTERMODALITY	227
SME-0791-1996-DE	EUROPEAN UPSTREAM GAS TECHNOLOGY, VIENNA, AUSTRIA, JANUARY 1997	228
SME-0792-1996-BE	PRODUCTION OF MULTIMEDIA, INTERACTIVE, SME ORIENTED CD-ROM ON WIND ENERGY TECHNOLOGIES	229
DIS-0794-1996-DE	SUPPORT OF INTERNATIONAL CONFERENCE "LIGHT '96", LEIPZIG, GERMANY, 2-4 OCTOBER 1996	230
DIS-0796-1996-IT	TECHN. AND KNOW-HOW TRANSFER ON RATIONAL USE OF ENERGY IN PUBLIC BUILDINGS AND INFRASTRUCTURES	231
STR-0797-1996-NL	HIGH LEVEL ENERGY CONFERENCE IN SOUTHERN AFRICA	232
DIS-0799-1996-NL	DISSEMINATION OF LANDFILL GAS UTILISATION (FOLLOW-UP OF DIS/117/95)	233
SME-0800-1996-NL	ARABIAN GULF CONFERENCE ON EUROPEAN OIL AND GAS TECHNOLOGIES. 13-14 OCTOBER 1997, BAHRAIN	234

STR-0801-1996-GB	BANKABLE ENERGY EFFICIENCY PROJECTS FOR EBRD	235
STR-0804-1996-NL	PREPARATORY ACTION FOR DEMONSTRATION OF AN ENERGY IMPACT KNOWLEDGE BASED SYSTEM (EIKS)	236
STR-0805-1996-GB	SUPPORT TO THE DEVELOPMENT AND IMPLEMENTATION OF THE WORLD BANK SOLAR PV INITIATIVE (FORMERLY THE GREEN CARROT)	237
SUP-0811-1996-FR	DEVELOPMENT OF DECENTRALISED RURAL ELECTRIFICATION	238
DIS-0813-1996-BE	CLIMA 2000/BRUSSELS 1997	239
DIS-0815-1996-NL	PUBLICATION OF A NEWSLETTER FOR DISSEMINATION OF INFORMATION DIRECTLY TO ENGINEERS ABOUT ENERGY-CONSERVING DESIGN.	240
DIS-0817-1996-FR	THE COMBINED TRANSPORT IN EUROPE (VIDEO MOVIE)	241
DIS-0819-1996-PT	POTENTIALITIES FOR EU SOLAR TECHNOLOGIES IN CABO VERDE	242
DIS-0820-1996-PT	ELABORATION AND PRODUCTION OF AN ACTIVE DATA BASE OF FINANCIAL INSTRUMENTS FOR ENERGY TECHNOLOGIES IN THE EUROPEAN UNION	243
STR-0821-1996-FR	PROMOTION OF PV TECHNOLOGIES FOR WATER PUMPING IN PALESTINE	244
DIS-0823-1996-DK	IMPROVE FUNCTION/EFFICIENCY OF DISTRICT HEATING SUBSTATIONS BY TRAINING AND EDUCATING TECHNICIANS AND MAINTENANCE STAFF	245
DIS-0824-1996-FR	METHODS TO IMPROVE THE FLEETS MAINTENANCE POLICY (BROCHURE)	246
STR-0828-1996-IT	CONSCIOUSNESS-RAISING OF LOCAL AUTHORITIES ON RENEWABLE ENERGIES IN OBJECTIVE 1 REGIONS	247
DIS-0835-1996-FI	MANAGEMENT TRAINING AND TRAINING FOR DISTRICT HEATING SPECIALISTS IN MOSCOW	248
SUP-0838-1996-BE	ENVIRONMENTAL IMPACT OF NEW AND EXISTING COGEN. TECHNOLOGIES -A STUDY FOR THE EU AND SELECTED EAST EUROPE	249
DIS-0840-1996-IE	PROMOTION OF THE THERMIE PROGRAMME AT THREE MAJOR EXHIBITIONS IN IRELAND AND THE UNITED KINGDOM	250
DIS-0850-1996-ES	ENERGY EFFICIENCY TECHNOLOGIES IN THE OIL AND GAS INDUSTRY IN ARGENTINA	251
DIS-0858-1996-FR	SAGITTAIRE B	252
DIS-0862-1996-IT	EXPERIMENTATION AND MONITORING OF TPF PROCEDURES ON A LIMITED SAMPLE OF REAL CASES (HOSPITAL AND SMES)	253
DIS-0863-1996-IT	STUDY FOR THE ELABORATION OF TPF CONTRACTUAL MODELS AND THEIR DISSEMINATION STRATEGY	254
DIS-0864-1996-IT	THREE REGIONAL WORKSHOPS ON TPF : AN INNOVATIVE FINANCIAL TOOL FOR ENERGY SAVING PROJECTS IN THE HOSPITAL SECTOR	255
DIS-0865-1996-LU	LARGE SCALE DISSEMINATION OF EXPERIENCE ACQUIRED ON THE HYBRID-ELECTRIC BUS PROJECT OF LUXEMBOURG	256
DIS-0870-1996-ES	DISSEMINATION OF ENERGY EFFICIENT TECHNOLOGIES IN THE TEXTILE SECTOR : 6 WORKSHOPS	257
STR-0871-1996-GB	RENEWABLE ENERGY SOURCES FOR RURAL ELECTRIFICATION IN SOUTH AFRICA	258
SUP-0882-1996-FR	TRAINING COURSES IN OIL UPSTREAM TECHNOLOGIES	259
SME-0886-1996-DE	CIOGE'96. EXHIBITION STAND/ WORKSHOP, 18-21 NOVEMBER 1996, BEIJING, CHINA	260
DIS-0887-1996-DE	COLLECTION OF DATA ON FUEL CELL APPLICATIONS IN ENERGY SUPPLY AND WARRANTY OF OPTIONAL AVAILABILITY OF THESE DATA	261
STR-0892-1996-IE	ENERGY CONSERVATION IN TRANSNATIONAL INTERMODAL FREIGHT TRANSPORT	262
DIS-0898-1996-GR	MEDITERRANEAN ENERGY INFORMATION NETWORK	263
STR-0904-1996-AT	MARKET STUDY "BIOMASS TANK - AN INNOVATIVE DISTRIBUTION SYSTEM"	264
STR-0909-1996-ES	UNDERGROUND COAL GASIFICATION -DISSEMINATION OF RESULTS OF EXISTING PROJECT AND FORMULATION OF FUTURE PROGRAMME	265
SME-0910-1996-AT	THERMIE INFORMATION IN AUSTRIA AND BAVARIA (CONTINUATION OF THERMIE B PROJECT SME-0263-95-AT)	266
SME-0911-1996-DE	TRANSFER OF EUROPEAN UPSTREAM OIL AND GAS TECHNOLOGIES TO MERCOSUR	267
DIS-0912-1996-DE	TECHN. FOR DECOMMISS., REMOVAL OR REUTILISATION OF OFFSHORE PLATFORMS	268

DIS-0915-1996-DE	PROMOTION AND DISSEMINATION OF INNOVATIVE EU ENERGY TECHNOLOGIES TO THE CZECH REPUBLIC AND SLOVAKIA	269
SME-0924-1996-ES	ENERGY MANAGERS GROUP : TRAINING AND DISSEMINATION OF EFFICIENT ENERGY TECHNOLOGIES	270
DIS-0925-1996-ES	UNESCO SUMMER SCHOOL 'SOLAR ELECTRICITY FOR RURAL AND ISOLATED AREAS'	271
DIS-0926-1996-PT	PROMOTION OF ENERGY EFFICIENT TECHNOLOGIES MATCHING WITH ISLANDS AND ULTRA-PERIPHERAL REGIONS SPECIFITIES - PHASE II -	272
DIS-0931-1996-GR	INVESTMENT GUIDE FOR THE ENERGY SECTOR IN BALKAN COUNTRIES. PART II: BULGARIA	273
SME-0933-1996-NL	PREGO-2, THE 2ND INTERNATIONAL EXHIBITION & CONFERENCE FOR PETROCHEMICALS, REFINERIES GAS & OIL INDUSTRIES, NOV. 1997	274
STR-0938-1996-GR	PHOTOVOLTAICS MARKETS IN THE MEDITERRANEAN -ASSESSMENT OF POTENTIAL AND BARRIERS, ACTION PLAN FOR DEVELOPMENT	275
STR-0939-1996-GB	UNDERSTANDING THE RISKS OF FINANCING WIND FARMS	276
SUP-0940-1996-GR	DESALINATION WITH RENEWABLE ENERGIES IN THE MEDITERRANEAN.	277
SME-0941-1996-IT	ALGERIA - SEMINAR ON OIL AND GAS PIPELINE INTEGRITY	278
DIS-0944-1996-FR	ASSESSMENT OF TRANSPORT ENERGY SAVING THROUGH TELECOMMUTING	279
STR-0946-1996-IT	ENERGY EFFICIENCY IN ITALIAN HOSPITALS	280
DIS-0947-1996-GB	DISSEMINATION OF INFORMATION ON PHOTOVOLTAICS IN THE THERMIE PROGRAMME VIA YEARBOOKS AND SPECIALIST WORKSHOPS	281
DIS-0954-1996-DE	INTEGRATION OF EUROPEAN ENERGY SAVING TECHNOLOGIES IN HOSPITALS IN THE CZECH REPUBLIC AND SLOVAKIA BY DISSEMINATION	282
DIS-0958-1996-DE	DEVELOPMENT OF TRAINING PROGRAMMES FOR THE EDUCATION OF CRAFTSMEN AND PLANNERS IN TUNESIA	283
SME-0960-1996-GB	DAMPS (DOWNTIME ANALYSIS FOR MARGINAL FIELD PRODUCTION SYSTEMS) WORKSHOP, CORK, REPUBLIC OF IRELAND, JANUARY 97	284
SME-0965-1996-GB	CONFERENCE ON ENHANCED TECHNOLOGIES FOR MARGINAL FIELD PRODUCTION, LONDON, JUNE 1997	285
SME-0966-1996-GB	GEOSCIENCE TECHNOLOGIES SEMINAR, VIENNA, AUSTRIA, MARCH 1997	286
DIS-0967-1996-NL	DISSEMINATION CONFERENCE ON THE RESULTS OF NATURAL GAS VEHICLES FOR EUROPEAN CITIES	287
DIS-0972-1996-NL	MARKET INTRODUCTION SUPPORT OF PV-SYSTEMS FOR THE ELECTRIC PROPULSION OF BOATS	288
DIS-0974-1996-IE	A MULTIMEDIA INFORMATION AND TRAINING PACKAGE FOR THE PROMOTION OF RATIONAL USE OF ENERGY	289
DIS-0976-1996-IE	ENERGY EFFICIENCY SHORT COURSE SERIES ON THE WORLDWIDE WEB/INTERNET	290
SME-0979-1996-GB	SUPPLY CHAIN EUROPE	291
DIS-0981-1996-FR	RENEWABLE ENERGY IN AGRICULTURE AND FOR RURAL DEVELOPMENT FAIR "PLEIN CHAMPS" 13-15 SEPTEMBER 1996	292
DIS-0984-1996-IT	PACKAGE OF PROMOTIONAL AND DISSEMINATION ACTIVITIES RELATIVE TO THE BUILDING TARGETED PROJECT REMMA	293
DIS-0990-1996-ES	AUTOMOTIVE BATTERIES FOR SOLAR HOUSE SYSTEMS	294
STR-0994-1996-DE	INFLUENCE OF THE EUROPEAN ECO-MANAGEMENT AND AUDIT SCHEME ON THE ENERGY EFFICIENCY OF SMES	295
SUP-0995-1996-ES	UNIVERSAL STANDARD FOR SOLAR HOUSE SYSTEMS	296
STR-0996-1996-NL	THE NORM PROBLEM IN THE OIL AND GAS INDUSTRY: TOWARDS A EUROPEAN POLICY PERTAINING TO THE TREATMENT OF RADIOACTIVE WASTE	297
SUP-0997-1996-ES	COMPREHENSIVE GUIDANCE AND RESULT DISSEMINATION OF INTEGRATED TARGETED PROJECTS IN THE BUILDING SECTOR	298
STR-1000-1996-GR	ENVIRONMENTAL IMPACTS FROM THE USE OF RENEWABLE ENERGY TECHNOLOGIES	299
DIS-1001-1996-ES	SOLID FUELS TELE-VIDEO CONFERENCE	300
DIS-1002-1996-PT	OIL & GAS TECHNOLOGIES AND THEIR ENVIRONMENTAL IMPACT	301

DIS-1004-1996-FI	TO DISSEMINATE THE RESULTS OF LARGE INDUSTRIAL VENTILATION TECHNOLOGY PROGRAMMES TO END USERS AND OTHER DECISION MAKERS	302
DIS-1005-1996-GB	SMALL SCALE CHP APPLICATIONS FOR BUILDINGS IN CHINA	303
STR-1006-1996-FR	"ECO-CAMPUS" ENERGY ENVIRONMENT NETWORK OF EUROPEAN UNIVERSITIES AND RESEARCH CENTRES.	304
DIS-1007-1996-DE	EUROPEAN NETWORK ON HEAT PUMPING TECHNOLOGIES	305
DIS-1013-1996-ES	INTEGRATION OF SOLAR COMPONENTS IN BUILDINGS	306
STR-1014-1996-ES	CLEAN COAL UTILISATION FOR ELECTRIC POWER GENERATION IN LATIN AMERICA	307
DIS-1015-1996-FR	OIL AND GAS TYUMEN EXHIBITION 96. NOVEMBER 1996, TYUMEN, RUSSIA	308
SME-1020-1996-ES	STRAT. EVALUATION & MARKET APPRAISAL FOR INTEGRABLE MULTIPURPOSE AND PORTABLE DECENTRALIZED HEAT&POWER GENERATION UNITS	309
DIS-1021-1996-DE	INFORMATION PACKAGE:LOW-ENERGY HOUSING (LEH)-EXPERIENCES OF THERMIE AND OTHER PROGRAMMES CONCERNING LEH	310
STR-1029-1996-GB	THE POLITICAL ECONOMY OF NEW OIL AND GAS TECHNOLOGY IN THE COST REDUCTION ERA.	311
DIS-1030-1996-GR	PROMOTION OF THE USE OF NATURAL GAS IN THE INDUSTRIAL SECTORS OF GREECE & PORTUGAL UTILISING THE EXPERIENCE OF SPAIN	312
STR-1033-1996-ES	MARKET POTENTIAL AND FEASIBILITY STUDY ABOUT THE USE OF SUBMERGED COMBUSTION IN THE TANNING INDUSTRY	313
DIS-1035-1996-GB	BOOKLET ON SOLAR THERMAL ELECTRICITY	314
SME-1037-1996-ES	PROMOTION OF ENERGY EFFICIENCY IN THE INDUSTRIAL BAKERY SECTOR	315
DIS-1038-1996-IE	TO PROMOTE THE USE OF GEOTHERMAL ENERGY FROM PROVEN AQUIFERS AND MATCH THIS ENERGY TO EXISTING OR POTENTIAL HEAT USERS	316
SUP-1040-1996-BE	COORDINATION OFFICE OF TARGETED DEMONSTRATION OF ENERGY TECHNOLOGIES IN THE TEXTILE-CLOTHING SECTOR	317
DIS-1041-1996-IT	EE STREET LIGHTING: TOOL FOR RETROFIT ACTION PLANS PARTICULARLY TARGETED TO SMALL AND MEDIUM SIZE MUNICIPALITIES	318
DIS-1042-1996-ES	PREPARATION OF 5 SECTIONS OF THE "CLEAN COAL TECHNOLOGIES HANDBOOK"	319
DIS-1045-1996-DE	PHOENIX PV: DEVELOPMENT OF A READY-TO-IMPLEMENT PLAN FOR LARGE-SCALE DEPLOYMENT OF GRID-CONNECTED PV SYSTEMS	320
DIS-1049-1996-PT	PROMOTION OF BIOFUELS AND EU EFFICIENT BIOMASS TECHNOLOGIES FOR ELECTRICITY PRODUCTION IN BRASIL	321
STR-1051-1996-FR	ANALYSIS OF REGIONAL MARKETS FOR AIR CONDITIONING TECHNOLOGIES IN THE TERTIARY SECTOR	322
DIS-1054-1996-ES	MANAGEMENT OF WASTE & BY-PRODUCTS IN SPANISH CEMENT KILNS	323
DIS-1060-1996-GB	PROMOTION OF RENEWABLE ENERGY SOURCES IN SOUTH-EAST ASIA (PRESSEA)	324
STR-1062-1996-GB	ASSISTING THE EU RENEWABLE ENERGY INDUSTRY TO COMPETE IN THE WORLD MARKET	325
STR-1064-1996-PT	ELECTRICAL INTERCONNECTION OF LATIN AMERICA AND THE CARIBBEAN	326
STR-1072-1996-DE	CREATION OF AN ENERGY TECHN. DISSEMINATION NETWORK FOR THE BREWING SECTOR IN EUROPE	327
STR-1077-1996-ES	EVALUATION OF THE POTENTIAL OF TECHNOLOGIES FOR NATURAL GAS IN THE CHILEAN MARKET AND OF THE MOST APPROPRIATE STRATEGIES	328
STR-1078-1996-DE	MOBILISING EXISTING FINANCIAL STRUCTURES IN INDIA AS A MEANS OF STIMULATING THE MARKET IN PV TECHNOLOGIES	329
DIS-1082-1996-LU	STRATEGY FOR THE DISSEMINATION OF INFORMATION ON THE UTILIZATION OF BIOMASS IN THE SAARLORLUX REGION.	330
STR-1083-1996-ES	FINANCING MECHANISMS AND MARKET POTENTIAL FOR THE EXPLOITATION OF RES	331
DIS-1085-1996-GB	IOCE, 29-31 OCTOBER 96, ABERDEEN, UK --- OMC, 19-21 MARCH 97, RAVENNA, ITALY	332
DIS-1086-1996-GB	OSEA'96, 24-27 SEPTEMBER 1996, SINGAPORE - RIO OIL & GAS EXPO 96, 13-17 OCTOBER 1996. RIO DE JANEIRO	333
DIS-1087-1996-GB	OFFSHORE TECHNOLOGY CONFERENCE, 6-9 MAY 1996. HOUSTON - USA.	334

DIS-1089-1996-GB	CONFERENCE ON NEW EUROPEAN TECHNOLOGIES FOR POLLUTION CONTROL AND ENVIRONMENTAL MONITORING, HAMBURG, OCTOBER 1997	335
STR-1097-1996-FR	ELECTRICITY PRODUCTION FROM DRINKING WATER SUPPLY SYSTEMS IN MOUNTAIN AREAS	336
STR-1100-1996-GB	CRITICAL SUCCESS FACTORS FOR NOVEL FINANCIAL MECHANISMS FOR RENEWABLE ENERGY PROJECTS IN PRIORITY AREAS OUTSIDE THE EU	337
STR-1101-1996-DE	TOWARDS AN EUROPEAN LOW ENERGY STANDARD IN EXISTING BUILDINGS	338
DIS-1107-1996-BE	RUBENS, RATIONAL USE BUILDING ENERGY NEW SYSTEMS EUROPEAN CONSULTING ENGINEERING NETWORK, EUROPEAN ECONOMIC INTEREST	339
SME-1108-1996-DE	INCREASING CHANCES OF SMES FOR SUCCESSFUL SUBMISSION OF THERMIE PROPOSALS	340
STR-1109-1996-FR	FORMATION DES ELUS À LA PROBLEMATIQUE ENERGETIQUE DANS UNE APPROCHE DE DEVELOPPEMENT DURABLE	341
STR-1111-1996-FR	INTEGRATION OF ENERGY EFFICIENT EQUIPMENT IN TENDER DOCUMENTS OF PUBLIC SECTOR	342
DIS-1118-1996-GR	EUROPEAN NATURAL GAS TECHNOLOGY WORKSHOPS AND EXHIBITION STAND AT AERION'97	346
STR-1121-1996-GB	EUROPEAN ACTION PLAN FOR THE IMPLEMENTATION OF THE CARNOT PROGRAMME	344
DIS-1122-1996-GB	SAFETY MANAGEMENT TRAINING FOR EAST EUROPEAN OIL AND GAS MANAGERS	345
STR-1123-1996-GB	DETAILED MODELING OF THE PRIORITY OF INDUSTRIAL ENERGY EFFICIENCY TECHNOLOGIES FOR EUROPE	346
DIS-1124-1996-GB	IDENTIFICATION AND PREPARATION OF BANKABLE RUE/RES PROJECTS FOR THE EUROPEAN INVESTMENT BANK	347
STR-1125-1996-GB	A STUDY OF MARKET CONSTRAINTS ON THE DEVELOPMENT OF POWER FROM BIOMASS	348
DIS-1126-1996-GB	DISSEMINATION OF TARGETED PROJECT EC 2000 TO THE NON DOMESTIC SECTOR. ACTION 3: TECHNICAL DOSSIERS	349
SME-1127-1996-GB	STRATEGY AND EXCHANGE OF EXPERIENCE FOR THE DEVELOPMENT OF INDUSTRIAL INFRASTRUCTURE FOR WIND ENERGY IN ARGENTINA	350
DIS-1128-1996-GB	DEVELOPMENT OF A JOINT EXPERT'S NETWORK OF EU/IFI FOR THE EXCHANGE OF INFORMATION	351
DIS-1134-1996-IE	ARCHITECTURAL PRACTICE AND THE RATIONAL USE OF ENERGY	352
DIS-1135-1996-GR	NEW AND IMPROVED TECHN. FOR THE CONSTR., REHABILITATION AND MAINT. OF URBAN GAS DISTRIBUTION NETWORKS	353
STR-1137-1996-ES	PROMOTION OF TECHNOLOGIES FOR THE RATIONAL USE OF ENERGY IN THE HEAVY CLAY SECTOR OF UKRAINE	354
SUP-1141-1996-IT	HMC PROJECT	355
STR-1149-1996-GB	THE ROLE OF M&T AND TPF IN FURTHERING EU AND WORLD BANK ENERGY TECHNOLOGY INVESTMENTS IN SLOVAKIA	356
DIS-1150-1996-IT	TIA TEACHING IN ARCHITECTURE - INTERNATIONAL CONFERENCE FOR TEACHERS IN ARCHITECTURE	357

Index of contracts by sectors

Rational Use of Energy (RUE)

Buildings (BU)

DIS-0069-1995-FR	SOCIAL HOUSING AND ENERGY TECHNOLOGIES : A SOLUTION FOR SOCIAL COHESION	17
DIS-0070-1995-FR	TRAINING OF ENERGY MANAGERS IN THE SERVICES OF LOCAL AUTHORITIES	18
DIS-0072-1995-FR	DEVELOPMENT STUDY OF THE SMALL COGENERATION IN FRANCE ACCORDING TO THE ACQUIRED EXPERIENCE IN UK, DK, DE, IT, ES	19
DIS-0183-1995-PT	PROMOTION OF USE OF COOLING STORAGE SYSTEMS	63
DIS-0189-1995-IE	PROMOTION OF ENERGY TECHNOLOGIES IN THE BUILDING SECTOR, BASED ON SUCCESSFUL THERMIE PROJECTS	65
DIS-0277-1995-GB	TRAINING PACKAGE FOR ELEC. INSTALLERS-TASK 3 OF PACKAGE OF ACTIONS TO PROMOTE ENERGY EFFICIENT LIGHTING IN BUILDING	94
DIS-0278-1995-GB	IAEEL LIGHTING NEWSLETTER AND ARTICLES IN PROFESSIONAL PRESS - TASK 4 OF PACKAGE OF ACTIONS TO PROMOTE ENERGY EFFICIENT	95
DIS-0382-1995-ES	ENERGY EFFICIENCY FOR HVAC IN THE BUILDING SECTOR OF MEDITERRANEAN COUNTRIES	115
DIS-0610-1995-IT	INSULATING MATERIALS IN THE BUILDING SECTOR : AN "INTELLIGENT" GUIDE	175
DIS-0612-1995-IT	NATURAL COOLING TECHNOLOGIES IN BUILDING (2 WORKSHOPS)	176
DIS-0705-1995-DK	DISSEMINATION OF EFFICIENT HEAT TECHNOLOGIES IN THE GREATER MOSCOW REGION	196
DIS-0717-1995-PT	REDUCTION OF LATVIAN HOSPITALS ENERGY LOSSES	205
DIS-0794-1996-DE	SUPPORT OF INTERNATIONAL CONFERENCE "LIGHT '96", LEIPZIG, GERMANY, 2-4 OCTOBER 1996	230
DIS-0796-1996-IT	TECHN. AND KNOW-HOW TRANSFER ON RATIONAL USE OF ENERGY IN PUBLIC BUILDINGS AND INFRASTRUCTURES	231
DIS-0813-1996-BE	CLIMA 2000/BRUSSELS 1997	239
DIS-0815-1996-NL	PUBLICATION OF A NEWSLETTER FOR DISSEMINATION OF INFORMATION DIRECTLY TO ENGINEERS ABOUT ENERGY-CONSERVING DESIGN.	240
DIS-0823-1996-DK	IMPROVE FUNCTION/EFFICIENCY OF DISTRICT HEATING SUBSTATIONS BY TRAINING AND EDUCATING TECHNICIANS AND MAINTENANCE STAFF	245
DIS-0862-1996-IT	EXPERIMENTATION AND MONITORING OF TPF PROCEDURES ON A LIMITED SAMPLE OF REAL CASES (HOSPITAL AND SMES)	253
DIS-0863-1996-IT	STUDY FOR THE ELABORATION OF TPF CONTRACTUAL MODELS AND THEIR DISSEMINATION STRATEGY	254
DIS-0864-1996-IT	THREE REGIONAL WORKSHOPS ON TPF : AN INNOVATIVE FINANCIAL TOOL FOR ENERGY SAVING PROJECTS IN THE HOSPITAL SECTOR	255
DIS-0954-1996-DE	INTEGRATION OF EUROPEAN ENERGY SAVING TECHNOLOGIES IN HOSPITALS IN THE CZECH REPUBLIC AND SLOVAKIA BY DISSEMINATION	282
DIS-0976-1996-IE	ENERGY EFFICIENCY SHORT COURSE SERIES ON THE WORLDWIDE WEB/INTERNET	290

DIS-0984-1996-IT	PACKAGE OF PROMOTIONAL AND DISSEMINATION ACTIVITIES RELATIVE TO THE BUILDING TARGETED PROJECT REMMA	293
DIS-1004-1996-FI	TO DISSEMINATE THE RESULTS OF LARGE INDUSTRIAL VENTILATION TECHNOLOGY PROGRAMMES TO END USERS AND OTHER DECISION MAKERS	302
DIS-1005-1996-GB	SMALL SCALE CHP APPLICATIONS FOR BUILDINGS IN CHINA	303
DIS-1021-1996-DE	INFORMATION PACKAGE:LOW-ENERGY HOUSING (LEH)-EXPERIENCES OF THERMIE AND OTHER PROGRAMMES CONCERNING LEH	310
DIS-1041-1996-IT	EE STREET LIGHTING: TOOL FOR RETROFIT ACTION PLANS PARTICULARLY TARGETED TO SMALL AND MEDIUM SIZE MUNICIPALITIES	318
DIS-1107-1996-BE	RUBENS, RATIONAL USE BUILDING ENERGY NEW SYSTEMS EUROPEAN CONSULTING ENGINEERING NETWORK, EUROPEAN ECONOMIC INTEREST	339
DIS-1126-1996-GB	DISSEMINATION OF TARGETED PROJECT EC 2000 TO THE NON DOMESTIC SECTOR. ACTION 3: TECHNICAL DOSSIERS	349
DIS-1134-1996-IE	ARCHITECTURAL PRACTICE AND THE RATIONAL USE OF ENERGY	352
SME-0112-1995-NL	FLO-ICE AND BINARY ICE TECHNOLOGY AS WORKING FLUIDS	33
SME-0635-1995-DE	TOOLS FOR THE DISSEMINATION AND REALISATION OF RUE IN SMES	181
STR-0293-1995-FR	MARKETING GROUP ENVELOPE AND INTEGRATION	98
STR-0294-1995-FR	DEFINITION OF STRATEGIES FOR THE DISSEMINATION ENERGY EFFICIENT TECHNOLOGIES FOR BUILDING RETROFITTING IN URBAN AREAS	99
STR-0755-1996-IT	BUILDING ENERGY LABELLING AND ENERGY TECHNOLOGIES: A SOLUTION FOR MARKET TRANSPARENCY	216
STR-0801-1996-GB	BANKABLE ENERGY EFFICIENCY PROJECTS FOR EBRD	235
STR-0804-1996-NL	PREPARATORY ACTION FOR DEMONSTRATION OF AN ENERGY IMPACT KNOWLEDGE BASED SYSTEM (EIKS)	236
STR-0946-1996-IT	ENERGY EFFICIENCY IN ITALIAN HOSPITALS	280
STR-1051-1996-FR	ANALYSIS OF REGIONAL MARKETS FOR AIR CONDITIONING TECHNOLOGIES IN THE TERTIARY SECTOR	322
STR-1101-1996-DE	TOWARDS AN EUROPEAN LOW ENERGY STANDARD IN EXISTING BUILDINGS	338
STR-1111-1996-FR	INTEGRATION OF ENERGY EFFICIENT EQUIPMENT IN TENDER DOCUMENTS OF PUBLIC SECTOR	342
SUP-0517-1995-ES	CONCERTED NETW. OF THERMIE BUILD. TARGETED PROJ. ON ENERGY AND ENVIR. ASSESSM. METH. AND TARGETED PROJ. DISS. ACTIONS	154
SUP-0584-1995-FR	ENERGY CONTROL DYNAMIZATION IN THE SOCIAL MOVEMENT	166
SUP-0997-1996-ES	COMPREHENSIVE GUIDANCE AND RESULT DISSEMINATION OF INTEGRATED TARGETED PROJECTS IN THE BUILDING SECTOR	298

Energy Industry and Fuel Cells (EI)

DIS-0120-1995-BE	MARKET INTRODUCTION IN FLANDERS OF STORAGE OF WINTERCOLD FROM AMBIENT AIR IN AQUIFERS	37
DIS-0714-1995-LU	REALIZATION OF A EC EXHIBITION STAND AND WORKSHOP AT THE RISTEK '96 INTERNATIONAL TECHNOLOGY FAIR IN JAKARTA	202
DIS-0788-1996-GR	PROMOTION OF ENERGY EFFICIENT TECHNOL. IN THE HIGH TEMPERATURE INDUSTRIES IN THE CENTRAL AND EASTERN EUROPEAN COUNTRIES	226

DIS-0887-1996-DE	COLLECTION OF DATA ON FUEL CELL APPLICATIONS IN ENERGY SUPPLY AND WARRANTY OF OPTIONAL AVAILABILITY OF THESE DATA	261
SME-0389-1995-DE	FEASIBILITY AND MARKET STUDY INTO FUEL CELL APPLICATIONS FOR DECENTRALISED H&P GENERATION AND PEAK DEMAND MANAGEMENT	120
SME-1020-1996-ES	STRAT. EVALUATION & MARKET APPRAISAL FOR INTEGRABLE MULTIPURPOSE AND PORTABLE DECENTRALIZED HEAT&POWER GENERATION UNITS	309
STR-0193-1995-DK	STRAT. FOR EXTENDED USE OF DHC IN EUROPE, INCL. THE CONTINUATION OF MARKETING GROUP	66
STR-0508-1995-GB	FUEL CELL DEMONSTRATION IN EUROPE-A PERSPECTIVE FROM POTENTIAL USERS	149
STR-1064-1996-PT	ELECTRICAL INTERCONNECTION OF LATIN AMERICA AND THE CARIBBEAN	326

General (GEN)

DIS-0030-1995-DE	PRESENTATION OF THE EUROPEAN COMMISSION AT PROMOTIONAL EVENTS - JOULE/THERMIE- INFO-STAND	9
DIS-0216-1995-DE	PROGR. TO PROMOTE INNOVATIVE HVAC AND LIGHTING TECHNOLOGIES IN LARGE RETAIL BUILDINGS USING INNOVATIVE FINANCING METHODS	74
DIS-0323-1995-GR	TECHNICAL FAIR ON ENERGY TECHNOLOGIES 18,19,20 SEPTEMBRE 1996 IRAKLIO, CRETE	108
DIS-0344-1995-FR	PROMOTION OF EUROPEAN ENERGY TECHNOLOGIES IN JAPAN	110
DIS-0463-1995-NL	SEASONAL THERMAL STORAGE IN EUROPE	139
DIS-0513-1995-NL	INTERNATIONAL SYMPOSIUM ON GAS EXPANSION	151
DIS-0601-1995-PT	STRATEGY FOR THE PROMOTION OF ENERGY EFFICIENT TECHNOL. MATCHING WITH ISLANDS AND ULTRA-PERIPHERAL REGIONS SPECIFICITIES	172
SME-0174-1995-FR	EUROMANAGEMENT	60
SME-0248-1995-GB	DESIGN, PURCHASE AND USE A MOBILE TRAIN. WORKSHOP FOR TRAIN. SMES IN UK AND IE IN THE TECHN. AND OF ENERGY EFFICIENCY	84
SME-0394-1995-ES	ACTIONS FOR STRONG INVOLVEMENT FOR SME IN THERMIE IN THE MEDITERRANEAN COUNTRIES : ASSIST MED.	123
SME-0544-1995-IE	ASSIST : ACTIONS TO STIMULATE STRONGER INVOLVEMENT OF SMES IN THERMIE	158
SME-0549-1995-GR	IMPLEMENTATION STUDY FOR THE USE OF NATURAL GAS AS AUTOMATIVE FUEL IN GREECE AND PORTUGAL	159
STR-0042-1995-DE	COMPARATIVE ANALYSIS OF ENERGY RTD PROGRAMMES AND MARKET OBSERVATION SYSTEMS IN THE 109US, JAPAN AND EUROPE	13
STR-0238-1995-PT	A GLOBAL ENERGY STRATEGY FOR ENERGY AND ENVIRONMENT FOR EXPO'98 EVALUATION OF THE ENERGY PERFORMANCE OF EXPO98 BUILDING	82
STR-0483-1995-DE	POSSIBILITIES OF MUNICIPALITIES TO ACHIEVE ENVIRONMENTALS IN THE ENERGY SECTOR. TECH, INNOVATION, ENVIRO. LOAD REDUCTION	141
STR-0489-1995-GR	A STRATEGY FOR ENERGY AND ENVIRONMENT IN THE MEDITERRANEAN HOTEL SECTOR	143
STR-0622-1995-FI	INTERACTIVE PROMOTION OF ENERGY TECHNOLOGIES BETWEEN FINLAND AND OTHER EU-COUNTRIES AND TO ESTONIA.	179
STR-0636-1995-ES	URBAN TECHNOLOGIES EUROPEAN FORUM TASK 1 : IDENTIFICATION AND ANALYZE OF THE ART OF URBAN TECHNOLOGIES	182

STR-0637-1995-ES	URBAN TECHNOLOGIES EUROPEAN FORUM TASK 2 : ORGANISATION OF THE EUROPEAN FORUM ABOUT URBAN TECHNOLOGIES	183
SUP-0541-1995-PT	HORIZONTAL TASKS - EXHIBITION STANDS IN HORIZONTAL AND SECTORIAL FAIRS	157
 Industry (IN) 		
DIS-0059-1995-DE	TECHNICAL EVALUATION AND REGIONAL WORKSHOPS ON RUE IN THE WOOD WORKING AND WOOD PROCESSING INDUSTRY	16
DIS-0109-1995-GB	EXHIBITION STAND AT PAPEX 95	31
DIS-0110-1995-GB	WORKSHOP ON "THIRD PARTY FINANCING AND COGENERATION IN THE PAPER INDUSTRY" DURING "PAPER WEEK"	32
DIS-0150-1995-GB	IDENTIFICATION AND PREPARATION OF "BANKABLE" ENERGY EFFICIENCY PROJECTS FOR EBRD AND THE EU	50
DIS-0164-1995-GB	PRODUCTION OF THE THERMIE COGENERATION NEWSLETTER	56
DIS-0201-1995-IT	MARKETING GROUP ACTIVITY BRICK AND TILE SECTOR	70
DIS-0223-1995-ES	MARKET STUDY OF ABSORPTION COOLING AND CHILLING TECHNOLOGIES FOR THE INDUSTRIAL SECTOR	78
DIS-0512-1995-NL	NOX-ABATEMENT TECHNOLOGY FOR COMBINED HEAT AND POWER	150
DIS-0741-1996-GB	INFORMATION DISSEMINATION TO PALESTINIAN INDUSTRY OF EC MEMBER STATES' CLEAN & ENERGY EFFICIENT TECHNOLOGIES	214
DIS-0835-1996-FI	MANAGEMENT TRAINING AND TRAINING FOR DISTRICT HEATING SPECIALISTS IN MOSCOW	248
DIS-0870-1996-ES	DISSEMINATION OF ENERGY EFFICIENT TECHNOLOGIES IN THE TEXTILE SECTOR : 6 WORKSHOPS	257
DIS-1007-1996-DE	EUROPEAN NETWORK ON HEAT PUMPING TECHNOLOGIES	305
DIS-1030-1996-GR	PROMOTION OF THE USE OF NATURAL GAS IN THE INDUSTRIAL SECTORS OF GREECE & PORTUGAL UTILISING THE EXPERIENCE OF SPAIN	312
DIS-1054-1996-ES	MANAGEMENT OF WASTE & BY-PRODUCTS IN SPANISH CEMENT KILNS	323
SME-0383-1995-GB	PROVISION OF ENERGY RELATED TRAINING FOR SMES IN THE TEXTILE SECTOR	116
SME-0396-1995-BE	ORGANIS. OF TRAINING COURSES F. SMES IN TEXTILE INDUSTRY F. OPTIMISATION OF ENERGY CONS.	124
SME-0492-1995-GR	TECHNOLOGY STIMULATION FOR SMES IN THE TEXTILE INDUSTRY THROUGH THE PRODUCTION OF A TARGETED PUBLICATION	144
SME-0493-1995-GR	TECHNOLOGY STIMULATION FOR SMES IN THE TEXTILE SECTOR THROUGH SPECIALISED TRAINING COURSES	145
SME-0514-1995-NL	DISSEMINATION OF THE RESULTS OF SUCCESSFUL INDUSTRIAL EC DEMONSTRATION PROJECTS IN INDUSTRY, ESPECIALLY SME'S	152
SME-0979-1996-GB	SUPPLY CHAIN EUROPE	291
SME-1037-1996-ES	PROMOTION OF ENERGY EFFICIENCY IN THE INDUSTRIAL BAKERY SECTOR	315
STR-0284-1995-FR	MARKETING GROUP FOR THE FOUNDRY SECTOR	97
STR-0397-1995-FR	EVALUATION OF THE EFFICIENCY FACE TO THE NOX. EMISSIONS FROM EUROPEAN GAS-FIRED HEAT-PROCESS EQUIPMENT	125

STR-0557-1995-FR	INTEGRATED STUDY FOR THE PROMOTION OF ABSORPTION TECHNOLOGY FOR REFRIGERATION	161
STR-0785-1996-GB	INFORMATION DISSEMINATION FOR EU ENERGY EFFICIENT TECHNOLOGIES IN AFRICA INDUSTRY	224
STR-1033-1996-ES	MARKET POTENTIAL AND FEASIBILITY STUDY ABOUT THE USE OF SUBMERGED COMBUSTION IN THE TANNING INDUSTRY	313
STR-1072-1996-DE	CREATION OF AN ENERGY TECHN. DISSEMINATION NETWORK FOR THE BREWING SECTOR IN EUROPE	327
STR-1123-1996-GB	DETAILED MODELING OF THE PRIORITY OF INDUSTRIAL ENERGY EFFICIENCY TECHNOLOGIES FOR EUROPE	346
STR-1137-1996-ES	PROMOTION OF TECHNOLOGIES FOR THE RATIONAL USE OF ENERGY IN THE HEAVY CLAY SECTOR OF UKRAINE	354
STR-1149-1996-GB	THE ROLE OF M&T AND TPF IN FURTHERING EU AND WORLD BANK ENERGY TECHNOLOGY INVESTMENTS IN SLOVAKIA	356
SUP-0385-1995-GB	THE DEVELOPMENT OF ENERGY MONITORING & TARGET SETTING IN LATIN AMERICA	117
SUP-0409-1995-NO	DEVELOPMENT OF INDUSTRIAL ENERGY EFFICIENCY NETWORK IN AUSTRIA, GREECE, PORTUGAL AND SPAIN. ACCEPTED PROPOSAL WITH N 394	129
SUP-1040-1996-BE	COORDINATION OFFICE OF TARGETED DEMONSTRATION OF ENERGY TECHNOLOGIES IN THE TEXTILE-CLOTHING SECTOR	317

Solid Fuels (SF)

DIS-0221-1995-DE	WORKSHOP - OPTIMUM COMBUSTION CONTROL IN COAL-FIRED THERMAL POWER PLANTS	77
------------------	--	----

Transport (TR)

DIS-0041-1995-DE	MARKET ANALYSIS, STRATEGY DEVELOPM. AND DISSEM. EFFORTS FOR SUPPORTING MARKET BREAKTHROUGH OF CNG IN SMALL VEHICLES	12
DIS-0051-1995-FR	PROM. OF EU EXPERIENCES ON MEASURES TO REINFORCE URB. PUBL. TRANSP. ATTRACTIV. IN MED. SIZED TOWNS OF NEW MEMBERS STATES	14
DIS-0091-1995-ES	PLAN TO PROMOTE THE USE OF NATURAL GAS IN PUBLIC TRANSPORT	27
DIS-0092-1995-ES	FUNCTIONAL INTEGRATION OF TRANSPORT MODES THROUGH MODAL INTERCHANGE POINTS	28
DIS-0115-1995-FR	ANALYSIS OF MARKET SEGMENTS AND OF THE MARKET PENETRATION POTENTIAL OF INTEGRATED URBAN TRANSPORT SYSTEMS	34
DIS-0154-1995-FR	ALTERNATIVE URBAN FREIGHT STRATEGIES	53
DIS-0585-1995-FR	INTER-MODALITY IN URBAN TRANSPORT	167
DIS-0789-1996-GB	EUROPEAN CONFERENCE ON URBAN TRANSPORT, ENERGY AND INTERMODALITY	227
DIS-0817-1996-FR	THE COMBINED TRANSPORT IN EUROPE (VIDEO MOVIE)	241
DIS-0824-1996-FR	METHODS TO IMPROVE THE FLEETS MAINTENANCE POLICY (BROCHURE)	246
DIS-0858-1996-FR	SAGITTAIRE B	252
DIS-0865-1996-LU	LARGE SCALE DISSEMINATION OF EXPERIENCE ACQUIRED ON THE HYBRID-ELECTRIC BUS PROJECT OF LUXEMBOURG	256

DIS-0944-1996-FR	ASSESSMENT OF TRANSPORT ENERGY SAVING THROUGH TELECOMMUTING	279
DIS-0967-1996-NL	DISSEMINATION CONFERENCE ON THE RESULTS OF NATURAL GAS VEHICLES FOR EUROPEAN CITIES	287
SME-0388-1995-DE	ASSISTING SME PUBLIC TRANSPORT COMPANIES TO SAVE ENERGY IN THE OPERATION OF TRAMS AND TROLLEY-BUSES	119
STR-0087-1995-DE	IMPACT OF ENERGY EFFICIENT TECHNOLOGIES FOR URBAN TRANSPORT AND URBAN TRANSPORT MANAGEMENT SYSTEMS	25
STR-0516-1995-GB	TRANSPORT MARKETING GROUP	153
STR-0587-1995-DK	EUROPEAN NETWORK FOR RATIONALISATION OF URBAN TRANSPORT AND ENERGY E.N. R.O.U.T.E.	168
STR-0892-1996-IE	ENERGY CONSERVATION IN TRANSNATIONAL INTERMODAL FREIGHT TRANSPORT	262
SUP-0198-1995-GB	DISSEMINATION OF THE RESULTS OF THE TRANSPORT TARGETED PROJECTS	69

Renewable Energy Sources (RES)

Biomass (BM)

DIS-0031-1995-DE	ANALYSIS OF MARKET POTENTIAL AND PRODUCTION OF COUNTRY RELATED HANDBOOKS SIMPLIFYING THE ERECTION OF BIOMASS COMBUSTION	10
DIS-0103-1995-LU	STRATEGY FOR THE DISSEMINATION OF INFORMATION OF THE UTILIZATION OF BIOMASS	30
DIS-0117-1995-NL	DISSEMINATION OF LANDFILL GAS UTILISATION	36
DIS-0314-1995-FR	PUBLISHING A WOOD-FUEL NEWSLETTER IN ENGLISH/FRENCH/GERMAN	104
DIS-0393-1995-BE	BIOMASS GASIFICATION TARGETED PROJECTS NEWSLETTER	122
DIS-0701-1995-ES	EUROPEAN/LATIN AMERICAN SEMINAR : "USE OF ENERGY FROM MUNICIPAL SOLID WASTE".	193
DIS-0799-1996-NL	DISSEMINATION OF LANDFILL GAS UTILISATION (FOLLOW-UP OF DIS/117/95)	233
DIS-1049-1996-PT	PROMOTION OF BIOFUELS AND EU EFFICIENT BIOMASS TECHNOLOGIES FOR ELECTRICITY PRODUCTION IN BRASIL	321
DIS-1082-1996-LU	STRATEGY FOR THE DISSEMINATION OF INFORMATION ON THE UTILIZATION OF BIOMASS IN THE SAARLORLUX REGION.	330
SME-0003-1995-BE	PRODUCTION OF A SME- AND SMO- ORIENTED CD-ROM ON ENERGY FROM BIOMASS AND WASTE	1
SME-0670-1995-GB	EXPLORATORY STUDY OF THE MARKET PLACE FOR ELECT. GEN. FROM BIOMASS IN N. IRELAND	190
STR-0315-1995-FR	CREATING AND LEADING A MARKETING GROUP OF WOOD-FUEL BODIES	105
STR-0758-1996-GB	FEASIBILITY OF A DEVELOPMENT CAPITAL FUND FOR BIOMASS	217
STR-0904-1996-AT	MARKET STUDY "BIOMASS TANK - AN INNOVATIVE DISTRIBUTION SYSTEM"	264
STR-1125-1996-GB	A STUDY OF MARKET CONSTRAINTS ON THE DEVELOPMENT OF POWER FROM BIOMASS	348
SUP-1141-1996-IT	HMC PROJECT	355

Geothermal Energy (GE)

DIS-0297-1995-IT	IDENTIFICATION AND CENSUS OF GEOTHERMAL TECHNOLOGIES	100
DIS-1038-1996-IE	TO PROMOTE THE USE OF GEOTHERMAL ENERGY FROM PROVEN AQUIFERS AND MATCH THIS ENERGY TO EXISTING OR POTENTIAL HEAT USERS	316

General (GEN)

DIS-0004-1995-BE	RENEWABLE ENERGIES: ONE FAIR TO ADVERTISE, 5 DAYS TO UNDERSTAND	2
DIS-0100-1995-GB	FOLLOW-UP ACTIONS FROM THE 1994 MADRID CONFERENCE ON RES	29
DIS-0226-1995-ES	THE OPERATION OF UNESCO MEDITERRANEAN SOLAR COUNCIL	79
DIS-0228-1995-ES	ORGANISATION OF TECHNICAL VISITS FOR UNESCO'S ANNUAL SUMMER SCHOOL	80
DIS-0301-1995-GB	DEVELOP. OF STRUCTURE OF THE PERMANENT FORUM (EUFORES), SET-UP FOLLOWING MADRID CONFERENCE IN MARCH 1994	101
DIS-0302-1995-GB	SUPPORT FOR THE PRODUCTION OF THE EUFORES NEWSLETTER	102
DIS-0358-1995-GB	THERMIE-ALTENER RENEWABLE ENERGY JOURNAL	112
DIS-0391-1995-AT	TRAINING COURSE - SOLAR WATER HEATING IN LATVIA - BALTIC STATES	121
DIS-0655-1995-PT	STRATEGY FOR RURAL ELECTRIFICATION IN PROTECTED AREAS IN THE STATE OF PARA (AMAZONIA, BRAZIL)	188
DIS-0702-1995-ES	PROSPECTS FOR THE USE OF RENEWABLE ENERGY SOURCES IN THE ANTIOQUIA REGION OF COLOMBIA (STAGE 1)	194
DIS-0707-1995-GB	CO-OP. WITH INTERNATIONAL ORGANISATIONS IN RE ENERGY DEVELOPMENT FOR RURAL ELECTRIFICATION IN SOUTHERN AFRICA	198
DIS-0708-1995-GB	RENEWABLE ENERGY INFORMATION NETWORK FOR SOUTHERN AFRICA (PHASES 1 & 2 - ACTION PLAN AND ESTABLISHMENT)	199
DIS-0709-1995-DE	MARKETING STRATEGIES TO OPEN THE ASIAN MARKET FOR EUROPEAN TECHNOLOGIES IN THE RES-FIELD INCLUDING PARTIC. IN INEX'96	200
DIS-0735-1996-GB	RENEWABLE ENERGY TECHNOLOGIES EXPORT MARKETS SUMMARIES	213
DIS-0761-1996-ES	RENEWABLE ENERGY YEARBOOK 96	220
DIS-0981-1996-FR	RENEWABLE ENERGY IN AGRICULTURE AND FOR RURAL DEVELOPMENT FAIR "PLEIN CHAMPS" 13-15 SEPTEMBER 1996	292
DIS-1060-1996-GB	PROMOTION OF RENEWABLE ENERGY SOURCES IN SOUTH-EAST ASIA (PRESSEA)	324
DIS-1150-1996-IT	TIA TEACHING IN ARCHITECTURE - INTERNATIONAL CONFERENCE FOR TEACHERS IN ARCHITECTURE	357
SME-0015-1995-DE	CREATION OF AN INTERNAL BIOMASS BOILER MARKET IN EUROPE	5
SME-0075-1995-FR	DEVELOPEMENT OF SOLAR ENERGY IN DOMESTIC APPLICATIONS BY EXPERIENCE SHARING BETWEEN THREE REGIONS	20
SME-0116-1995-PT	BUSINESS COOPERATION FOR WINDFARM DEVELOPMENT IN PORTUGAL	35
SME-0580-1995-DE	ENTERPRISE TRAINING : DESIGN AND EXEC. OF A TRAINING PROGR. WITHIN THE EXPERIMENTATION AND TRAINING CENTRE IN TENERIFE	163
STR-0153-1995-ES	TECHNICAL-JURIDICAL EUROPEAN FORUM ON RENEWABLE ENERGY: "EUROPEAN ENTERPRISES FACING TECHNICAL & LEGAL BARRIERS OF RES"	52

STR-0234-1995-ES	TRAINING AND DISSEMINATION ACTIVITIES IN LATIN AMERICA (TASK V)	81
STR-0253-1995-GB	ENVIRONMENTAL ACCEPTABILITY OF RENEWABLE ENERGY TECHNOLOGY (PHASE 2&3)	86
STR-0588-1995-GB	ASSISTANCE WITH THE DEVELOPMENT OF A COHERENT FRAMEWORK TO ACCELERATE THE UPTAKE OF RES IN THE EU	169
STR-0621-1995-DE	RENEWABLE ENERGY : A BUSINESS FIELD FOR REGIONAL AND LOCAL ENERGY SERVICE COMPANIES	178
STR-0828-1996-IT	CONSCIOUSNESS-RAISING OF LOCAL AUTHORITIES ON RENEWABLE ENERGIES IN OBJECTIVE 1 REGIONS	247
STR-0871-1996-GB	RENEWABLE ENERGY SOURCES FOR RURAL ELECTRIFICATION IN SOUTH AFRICA	258
STR-1000-1996-GR	ENVIRONMENTAL IMPACTS FROM THE USE OF RENEWABLE ENERGY TECHNOLOGIES	299
STR-1062-1996-GB	ASSISTING THE EU RENEWABLE ENERGY INDUSTRY TO COMPETE IN THE WORLD MARKET	325
STR-1083-1996-ES	FINANCING MECHANISMS AND MARKET POTENTIAL FOR THE EXPLOITATION OF RES	331
STR-1100-1996-GB	CRITICAL SUCCESS FACTORS FOR NOVEL FINANCIAL MECHANISMS FOR RENEWABLE ENERGY PROJECTS IN PRIORITY AREAS OUTSIDE THE EU	337
SUP-0006-1995-BE	IREN. INTERSERVICE RENEWABLE ENERGIES NEWSLETTER	3
SUP-0281-1995-FR	SYMPOSIUM "DECENTRALISED RURAL ELECTRIFICATION FOR A SUSTAINABLE DEVELOPMENT"	96
SUP-0451-1995-ES	DESIGN AND PILOT IMPL. OF TRAINING PROJECT ON NEW & RENEW. ENERGY TECHN. FOR INSTALLERS AND NON-QUALIFIED WORKMEN	137
SUP-0811-1996-FR	DEVELOPMENT OF DECENTRALISED RURAL ELECTRIFICATION	238
SUP-0940-1996-GR	DESALINATION WITH RENEWABLE ENERGIES IN THE MEDITERRANEAN.	277

Hydro Power (HY)

DIS-0486-1995-IT	MINI-HYDRO GENERATION IN URBAN AND SUBURBAN AREAS. ASSESSMENT STUDY OF POTENTIAL SITES AND CONDITIONS FOR IMPLEMENTATION	142
DIS-0600-1995-PT	STRATEGY TO OVERCOME ENVIRONMENTAL BURDEN OF SMALL HYDRO AND WIND ENERGIES	171
SME-0458-1995-GB	SELECTION OF TECHNOLOGIES AND INNOVATIONS REQUIRED FOR THE RESTORATION OF 5 HISTORIC WATERPOWER SITES IN THE UK (TASK 1)	138
SME-0507-1995-GB	ANALYSIS OF EXPORT CONSTRAINTS AND OPPORTUNITIES FOR EUROPEAN SMALL SCALE HYDRO EQUIPMENT MANUFACTURERS	148
SME-0581-1995-GB	LOW-HEAD HYDRO-TASK A. DISSEMINATION OF HYDROSOFT: A SOFTWARE TOOL FOR THE RAPID EVALUATION OF LOW-HEAD HYDRO SITES	164
SME-0582-1995-GB	LOW-HEAD HYDRO-TASK B. INNOVATIVE TECHNOLOGIES FOR ENHANCING LOW-HEAD HYDROPOWER EXPLOITATION : WORKSHOP AND INNOVATION	165
STR-1097-1996-FR	ELECTRICITY PRODUCTION FROM DRINKING WATER SUPPLY SYSTEMS IN MOUNTAIN AREAS	336

Photovoltaic (PV)

DIS-0925-1996-ES	UNESCO SUMMER SCHOOL 'SOLAR ELECTRICITY FOR RURAL AND ISOLATED AREAS'	271
------------------	---	-----

DIS-0947-1996-GB	DISSEMINATION OF INFORMATION ON PHOTOVOLTAICS IN THE THERMIE PROGRAMME VIA YEARBOOKS AND SPECIALIST WORKSHOPS	281
DIS-0024-1995-IT	FOLLOW-UP OF THE PHOTOVOLTAIC ACTION AND PROMOTION OF PV TECHNOLOGY IN THE THIRD COUNTRIES	7
DIS-0187-1995-DE	THERMIE PHOTOVOLTAIC DISSEMINATION ACTIVITIES	64
DIS-0450-1995-EU	PV INFORMATION SYSTEM FOR ARCHITECTS (PISA)	136
DIS-0990-1996-ES	AUTOMOTIVE BATTERIES FOR SOLAR HOUSE SYSTEMS	294
DIS-1045-1996-DE	PHOENIX PV: DEVELOPMENT OF A READY-TO-IMPLEMENT PLAN FOR LARGE-SCALE DEPLOYMENT OF GRID-CONNECTED PV SYSTEMS	320
SME-0121-1995-DE	PV DEMONSTRATION AND EDUCATION SYSTEM	38
STR-0429-1995-DE	PV-DISSEMINATION STRATEGY GROUP	132
STR-0732-1996-ES	MARKET STUDY ON PV APPLICATIONS IN BUILDINGS IN THE SOUTH OF EUROPE	211
STR-0805-1996-GB	SUPPORT TO THE DEVELOPMENT AND IMPLEMENTATION OF THE WORLD BANK SOLAR PV INITIATIVE (FORMERLY THE GREEN CARROT)	237
STR-0821-1996-FR	PROMOTION OF PV TECHNOLOGIES FOR WATER PUMPING IN PALESTINE	244
STR-0938-1996-GR	PHOTOVOLTAICS MARKETS IN THE MEDITERRANEAN -ASSESSMENT OF POTENTIAL AND BARRIERS, ACTION PLAN FOR DEVELOPMENT	275
STR-1078-1996-DE	MOBILISING EXISTING FINANCIAL STRUCTURES IN INDIA AS A MEANS OF STIMULATING THE MARKET IN PV TECHNOLOGIES	329
SUP-0995-1996-ES	UNIVERSAL STANDARD FOR SOLAR HOUSE SYSTEMS	296

Solar Energy (SE)

DIS-0083-1995-DE	EXHIBITION STAND AT THE ISES SOLAR WORLD CONGRESS IN HARARE ZIMBABWE 9-16 SEPTEMBRE 1995	24
DIS-0088-1995-PT	CONFERENCE IN CABO VERDE ON: PROMOTION OF SUCCESSFUL EUROPEAN RENEWABLE ENERGY TECHNOLOGIES IN CABO VERDE	26
DIS-0305-1995-GR	FORMULATION AND IMPLEMENTATION OF AN EFFECTIVE SOLAR THERMAL TECHNOLOGIES DISSIMINATION STRATEGY	103
DIS-0733-1996-AT	DISSEMINATION OF PROMISING RENEWABLE RURAL ENERGY APPLICATIONS IN NORTH-EAST EUROPE	212
DIS-0819-1996-PT	POTENTIALITIES FOR EU SOLAR TECHNOLOGIES IN CABO VERDE	242
DIS-0958-1996-DE	DEVELOPMENT OF TRAINING PROGRAMMES FOR THE EDUCATION OF CRAFTSMEN AND PLANNERS IN TUNESIA	283
DIS-1013-1996-ES	INTEGRATION OF SOLAR COMPONENTS IN BUILDINGS	306
DIS-1035-1996-GB	BOOKLET ON SOLAR THERMAL ELECTRICITY	314
SME-0055-1995-SE	SOLAR HEATING IN NORTHERN AND CENTRAL EUROPE	15
SME-0386-1995-GB	EASTERHOUSE SOLAR ENERGY PROJECT - GLASGOW. SEMINARS & WORKHOPS TO PROMOTE THE RESULTS AND BENEFITS	118
STR-0720-1995-FR	MARKET STRATEGIES FOR EUROPEAN SOLAR TECHNOLOGIES IN CHINA	206

Transport (TR)

DIS-0972-1996-NL	MARKET INTRODUCTION SUPPORT OF PV-SYSTEMS FOR THE ELECTRIC PROPULSION OF BOATS	288
------------------	--	-----

Wind Energy (WE)

DIS-0704-1995-DK	DISSEMINATION OF EU RENEWABLE ENERGY TECHNOLOGIES IN CHINA	195
DIS-0840-1996-IE	PROMOTION OF THE THERMIE PROGRAMME AT THREE MAJOR EXHIBITIONS IN IRELAND AND THE UNITED KINGDOM	250
SME-0792-1996-BE	PRODUCTION OF MULTIMEDIA, INTERACTIVE, SME ORIENTED CD-ROM ON WIND ENERGY TECHNOLOGIES	229
SME-1127-1996-GB	STRATEGY AND EXCHANGE OF EXPERIENCE FOR THE DEVELOPMENT OF INDUSTRIAL INFRASTRUCTURE FOR WIND ENERGY IN ARGENTINA	350
STR-0194-1995-DK	STRATEGY FOR THE DISSEMINATION OF WIND ENERGY IN EUROPE.	67
STR-0759-1996-GB	MARKET ASSESSMENT AND EXPORT STRATEGY FOR WIND ENERGY TECHNOLOGY IN INDIA	218
STR-0939-1996-GB	UNDERSTANDING THE RISKS OF FINANCING WIND FARMS	276

Fossil Fuels (FF)

Environmental (ENV)

DIS-1089-1996-GB	CONFERENCE ON NEW EUROPEAN TECHNOLOGIES FOR POLLUTION CONTROL AND ENVIRONMENTAL MONITORING, HAMBURG, OCTOBER 1997	335
------------------	---	-----

General (GEN)

STR-0449-1995-NL	A GLOBAL VIEW TO THE OIL&GAS SUPPLY IND.: INTERACTION BETWEEN TECHN., ECON. AND POLICY	135
------------------	--	-----

Industry (IN)

DIS-0850-1996-ES	ENERGY EFFICIENCY TECHNOLOGIES IN THE OIL AND GAS INDUSTRY IN ARGENTINA	251
------------------	---	-----

Oil and Gas (OG)

DIS-0135-1995-GB	OFFSHORE TECHNOLOGY CONFERENCE (OTC) 1-4 MAY 1995 HOUSTON, USA	43
DIS-0136-1995-GB	EAEG/EAPG TECHNICAL EXHIBITION 30 MAY/2JUNE 1995, GLASGOW, UK	44
DIS-0137-1995-GB	OFFSHORE EUROPE EXHIBITION 5-8 SEPTEMBER 1995, ABERDEEN, UK	45
DIS-0138-1995-GB	OIL & GAS TYUMEN 13-17 NOVEMBER 1995, TYUMEN, WESTERN SIBERIA, RUSSIA	46
DIS-0140-1995-GB	PROSPECTS FOR PETROLEUM EXPLORATION TECHNOLOGIES (GEOSCIENCES) MARKET STUDY	48
DIS-0169-1995-FR	WORKSHOP ON PIPELINE INTEGRITY (DECEMBER 1996, TYUMEN)	57

DIS-0182-1995-PT	MARKET FOR NATURAL GAS ENERGY TECHNOLOGIES	62
DIS-0400-1995-IT	SEMINARS FOR OIL & GAS INDUSTRY ON: MAINTENCE - INSPECTIONS	126
DIS-0403-1995-GR	ORGANIZATION OF A SEMINAR ON E.O.R. IN ALBANIA	127
DIS-0550-1995-GR	SAFETY AND ENVIRONMENT PROTECTION IN OIL LAND PIPELINES AND SEA LINE (LOADING/UNLOADING) TERMINALS	160
DIS-0650-1995-PT	STRATEGY FOR HYDROCARBONS AND R.U. E. IN PHILIPPINES	186
DIS-0651-1995-PT	OIL AND GAS TECHNOLOGY AND ENVIRONMENT IMPACT DISSEMINATION OF ENERGY TECHNOLOGIES	187
DIS-0716-1995-PT	STUDY ON THE INTEGRATION OF THE GAS MARKET IN LATIN AMERICA AND THE CARIBBEAN.	204
DIS-0730-1996-FR	DISSEMINATION PROGRAMME IN EUROPE FOR CHINESE ENGINEERS ON WASTE MANAGEMENT AND ENVIRONMENT PROTECTION DURING DRILLING	210
DIS-0912-1996-DE	TECHN. FOR DECOMMISS., REMOVAL OR REUTILISATION OF OFFSHORE PLATFORMS	268
DIS-1002-1996-PT	OIL & GAS TECHNOLOGIES AND THEIR ENVIRONMENTAL IMPACT	301
DIS-1015-1996-FR	OIL AND GAS TYUMEN EXHIBITION 96. NOVEMBER 1996, TYUMEN, RUSSIA	308
DIS-1085-1996-GB	IOCE, 29-31 OCTOBER 96, ABERDEEN, UK --- OMC, 19-21 MARCH 97, RAVENNA, ITALY	332
DIS-1086-1996-GB	OSEA'96, 24-27 SEPTEMBER 1996, SINGAPORE - RIO OIL & GAS EXPO 96, 13-17 OCTOBER 1996, RIO DE JANEIRO	333
DIS-1087-1996-GB	OFFSHORE TECHNOLOGY CONFERENCE, 6-9 MAY 1996. HOUSTON - USA.	334
DIS-1118-1996-GR	EUROPEAN NATURAL GAS TECHNOLOGY WORKSHOPS AND EXHIBITION STAND AT AERION'97	343
DIS-1122-1996-GB	SAFETY MANAGEMENT TRAINING FOR EAST EUROPEAN OIL AND GAS MANAGERS	345
DIS-1135-1996-GR	NEW AND IMPROVED TECHN. FOR THE CONSTR., REHABILITATION AND MAINT. OF URBAN GAS DISTRIBUTION NETWORKS	353
SME-0139-1995-GB	OFFSHORE TECHNOLOGY CONFERENCE (O.T.C.) - 6-9 1996 - HOUSTON, USA	47
SME-0145-1995-GB	NEW EUROPEAN TECHNOLOGIES FOR THE EXPLORATION AND EXPLOITATION OF OIL AND GAS RESOURCES	49
SME-0170-1995-FR	SEMINARS ON "RESERVOIR ENGINEERING AND RESERVOIR MANAGEMENT"	58
SME-0171-1995-FR	WORKSHOP ON WELL REPAIR - FEBRUARY 1996, TYUMEN	59
SME-0577-1995-DE	EXHIBITION STAND AT THE OIL & GAS INDIA EXHIBITION - NEW DELHI, INDIA - 1-4 NOV 1995	162
SME-0649-1995-PT	SEMINAR AND EXHIBITION IN OIL AND GAS TECHNOLOGY IN ROMANIA	185
SME-0658-1995-FR	EC. ENERGY CENTRE TYUMEN	189
SME-0725-1996-NL	HOLLAND OIL AND GAS'96, 12-14 NOVEMBER 1996, AMSTERDAM, THE NETHERLANDS	208
SME-0726-1996-NL	WORKSHOP ON "EUROPEAN ADVANCES IN DRILLING TECHNOLOGY", 6 MAY 1997, HOUSTON, USA	209
SME-0791-1996-DE	EUROPEAN UPSTREAM GAS TECHNOLOGY, VIENNA, AUSTRIA, JANUARY 1997	228
SME-0800-1996-NL	ARABIAN GULF CONFERENCE ON EUROPEAN OIL AND GAS TECHNOLOGIES. 13-14 OCTOBER 1997, BAHRAIN	234
SME-0886-1996-DE	CIOGE'96. EXHIBITION STAND/ WORKSHOP, 18-21 NOVEMBER 1996, BEIJING, CHINA	260

SME-0911-1996-DE	TRANSFER OF EUROPEAN UPSTREAM OIL AND GAS TECHNOLOGIES TO MERCOSUR	267
SME-0933-1996-NL	PREGO-2, THE 2ND INTERNATIONAL EXHIBITION & CONFERENCE FOR PETROCHEMICALS, REFINERIES GAS & OIL INDUSTRIES, NOV. 1997	274
SME-0941-1996-IT	ALGERIA - SEMINAR ON OIL AND GAS PIPELINE INTEGRITY	278
SME-0960-1996-GB	DAMPS (DOWNTIME ANALYSIS FOR MARGINAL FIELD PRODUCTION SYSTEMS) WORKSHOP, CORK, REPUBLIC OF IRELAND, JANUARY 97	284
SME-0965-1996-GB	CONFERENCE ON ENHANCED TECHNOLOGIES FOR MARGINAL FIELD PRODUCTION, LONDON, JUNE 1997	285
SME-0966-1996-GB	GEOSCIENCE TECHNOLOGIES SEMINAR, VIENNA, AUSTRIA, MARCH 1997	286
STR-0122-1995-GB	SUPPORT FOR THE DEVELOPMENT OF AN ENERGY RTD STRATEGY	39
STR-0127-1995-GB	EUROPEAN UNION OIL AND GAS SME DIRECTORY (THIRD EDITION)	41
STR-0128-1995-GB	EUROPEAN DEMONSTRATION PROJECT INVENTORY (THIRD EDITION)	42
STR-0603-1995-NO	COST EFFICIENCY IN A NEW ERA WITH NEW TECHNOLOGY (CENET)	173
STR-0640-1995-FR	NORTH SEA OIL & GAS PRODUCTION OUTLOOK	184
STR-0775-1996-DE	TRANSFER OF EUROPEAN UPSTREAM OIL AND GAS TECHNOLOGIES TO CHINA	221
STR-0996-1996-NL	THE NORM PROBLEM IN THE OIL AND GAS INDUSTRY: TOWARDS A EUROPEAN POLICY PERTAINING TO THE TREATMENT OF RADIOACTIVE WASTE	297
STR-1029-1996-GB	THE POLITICAL ECONOMY OF NEW OIL AND GAS TECHNOLOGY IN THE COST REDUCTION ERA.	311
STR-1077-1996-ES	EVALUATION OF THE POTENTIAL OF TECHNOLOGIES FOR NATURAL GAS IN THE CHILEAN MARKET AND OF THE MOST APPROPRIATE STRATEGIES	328
SUP-0125-1995-GB	STRATEGIC AND TECH. SUPPORT IN THE HC SECTOR-COLLABORATION WITH OPET NETWORK FOR PROMOTION/DISS/SUP FOR THIRD COUNTRIES	40
SUP-0882-1996-FR	TRAINING COURSES IN OIL UPSTREAM TECHNOLOGIES	259

Solid Fuels (SF)

DIS-0027-1995-ES	PREPARATION OF CLEAN COAL TECHNOLOGY NEWSLETTERS	8
DIS-0076-1995-FR	AWARENESS AND VALUE ADDED ACTIVITIES FOR COAL COMBUSTION RESIDUE	21
DIS-0250-1995-GB	COORDINATION AND SUPPORT OF THE EUROPEAN COAL LIQUEFACTION ADVISORY GROUP	85
DIS-0256-1995-GR	ASSESSMENT AND PROMOTION OF THE USE OF NEW TECHNOLOGIES ON EUROPEAN LIGNITES AND BROWN COAL.	87
DIS-0270-1995-IT	MEMBER STATE TECHNOLOGIES DEDICATED TO HELP THE ENERGY SELF SUFFICIENCY PROCESS OPTIMISING THE LOCAL RESOURCES	92
DIS-0320-1995-DE	EUROPEAN LECTURE SERIES ON CLEAN COAL TECHNOLOGIES.	106
DIS-0332-1995-ES	DISTRIBUTION OF CLEAN COAL TECHNOLOGIES NEWSLETTERS NO. 5,6 ON SOLID FUELS RELATED INFORMATION	109
DIS-0426-1995-DE	INDO-EUROPEAN SEMINAR ON CLEAN COAL TECHNOLOGY AND THERMAL POWER PLANT UPGRADING	131
DIS-0435-1995-DE	DISSEMINATION ACTIVITIES FOR THERMIE SOLID FUEL PROJECT.	133
DIS-0506-1995-GB	EUROPEAN CO-COMBUSTION OF COAL, BIOMASS AND WASTES	147

DIS-0715-1995-GB	PROMOTION OF EFFICIENT AND CLEAN COAL BOILERS (150KW) IN CENTRAL AND EASTERN EUROPE.	203
DIS-1001-1996-ES	SOLID FUELS TELE-VIDEO CONFERENCE	300
DIS-1042-1996-ES	PREPARATION OF 5 SECTIONS OF THE "CLEAN COAL TECHNOLOGIES HANDBOOK"	319
STR-0723-1995-DK	STRATEGY FOR THE DEVELOPMENT OF ADVANCED PULVERIZED COAL-FIRED POWER PLANTS (700°C)	207
STR-0909-1996-ES	UNDERGROUND COAL GASIFICATION -DISSEMINATION OF RESULTS OF EXISTING PROJECT AND FORMULATION OF FUTURE PROGRAMME	265
STR-1014-1996-ES	CLEAN COAL UTILISATION FOR ELECTRIC POWER GENERATION IN LATIN AMERICA	307
STR-1121-1996-GB	EUROPEAN ACTION PLAN FOR THE IMPLEMENTATION OF THE CARNOT PROGRAMME	344
SUP-0604-1995-BE	PROMOTION OF THE EU ENERGY CENTRE KATOWICE, REGIONAL CENTRE FOR SOLID FUELS CLEAN TECHNOLOGIES	174

RUE & RES

Biomass (BM)

DIS-0405-1995-FR	ENERGY MANAGEMENT AND PROMOTION OF WOOD FUEL IN POLAND	128
------------------	--	-----

Buildings (BU)

DIS-0161-1995-BE	PRODUCTION OF A CD ROM ON BIOCLIMATIC ARCHITECTURE	54
DIS-0162-1995-BE	PREPARATION AND DISSEMINATION OF A MAXIBROCHURE TO PROMOTE BIOCLIMATIC ARCHITECTURAL DESIGN	55
DIS-0700-1995-FR	STRATEGY FOR MARKET PENETRATION OF BIOCLIMATIC, WIND AND SOLAR TECHNOL. IN PALESTINE (JERICHO, GAZA STRIP AND WEST BANK)	192
DIS-1124-1996-GB	IDENTIFICATION AND PREPARATION OF BANKABLE RUE/RES PROJECTS FOR THE EUROPEAN INVESTMENT BANK	347
SME-0525-1995-DE	PROG. FOR THE DISSEMIN. OF SOLAR THERMALLY SUPPORTED ENERGY SERVICE SYSTEMS FOR HEAT AND AIR-CONDITIONING IN BUILDING	156
STR-0752-1996-FR	IDENTIFICATION OF NON-TECHNOLOGICAL OBSTACLES TO THE DEVELOPMENT OF BIOCLIMATIC TECHNOLOGIES IN THE MEDITERRANEAN REGION	215

General (GEN)

DIS-1128-1996-GB	DEVELOPMENT OF A JOINT EXPERT'S NETWORK OF EU/IFI FOR THE EXCHANGE OF INFORMATION	351
STR-0416-1995-SE	IMPLEMENTATION OF ENERGY EFFICIENCY AND RENEWABLE ENERGY TECHNOLOGIES IN EASTERN EUROPE AS A EUROPEAN ENVIRONM.STRATEGY	130

RUE, RES & FF

Buildings (BU)

DIS-0276-1995-GB	WORKSHOP ON ELECTRICAL UTILITY INITIATIVES - TASK 2 PACKAGE OF ACTIONS TO PROMOTE ENERGY EFFICIENT LIGHTING IN BUILDINGS	93
DIS-0898-1996-GR	MEDITERRANEAN ENERGY INFORMATION NETWORK	263

Environmental (ENV)

STR-0782-1996-PT	A GLOBAL STRATEGY FOR ENERGY AND ENVIRONMENT FOR EXPO' 98	223
STR-0994-1996-DE	INFLUENCE OF THE EUROPEAN ECO-MANAGEMENT AND AUDIT SCHEME ON THE ENERGY EFFICIENCY OF SMES	295
STR-1006-1996-FR	"ECO-CAMPUS" ENERGY ENVIRONMENT NETWORK OF EUROPEAN UNIVERSITIES AND RESEARCH CENTRES.	304
STR-1109-1996-FR	FORMATION DES ELUS À LA PROBLEMATIQUE ENERGETIQUE DANS UNE APPROCHE DE DEVELOPPEMENT DURABLE	341
SUP-0838-1996-BE	ENVIRONMENTAL IMPACT OF NEW AND EXISTING COGEN. TECHNOLOGIES -A STUDY FOR THE EU AND SELECTED EAST EUROPE	249

General (GEN)

DIS-0007-1995-GR	COMMERCIALISATION OF THE SESAME DATA-BASE	4
DIS-0017-1995-DE	HANDBOOK "ENERGY TECHNOLOGIES" - PART 2	6
DIS-0077-1995-FR	THERMIE STAND IN THE "FOIRE INTERNATIONALE DE BORDEAUX" AND CONFERENCE ON EFFICIENT AND CLEAN TECHNOLOGIES	22
DIS-0207-1995-IT	MARKETING GROUP ACTIVITY ON THIRD PARTY FINANCING (TPF)	72
DIS-0211-1995-IT	AN ITALIAN ESCO : HOW TO ACHIEVE IT?	73
DIS-0353-1995-FR	PROMOTION OF DG XVII'S PARTICIPATION IN WES - THE WORLD ENERGY SHOW TOKYO 8-12 OCTOBER 1995	111
DIS-0471-1995-GB	A THERMIE STAND AT THE ENVIRONMENTAL EQUIPMENT & MANAGEMENT EXHIBITION, APRIL 1996, UNITED KINGDOM	140
DIS-0699-1995-AT	A STRATEGY FOR THE PROMOTION OF THIRD PARTY FINANCING AND THE CREATION OF ENERGY SERVICE COMPANIES IN SLOVAKIA	191
DIS-0706-1995-GR	PROMOTION OF ENERGY EFFICIENT TECHNOLOGIES IN THE URBAN ENVIRONMENT OF BLACK SEA CITIES	197
DIS-0710-1995-DE	INTERACTIVE WORKSHOPS ON EUROPEAN ENERGY TECHNOLOGY TRANSFER FOR MUTUAL EUROPEAN/VIETNAMESE BENEFIT	201
DIS-0820-1996-PT	ELABORATION AND PRODUCTION OF AN ACTIVE DATA BASE OF FINANCIAL INSTRUMENTS FOR ENERGY TECHNOLOGIES IN THE EUROPEAN UNION	243
DIS-0915-1996-DE	PROMOTION AND DISSEMINATION OF INNOVATIVE EU ENERGY TECHNOLOGIES TO THE CZECH REPUBLIC AND SLOVAKIA	269
DIS-0926-1996-PT	PROMOTION OF ENERGY EFFICIENT TECHNOLOGIES MATCHING WITH ISLANDS AND ULTRA-PERIPHERAL REGIONS SPECIFITIES - PHASE II -	272

DIS-0931-1996-GR	INVESTMENT GUIDE FOR THE ENERGY SECTOR IN BALKAN COUNTRIES. PART II: BULGARIA	273
DIS-0974-1996-IE	A MULTIMEDIA INFORMATION AND TRAINING PACKAGE FOR THE PROMOTION OF RATIONAL USE OF ENERGY	289
SME-0263-1995-AT	INTEGRATION OF AUSTRIA IN THE EUROPEAN ENERGY TECHNOLOGY MARKET IN COLLABORATION WITH BAVARIA	91
SME-0760-1996-ES	ACTION FOR STRONG INVOLVEMENT OF SMES IN THERMIE IN THE MEDITERRANEAN COUNTRIES : ASSIST MED	219
SME-0780-1996-PT	PROMOTION OF THE 96/97 JOULE-THERMIE CALL FOR PROPOSAL	222
SME-0910-1996-AT	THERMIE INFORMATION IN AUSTRIA AND BAVARIA (CONTINUATION OF THERMIE B PROJECT SME-0263-95-AT)	266
SME-0924-1996-ES	ENERGY MANAGERS GROUP : TRAINING AND DISSEMINATION OF EFFICIENT ENERGY TECHNOLOGIES	270
SME-1108-1996-DE	INCREASING CHANCES OF SMES FOR SUCCESSFUL SUBMISSION OF THERMIE PROPOSALS	340
STR-0038-1995-DE	INTENSIFIED CO-OPERATION WITH INTERNATIONAL FINANCING INSTITUTIONS	11
STR-0078-1995-FR	MAKE ENERGY TECHNOLOGIES KNOWN TO GENERAL PUBLIC	23
STR-0151-1995-GB	PREPARATION OF ENERGY TECHN. TRANSFER TO UKRAINE AND BELARUS	51
STR-0219-1995-DE	PREPARATION OF ENERGY TECHNOLOGY TRANSFER TO RUSSIA	76
STR-0239-1995-DK	PREPARATION OF ENERGY TECHNOLOGY TRANSFER AND COORDINATION OF INFORMATION DISSEMINATION IN THE BALTIC SEA REGION	83
STR-0259-1995-GR	PROMOTION AND COOPERATION IN THE FIELD OF THERMIE ACTIVITIES WITH THE BALKAN COUNTRIES	88
STR-0261-1995-GR	ENVIRONMENTAL IMPACTS IN THE COST BENEFIT ASSESSMENT OF MODERN ENERGY TECHNOLOGIES	89
STR-0262-1995-AT	PREPARATORY ACTIVITIES TO PROMOTE AND DISSEMINATE EU ENERGY TECHNOLOGIES IN THE CZECH REPUBLIC, HUNGARY, AND SLOVAKIA	90
STR-0321-1995-DE	ENVIRO. IMPACT OF ENERGY TECHNOLOGIES IN MEDITERRANEAN COUNTRIES: STRATEGY DEVELOPMENT FOR AUDITING & TRAINING	107
STR-0359-1995-GR	PRODUCTION OF THE SECTORIAL CATALOGUES OF THE THERMIE SECTORS	113
STR-0497-1995-GB	LIFE-CYCLE ENVIRONMENT IMPACT ASSESSMENT OF THERMIE PROGRAMME (1990-1994)	146
STR-0519-1995-GB	ANALYSING RTD STRATEGY	155
STR-0599-1995-PT	STRATEGY FOR A POLICY OF DEVELOP., DEMONSTR. AND DISSEMINATION OF ENERGY EFFICIENT TECHNOLOGIES IN PORTUGAL AND SWEDEN	170
STR-0620-1995-GB	THERMIE SUPPORT TO THAI ENCON PROGRAMME BY TRAINING OF THE DEPARTMENT OF ENERGY DEVELOPMENT AND PROMOTION (DEDP)	177
STR-0623-1995-FI	DISSEMINATION OF THERMIE AND COORDINATION OF OTHER EU ENERGY ACTIONS IN FINLAND AND IN THE EU MEMBER STATES.	180
STR-0786-1996-PT	EVALUATION OF THERMIE DISSEMINATION ACTIONS WITHIN IBERIC PENINSULA COUNTRIES	225
STR-0797-1996-NL	HIGH LEVEL ENERGY CONFERENCE IN SOUTHERN AFRICA	232
SUP-0180-1995-NL	ADM. SUPPORT AND COORD. OF DATABASES, MODELLING AND OTHER METHODS/TOOLS FOR DISSIMINATION	61

SUP-0195-1995-DK	IMPROVED COST-EFFECTIVE USE OF THE SKILLS AND EXPERIENCE AVAILABLE IN DK, SE, FI, (AND NO) FOR ENERGY TECHN. TO ALL SECT	68
SUP-0217-1995-DE	CONDUCT INQUIRIES AT FAIRS AND EXHIBITIONS TO WORK OUT A GUIDE FOR THE IMPROVEMENT OF THERMIE EXHIBITION PRESENTATIONS	75
SUP-0367-1995-EU	DEVELOPMENT OF THE GUIDELINES, EFFECTIVENESS ASSESSMENTS AND COMMUNICATIONS FOR DISSEMINATION TOOLS	114
SUP-0443-1995-GB	BARRIERS TO ENERGY ACTION IN SMES IN THE UK, BEAND GR AND TO PROVIDE A METHODOLOGY FOR SOLVING THESE PROBLEMS IN THE EU	134

Industry (IN)

STR-0202-1995-IT	THE ENERGY USE OF WASTES IN THE BRICK INDUSTRY	71
------------------	--	----

Index of contracts by topics

Business-Mission

DIS-0705-1995-DK	DISSEMINATION OF EFFICIENT HEAT TECHNOLOGIES IN THE GREATER MOSCOW REGION	196
STR-0775-1996-DE	TRANSFER OF EUROPEAN UPSTREAM OIL AND GAS TECHNOLOGIES TO CHINA	221
STR-0805-1996-GB	SUPPORT TO THE DEVELOPMENT AND IMPLEMENTATION OF THE WORLD BANK SOLAR PV INITIATIVE (FORMERLY THE GREEN CARROT)	237

Workshop

DIS-0004-1995-BE	RENEWABLE ENERGIES: ONE FAIR TO ADVERTISE, 5 DAYS TO UNDERSTAND	2
DIS-0051-1995-FR	PROM. OF EU EXPERIENCES ON MEASURES TO REINFORCE URB. PUBL. TRANSP. ATTRACTIV. IN MED. SIZED TOWNS OF NEW MEMBERS STATES	14
DIS-0092-1995-ES	FUNCTIONAL INTEGRATION OF TRANSPORT MODES THROUGH MODAL INTERCHANGE POINTS	28
DIS-0100-1995-GB	FOLLOW-UP ACTIONS FROM THE 1994 MADRID CONFERENCE ON RES	29
DIS-0110-1995-GB	WORKSHOP ON "THIRD PARTY FINANCING AND COGENERATION IN THE PAPER INDUSTRY" DURING "PAPER WEEK"	32
DIS-0169-1995-FR	WORKSHOP ON PIPELINE INTEGRITY (DECEMBER 1996, TYUMEN)	57
DIS-0221-1995-DE	WORKSHOP - OPTIMUM COMBUSTION CONTROL IN COAL-FIRED THERMAL POWER PLANTS	77
DIS-0256-1995-GR	ASSESSMENT AND PROMOTION OF THE USE OF NEW TECHNOLOGIES ON EUROPEAN LIGNITES AND BROWN COAL.	87
DIS-0276-1995-GB	WORKSHOP ON ELECTRICAL UTILITY INITIATIVES - TASK 2 PACKAGE OF ACTIONS TO PROMOTE ENERGY EFFICIENT LIGHTING IN BUILDINGS	93
DIS-0382-1995-ES	ENERGY EFFICIENCY FOR HVAC IN THE BUILDING SECTOR OF MEDITERRANEAN COUNTRIES	115
DIS-0600-1995-PT	STRATEGY TO OVERCOME ENVIRONMENTAL BURDEN OF SMALL HYDRO AND WIND ENERGIES	171
DIS-0612-1995-IT	NATURAL COOLING TECHNOLOGIES IN BUILDING (2 WORKSHOPS)	176
DIS-0710-1995-DE	INTERACTIVE WORKSHOPS ON EUROPEAN ENERGY TECHNOLOGY TRANSFER FOR MUTUAL EUROPEAN/VIETNAMESE BENEFIT	201
DIS-0733-1996-AT	DISSEMINATION OF PROMISING RENEWABLE RURAL ENERGY APPLICATIONS IN NORTH-EAST EUROPE	212
DIS-0799-1996-NL	DISSEMINATION OF LANDFILL GAS UTILISATION (FOLLOW-UP OF DIS/117/95)	233
DIS-0870-1996-ES	DISSEMINATION OF ENERGY EFFICIENT TECHNOLOGIES IN THE TEXTILE SECTOR : 6 WORKSHOPS	257
DIS-0912-1996-DE	TECHN. FOR DECOMMISS., REMOVAL OR REUTILISATION OF OFFSHORE PLATFORMS	268
DIS-0926-1996-PT	PROMOTION OF ENERGY EFFICIENT TECHNOLOGIES MATCHING WITH ISLANDS AND ULTRA-PERIPHERAL REGIONS SPECIFICITIES - PHASE II -	272
DIS-0947-1996-GB	DISSEMINATION OF INFORMATION ON PHOTOVOLTAICS IN THE THERMIE PROGRAMME VIA YEARBOOKS AND SPECIALIST WORKSHOPS	281

DIS-0967-1996-NL	DISSEMINATION CONFERENCE ON THE RESULTS OF NATURAL GAS VEHICLES FOR EUROPEAN CITIES	287
DIS-0984-1996-IT	PACKAGE OF PROMOTIONAL AND DISSEMINATION ACTIVITIES RELATIVE TO THE BUILDING TARGETED PROJECT REMMA	293
DIS-1002-1996-PT	OIL & GAS TECHNOLOGIES AND THEIR ENVIRONMENTAL IMPACT	301
DIS-1082-1996-LU	STRATEGY FOR THE DISSEMINATION OF INFORMATION ON THE UTILIZATION OF BIOMASS IN THE SAARLORLUX REGION.	330
DIS-1118-1996-GR	EUROPEAN NATURAL GAS TECHNOLOGY WORKSHOPS AND EXHIBITION STAND AT AERION'97	343
DIS-1128-1996-GB	DEVELOPMENT OF A JOINT EXPERT'S NETWORK OF EU/IFI FOR THE EXCHANGE OF INFORMATION	351
DIS-1135-1996-GR	NEW AND IMPROVED TECHN. FOR THE CONSTR., REHABILITATION AND MAINT. OF URBAN GAS DISTRIBUTION NETWORKS	353
SME-0170-1995-FR	SEMINARS ON "RESERVOIR ENGINEERING AND RESERVOIR MANAGEMENT"	58
SME-0171-1995-FR	WORKSHOP ON WELL REPAIR - FEBRUARY 1996, TYUMEN	59
SME-0386-1995-GB	EASTERHOUSE SOLAR ENERGY PROJECT - GLASGOW. SEMINARS & WORKHOPS TO PROMOTE THE RESULTS AND BENEFITS	118
SME-0388-1995-DE	ASSISTING SME PUBLIC TRANSPORT COMPANIES TO SAVE ENERGY IN THE OPERATION OF TRAMS AND TROLLEY-BUSES	119
SME-0389-1995-DE	FEASIBILITY AND MARKET STUDY INTO FUEL CELL APPLICATIONS FOR DECENTRALISED H&P GENERATION AND PEAK DEMAND MANAGEMENT	120
SME-0582-1995-GB	LOW-HEAD HYDRO-TASK B. INNOVATIVE TECHNOLOGIES FOR ENHANCING LOW-HEAD HYDROPOWER EXPLOITATION : WORKSHOP AND INNOVATION	165
SME-0726-1996-NL	WORKSHOP ON "EUROPEAN ADVANCES IN DRILLING TECHNOLOGY", 6 MAY 1997, HOUSTON, USA	209
SME-0960-1996-GB	DAMPS (DOWNTIME ANALYSIS FOR MARGINAL FIELD PRODUCTION SYSTEMS) WORKSHOP, CORK, REPUBLIC OF IRELAND, JANUARY 97	284
STR-0588-1995-GB	ASSISTANCE WITH THE DEVELOPMENT OF A COHERENT FRAMEWORK TO ACCELERATE THE UPTAKE OF RES IN THE EU	169
STR-0821-1996-FR	PROMOTION OF PV TECHNOLOGIES FOR WATER PUMPING IN PALESTINE	244
STR-1072-1996-DE	CREATION OF AN ENERGY TECHN. DISSEMINATION NETWORK FOR THE BREWING SECTOR IN EUROPE	327
STR-1100-1996-GB	CRITICAL SUCCESS FACTORS FOR NOVEL FINANCIAL MECHANISMS FOR RENEWABLE ENERGY PROJECTS IN PRIORITY AREAS OUTSIDE THE EU	337

Conference

DIS-0088-1995-PT	CONFERENCE IN CABO VERDE ON: PROMOTION OF SUCCESSFUL EUROPEAN RENEWABLE ENERGY TECHNOLOGIES IN CABO VERDE	26
DIS-0585-1995-FR	INTER-MODALITY IN URBAN TRANSPORT	167
DIS-0706-1995-GR	PROMOTION OF ENERGY EFFICIENT TECHNOLOGIES IN THE URBAN ENVIRONMENT OF BLACK SEA CITIES	197
DIS-0794-1996-DE	SUPPORT OF INTERNATIONAL CONFERENCE "LIGHT '96", LEIPZIG, GERMANY, 2-4 OCTOBER 1996	230
DIS-0813-1996-BE	CLIMA 2000/BRUSSELS 1997	239

DIS-1049-1996-PT	PROMOTION OF BIOFUELS AND EU EFFICIENT BIOMASS TECHNOLOGIES FOR ELECTRICITY PRODUCTION IN BRASIL	321
DIS-1089-1996-GB	CONFERENCE ON NEW EUROPEAN TECHNOLOGIES FOR POLLUTION CONTROL AND ENVIRONMENTAL MONITORING, HAMBURG, OCTOBER 1997	335
DIS-1150-1996-IT	TIA TEACHING IN ARCHITECTURE - INTERNATIONAL CONFERENCE FOR TEACHERS IN ARCHITECTURE	357
SME-0145-1995-GB	NEW EUROPEAN TECHNOLOGIES FOR THE EXPLORATION AND EXPLOITATION OF OIL AND GAS RESOURCES	49
SME-0800-1996-NL	ARABIAN GULF CONFERENCE ON EUROPEAN OIL AND GAS TECHNOLOGIES. 13-14 OCTOBER 1997, BAHRAIN	234
SME-0965-1996-GB	CONFERENCE ON ENHANCED TECHNOLOGIES FOR MARGINAL FIELD PRODUCTION, LONDON, JUNE 1997	285
STR-0153-1995-ES	TECHNICAL-JURIDICAL EUROPEAN FORUM ON RENEWABLE ENERGY:"EUROPEAN ENTERPRISES FACING TECHNICAL & LEGAL BARRIERS OF RES"	52
STR-0262-1995-AT	PREPARATORY ACTIVITIES TO PROMOTE AND DISSEMINATE EU ENERGY TECHNOLOGIES IN THE CZECH REPUBLIC, HUNGARY, AND SLOVAKIA	90
STR-0797-1996-NL	HIGH LEVEL ENERGY CONFERENCE IN SOUTHERN AFRICA	232
SUP-0281-1995-FR	SYMPOSIUM "DECENTRALISED RURAL ELECTRIFICATION FOR A SUSTAINABLE DEVELOPMENT"	96
SUP-0604-1995-BE	PROMOTION OF THE EU ENERGY CENTRE KATOWICE, REGIONAL CENTRE FOR SOLID FUELS CLEAN TECHNOLOGIES	174

Exhibition

SME-0933-1996-NL	PREGO-2, THE 2ND INTERNATIONAL EXHIBITION & CONFERENCE FOR PETROCHEMICALS, REFINERIES GAS & OIL INDUSTRIES, NOV. 1997	274
STR-0193-1995-DK	STRAT. FOR EXTENDED USE OF DHC IN EUROPE, INCL. THE CONTINUATION OF MARKETING GROUP	66

Seminar

DIS-0076-1995-FR	AWARENESS AND VALUE ADDED ACTIVITIES FOR COAL COMBUSTION RESIDUE	21
DIS-0270-1995-IT	MEMBER STATE TECHNOLOGIES DEDICATED TO HELP THE ENERGY SELF SUFFICIENCY PROCESS OPTIMISING THE LOCAL RESOURCES	92
DIS-0400-1995-IT	SEMINARS FOR OIL & GAS INDUSTRY ON: MAINTENCE - INSPECTIONS	126
DIS-0426-1995-DE	INDO-EUROPEAN SEMINAR ON CLEAN COAL TECHNOLOGY AND THERMAL POWER PLANT UPGRADING	131
DIS-0550-1995-GR	SAFETY AND ENVIRONMENT PROTECTION IN OIL LAND PIPELINES AND SEA LINE (LOADING/UNLOADING) TERMINALS	160
DIS-0651-1995-PT	OIL AND GAS TECHNOLOGY AND ENVIRONMENT IMPACT DISSEMINATION OF ENERGY TECHNOLOGIES	187
DIS-0701-1995-ES	EUROPEAN/LATIN AMERICAN SEMINAR : "USE OF ENERGY FROM MUNICIPAL SOLID WASTE".	193
DIS-0704-1995-DK	DISSEMINATION OF EU RENEWABLE ENERGY TECHNOLOGIES IN CHINA	195
DIS-0796-1996-IT	TECHN. AND KNOW-HOW TRANSFER ON RATIONAL USE OF ENERGY IN PUBLIC BUILDINGS AND INFRASTRUCTURES	231

DIS-0850-1996-ES	ENERGY EFFICIENCY TECHNOLOGIES IN THE OIL AND GAS INDUSTRY IN ARGENTINA	251
DIS-0865-1996-LU	LARGE SCALE DISSEMINATION OF EXPERIENCE ACQUIRED ON THE HYBRID-ELECTRIC BUS PROJECT OF LUXEMBOURG	256
DIS-1005-1996-GB	SMALL SCALE CHP APPLICATIONS FOR BUILDINGS IN CHINA	303
DIS-1134-1996-IE	ARCHITECTURAL PRACTICE AND THE RATIONAL USE OF ENERGY	352
SME-0649-1995-PT	SEMINAR AND EXHIBITION IN OIL AND GAS TECHNOLOGY IN ROMANIA	185
SME-0941-1996-IT	ALGERIA - SEMINAR ON OIL AND GAS PIPELINE INTEGRITY	278
SME-0966-1996-GB	GEOSCIENCE TECHNOLOGIES SEMINAR, VIENNA, AUSTRIA, MARCH 1997	286
SME-1020-1996-ES	STRAT. EVALUATION & MARKET APPRAISAL FOR INTEGRABLE MULTIPURPOSE AND PORTABLE DECENTRALIZED HEAT&POWER GENERATION UNITS	309
STR-1097-1996-FR	ELECTRICITY PRODUCTION FROM DRINKING WATER SUPPLY SYSTEMS IN MOUNTAIN AREAS	336

Exhibition-Stand

DIS-0024-1995-IT	FOLLOW-UP OF THE PHOTOVOLTAIC ACTION AND PROMOTION OF PV TECHNOLOGY IN THE THIRD COUNTRIES	7
DIS-0030-1995-DE	PRESENTATION OF THE EUROPEAN COMMISSION AT PROMOTIONAL EVENTS - JOULE/THERMIE- INFO-STAND	9
DIS-0077-1995-FR	THERMIE STAND IN THE "FOIRE INTERNATIONALE DE BORDEAUX" AND CONFERENCE ON EFFICIENT AND CLEAN TECHNOLOGIES	22
DIS-0083-1995-DE	EXHIBITION STAND AT THE ISES SOLAR WORLD CONGRESS IN HARARE ZIMBABWE 9-16 SEPTEMBRE 1995	24
DIS-0109-1995-GB	EXHIBITION STAND AT PAPEX 95	31
DIS-0135-1995-GB	OFFSHORE TECHNOLOGY CONFERENCE (OTC) 1-4 MAY 1995 HOUSTON, USA	43
DIS-0136-1995-GB	EAEG/EAPG TECHNICAL EXHIBITION 30 MAY/2JUNE 1995, GLASGOW, UK	44
DIS-0137-1995-GB	OFFSHORE EUROPE EXHIBITION 5-8 SEPTEMBER 1995, ABERDEEN, UK	45
DIS-0138-1995-GB	OIL & GAS TYUMEN 13-17 NOVEMBER 1995, TYUMEN, WESTERN SIBERIA, RUSSIA	46
DIS-0187-1995-DE	THERMIE PHOTOVOLTAIC DISSEMINATION ACTIVITIES	64
DIS-0353-1995-FR	PROMOTION OF DG XVII'S PARTICIPATION IN WES - THE WORLD ENERGY SHOW TOKYO 8-12 OCTOBER 1995	111
DIS-0471-1995-GB	A THERMIE STAND AT THE ENVIRONMENTAL EQUIPMENT & MANAGEMENT EXHIBITION, APRIL 1996, UNITED KINGDOM	140
DIS-0714-1995-LU	REALIZATION OF A EC EXHIBITION STAND AND WORKSHOP AT THE RISTEK '96 INTERNATIONAL TECHNOLOGY FAIR IN JAKARTA	202
DIS-0840-1996-IE	PROMOTION OF THE THERMIE PROGRAMME AT THREE MAJOR EXHIBITIONS IN IRELAND AND THE UNITED KINGDOM	250
DIS-1015-1996-FR	OIL AND GAS TYUMEN EXHIBITION 96. NOVEMBER 1996, TYUMEN, RUSSIA	308
DIS-1085-1996-GB	IOCE, 29-31 OCTOBER 96, ABERDEEN, UK --- OMC, 19-21 MARCH 97, RAVENNA, ITALY	332
DIS-1086-1996-GB	OSEA'96, 24-27 SEPTEMBER 1996, SINGAPORE - RIO OIL & GAS EXPO 96, 13-17 OCTOBER 1996. RIO DE JANEIRO	333

DIS-1087-1996-GB	OFFSHORE TECHNOLOGY CONFERENCE, 6-9 MAY 1996. HOUSTON - USA.	334
SME-0139-1995-GB	OFFSHORE TECHNOLOGY CONFERENCE (O.T.C.) - 6-9 1996 - HOUSTON, USA	47
SME-0577-1995-DE	EXHIBITION STAND AT THE OIL & GAS INDIA EXHIBITION - NEW DELHI, INDIA - 1-4 NOV 1995	162
SME-0725-1996-NL	HOLLAND OIL AND GAS'96, 12-14 NOVEMBER 1996, AMSTERDAM, THE NETHERLANDS	208
SME-0886-1996-DE	CIOGE'96. EXHIBITION STAND/ WORKSHOP, 18-21 NOVEMBER 1996, BEIJING, CHINA	260
SUP-0541-1995-PT	HORIZONTAL TASKS - EXHIBITION STANDS IN HORIZONTAL AND SECTORIAL FAIRS	157

Training

DIS-0070-1995-FR	TRAINING OF ENERGY MANAGERS IN THE SERVICES OF LOCAL AUTHORITIES	18
DIS-0277-1995-GB	TRAINING PACKAGE FOR ELEC. INSTALLERS-TASK 3 OF PACKAGE OF ACTIONS TO PROMOTE ENERGY EFFICIENT LIGHTING IN BUILDING	94
DIS-0391-1995-AT	TRAINING COURSE - SOLAR WATER HEATING IN LATVIA - BALTIC STATES	121
DIS-0717-1995-PT	REDUCTION OF LATVIAN HOSPITALS ENERGY LOSSES	205
DIS-0730-1996-FR	DISSEMINATION PROGRAMME IN EUROPE FOR CHINESE ENGINEERS ON WASTE MANAGEMENT AND ENVIRONMENT PROTECTION DURING DRILLING	210
DIS-0788-1996-GR	PROMOTION OF ENERGY EFFICIENT TECHNOL. IN THE HIGH TEMPERATURE INDUSTRIES IN THE CENTRAL AND EASTERN EUROPEAN COUNTRIES	226
DIS-0823-1996-DK	IMPROVE FUNCTION/EFFICIENCY OF DISTRICT HEATING SUBSTATIONS BY TRAINING AND EDUCATING TECHNICIANS AND MAINTENANCE STAFF	245
DIS-0835-1996-FI	MANAGEMENT TRAINING AND TRAINING FOR DISTRICT HEATING SPECIALISTS IN MOSCOW	248
DIS-0915-1996-DE	PROMOTION AND DISSEMINATION OF INNOVATIVE EU ENERGY TECHNOLOGIES TO THE CZECH REPUBLIC AND SLOVAKIA	269
DIS-0925-1996-ES	UNESCO SUMMER SCHOOL 'SOLAR ELECTRICITY FOR RURAL AND ISOLATED AREAS'	271
DIS-0954-1996-DE	INTEGRATION OF EUROPEAN ENERGY SAVING TECHNOLOGIES IN HOSPITALS IN THE CZECH REPUBLIC AND SLOVAKIA BY DISSEMINATION	282
DIS-0958-1996-DE	DEVELOPMENT OF TRAINING PROGRAMMES FOR THE EDUCATION OF CRAFTSMEN AND PLANNERS IN TUNESIA	283
DIS-1122-1996-GB	SAFETY MANAGEMENT TRAINING FOR EAST EUROPEAN OIL AND GAS MANAGERS	345
SME-0075-1995-FR	DEVELOPEMENT OF SOLAR ENERGY IN DOMESTIC APPLICATIONS BY EXPERIENCE SHARING BETWEEN THREE REGIONS	20
SME-0121-1995-DE	PV DEMONSTRATION AND EDUCATION SYSTEM	38
SME-0248-1995-GB	DESIGN, PURCHASE AND USE A MOBILE TRAIN. WORKSHOP FOR TRAIN. SMES IN UK AND IE IN THE TECHN. AND OF ENERGY EFFICIENCY	84
SME-0383-1995-GB	PROVISION OF ENERGY RELATED TRAINING FOR SMES IN THE TEXTILE SECTOR	116
SME-0396-1995-BE	ORGANIS. OF TRAINING COURSES F. SMES IN TEXTILE INDUSTRY F. OPTIMISATION OF ENERGY CONS.	124
SME-0493-1995-GR	TECHNOLOGY STIMULATION FOR SMES IN THE TEXTILE SECTOR THROUGH SPECIALISED TRAINING COURSES	145
SME-0580-1995-DE	ENTERPRISE TRAINING : DESIGN AND EXEC. OF A TRAINING PROGR. WITHIN THE EXPERIMENTATION AND TRAINING CENTRE IN TENERIFE	163

STR-0620-1995-GB	THERMIE SUPPORT TO THAI ENCON PROGRAMME BY THAINING OF THE DEPARTMENT OF ENERGY DEVELOPMENT AND PROMOTION (DEDP)	177
STR-0828-1996-IT	CONSCIOUSNESS-RAISING OF LOCAL AUTHORITIES ON RENEWABLE ENERGIES IN OBJECTIVE 1 REGIONS	247
STR-1109-1996-FR	FORMATION DES ELUS À LA PROBLEMATIQUE ENERGETIQUE DANS UNE APPROCHE DE DEVELOPPEMENT DURABLE	341
SUP-0385-1995-GB	THE DEVELOPMENT OF ENERGY MONITORING & TARGET SETTING IN LATIN AMERICA	117
SUP-0882-1996-FR	TRAINING COURSES IN OIL UPSTREAM TECHNOLOGIES	259

Other Event

DIS-0150-1995-GB	IDENTIFICATION AND PREPARATION OF "BANKABLE" ENERGY EFFICIENCY PROJECTS FOR EBRD AND THE EU	50
DIS-0207-1995-IT	MARKETING GROUP ACTIVITY ON THIRD PARTY FINANCING (TPF)	72
DIS-0211-1995-IT	AN ITALIAN ESCO : HOW TO ACHIEVE IT?	73
DIS-0228-1995-ES	ORGANISATION OF TECHNICAL VISITS FOR UNESCO'S ANNUAL SUMMER SCHOOL	80
DIS-0320-1995-DE	EUROPEAN LECTURE SERIES ON CLEAN COAL TECHNOLOGIES.	106
DIS-0323-1995-GR	TECHNICAL FAIR ON ENERGY TECHNOLOGIES 18,19,20 SEPTEMBRE 1996 IRAKLIO, CRETE	108
DIS-0862-1996-IT	EXPERIMENTATION AND MONITORING OF TPF PROCEDURES ON A LIMITED SAMPLE OF REAL CASES (HOSPITAL AND SMES)	253
DIS-0972-1996-NL	MARKET INTRODUCTION SUPPORT OF PV-SYSTEMS FOR THE ELECTRIC PROPULSION OF BOATS	288
DIS-0981-1996-FR	RENEWABLE ENERGY IN AGRICULTURE AND FOR RURAL DEVELOPMENT FAIR "PLEIN CHAMPS" 13-15 SEPTEMBER 1996	292
DIS-0990-1996-ES	AUTOMOTIVE BATTERIES FOR SOLAR HOUSE SYSTEMS	294
DIS-1001-1996-ES	SOLID FUELS TELE-VIDEO CONFERENCE	300
DIS-1004-1996-FI	TO DISSEMINATE THE RESULTS OF LARGE INDUSTRIAL VENTILATION TECHNOLOGY PROGRAMMES TO END USERS AND OTHER DECISION MAKERS	302
DIS-1030-1996-GR	PROMOTION OF THE USE OF NATURAL GAS IN THE INDUSTRIAL SECTORS OF GREECE & PORTUGAL UTILISING THE EXPERIENCE OF SPAIN	312
DIS-1041-1996-IT	EE STREET LIGHTING: TOOL FOR RETROFIT ACTION PLANS PARTICULARLY TARGETED TO SMALL AND MEDIUM SIZE MUNICIPALITIES	318
DIS-1045-1996-DE	PHOENIX PV: DEVELOPMENT OF A READY-TO-IMPLEMENT PLAN FOR LARGE-SCALE DEPLOYMENT OF GRID-CONNECTED PV SYSTEMS	320
SME-0015-1995-DE	CREATION OF AN INTERNAL BIOMASS BOILER MARKET IN EUROPE	5
SME-0780-1996-PT	PROMOTION OF THE 96/97 JOULE-THERMIE CALL FOR PROPOSAL	222
SME-0910-1996-AT	THERMIE INFORMATION IN AUSTRIA AND BAVARIA (CONTINUATION OF THERMIE B PROJECT SME-0263-95-AT)	266
SME-0911-1996-DE	TRANSFER OF EUROPEAN UPSTREAM OIL AND GAS TECHNOLOGIES TO MERCOSUR	267
SME-0924-1996-ES	ENERGY MANAGERS GROUP : TRAINING AND DISSEMINATION OF EFFICIENT ENERGY TECHNOLOGIES	270
STR-0238-1995-PT	A GLOBAL ENERGY STRATEGY FOR ENERGY AND ENVIRONMENT FOR EXPO'98 EVALUATION OF THE ENERGY PERFORMANCE OF EXPO98 BUILDING	82

STR-0637-1995-ES	URBAN TECHNOLOGIES EUROPEAN FORUM TASK 2 : ORGANISATION OF THE EUROPEAN FORUM ABOUT URBAN TECHNOLOGIES	183
STR-0939-1996-GB	UNDERSTANDING THE RISKS OF FINANCING WIND FARMS	276
STR-1014-1996-ES	CLEAN COAL UTILISATION FOR ELECTRIC POWER GENERATION IN LATIN AMERICA	307
SUP-1040-1996-BE	COORDINATION OFFICE OF TARGETED DEMONSTRATION OF ENERGY TECHNOLOGIES IN THE TEXTILE-CLOTHING SECTOR	317
SUP-1141-1996-IT	HMC PROJECT	355

Audit-Assessment

DIS-0301-1995-GB	DEVELOP. OF STRUCTURE OF THE PERMANENT FORUM (EUFORES), SET-UP FOLLOWING MADRID CONFERENCE IN MARCH 1994	101
DIS-0715-1995-GB	PROMOTION OF EFFICIENT AND CLEAN COAL BOILERS (150KW) IN CENTRAL AND EASTERN EUROPE.	203
SME-0174-1995-FR	EUROMANAGEMENT	60
STR-0321-1995-DE	ENVIRO. IMPACT OF ENERGY TECHNOLOGIES IN MEDITERRANEAN COUNTRIES: STRATEGY DEVELOPMENT FOR AUDITING & TRAINING	107
STR-0755-1996-IT	BUILDING ENERGY LABELLING AND ENERGY TECHNOLOGIES: A SOLUTION FOR MARKET TRANSPARENCY	216
STR-0786-1996-PT	EVALUATION OF THERMIE DISSEMINATION ACTIONS WITHIN IBERIC PENINSULA COUNTRIES	225
SUP-0517-1995-ES	CONCERTED NETW. OF THERMIE BUILD. TARGETED PROJ. ON ENERGY AND ENVIR. ASSESSM. METH. AND TARGETED PROJ. DISS. ACTIONS	154

Study

DIS-0031-1995-DE	ANALYSIS OF MARKET POTENTIAL AND PRODUCTION OF COUNTRY RELATED HANDBOOKS SIMPLIFYING THE ERECTION OF BIOMASS COMBUSTION	10
DIS-0041-1995-DE	MARKET ANALYSIS, STRATEGY DEVELOPM. AND DISSEM. EFFORTS FOR SUPPORTING MARKET BREAKTHROUGH OF CNG IN SMALL VEHICLES	12
DIS-0059-1995-DE	TECHNICAL EVALUATION AND REGIONAL WORKSHOPS ON RUE IN THE WOOD WORKING AND WOOD PROCESSING INDUSTRY	16
DIS-0072-1995-FR	DEVELOPMENT STUDY OF THE SMALL COGENERATION IN FRANCE ACCORDING TO THE ACQUIRED EXPERIENCE IN UK, DK, DE, IT, ES	19
DIS-0091-1995-ES	PLAN TO PROMOTE THE USE OF NATURAL GAS IN PUBLIC TRANSPORT	27
DIS-0103-1995-LU	STRATEGY FOR THE DISSEMINATION OF INFORMATION OF THE UTILIZATION OF BIOMASS	30
DIS-0115-1995-FR	ANALYSIS OF MARKET SEGMENTS AND OF THE MARKET PENETRATION POTENTIAL OF INTEGRATED URBAN TRANSPORT SYSTEMS	34
DIS-0120-1995-BE	MARKET INTRODUCTION IN FLANDERS OF STORAGE OF WINTERCOLD FROM AMBIENT AIR IN AQUIFERS	37
DIS-0140-1995-GB	PROSPECTS FOR PETROLEUM EXPLORATION TECHNOLOGIES (GEOSCIENCES) MARKET STUDY	48
DIS-0154-1995-FR	ALTERNATIVE URBAN FREIGHT STRATEGIES	53
DIS-0182-1995-PT	MARKET FOR NATURAL GAS ENERGY TECHNOLOGIES	62

DIS-0183-1995-PT	PROMOTION OF USE OF COOLING STORAGE SYSTEMS	63
DIS-0216-1995-DE	PROGR. TO PROMOTE INNOVATIVE HVAC AND LIGHTING TECHNOLOGIES IN LARGE RETAIL BUILDINGS USING INNOVATIVE FINANCING METHODS	74
DIS-0223-1995-ES	MARKET STUDY OF ABSORPTION COOLING AND CHILLING TECHNOLOGIES FOR THE INDUSTRIAL SECTOR	78
DIS-0250-1995-GB	COORDINATION AND SUPPORT OF THE EUROPEAN COAL LIQUEFACTION ADVISORY GROUP	85
DIS-0297-1995-IT	IDENTIFICATION AND CENSUS OF GEOTHERMAL TECHNOLOGIES	100
DIS-0344-1995-FR	PROMOTION OF EUROPEAN ENERGY TECHNOLOGIES IN JAPAN	110
DIS-0405-1995-FR	ENERGY MANAGEMENT AND PROMOTION OF WOOD FUEL IN POLAND	128
DIS-0450-1995-EU	PV INFORMATION SYSTEM FOR ARCHITECTS (PISA)	136
DIS-0463-1995-NL	SEASONAL THERMAL STORAGE IN EUROPE	139
DIS-0486-1995-IT	MINI-HYDRO GENERATION IN URBAN AND SUBURBAN AREAS. ASSESSMENT STUDY OF POTENTIAL SITES AND CONDITIONS FOR IMPLEMENTATION	142
DIS-0506-1995-GB	EUROPEAN CO-COMBUSTION OF COAL, BIOMASS AND WASTES	147
DIS-0601-1995-PT	STRATEGY FOR THE PROMOTION OF ENERGY EFFICIENT TECHNOL. MATCHING WITH ISLANDS AND ULTRA-PERIPHERAL REGIONS SPECIFITIES	172
DIS-0655-1995-PT	STRATEGY FOR RURAL ELECTRIFICATION IN PROTECTED AREAS IN THE STATE OF PARA (AMAZONIA, BRAZIL)	188
DIS-0699-1995-AT	A STRATEGY FOR THE PROMOTION OF THIRD PARTY FINANCING AND THE CREATION OF ENERGY SERVICE COMPANIES IN SLOVAKIA	191
DIS-0700-1995-FR	STRATEGY FOR MARKET PENETRATION OF BIOCLIMATIC, WIND AND SOLAR TECHNOL. IN PALESTINE (JERICHO, GAZA STRIP AND WEST BANK)	192
DIS-0702-1995-ES	PROSPECTS FOR THE USE OF RENEWABLE ENERGY SOURCES IN THE ANTIOQUIA REGION OF COLOMBIA (STAGE 1)	194
DIS-0707-1995-GB	CO-OP. WITH INTERNATIONAL ORGANISATIONS IN RE ENERGY DEVELOPMENT FOR RURAL ELECTRIFICATION IN SOUTHERN AFRICA	198
DIS-0708-1995-GB	RENEWABLE ENERGY INFORMATION NETWORK FOR SOUTHERN AFRICA (PHASES 1 & 2 - ACTION PLAN AND ESTABLISHMENT)	199
DIS-0709-1995-DE	MARKETING STRATEGIES TO OPEN THE ASIAN MARKET FOR EUROPEAN TECHNOLOGIES IN THE RES-FIELD INCLUDING PARTIC. IN INEX'96	200
DIS-0716-1995-PT	STUDY ON THE INTEGRATION OF THE GAS MARKET IN LATIN AMERICA AND THE CARIBBEAN.	204
DIS-0741-1996-GB	INFORMATION DISSEMINATION TO PALESTINIAN INDUSTRY OF EC MEMBER STATES' CLEAN & ENERGY EFFICIENT TECHNOLOGIES	214
DIS-0931-1996-GR	INVESTMENT GUIDE FOR THE ENERGY SECTOR IN BALKAN COUNTRIES. PART II: BULGARIA	273
DIS-0944-1996-FR	ASSESSMENT OF TRANSPORT ENERGY SAVING THROUGH TELECOMMUTING	279
DIS-1038-1996-IE	TO PROMOTE THE USE OF GEOTHERMAL ENEGY FROM PROVEN AQUIFERS AND MATCH THIS ENERGY TO EXISTING OR POTENTIAL HEAT USERS	316
DIS-1054-1996-ES	MANAGEMENT OF WASTE & BY-PRODUCTS IN SPANISH CEMENT KILNS	323
DIS-1060-1996-GB	PROMOTION OF RENEWABLE ENERGY SOURCES IN SOUTH-EAST ASIA (PRESSEA)	324
DIS-1124-1996-GB	IDENTIFICATION AND PREPARATION OF BANKABLE RUE/RES PROJECTS FOR THE EUROPEAN INVESTMENT BANK	347

SME-0112-1995-NL	FLO-ICE AND BINARY ICE TECHNOLOGY AS WORKING FLUIDS	33
SME-0116-1995-PT	BUSINESS COOPERATION FOR WINDFARM DEVELOPMENT IN PORTUGAL	35
SME-0263-1995-AT	INTEGRATION OF AUSTRIA IN THE EUROPEAN ENERGY TECHNOLOGY MARKET IN COLLABORATION WITH BAVARIA	91
SME-0394-1995-ES	ACTIONS FOR STRONG INVOLVEMENT FOR SME IN THERMIE IN THE MEDITERRANEAN COUNTRIES : ASSIST MED.	123
SME-0458-1995-GB	SELECTION OF TECHNOLOGIES AND INNOVATIONS REQUIRED FOR THE RESTORATION OF 5 HISTORIC WATERPOWER SITES IN THE UK (TASK 1)	138
SME-0507-1995-GB	ANALYSIS OF EXPORT CONSTRAINTS AND OPPORTUNITIES FOR EUROPEAN SMALL SCALE HYDRO EQUIPMENT MANUFACTURERS	148
SME-0525-1995-DE	PROG. FOR THE DISSEMIN. OF SOLAR THERMALLY SUPPORTED ENERGY SERVICE SYSTEMS FOR HEAT AND AIR-CONDITIONING IN BUILDING	156
SME-0549-1995-GR	IMPLEMENTATION STUDY FOR THE USE OF NATURAL GAS AS AUTOMATIVE FUEL IN GREECE AND PORTUGAL	159
SME-0581-1995-GB	LOW-HEAD HYDRO-TASK A. DISSEMINATION OF HYDROSOFT: A SOFTWARE TOOL FOR THE RAPID EVALUATION OF LOW-HEAD HYDRO SITES	164
SME-0635-1995-DE	TOOLS FOR THE DISSEMINATION AND REALISATION OF RUE IN SMES	181
SME-0670-1995-GB	EXPLORATORY STUDY OF THE MARKET PLACE FOR ELECT. GEN. FROM BIOMASS IN N. IRELAND	190
SME-1127-1996-GB	STRATEGY AND EXCHANGE OF EXPERIENCE FOR THE DEVELOPMENT OF INDUSTRIAL INFRASTRUCTURE FOR WIND ENERGY IN ARGENTINA	350
STR-0038-1995-DE	INTENSIFIED CO-OPERATION WITH INTERNATIONAL FINANCING INSTITUTIONS	11
STR-0042-1995-DE	COMPARATIVE ANALYSIS OF ENERGY RTD PROGRAMMES AND MARKET OBSERVATION SYSTEMS IN THE 109US, JAPAN AND EUROPE	13
STR-0078-1995-FR	MAKE ENERGY TECHNOLOGIES KNOWN TO GENERAL PUBLIC	23
STR-0087-1995-DE	IMPACT OF ENERGY EFFICIENT TECHNOLOGIES FOR URBAN TRANSPORT AND URBAN TRANSPORT MANAGEMENT SYSTEMS	25
STR-0122-1995-GB	SUPPORT FOR THE DEVELOPMENT OF AN ENERGY RTD STRATEGY	39
STR-0194-1995-DK	STRATEGY FOR THE DISSEMINATION OF WIND ENERGY IN EUROPE.	67
STR-0239-1995-DK	PREPARATION OF ENERGY TECHNOLOGY TRANSFER AND COORDINATION OF INFORMATION DISSEMINATION IN THE BALTIC SEA REGION	83
STR-0259-1995-GR	PROMOTION AND COOPERATION IN THE FIELD OF THERMIE ACTIVITIES WITH THE BALKAN COUNTRIES	88
STR-0294-1995-FR	DEFINITION OF STRATEGIES FOR THE DISSEMINATION ENERGY EFFICIENT TECHNOLOGIES FOR BUILDING RETROFITTING IN URBAN AREAS	99
STR-0397-1995-FR	EVALUATION OF THE EFFICIENCY FACE TO THE NOX. EMISSIONS FROM EUROPEAN GAS-FIRED HEAT-PROCESS EQUIPMENT	125
STR-0416-1995-SE	IMPLEMENTATION OF ENERGY EFFICIENCY AND RENEWABLE ENERGY TECHNOLOGIES IN EASTERN EUROPE AS A EUROPEAN ENVIRONM.STRATEGY	130
STR-0429-1995-DE	PV-DISSEMINATION STRATEGY GROUP	132
STR-0449-1995-NL	A GLOBAL VIEW TO THE OIL&GAS SUPPLY IND.: INTERACTION BETWEEN TECHN., ECON. AND POLICY	135
STR-0483-1995-DE	POSSIBILITIES OF MUNICIPALITIES TO ACHIEVE ENVIRONMENTALS IN THE ENERGY SECTOR.TECH,INNOVATION, ENVIRO. LOAD REDUCTION	141

STR-0489-1995-GR	A STRATEGY FOR ENERGY AND ENVIRONMENT IN THE MEDITERRANEAN HOTEL SECTOR	143
STR-0497-1995-GB	LIFE-CYCLE ENVIRONMENT IMPACT ASSESSMENT OF THERMIE PROGRAMME (1990-1994)	146
STR-0508-1995-GB	FUEL CELL DEMONSTRATION IN EUROPE-A PERSPECTIVE FROM POTENTIAL USERS	149
STR-0516-1995-GB	TRANSPORT MARKETING GROUP	153
STR-0519-1995-GB	ANALYSING RTD STRATEGY	155
STR-0557-1995-FR	INTEGRATED STUDY FOR THE PROMOTION OF ABSORPTION TECHNOLOGY FOR REFRIGERATION	161
STR-0599-1995-PT	STRATEGY FOR A POLICY OF DEVELOP., DEMONSTR. AND DISSEMINATION OF ENERGY EFFICIENT TECHNOLOGIES IN PORTUGAL AND SWEDEN	170
STR-0603-1995-NO	COST EFFICIENCY IN A NEW ERA WITH NEW TECHNOLOGY (CENET)	173
STR-0636-1995-ES	URBAN TECHNOLOGIES EUROPEAN FORUM TASK 1 : IDENTIFICATION AND ANALYZE OF THE ART OF URBAN TECHNOLOGIES	182
STR-0640-1995-FR	NORTH SEA OIL & GAS PRODUCTION OUTLOOK	184
STR-0723-1995-DK	STRATEGY FOR THE DEVELOPMENT OF ADVANCED PULVERIZED COAL-FIRED POWER PLANTS (700°C)	207
STR-0732-1996-ES	MARKET STUDY ON PV APPLICATIONS IN BUILDINGS IN THE SOUTH OF EUROPE	211
STR-0752-1996-FR	IDENTIFICATION OF NON-TECHNOLOGICAL OBSTACLES TO THE DEVELOPMENT OF BIOCLIMATIC TECHNOLOGIES IN THE MEDITERRANEAN REGION	215
STR-0758-1996-GB	FEASIBILITY OF A DEVELOPMENT CAPITAL FUND FOR BIOMASS	217
STR-0759-1996-GB	MARKET ASSESSMENT AND EXPORT STRATEGY FOR WIND ENERGY TECHNOLOGY IN INDIA	218
STR-0782-1996-PT	A GLOBAL STRATEGY FOR ENERGY AND ENVIRONMENT FOR EXPO' 98	223
STR-0785-1996-GB	INFORMATION DISSEMINATION FOR EU ENERGY EFFICIENT TECHNOLOGIES IN AFRICA INDUSTRY	224
STR-0871-1996-GB	RENEWABLE ENERGY SOURCES FOR RURAL ELECTRIFICATION IN SOUTH AFRICA	258
STR-0892-1996-IE	ENERGY CONSERVATION IN TRANSNATIONAL INTERMODAL FREIGHT TRANSPORT	262
STR-0904-1996-AT	MARKET STUDY "BIOMASS TANK - AN INNOVATIVE DISTRIBUTION SYSTEM"	264
STR-0909-1996-ES	UNDERGROUND COAL GASIFICATION -DISSEMINATION OF RESULTS OF EXISTING PROJECT AND FORMULATION OF FUTURE PROGRAMME	265
STR-0938-1996-GR	PHOTOVOLTAICS MARKETS IN THE MEDITERRANEAN -ASSESSMENT OF POTENTIAL AND BARRIERS, ACTION PLAN FOR DEVELOPMENT	275
STR-0996-1996-NL	THE NORM PROBLEM IN THE OIL AND GAS INDUSTRY: TOWARDS A EUROPEAN POLICY PERTAINING TO THE TREATMENT OF RADIOACTIVE WASTE	297
STR-1029-1996-GB	THE POLITICAL ECONOMY OF NEW OIL AND GAS TECHNOLOGY IN THE COST REDUCTION ERA.	311
STR-1033-1996-ES	MARKET POTENTIAL AND FEASIBILITY STUDY ABOUT THE USE OF SUBMERGED COMBUSTION IN THE TANNING INDUSTRY	313
STR-1051-1996-FR	ANALYSIS OF REGIONAL MARKETS FOR AIR CONDITIONING TECHNOLOGIES IN THE TERTIARY SECTOR	322
STR-1062-1996-GB	ASSISTING THE EU RENEWABLE ENREGY INDUSTRY TO COMPETE INTHE WORLD MARKET	325
STR-1064-1996-PT	ELECTRICAL INTERCONNECTION OF LATIN AMERICA AND THE CARIBBEAN	326

STR-1077-1996-ES	EVALUATION OF THE POTENTIAL OF TECHNOLOGIES FOR NATURAL GAS IN THE CHILEAN MARKET AND OF THE MOST APPROPRIATE STRATEGIES	328
STR-1078-1996-DE	MOBILISING EXISTING FINANCIAL STRUCTURES IN INDIA AS A MEANS OF STIMULATING THE MARKET IN PV TECHNOLOGIES	329
STR-1083-1996-ES	FINANCING MECHANISMS AND MARKET POTENTIAL FOR THE EXPLOITATION OF RES	331
STR-1101-1996-DE	TOWARDS AN EUROPEAN LOW ENERGY STANDARD IN EXISTING BUILDINGS	338
STR-1121-1996-GB	EUROPEAN ACTION PLAN FOR THE IMPLEMENTATION OF THE CARNOT PROGRAMME	344
STR-1123-1996-GB	DETAILED MODELING OF THE PRIORITY OF INDUSTRIAL ENERGY EFFICIENCY TECHNOLOGIES FOR EUROPE	346
STR-1125-1996-GB	A STUDY OF MARKET CONSTRAINTS ON THE DEVELOPMENT OF POWER FROM BIOMASS	348
STR-1149-1996-GB	THE ROLE OF M&T AND TPF IN FURTHERING EU AND WORLD BANK ENERGY TECHNOLOGY INVESTMENTS IN SLOVAKIA	356
SUP-0180-1995-NL	ADM. SUPPORT AND COORD. OF DATABASES, MODELLING AND OTHER METHODS/TOOLS FOR DISSIMINATION	61
SUP-0409-1995-NO	DEVELOPMENT OF INDUSTRIAL ENERGY EFFICIENCY NETWORK IN AUSTRIA, GREECE, PORTUGAL AND SPAIN. ACCEPTED PROPOSAL WITH N 394	129
SUP-0443-1995-GB	BARRIERS TO ENERGY ACTION IN SMES IN THE UK, BE AND GR AND TO PROVIDE A METHODOLOGY FOR SOLVING THESE PROBLEMS IN THE EU	134
SUP-0451-1995-ES	DESIGN AND PILOT IMPLM. OF TRAINING PROJECT ON NEW & RENEW. ENERGY TECHN. FOR INSTALLERS AND NON-QUALIFIED WORKMEN	137
SUP-0811-1996-FR	DEVELOPMENT OF DECENTRALISED RURAL ELECTRIFICATION	238
SUP-0838-1996-BE	ENVIRONMENTAL IMPACT OF NEW AND EXISTING COGEN. TECHNOLOGIES -A STUDY FOR THE EU AND SELECTED EAST EUROPE	249

Publication

DIS-0017-1995-DE	HANDBOOK "ENERGY TECHNOLOGIES" - PART 2	6
DIS-0027-1995-ES	PREPARATION OF CLEAN COAL TECHNOLOGY NEWSLETTERS	8
DIS-0069-1995-FR	SOCIAL HOUSING AND ENERGY TECHNOLOGIES : A SOLUTION FOR SOCIAL COHESION	17
DIS-0117-1995-NL	DISSEMINATION OF LANDFILL GAS UTILISATION	36
DIS-0162-1995-BE	PREPARATION AND DISSEMINATION OF A MAXIBROCHURE TO PROMOTE BIOCLIMATIC ARCHITECTURAL DESIGN	55
DIS-0164-1995-GB	PRODUCTION OF THE THERMIE COGENERATION NEWSLETTER	56
DIS-0226-1995-ES	THE OPERATION OF UNESCO MEDITERRANEAN SOLAR COUNCIL	79
DIS-0278-1995-GB	IAEEL LIGHTING NEWSLETTER AND ARTICLES IN PROFESSIONAL PRESS - TASK 4 OF PACKAGE OF ACTIONS TO PROMOTE ENERGY EFFICIENT	95
DIS-0302-1995-GB	SUPPORT FOR THE PRODUCTION OF THE EUFORES NEWSLETTER	102
DIS-0314-1995-FR	PUBLISHING A WOOD-FUEL NEWSLETTER IN ENGLISH/FRENCH/GERMAN	104
DIS-0332-1995-ES	DISTRIBUTION OF CLEAN COAL TECHNOLOGIES NEWSLETTERS NO. 5,6 ON SOLID FUELS RELATED INFORMATION	109
DIS-0358-1995-GB	THERMIE-ALTENER RENEWABLE ENERGY JOURNAL	112

DIS-0393-1995-BE	BIOMASS GASIFICATION TARGETED PROJECTS NEWSLETTER	122
DIS-0403-1995-GR	ORGANIZATION OF A SEMINAR ON E.O.R. IN ALBANIA	127
DIS-0435-1995-DE	DISSEMINATION ACTIVITIES FOR THERMIE SOLID FUEL PROJECT.	133
DIS-0610-1995-IT	INSULATING MATERIALS IN THE BUILDING SECTOR : AN "INTELLIGENT" GUIDE	175
DIS-0735-1996-GB	RENEWABLE ENERGY TECHNOLOGIES EXPORT MARKETS SUMMARIES	213
DIS-0761-1996-ES	RENEWABLE ENERGY YEARBOOK 96	220
DIS-0789-1996-GB	EUROPEAN CONFERENCE ON URBAN TRANSPORT, ENERGY AND INTERMODALITY	227
DIS-0815-1996-NL	PUBLICATION OF A NEWSLETTER FOR DISSEMINATION OF INFORMATION DIRECTLY TO ENGINEERS ABOUT ENERGY-CONSERVING DESIGN.	240
DIS-0819-1996-PT	POTENTIALITIES FOR EU SOLAR TECHNOLOGIES IN CABO VERDE	242
DIS-0824-1996-FR	METHODS TO IMPROVE THE FLEETS MAINTENANCE POLICY (BROCHURE)	246
DIS-0858-1996-FR	SAGITTAIRE B	252
DIS-0887-1996-DE	COLLECTION OF DATA ON FUEL CELL APPLICATIONS IN ENERGY SUPPLY AND WARRANTY OF OPTIONAL AVAILABILITY OF THESE DATA	261
DIS-1013-1996-ES	INTEGRATION OF SOLAR COMPONENTS IN BUILDINGS	306
DIS-1021-1996-DE	INFORMATION PACKAGE:LOW-ENERGY HOUSING (LEH)-EXPERIENCES OF THERMIE AND OTHER PROGRAMMES CONCERNING LEH	310
DIS-1035-1996-GB	BOOKLET ON SOLAR THERMAL ELECTRICITY	314
DIS-1042-1996-ES	PREPARATION OF 5 SECTIONS OF THE "CLEAN COAL TECHNOLOGIES HANDBOOK"	319
DIS-1107-1996-BE	RUBENS, RATIONAL USE BUILDING ENERGY NEW SYSTEMS EUROPEAN CONSULTING ENGINEERING NETWORK, EUROPEAN ECONOMIC INTEREST	339
DIS-1126-1996-GB	DISSEMINATION OF TARGETED PROJECT EC 2000 TO THE NON DOMESTIC SECTOR. ACTION 3: TECHNICAL DOSSIERS	349
SME-0492-1995-GR	TECHNOLOGY STIMULATION FOR SMES IN THE TEXTILE INDUSTRY THROUGH THE PRODUCTION OF A TARGETED PUBLICATION	144
SME-0979-1996-GB	SUPPLY CHAIN EUROPE	291
STR-0127-1995-GB	EUROPEAN UNION OIL AND GAS SME DIRECTORY (THIRD EDITION)	41
STR-0128-1995-GB	EUROPEAN DEMONSTRATION PROJECT INVENTORY (THIRD EDITION)	42
STR-0234-1995-ES	TRAINING AND DISSEMINATION ACTIVITIES IN LATIN AMERICA (TASK V)	81
STR-0253-1995-GB	ENVIRONMENTAL ACCEPTABILITY OF RENEWABLE ENERGY TECHNOLOGY (PHASE 2&3)	86
STR-0261-1995-GR	ENVIRONMENTAL IMPACTS IN THE COST BENEFIT ASSESSMENT OF MODERN ENERGY TECHNOLOGIES	89
STR-0359-1995-GR	PRODUCTION OF THE SECTORIAL CATALOGUES OF THE THERMIE SECTORS	113
STR-0621-1995-DE	RENEWABLE ENERGY : A BUSINESS FIELD FOR REGIONAL AND LOCAL ENERGY SERVICE COMPANIES	178
STR-0622-1995-FI	INTERACTIVE PROMOTION OF ENERGY TECHNOLOGIES BETWEEN FINLAND AND OTHER EU-COUNTRIES AND TO ESTONIA.	179
STR-0720-1995-FR	MARKET STRATEGIES FOR EUROPEAN SOLAR TECHNOLOGIES IN CHINA	206
STR-0994-1996-DE	INFLUENCE OF THE EUROPEAN ECO-MANAGEMENT AND AUDIT SCHEME ON THE ENERGY EFFICIENCY OF SMES	295

STR-1000-1996-GR	ENVIRONMENTAL IMPACTS FROM THE USE OF RENEWABLE ENERGY TECHNOLOGIES	299
STR-1137-1996-ES	PROMOTION OF TECHNOLOGIES FOR THE RATIONAL USE OF ENERGY IN THE HEAVY CLAY SECTOR OF UKRAINE	354
SUP-0006-1995-BE	IREN. INTERSERVICE RENEWABLE ENERGIES NEWSLETTER	3
SUP-0198-1995-GB	DISSEMINATION OF THE RESULTS OF THE TRANSPORT TARGETED PROJECTS	69
SUP-0940-1996-GR	DESALINATION WITH RENEWABLE ENERGIES IN THE MEDITERRANEAN.	277
SUP-0995-1996-ES	UNIVERSAL STANDARD FOR SOLAR HOUSE SYSTEMS	296

Electronic Catalogue

DIS-0007-1995-GR	COMMERCIALISATION OF THE SESAME DATA-BASE	4
DIS-0161-1995-BE	PRODUCTION OF A CD ROM ON BIOCLIMATIC ARCHITECTURE	54
DIS-0817-1996-FR	THE COMBINED TRANSPORT IN EUROPE (VIDEO MOVIE)	241
DIS-0820-1996-PT	ELABORATION AND PRODUCTION OF AN ACTIVE DATA BASE OF FINANCIAL INSTRUMENTS FOR ENERGY TECHNOLOGIES IN THE EUROPEAN UNION	243
SME-0003-1995-BE	PRODUCTION OF A SME- AND SMO- ORIENTED CD-ROM ON ENERGY FROM BIOMASS AND WASTE	1
SME-0792-1996-BE	PRODUCTION OF MULTIMEDIA, INTERACTIVE, SME ORIENTED CD-ROM ON WIND ENERGY TECHNOLOGIES	229

Other Delivery Based

DIS-0189-1995-IE	PROMOTION OF ENERGY TECHNOLOGIES IN THE BUILDING SECTOR, BASED ON SUCCESSFUL THERMIE PROJECTS	65
DIS-0201-1995-IT	MARKETING GROUP ACTIVITY BRICK AND TILE SECTOR	70
DIS-0305-1995-GR	FORMULATION AND IMPLEMENTATION OF AN EFFECTIVE SOLAR THERMAL TECHNOLOGIES DISSIMINATION STRATEGY	103
DIS-0512-1995-NL	NOX-ABATEMENT TECHNOLOGY FOR COMBINED HEAT AND POWER	150
DIS-0513-1995-NL	INTERNATIONAL SYMPOSIUM ON GAS EXPANSION	151
DIS-0650-1995-PT	STRATEGY FOR HYDROCARBONS AND R.U. E. IN PHILIPPINES	186
DIS-0863-1996-IT	STUDY FOR THE ELABORATION OF TPF CONTRACTUAL MODELS AND THEIR DISSEMINATION STRATEGY	254
DIS-0864-1996-IT	THREE REGIONAL WORKSHOPS ON TPF : AN INNOVATIVE FINANCIAL TOOL FOR ENERGY SAVING PROJECTS IN THE HOSPITAL SECTOR	255
DIS-0898-1996-GR	MEDITERRANEAN ENERGY INFORMATION NETWORK	263
DIS-0974-1996-IE	A MULTIMEDIA INFORMATION AND TRAINING PACKAGE FOR THE PROMOTION OF RATIONAL USE OF ENERGY	289
DIS-0976-1996-IE	ENERGY EFFICIENCY SHORT COURSE SERIES ON THE WORLDWIDE WEB/INTERNET	290
DIS-1007-1996-DE	EUROPEAN NETWORK ON HEAT PUMPING TECHNOLOGIES	305
SME-0055-1995-SE	SOLAR HEATING IN NORTHERN AND CENTRAL EUROPE	15

SME-0514-1995-NL	DISSEMINATION OF THE RESULTS OF SUCCESSFUL INDUSTRIAL EC DEMONSTRATION PROJECTS IN INDUSTRY, ESPECIALLY SME'S	152
SME-0544-1995-IE	ASSIST : ACTIONS TO STIMULATE STRONGER INVOLVEMENT OF SMES IN THERMIE	158
SME-0658-1995-FR	EC. ENERGY CENTRE TYUMEN	189
SME-0760-1996-ES	ACTION FOR STRONG INVOLVEMENT OF SMES IN THERMIE IN THE MEDITERRANEAN COUNTRIES : ASSIST MED	219
SME-0791-1996-DE	EUROPEAN UPSTREAM GAS TECHNOLOGY, VIENNA, AUSTRIA, JANUARY 1997	228
SME-1037-1996-ES	PROMOTION OF ENERGY EFFICIENCY IN THE INDUSTRIAL BAKERY SECTOR	315
SME-1108-1996-DE	INCREASING CHANCES OF SMES FOR SUCCESSFUL SUBMISSION OF THERMIE PROPOSALS	340
STR-0151-1995-GB	PREPARATION OF ENERGY TECHN. TRANSFER TO UKRAINE AND BELARUS	51
STR-0202-1995-IT	THE ENERGY USE OF WASTES IN THE BRICK INDUSTRY	71
STR-0219-1995-DE	PREPARATION OF ENERGY TECHNOLOGY TRANSFER TO RUSSIA	76
STR-0284-1995-FR	MARKETING GROUP FOR THE FOUNDRY SECTOR	97
STR-0293-1995-FR	MARKETING GROUP ENVELOPE AND INTEGRATION	98
STR-0315-1995-FR	CREATING AND LEADING A MARKETING GROUP OF WOOD-FUEL BODIES	105
STR-0587-1995-DK	EUROPEAN NETWORK FOR RATIONALISATION OF URBAN TRANSPORT AND ENERGY E.N. R.O.U.T.E.	168
STR-0623-1995-FI	DISSEMINATION OF THERMIE AND COORDINATION OF OTHER EU ENERGY ACTIONS IN FINLAND AND IN THE EU MEMBER STATES.	180
STR-0801-1996-GB	BANKABLE ENERGY EFFICIENCY PROJECTS FOR EBRD	235
STR-0804-1996-NL	PREPARATORY ACTION FOR DEMONSTRATION OF AN ENERGY IMPACT KNOWLEDGE BASED SYSTEM (EIKS)	236
STR-0946-1996-IT	ENERGY EFFICIENCY IN ITALIAN HOSPITALS	280
STR-1006-1996-FR	"ECO-CAMPUS" ENERGY ENVIRONMENT NETWORK OF EUROPEAN UNIVERSITIES AND RESEARCH CENTRES.	304
STR-1111-1996-FR	INTEGRATION OF ENERGY EFFICIENT EQUIPMENT IN TENDER DOCUMENTS OF PUBLIC SECTOR	342
SUP-0125-1995-GB	STRATEGIC AND TECH. SUPPPORT IN THE HC SECTOR-COLLABORATION WITH OPET NETWORK FOR PROMOTION/DISS/SUP FOR THIRD COUNTRIES	40
SUP-0195-1995-DK	IMPROVED COST-EFFECTIVE USE OF THE SKILLS AND EXPERIENCE AVAILABLE IN DK,SE, FI, (AND NO) FOR ENERGY TECHN. TO ALL SECT	68
SUP-0217-1995-DE	CONDUCT INQUIRIES AT FAIRS AND EXHIBITIONS TO WORK OUT A GUIDE FOR THE IMPROVEMENT OF THERMIE EXHIBITION PRESENTATIONS	75
SUP-0367-1995-EU	DEVELOPMENT OF THE GUIDELINES, EFFECTIVENESS ASSESSMENTS AND COMMUNICATIONS FOR DISSEMINATION TOOLS	114
SUP-0584-1995-FR	ENERGY CONTROL DYNAMIZATION IN THE SOCIAL MOVEMENT	166
SUP-0997-1996-ES	COMPREHENSIVE GUIDANCE AND RESULT DISSEMINATION OF INTEGRATED TARGETED PROJECTS IN THE BUILDING SECTOR	298



PRODUCTION OF A SME- AND SMO- ORIENTED CD-ROM ON ENERGY FROM BIOMASS AND WASTE

RES**BM**

Action Nr: SME-0003-1995-BE

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

To provide, in a multimedia format, technical, economical, practical information related to the production of biogas from waste and waste water treatments. Information which is scattered on different media (books, papers, proceedings, videos, films, brochures, etc.) collected by the experts working in this action, has been selected, updated and organised in order to compose a presentation system easy to consult, complete and accessible to specialised and non-specialised users, featuring a practical multilingual access.

Description

For the preparation of the CD-ROM, the experts (both sector experts and information technology experts), do notably the following :

- provide basic necessary data and collect complementary data,
- evaluate the interest of the collected data and select useful section for the CD-ROM,
- rewrite and summarise all of the texts, for clear and fast understanding of the sector technologies,
- do an in depth research of illustrative material and compose technical drawings and animations,
- compose a complex author software to provide a fast multilinked, interactive consultation support.

The CD-ROM covers :

- extended general information covering all the available technologies and general useful data concerning the sector; existing state-of-the-art and advanced technologies, selection of parameters and information for decision makers, as well as first approach and guidance for a specific technology,
 - hundreds of illustrated case studies an example projects including all EU supported projects,
 - an extended directory of companies, experts, associations, suppliers lists and list of information centres,
 - a databank with peripheral information (statistics, publications, thesaurus, conversions, etc.),
 - navigation tools allowing full-text retrieval, text-to-speech, choice of path, keyword translations & definitions
- media gallery gathering hundreds material : photos, videos, diagrams, etc.,
- visual information has been favoured in order to reduce any possible language barriers.

Achieved Results

The CD-ROM was issued in October 1997, with a delay due to the experimental pioneering work of such a complex software to allow the enormous amount of data to be accessible throughout the CD-Rom featuring massive illustrative data with fast response on older generation computers.

The collecting of large amount of information particularly from suppliers (not always ready to respond) has been a very heavy task.

The experience of composing scientific and technical information in an attractive, compact, "speed-reading" and illustrated way is innovative at this level of complexity and quantity.

The CD-ROM contains :

- more than 4800 user friendly screens, fully illustrated; more than 1000 photographs; 40 videos sequences covering 45 minutes; 120 specially composed technical drawings; 60 animations; many statistical graphs, diagrams etc.; more than 400 case studies; more than 500 entries in an international directory of the sector, an exhaustive list of publication and references; a database of 20000 publications on the subject from all over the world; a glossary in 7 languages; EU directives and Programmes; conversions, formulas and symbols; titles, keywords + definitions and menus are multilingual.

This CD-ROM has been conceived as a consultation and working tool enterprises in search of energy solutions, and all people interested in using Biogas as renewable energy.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support:	135.000 ECU	Eligible cost:	200.000 ECU
-------------	-------------	----------------	-------------

Contact

Co-ordinator: LIOR E.E.I.G.
Address: AVENUE DE WOLUWE ST LAMBERT 75
1030 BRUSSELS
BELGIQUE

Responsible: MONIQUE DEVAL
Tel: 32 2 657 53 00
Fax: 32 2 657 36 40
Email: Info@lior.be

Participants:

RENEWABLE ENERGIES: ONE FAIR TO ADVERTISE, 5 DAYS TO UNDERSTAND

RES
GEN

Action Nr: DIS-0004-1995-BE

Starting Date: 01-Jan-97

COMPLETED

Aims and objectives

- To raise the awareness concerning RES possibilities within the public and SME and for that :
- To organise an awareness fair for SME's and the public on renewable energies,
 - To organise in parallel 5 thematic days (1 theme = 1 day = 1 type of renewable energy),
 - To assess the impact of those manifestations for possible extension to other EU countries.

Business-Mission

Seminar

Workshop

Exhibition stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

RES Fair 'Journées des Energies Renouvelables' : 20-22/06/97 in Namur; EU stand (THERMIE/ALTENER) on various RES.

THEMATIC days: 22/5/97 Wind Energy at Bech, Luxembourg. The other 4 days were held at different places in the Walloon Region of Belgium, 20/06/97 Solar Thermal, 16/10/97 Wood Biomass, 12/12/97 Energy Valorisation of Municipal Solid Waste and 22/01/1998 Utilities and RES.

A special leaflet on hot water solar systems and a leaflet on wood energy are also prepared as a complementary tool for the promotion of these RES. The leaflet is used for the follow-up of the day and to reach interested persons who could not come to the RES day.

Achieved Results

The specific results depend on the subject of the thematic days. For example, by having a day for central heating installation engineers on solar thermal panels made them more aware of the market. The day with the utilities raised awareness/interest for an utility to go towards RES....

Possible investments in the technologies presented are anticipated if boundary conditions are satisfactory i.e. grants more easy to obtain etc.

Approx. 6000 persons visited the "Journées des Energies Renouvelables". A large number of Thermie publications was disseminated during and after the fair. The exhibitors were satisfied by the public affluence and the contacts made.

The public that attended the wood biomass day was the target public : the local communities. A follow-up is organised to build-up on the results of that workshop.

Every day got a very good participation and interest from the participants. The level of participation was in fact significantly higher than anticipated.

A long term assessment will be necessary to know the real impact of those manifestations.

Finance

EU Support:	100.000 ECU	Eligible cost:	225.000 ECU
-------------	-------------	----------------	-------------

Contact

Co-ordinator: INSTITUT WALLON / ENERGIUM 2000
Address: BD. FRÈRE ORBAN, 4
5000 NAMUR
BELGIQUE

Responsible: FRANCIS GHIGNY
Tel: 081 25 04 80
Fax: 081 25 04 90
Email: iwallon@skypro.be

Participants: AGENCE DE L'ENERGIE
ENERGY CENTRE DENMARK

LUXEMBOURG
DANMARK

Action Nr: SUP-0006-1995-BE

Starting Date: 03-Jun-96

ONGOING

Aims and objectives

To collect information from parties involved and using this material to publish a complete, concise, efficient and up-to-date bulletin : the « INTERSERVICE RENEWABLE ENERGIES NEWSLETTER » « I.R.E.N. » will :

- report on all activities related to RES within the Commission,
- be distributed to all Commission Services and collaborators involved in RES.

Description

Information featured in the I.R.E.N. will be collected by a team of journalists directly from the Commission Services and elaborated in a coherent way for publishing purposes. Interviews with the people in charge of the different activities, will be carried out, in order to have some specific comments and/or explanations. I.R.E.N. will cover information on existing and new programmes and will be written in English and French. All information will be related exclusively to the Commission activities in Brussels, Luxembourg and Ispra and will be collected on the spot. The newsletter will be distributed to the relevant service and to external interested personnel free of charge, meeting a distribution list transmitted by DGXVII. The first newsletter will be produced 2 months after the signature of the contract, the second issue will be produced 4 months later and then subsequent issues will be produced quarterly.

Expected Results

Facilitate collaboration between the services and a better comprehension of possible synergies. Contribution to the transparency of the Commission's actions. Contribute to support a larger application of RES technology.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support:	85.000 ECU	Eligible cost:	94.700 ECU
-------------	------------	----------------	------------

Contact

Co-ordinator: EUROPE INFORMATION SERVICE
Address: RUE DE GENÈVE 6
1140 BRUSSELS
BELGIQUE

Responsible: MARC PAOLONI
Tel: 02/242 60 20
Fax: 02/242 95 49
Email:

Participants: C2M COMMUNICATION

FRANCE

Action Nr: DIS-0007-1995-GR

Starting Date: 01-Jul-95

COMPLETED

Aims and objectives

To improve the accessibility and user-friendliness of the SESAME-database in order to enlarge the number of users and the effectiveness of the database.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Description

Design of a central electronic database, capable of including all classified, and unclassified information about the THERMIE supported projects from 1975 to 1994. All available information for such projects will be included. In addition classifications for each project will be added as well as any available images such as photographs. Several types of queries have been set up which can easily select projects matching specific criteria. National statistics for each Member state are also available. All of the information presented on screen can also be printed or exported for use in publications such as maxi-brochures, books etc.

Achieved Results

A CD-ROM has been produced as planned. The design may be used for the new sesame internet database which will be operational at the end of '98.

Study

Finance

EU Support: 35.000 ECU

Eligible cost: 75.000 ECU

Contact

Co-ordinator: HELIOSTAT LIMITED
Address: 10-12 KIFISSIAS AVE.
15125 ATHENS
ELLAS

Responsible: C.J. KORRES
Tel: 301 6844194
Fax: 301 6851151
Email: heliosa@ath.forthnet.gr

Participants: BESEL S.A.
INSTITUT WALLON / ENERGIUM 2000

ESPAÑA
BELGIQUE

CREATION OF AN INTERNAL BIOMASS BOILER MARKET IN EUROPE

RES**GEN**

Action Nr: SME-0015-1995-DE

Starting Date: 01-Mar-96

ONGOING

Aims and objectives

Open the national markets of biomass boilers and improve the market transparency in Europe with new Member States, by a technical review of the most important technologies available and demonstrated within the EU and the new Member States, and the implementation of a strategy to achieve the promotion of biomass boiler technology via 4 business fora in 4 Member States: Austria, Sweden, Germany and Belgium..

Description

Phase 1: Definition of the industrial key actors of the boiler market. A group of industrial enterprises which play a major role in the development of technologies and market penetration from the "old" EU Member States and the new Members will be identified.

Phase 2: Organisation of 4 business fora. The identified most interesting actors in the EU biomass boiler market will be invited to present their technologies, know-how and experience.

Achieved Results

Numerous transnational contacts during the first three business fora between the EU-technology providers and the regional or national attendants of the fora.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support:	193.000 ECU	Eligible cost:	233.000 ECU
-------------	-------------	----------------	-------------

Contact

Co-ordinator:	ZWECKVERBAND "REGIONALE ENTWICKLUNG UND ENERGIE"	Responsible:	TONI LAUTENSCHLÄGER
Address:	WIESHUBERSTRASSE 3 93059 REGENSBURG DEUTSCHLAND	Tel:	49 941 46 419 0
		Fax:	49 941 44 619 10
		Email:	fenzl.zreu@t-online.de
Participants:	EAB ENERGIE-ANLAGEN BERLIN GMBH O.Ö. ENERGIESPARVERBAND VATENFALL UTVECKLING AB	DEUTSCHLAND ÖSTERREICH SVERIGE	

Action Nr: DIS-0017-1995-DE

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

A handbook to disseminate the results of good THERMIE projects and national and regional funded energy technologies in Bavaria, Catalunya and Austria. The dissemination should lead to a better use of know-how that was developed under the Thermie programme. Also the rise of innovative technologies will be enhanced.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Auditing equipment

Study

Electronic Catalogue

Description

15 successful projects from the THERMIE programme are presented together with 10 innovative nationally funded projects, each from Germany, Spain and Austria. From these 45 projects, brochures for Germany, Spain and Austria are produced in German and Spanish with a circulation of about 5000 per country.

Achieved Results

This handbook constitutes an important tool to inform on the use of new energy technologies in these countries - the wide distribution of the document has shown a real interest from the market actors in Austria, Spain and Germany acting in the sectors of rational use of energy and Renewable Energy Sources.

Finance

EU Support: 125.000 ECU

Eligible cost: 200.000 ECU

Contact

Co-ordinator: ZWECKVERBAND "REGIONALE ENTWICKLUNG UND ENERGIE"
Address: WIESHUBERSTRASSE 3
93059 REGENSBURG
DEUTSCHLAND

Responsible: TONI LAUTENSCHLÄGER
Tel: 49 941 46 419 0
Fax: 49 941 44 619 10
Email: fenzl.zreu@t-online.de

Participants: ICAEN
O.Ö. ENERGIESPARVERBAND

ESPAÑA
ÖSTERREICH

FOLLOW-UP OF THE PHOTOVOLTAIC ACTION AND PROMOTION OF PV TECHNOLOGY IN THE THIRD COUNTRIES

RES**PV**

Action Nr: DIS-0024-1995-IT

Starting Date: 01-Sep-95

COMPLETED

Aims and objectives

Provision of a THERMIE stand at the 13th PV Conference held in Nice during October 1996 in order to disseminate information about THERMIE and to exchange information within the industry.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

Procurement of stand space at the PV Conference.
Making all necessary arrangements for the THERMIE exhibition stand.
Arranging for relevant literature to be obtained for use on the stand.
Staffing the stand during the Conference and networking with the industry.

Achieved Results

More than 250 people requested information from the SOGES representatives on the Thermie stand, of which 80 people left a contact address for further information. 80 people had specific requirements which can be grouped into four areas.

- information about Thermie programme
- information on the Thermie projects which have been completed
- request for EC publications including the brochure on the Maintenance of PV plants in Isolated Areas.
- various questions : addresses of EC centres in Eastern Countries, contact names in the Commission, information on other EC programmes : ALTENER, SYNERGY, JOULE, discussions on the possibility of international co-operation.

Finance

EU Support: 10.000 ECU

Eligible cost: 10.000 ECU

Contact

Co-ordinator: SOGES SPA.
Address: CORSO TURATI, 49
10128 TURIN
ITALIA

Responsible: MR. ANTONIO MARIA BARBERO
Tel: 39/11/319 08 33
Fax: 39/11/319 02 92
Email:

Participants: EKOSOLAR OY
RÉSEAU DES AGENCES RÉGIONALES DE L'ENERGIE

SUOMI
FRANCE

Action Nr: DIS-0027-1995-ES

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

To offer relevant information to decision makers on efficient clean coal technologies.

 Business plan

 Seminar

 Workshop

 Exhibition stand

 Conference

 Training

 Exhibition

Publication

 Audit/assessment

 Study

 Electronic Catalogue

 Other

Description

This action comprises of 4 tasks:

The preparation and printing of Newsletters No 5 and 7 - Puertollano IGCC News, in English, German, French and Spanish and the preparation of Newsletter No 6 and 8 - General News 1 Specific Projects, in English, German, French and Spanish.

Achieved Results

Readers were up dated on technical financial and social issues related to clean coal technologies. The number of copies of each issue is 16000 split into 6500 in English, 5500 in German, 2000 in French and 2000 in Spanish.

Finance

EU Support: 108.950 ECU

Eligible cost: 108.950 ECU

Contact

Co-ordinator: OCICARBON
 Address: AVD. COMPLUTENSE, 22
 28040 MADRID
 ESPAÑA

Responsible: F. ALEGRIA
 Tel: 34 1 346 6343
 Fax: 34 1 346 6082
 Email:

Participants: ETSU
 EUROPLAN
 GOPA-CONSULTANTS

UNITED KINGDOM
 FRANCE
 DEUTSCHLAND

PRESENTATION OF THE EUROPEAN COMMISSION AT PROMOTIONAL EVENTS - JOULE/THERMIE- INFO- STAND

RUE
GEN

Action Nr: DIS-0030-1995-DE

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

Fairs presenting new mobile technologies or innovative environment technologies are usually attended by a large number of interested and qualified visitors. These actions are therefore well suited for a wide-spread, public introduction of the JOULE/THERMIE programme, by considering the positive attitudes of public and press.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Description

The action consisted of the following tasks:

- division of the stand which will be shared with EAB
- discussion of the concept and presentation of the stand with the European Commission
- arrange for independant stand services such as electricity etc
- procurement of stand literature and information
- staffing the stand
- evaluating the response to the stand

Achieved Results

In addition to very positive reports by the media, the EU was introduced to the broad public as a promoter for RUE and renewable fuels. The fair was visited by 4.000 experts. Approximately 150 - 200 visitors were interested in the Thermie programme. 40 good contacts were made. Over 1.000 documents were distributed.

Finance

EU Support: 27.000 ECU

Eligible cost: 27.000 ECU

Contact

Co-ordinator: EAB ENERGIE-ANLAGEN BERLIN GMBH
Address: FLOTTWELLSTRASSE 4-5
10785 BERLIN
DEUTSCHLAND

Responsible: FRANK DITWALD
Tel: 49 30 254 96 167
Fax: 49 30 254 96 230
Email:

Participants: VATENFALL UTVECKLING AB

SVERIGE

ANALYSIS OF MARKET POTENTIAL AND PRODUCTION OF COUNTRY RELATED HANDBOOKS SIMPLIFYING THE ERECTION OF BIOMASS

RES

BM

Action Nr: DIS-0031-1995-DE

Starting Date: 09-Sep-96

COMPLETED

Aims and objectives

Multiphase project aiming at promoting biomass combustion by notably mapping the energy from biomass combustion potential for the EU territory (Phase I to which the below budgetary figures are related) and producing a handbook on biomass heating plant planning and construction (Phase II).

Electronic Catalogue

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

In the first phase of the project, it was foreseen to produce 8 general maps (4 maps for conventional woody biomass and 4 maps for new energy crops) covering the whole territory of the EU and highlighting current availability and possible potential of energy from biomass. In addition, 4 in-depth case studies were foreseen for selected promising areas.

Achieved Results

The work programme has been changed during Phase I implementation, notably due to the difficulty of collecting accurate and homogeneous statistics to produce a complete set of maps, and to budget limitations. Instead the data collected were used to make an estimation of the potential increase in biomass use from 1995 to 2005 and of the associated CO2 emissions reduction by fossil fuels substitution. A brochure comprising of a visual presentation of the estimations by country and for the EU has been drafted. However, it has been decided not to proceed with the publication of the brochure among others taking into account the fact that not all types of biomass were considered what could have led to misleading information concerning the present and future potential energy use from biomass and waste, and related potential for CO2 emissions reductions. Phase II of the action has not been implemented for budgetary reasons.

Finance

EU Support:	35.600 ECU	Eligible cost:	35.600 ECU
-------------	------------	----------------	------------

Contact

Co-ordinator: EAB ENERGIE-ANLAGEN BERLIN GMBH
 Address: FLOTTWELLSTRASSE 4-5
 10785 BERLIN
 DEUTSCHLAND

Responsible: FRANK DITWALD
 Tel: 49 30 254 96 0
 Fax: 49 30 254 96 230
 Email:

Participants: LANDESENERGIEVEREIN
 MARSCHALL PLAN
 O.Ö. ENERGIESPARVERBAND
 VATENFALL UTVECKLING AB
 ZWECKVERBAND "REGIONALE ENTWICKLUNG UND ENERGIE"

ÖSTERREICH
 DEUTSCHLAND
 ÖSTERREICH
 SVERIGE
 DEUTSCHLAND

INTENSIFIED CO-OPERATION WITH INTERNATIONAL FINANCING INSTITUTIONS

ALL
GEN

Action Nr: STR-0038-1995-DE

Starting Date: 22-Dec-95

COMPLETED

Aims and objectives

This task primarily aims at a more successful market penetration of innovative EU energy equipment on the world market by means of an increased use of loans from international financing institutions.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The resulting guide aims primarily at providing tools, information and contacts needed for the financial preparation as well as the implementation of energy investments. The guide is compiled jointly with the respective financing institutions and hence provides first hand information to the European manufacturers, who are interested in intensifying cooperation activities outside the EU. However, the guide is not only directed to decision makers of European SMEs but also to those outside the EU, who are interested in implementing energy investments and who are looking for suitable partners.

Achieved Results

Parts of the handbook were used to give German SMEs as well as Russian Enterprises assistance in seeking funds for investment projects.

Joint venture preparation of BTB in Ekaterinburg (Russia). Project implementation of a Cogeneration Plant in Silon (Czech Republic) by EMD.

Finance

EU Support: 100.000 ECU Eligible cost: 100.000 ECU

Contact

Co-ordinator: INNOTEK SYSTEMANALYSE GMBH
Address: KURFÜRSTENDAMM 199
10719 BERLIN
DEUTSCHLAND

Responsible: MR ANDREAS VOLWAHSEN
Tel: 49 30 882 32 51
Fax: 49 30 885 44 33
Email: innotec@berlin.snafu.de

Participants: EKONO ENERGY LTD
EUROPLAN

SUOMI
FRANCE

MARKET ANALYSIS, STRATEGY DEVELOPM. AND DISSEM. EFFORTS FOR SUPPORTING MARKET BREAKTHROUGH OF CNG IN SMALL VEHICLES

RUE
TR

Action Nr: DIS-0041-1995-DE

Starting Date: 01-Feb-96

COMPLETED

Aims and objectives

The promotion of CNG as a fuel for private cars and small freight vehicles by summarising so far isolated efforts, analysing experiences, developing implementation strategies as well as disseminating results to be obtained.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The market study deals with market survey and market analysis.

Market survey : CNG applications for private cars and small lorries, systems in operation, implemented technologies (stoichiometric vs. lean-burn concept, converted vs. dedicated CNG engines), fuelling solutions, effects on transport performance, vehicle range and mobility behaviour, environmental improvement, energy consumption figures, economic viability, legal and fiscal background of existing systems;

Market analysis : users motivation, former users' vehicle stock, former mobility situation, legal preconditions, environmental consciousness, financial background, barriers and promotional factors for using CNG in private cars and small lorries, identification of all interested parties, possible future co-financing, investigation of future EU market potential.

Achieved Results

The study will certainly stimulate the demand from the market and further R&D activities mainly reducing energy consumption and improving emissions as well as the development of a large scale (serial) production.

It has been noticed that if implementation in 5 % of private cars in EU of CNG as a fuel important reductions of CO₂, CO, HC would be achieved.

Cars and small lorries running in fleets are the main target group for the change to natural gas. Assuming that 20% of the vehicles running in the EU are suitable for conversion, the total potential for CNG vehicles could be estimated to be 25 million cars and small lorries. The main conditions that must be fulfilled in order to achieve only one fourth of this potential are economic aspects, especially a fuel tax policy that compensates for the higher purchasing costs of CNG vehicles.

Finance

EU Support: 99.000 ECU

Eligible cost: 110.400 ECU

Contact

Co-ordinator: INNOTECH SYSTEMANALYSE GMBH
Address: KURFÜRSTENDAMM 199
10719 BERLIN
DEUTSCHLAND

Responsible: MR LUTZ EBERIUS
Tel: 49 30 882 32 51
Fax: 49 30 885 44 33
Email: innotec@berlin.snafu.de

Participants: FAST

ITALIA

COMPARATIVE ANALYSIS OF ENERGY RTD PROGRAMMES AND MARKET OBSERVATION SYSTEMS IN THE 109US, JAPAN AND EUROPE

RUE
GEN

Action Nr: STR-0042-1995-DE

Starting Date: 01-May-96

COMPLETED

Aims and objectives

The aim of this study is to conduct a comparative study of US, Japanese and EU RTD & D programmes (with emphasis on demonstration parts) and market reporting procedures in order to assess their impact on market penetration and development of efficient energy technologies through comparison of the various methods, the study will identify how best to stimulate the market introduction of energy technologies.

Description

- Comparative analysis of RTD programmes and existing market reporting procedures in the US, Japan and the EU.
- Analysis of market development for combustion process equipment for CHP.
- Comparative assessment of energy RTD and market observation programmes

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Other

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Achieved Results

The outputs of the action are :

- a survey of RTD programme in US, Japan and Europe;
- the overview of market observation and reporting procedures;
- recommendations for the improvement of European practice.

In addition it delivers an analysis of the sector small and medium CHP. Potential regions for starting improved strategies and programmes are also identified.

A leaflet summarising the finding of the study was prepared and distributed among interested agencies, OPET Network. On the request of recipients the full study will also be distributed.

Finance

EU Support: 100.000 ECU Eligible cost: 100.000 ECU

Contact

Co-ordinator: INNOTEK SYSTEMANALYSE GMBH
Address: KURFÜRSTENDAMM 199
10719 BERLIN
DEUTSCHLAND

Responsible: MR A VOLWAHSEN
Tel: 49 30 882 32 51
Fax: 49 30 885 44 33
Email: innotec@snaflu.berlin.de

Participants: BCEOM
COWI CONSULT
MARCH CONSULTING GOUPE

FRANCE
DANMARK
UNITED KINGDOM

PROM. OF EU EXPERIENCES ON MEASURES TO REINFORCE URB. PUBL. TRANSP. ATTRACTIV. IN MED. SIZED TOWNS OF NEW MEMBERS STATES

RUE

TR

Action Nr: DIS-0051-1995-FR

Starting Date: 28-Dec-95

COMPLETED

Aims and objectives

This action has 3 objectives:

- To obtain a global knowledge of the current situation in the urban centres of selected medium sized cities of the new MS (Austria - Sweden - Finland),
- To describe the major achievements in urban public transport sector and measures to restrict access of the car in cities,
- To exchange experience and diffuse best practices between MS in order to make the public transport sector more competitive in relation with private sector.

Description

The objectives of the action have been presented and discussed during a workshop held in Liège (30/09/96). During the event, quantitative and qualitative information and details of implemented actions to enforce public transport attractiveness have been presented [case studies of Kuopio (FI), Göteborg (SE), Graz (AT)]

Business Mission

Search

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Achieved Results

The information collected from the case studies have been integrated in the data base MOBILE developed by Thermie. During the workshop the exchange of information on the technology use and best practices has been facilitated.

Finance

EU Support:	102.000 ECU	Eligible cost:	102.000 ECU
-------------	-------------	----------------	-------------

Contact

Co-ordinator: EUROPLAN
 Address: NOVA ANTIPOLIS, CHEMIN DE SAINT CLAUDE 2203
 06600 ANTIBES
 FRANCE

Responsible: ANDRÉ JACQUEMART
 Tel: 33 93 74 31 00
 Fax: 33 93 74 31 31
 Email:

Participants: ARISE EUROPEAN ECONOMIC INTEREST GROUPING
 ENERGIEVERWERTUNGS AGENTUR
 INSTITUT WALLON / ENERGIUM 2000
 MOTIVA INFORMATON CENTER FOR ENERGY EFFICIENCY

BELGIQUE
 ÖSTERREICH
 BELGIQUE
 SUOMI

Action Nr: SME-0055-1995-SE

Starting Date: 01-May-96

COMPLETED

Aims and objectives

Collecting and producing information material to key target groups information about cost effective applications for solar heating in Northern and Central Europe.

Business-Mission

Study

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The project comprises elaboration of information material for different target groups :

- 1) Leaflet with information about solar heating systems for small houses directed to owner of small houses,
 - 2) Leaflet with information about solar heating systems for multi family residential buildings directed to housing companies and planners,
 - 3) Leaflet with information about central solar heating systems directed toward utilities and municipalities,
 - 4) Video about large solar heating systems to professional customers,
 - 5) Nomograms for simple plant design.
- In addition a market study will be performed.

Achieved Results

The above mentioned leaflets were produced. Nr 1 in German and Swedish; Nr 2 in German and English; Nr 3 in German and English; Video in German and English; Nomograms in German and English (also a computer software available). Finally a market study was produced: The findings were based on existing work (eg Sun in Europe) and inquiries made by questionnaires.

Finance

EU Support: 154.000 ECU

Eligible cost: 165.000 ECU

Contact

Co-ordinator: VATENFALL UTVECKLING AB
 Address: BOX 531
 162 15 VÄLLINGBY
 SVERIGE

Responsible: MARTIN SJÖLUND
 Tel: 46 8 739 50 00
 Fax: 46 8 739 5882
 Email:

Participants: EAB ENERGIE-ANLAGEN BERLIN GMBH
 ENERGY CENTRE DENMARK
 O.Ö. ENERGIESPARVERBAND
 ZWECKVERBAND "REGIONALE ENTWICKLUNG UND ENERGIE"

DEUTSCHLAND
 DANMARK
 ÖSTERREICH
 DEUTSCHLAND

TECHNICAL EVALUATION AND REGIONAL WORKSHOPS ON RUE IN THE WOOD WORKING AND WOOD PROCESSING INDUSTRY

RUE
IN

Action Nr: DIS-0059-1995-DE

Starting Date: 15-Jan-96

COMPLETED

Aims and objectives

The objectives of the study are to analyse and summarise the present status of energy consumption in the Member States of the EU and Norway and Switzerland, to evaluate present day energy efficient technologies in wood industry and to investigate application barriers to these techniques. The results of this study are aimed to inform, support and motivate small and medium enterprises in particular to apply efficient and environmentally sound technologies.

Description

First, the current situation of the wood working and processing sector at the EU level is described in terms of its structure, technologies in use and the extent to which waste wood is being used as energy source. Then an analysis is made of the situation of this sector in each Member State of the EU and Switzerland and Norway. Factors such as economic strength and energy consumption are considered related to defined technical subsectors. Finally energy efficient and low emission technologies are investigated and the potentials of energy savings are estimated and barriers versus their implementation are discussed.

Achieved Results

This study constitutes the first action being undertaken in the framework of the THERMIE programme analysing the present energy consumption in the wood sector and potentials of energy saving. Further information and dissemination actions will be necessary in order to initiate concrete business opportunities.

Further information actions targeted to small and medium enterprises are necessary in order to motivate plant owners to invest

Business-Mission

Seminars

Workshop

Exhibition-stand

Conference

Exhibition

Exhibition

Publication

Audit-standards

Study

Electronic Catalogue

Other

Finance

EU Support: 110.000 ECU

Eligible cost: 110.000 ECU

Contact

Co-ordinator: FIZ KARLSRUHE
Address: POSTFACH 2465
76012 KARLSRUHE
DEUTSCHLAND

Responsible: W. BAHM
Tel: 49 7247 808 351
Fax: 49 7247 808 134
Email: wba@fiz-karlsruhe.de

Participants: AXOVAATIO OY
FHG-ISI FRAUNHOFER INSTITUTE FOR SYSTEMS AND INNOVATION RESEARCH
O.Ö. ENERGIESPARVERBAND
VATENFALL UTVECKLING AB

SUOMI
DEUTSCHLAND
ÖSTERREICH
SVERIGE

SOCIAL HOUSING AND ENERGY TECHNOLOGIES : A SOLUTION FOR SOCIAL COHESION

RUE
BU

Action Nr: DIS-0069-1995-FR

Starting Date: 01-Jan-96

ONGOING

Aims and objectives

Due to the primary scope of social housing towards underprivileged people, this action is intended to make a detailed survey of the situation in several MS of the EU.

Through this survey, it is intended to promote the use of efficient energy technologies in the construction and the refurbishment of social dwellings, to help to reduce energy operating cost, to substantially reduce outstanding payments of energy bills and to improve social cohesion within the EU.

Description

Completion of a technical and economical survey covering the regulations prevailing in social housing sector for construction and heating, the national energy efficiency programmes in this sector and the initiatives that have already been implemented.

A maxibrochure with examples will be published in some EU languages.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Expected Results

The contractors expect the following results:

- to encourage a global cost way of thinking in social housing institutions and professionals
- to promote the use of energy efficient space and domestic hot water systems
- to prevent low income households to get into debt because of unaffordable energy bills
- to improve global economical and energetic performance in social housing via the implementation of efficient energy technologies

Finance

EU Support: 70.000 ECU

Eligible cost: 128.750 ECU

Contact

Co-ordinator: RÉSEAU DES AGENCES RÉGIONALES DE L'ENERGIE
Address: C/O RHONALPENERGIE, 69 RUE DE LA RÉPUBLIQUE
69002 LYON
FRANCE

Responsible: CHRISTIAN LABIE
Tel: 33 78 37 29 14
Fax: 33 78 37 64 91
Email:

Participants: CORA
MENS & RUIMTE
REGIONE LOMBARDIA
UNION NATIONALE DES FÉDÉRATIONS D'ORGANISMES D'HLM

DEUTSCHLAND
BELGIQUE
ITALIA
FRANCE

TRAINING OF ENERGY MANAGERS IN THE SERVICES OF LOCAL AUTHORITIES

RUE

BU

Action Nr: DIS-0070-1995-FR

Starting Date: 01-Jan-96

COMPLETED

Aims and objectives

To provide the training of energy managers in the services of local authorities in the following theme :

- setting up an energy policy in the local authority
- energy consumption and energy conservation in buildings
- choice of suitable technologies for the different use of energy
- management setting-up
- choice of operating method

To spread the training to several European Countries.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The first phase is the elaboration of the training programme prepared by the 3 RARE agencies and the suggestions of the partners.

The training courses have taken place in three countries : France, Italy and Germany. They will be of 3 days each and planned for an audience of about twenty persons. Each course will comprise six sessions of half day, conducted by 2 successive contributors, i.e. a total of 12 contributors. In the premises where the course will take place, an exhibition will be set up to enable the presentation of technologies of interest for trainees with panels, posters and equipment.

Achieved Results

Each of the three training seminars gave opportunities to establish contacts between users and providers of energy efficient technologies. After each training day participants have been asked to comment on the quality and the success of the workshops. The results are considered to be very good.

Finance

EU Support: 56.890 ECU

Eligible cost: 89.650 ECU

Contact

Co-ordinator: RARE/RAEE LYON
Address: 10 RUE DES ARCHERS
69002 LYON
FRANCE

Responsible: CHRISTIAN LABIE
Tel: 33/4 78 37 29 14
Fax: 33/4 78 37 64 91
Email: racc@imagnet.fr

Participants: EAB ENERGIE-ANLAGEN BERLIN GMBH
ENERGIE CITES
FAST
RÉGION WALLONE
SVENSKA KOMMUNFÖRBUNDET

DEUTSCHLAND
FRANCE
ITALIA
BELGIQUE
SVERIGE

DEVELOPMENT STUDY OF THE SMALL COGENERATION IN FRANCE ACCORDING TO THE ACQUIRED EXPERIENCE IN UK, DK, DE, IT, ES

RUE

BU

Action Nr: DIS-0072-1995-FR

Starting Date: 01-May-96

ONGOING

Aims and objectives

This action consists in the analysis of the possible development of the small size cogeneration for the tertiary sector in France, on the basis of the experience gained in other countries of the European Union, where small cogeneration (50-500 kW) is developed, and namely: United Kingdom, Denmark, Italy and Spain.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

During the first phase, the contractor will draw the listing of the cogeneration development conditions in each country (United Kingdom, Denmark, Italy and Spain) through the analysis of the following topics:

- Equipment involved (normalisation), mass production, methods to implement ...

- Computer tools developed for potential users

- Operative conditions: maintenance contracts, insurance

- Characterization of optimal development conditions for small cogeneration equipment

At the end of this task a report will be drawn up about the small size development situation in the tertiary sector in each country.

Then, in cooperation with the Cogeneration Club it will be researched of the propitious markets in France for small scale cogeneration (Typology of the customers in relation with the electric tariff system).

After completion of this second phase, test studies (9 studies) in some selected sites in favourable markets will be carried out : hotels, hospitals, office buildings (1 owner, steady electricity consumption)

Finally, drawing up, through sensitiveness tests on the results of the reference studies, of the small cogeneration development conditions in the French tertiary sector. The final report will define the development conditions for this technology and in particular:

- Profitability threshold in accordance with the support policies of local ,regional and European Union administration;

- Technical policy to be implemented for the sector: equipment, studies, maintenance.

Expected Results

This action, through the analysis of specific case studies examines the limits and barriers to the development of small size cogeneration in France for the tertiary sector. It will support the French Cogeneration Club in their promotional activities towards administrators and professionals, and it will allow French regional authorities to include, as part of their energy policies, possible future actions in support of small cogeneration.

Finance

EU Support: 90.000 ECU

Eligible cost: 90.000 ECU

Contact

Co-ordinator: RARE/RAEE LYON
Address: 10 RUE DES ARCHERS
69002 LYON
FRANCE

Responsible: CHRISTIAN LABIE
Tel: 33/4 78 37 29 14
Fax: 33/4 78 37 64 91
Email: racc@imagnet.fr

Participants: COGENA
COOPERATION OF REGIONAL AGENCIES
ECOTEC RESEARCH AND CONSULTING
ENERGY CENTRE DENMARK
ENTE VASCO DE LA ENERGIA

ITALIA
DEUTSCHLAND
UNITED KINGDOM
DANMARK
ESPAÑA

DEVELOPEMENT OF SOLAR ENERGY IN DOMESTIC APPLICATIONS BY EXPERIENCE SHARING BETWEEN THREE REGIONS

**RES
GEN**

Action Nr: SME-0075-1995-FR

Starting Date: 01-Apr-96

ONGOING

Aims and objectives

The action consists in a mutual exchange of know-how and experience regarding dissemination concepts for solar thermal technologies and their application in France (Rhône-Alpes), Austria (Styria) and Germany (Bavaria).

The aim is a reinforced dissemination of two solar thermal technologies (PSF-Plancher Solaire Direct/Direct Solar Floor and self-built solar water heaters) already successfully implemented in two EU Member States on a regional level.

Description

This action covers the following items:

- preliminary phase
- maxi-brochure on the state of development of each technology, with case-studies
- study about the local conditions of dissemination of the technologies (local organization, manufacturing sites, regulations aspects, partnership between SME of each country involved in the development of these processing techniques);
- training of trainers for auto-constructed solar collector.

Expected Results

- Beginning of a dynamic in the countries
- Training the local actors
- Creation and diffusion of tools
- Information

Encounters between producers, planners and user of solar thermal collectors.

This action expects to create the basis for growing investments in solar hot water production in the participating countries according to the technologies selected.

Business mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support: 121.000 ECU

Eligible cost: 166.680 ECU

Contact

Co-ordinator: RARE/RAEE LYON
Address: 10 RUE DES ARCHERS
69002 LYON
FRANCE

Responsible: CHRISTIAN LABIE
Tel: 33/4 78 37 29 14
Fax: 33/4 78 37 64 91
Email: racc@imagnet.fr

Participants: ASSOCIATION SAVOYARDE POUR LE DÉVELOPPEMENT DES
ENERGIES RENOUVE
LANDESENERGIEVEREIN
ZWECKVERBAND "REGIONALE ENTWICKLUNG UND ENERGIE"

FRANCE
ÖSTERREICH
DEUTSCHLAND

AWARENESS AND VALUE ADDED ACTIVITIES FOR COAL COMBUSTION RESIDUE

FF**SF**

Action Nr: DIS-0076-1995-FR

Starting Date: 01-Jun-96

COMPLETED

Aims and objectives

Clean coal burning is coming into increasing widespread use. Air pollution is considerably reduced but the problem of where the combustion ash should go remains a major issue both in terms of environmental protection and economic concerns. The applicants propose to assess the related existing skills in different European countries and to disseminate this information as broadly as possible so as to define the different uses possible for these by products. The final objective is to gradually replace the use of waste disposal (with its inherent cost) by the use of these products, raw material (source of income).

Description

This action consist of the organisation of 2 preparatory meetings (one in Finland and one in Spain) in order to prepare the seminar, held in Marseilles. Included in this action, the writing of a 4-pages pamphlet.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Achieved Results

97 people, coming from 14 countries, attended this seminar. The mailing of the invitation could reached 1400 people throughout the world. One thousand copies of the pamphlet were printed; the distribution occurs through the Commission, the partners and on request by third partners.

Finance

EU Support:	70.000 ECU	Eligible cost:	80.360 ECU
-------------	------------	----------------	------------

Contact

Co-ordinator: RÉSEAU DES AGENCES RÉGIONALES DE L'ENERGIE
Address: C/O RHONALPENERGIE, 69 RUE DE LA RÉPUBLIQUE
69002 LYON
FRANCE

Responsible: CHRISTIAN LABIE
Tel: 33 78 37 29 14
Fax: 33 78 37 64 91
Email:

Participants: FINNISH TECHNOLOGYDATA LTD
NOVEM
OCICARBON
SOGES SPA.

SUOMI
NEDERLAND
ESPAÑA
ITALIA

THERMIE STAND IN THE "FOIRE INTERNATIONALE DE BORDEAUX" AND CONFERENCE ON EFFICIENT AND CLEAN TECHNOLOGIES

ALL
GEN

Action Nr: DIS-0077-1995-FR

Starting Date: 01-Mar-95

COMPLETED

Aims and objectives

Presentation of European programmes especially JOULE/THERMIE and the efficient and clean technologies at the International Meeting in Bordeaux during 20-29/5/95 (Foire Internationale de Bordeaux)
The THERMIE stand (40M) will be integrated in the environment and clean technologies space on the exhibition

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The THERMIE stand was situated at the entrance of the main exhibition hall in the "Environment Forum" which regrouped institutional investors, businesses and associations all operating in the energy and environment fields.

The 36 m² stand was equipped on both the inside and outside with 14 display boards representing the different European programmes undertaken by the DG XVII (Alterner, Save, Thermie), achievements within the framework of the Thermie programme (trigeneration of Bordeaux Airport), and a presentation of the RARE and its regional component Aquitainergie.

The stand also comprised a meeting and discussion point, a TV-video recorder, and display racks for distribution brochures to visitors.

Achieved Results

Over 2,000 documents were distributed, of which around 200 were immediately followed by requests for further information. Around 20 good contacts were made. The interest shown came mainly from professional people: builders, fitters, research and engineering departments; owners concerned with technical and financial aspects; but also from teachers and students concerned with aspects linked to energy and environmental problems.

Finance

EU Support: 36.200 ECU

Eligible cost: 36.200 ECU

Contact

Co-ordinator: RARE/RAEE LYON
Address: 10 RUE DES ARCHERS
69002 LYON
FRANCE

Responsible: CHRISTIAN LABIE
Tel: 33/4 78 37 29 14
Fax: 33/4 78 37 64 91
Email: racc@imagnet.fr

Participants: ENTE VASCO DE LA ENERGIA

ESPAÑA

Action Nr: STR-0078-1995-FR

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

This study is centered on the information of general public in the field of energy, making use of multimedia techniques and focusing on the called domestic energy in general and the energy technologies in the sector of housing and transports in particular.

It focuses on :

- Making energy technologies known to general public.
- Making use of multimedia techniques.
- Sensitizing the widest possible public.
- Catering for varying public interests.

Description

The study gathers the various interests of the general public by evaluating its level of knowledge, its access to information and its decision making process. For these means an analyse of the different mediators and professionals is necessary. The consideration of the two previous information complexes will lead to the establishment of several multimedia tools (CD-ROM, Internet, etc...)

Achieved Results

A user's guide is compiled to explain the methodology of the study and facilitate the steps of the partners for the two phases of the study. Surveys on energy and general public were collected and a sample of the organisms that the general public contracts and/or meets (professionals mediators) were identified and listed. A questionnaire is developed linked with 24 interviews in different European countries. Within the multimedia tools 9 CD-Rom, 2 services on Minitel and 10 sites on Internet have been achieved.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support:	95.000 ECU	Eligible cost:	95.000 ECU
-------------	------------	----------------	------------

Contact

Co-ordinator: RÉSEAU DES AGENCES RÉGIONALES DE L'ENERGIE
Address: C/O RHONALPENERGIE, 69 RUE DE LA RÉPUBLIQUE
69002 LYON
FRANCE

Responsible: CHRISTIAN LABIE
Tel: 33 78 37 29 14
Fax: 33 78 37 64 91
Email:

Participants: INNOTECH SYSTEMANALYSE GMBH
INSTITUT WALLON / ENERGIUM 2000
MICROMEDIA

DEUTSCHLAND
BELGIQUE
FRANCE

EXHIBITION STAND AT THE ISES SOLAR WORLD CONGRESS IN HARARE ZIMBABWE 9-16 SEPTEMBRE 1995

RES
SE

Action Nr: DIS-0083-1995-DE

Starting Date: 01-Apr-95

COMPLETED

Aims and objectives

To organise a stand for EU renewable technologies at the exhibition held in parallel with the ISES Solar World Congress in Harare, Zimbabwe, 9-16 September 1995

The key aim of the project was to allow the participation of European SMEs with innovative products in the field of renewable energy (mainly solar energy) who would not have been able to attend the exhibition without financial support to display their products/technology to potential customers and/or parties for joint ventures of the region.

By participating at the show, the companies could strengthen their market position in terms of keeping pace or ahead of the international competition.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

From 11-15 September 1995, Harare, the capital of the Republic of Zimbabwe, has been the host of a major international event in the field of renewable energy. At the Harare International Conference Center (HICC), the bi-annual conference and exhibition of the International Solar Energy Society (ISES) took place. The event, which was titled this year "In search of the Sun", attracted about 2,500 visitors at the exhibition, plus 550 delegates from over 60 countries presenting 650 scientific papers at the conference.

A major effect was the involvement of the UNESCO World Solar Summit Process at the ISES event in Harare. The UN organisation and ISES used the opportunity to bring policy makers, scientists and manufacturers of renewable equipment together. The European Commission recognised the importance of the event as well and decided to have an exhibition stand at the show.

In order to give the exhibiting companies an additional platform, an in-congress special technical session had been arranged by GOPA. At this workshop, each company could give a 10-minute presentation describing the services and products to the congress audience. The workshop programme was complemented by presentations describing the THERMIE Programme and its activities in the field of renewable energy and prospects for an international cooperation with Southern Africa.

Achieved Results

The project enabled nine European firms to show their products to a large professional audience. In total, about 2500 visitors attended the exhibition. Since the outdoor stand was located directly at the only official entrance of the conference and in-door exhibition, literally every visitor had to pass it. The companies on display were : SOLE, Greece / ZSW, Germany / HTC, Germany / Synopsis, France / SOLTECH, Belgium / IT Power, UK / Wuseltronik, Germany / Südwind, Germany. The equipment exhibited concerned solar energy (PV and solar thermal) and wind energy.

With regard to the exhibitors, it can be said that all of them were very satisfied with the results of their participation at this THERMIE activity. Some of them will probably sell their product(s) in the mid-term, based on the contacts made during the exhibition. Others made promising contacts for further business development. All of the exhibitors took the chance to introduce their technologies to other companies present at the show by visiting their stands. Finally, it should be mentioned that the harmonious coexistence of the representatives at the stand reflected the idea of the EU to visitors in a most favourable way.

Finance

EU Support:	65.000 ECU	Eligible cost:	117.400 ECU
-------------	------------	----------------	-------------

Contact

Co-ordinator: GOPA-CONSULTANTS
Address: HINDENBURGRING 18,
61348 BAD HOMBURG
DEUTSCHLAND

Responsible: MR. SAUTER SERVAES
Tel: 49 6172 9300
Fax: 49 6172 35046
Email: f_sauter_servaes@gopa.de

Participants: CENTER FOR RENEWABLE ENERGY SOURCES
UNIVERSITY COLLEGE DUBLIN

ELLAS
IRELAND

IMPACT OF ENERGY EFFICIENT TECHNOLOGIES FOR URBAN TRANSPORT AND URBAN TRANSPORT MANAGEMENT SYSTEMS

RUE**TR**

Action Nr: STR-0087-1995-DE

Starting Date: 31-Mar-96

COMPLETED

Aims and objectives

Technologies and policies related to the transport sector can have a substantial influence on the overall energy consumption and emissions. Some measures may lead to the reduction of energy consumption and emissions only by affecting mobility choices and other socio-economic conditions, however also the success of measures in view of societal aims depends on the underlying circumstances, conditions and assumptions (for example, market access barriers, public acceptance, information availability etc.) The main objective of this action therefore is to evaluate measures (technologies and policies) which are considered to have impacts on energy consumption in the light of real energy savings and impacts on mobility / accessibility, socio-economic and other predominantly transport indicators. Circumstances, conditions and assumptions which determine the success or failure of certain measures in the light of desired aims are to be identified. The identification of these non-technical factors can be seen as a basis on which forthcoming strategies can be formulated.

Description

Themes to be covered in the action are policies and technologies which may lead to a more efficient or economical use of energy in the field of transport. These themes are :

Innovative technologies for more effective vehicles

Innovative technologies to promote the use of cleaner fuels

Innovative systems and equipment to optimise the use of urban transport infrastructures

Integration in city planning schemes and provision of infrastructure

For these themes case studies on innovative approaches in transport policy and technology with a broad coverage of cities throughout Europe will be elaborated. Subsequently to the elaboration of the case studies the most important topics will be discussed in detail in the course of expert meetings.

Achieved Results

In the course of the study success failure factors of most various transport planning measures, which show positive effects on energy consumption and the environment have been identified, analysed and described. The most important success items in this context depends not only on the support from politics, industry and promoters but also on an appropriate communication/marketing strategy to the target group.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support: 130.000 ECU

Eligible cost: 130.000 ECU

Contact

Co-ordinator: GOPA-CONSULTANTS
Address: HINDENBURGRING 18
61348 BAD HOMBURG
DEUTSCHLAND

Responsible: MR. MICHAEL MULLER
Tel: 49 6172 9300
Fax: 49 6172 35046
Email: m_mueller@gopa.de

Participants: BCEOM
IDAE
INSTITUT WALLON / ENERGUM 2000
MARCH CONSULTING Goup

FRANCE
ESPAÑA
BELGIQUE
UNITED KINGDOM

CONFERENCE IN CABO VERDE ON: PROMOTION OF SUCCESSFUL EUROPEAN RENEWABLE ENERGY TECHNOLOGIES IN CABO VERDE

RES

SE

Action Nr: DIS-0088-1995-PT

Starting Date: 01-Jul-95

COMPLETED

Aims and objectives

This action aims to :

- promote adequate innovative technologies in terms of wind and solar energies, in Cabo Verde
- stimulate direct sales and joint-ventures opportunities between EU companies and Cabo Verde counterparts
- strenght EU industry competitiveness and increase market penetration of EU energy efficient technologies
- improve international cooperation between EU member states and Cabo Verde.

Business mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit/seminar

Study

Electronic communication

Other

Description

The action consisted in the organisation of a major conference in Cape Verde, with the collaboration of the local authorities, aimed at promoting the European experiences and innovative technologies in the field of renewable energies which are best suited to insular regions and encourage their market penetration in Cape Verde.

The topics covered included RES potential in Cabo Verde, available RETs for islands and remote areas, recent development in solar thermal and wind energy technologies, the institutional and legal framework in Cabo Verde.

One of the recommendations was the need to analyse more in depth the market in C.Verde for certain technologies and assist C.Verde in the preparation of bankable projects to submit to international financial institutions and donors. The event proceedings have been published and are available on request.

Achieved Results

The presentations and the long discussion periods at the conference enabled :

- for EU participating industry and experts to get acquainted about the important potential for non-grid connected RETs in C.Vert, the institutional and legal background that underlines the transfer of technologies to the country, as well as to meet the relevant local authorities and decision makers with whom business can be made.
- for the local authorities and companies to get access to information on RETs available in Europe that can provide a solution to the local energy problems.

The event is expected to have stimulated co-operation agreements between EU and C.Vert organisations necessary for the transfer of technology to take place. The financial barrier to market penetration of advanced technologies was very much highlighted and the need to work closely with financial institutions (international and private banking) was well stressed if the technology transfer is to succeed.

Finance

EU Support:	69.500 ECU	Eligible cost:	120.000 ECU
-------------	------------	----------------	-------------

Contact

Co-ordinator:	CEEETA PARTEX CPS	Responsible:	HENRI BAGUENIER
Address:	RUA GUSTAVO DE MATOS SEQUEIRA 28 - 1° DTO 1200 LISBOA PORTUGAL	Tel:	351 1 395 60 19/20
		Fax:	351 1 395 24 90
		Email:	
Participants:	ADEME CORSE COWI CONSULT	FRANCE DANMARK	

PLAN TO PROMOTE THE USE OF NATURAL GAS IN PUBLIC TRANSPORT

RUE**TR**

Action Nr: DIS-0091-1995-ES

Starting Date: 01-Apr-96

ONGOING

Aims and objectives

To promote the use of natural gas in the public transport sector.

Cities with CNG buses running, will interchange experiences and increase knowledge concerning the exploitation of the service.

To inform interested operators and municipalities on the main benefits, drawbacks and daily problems that appear during the exploitation of the service..

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

Elaboration and printing of a technological and economical study in depth on the current situation of using natural gas as a fuel for buses.

Organisation of an experts meeting on the use of natural gas in public transport.

Expected Results

Improve the knowledge in this field. Change the attitude of authorities to the introduction of CNG buses.

The project is expected to increase the number of buses running on natural gas in Europe. It is expected that some 5 cities introduce natural gas-buses as a consequence of this action.

New infrastructure to supply compressed natural gas (filling stations) along Europe.

Finance

EU Support: 100.000 ECU

Eligible cost: 100.000 ECU

Contact

Co-ordinator: IDAE

Address: PASEO DE LA CASTELLANA 95
28046 MADRID
ESPAÑA

Responsible: CARLOS LOPEZ LOPEZ

Tel: 1 556 84 15

Fax: 1 555 13 89

Email: idae@teleline.es

Participants: BCEOM

INSTITUT WALLON / ENERGIM 2000

TSU TUV RHEINLAND SICHERHEIT UND UMWELTSCHUTZ GMBH

FRANCE

BELGIQUE

DEUTSCHLAND

FUNCTIONAL INTEGRATION OF TRANSPORT MODES THROUGH MODAL INTERCHANGE POINTS

RUE**TR**

Action Nr: DIS-0092-1995-ES

Starting Date: 01-Apr-95

COMPLETED

Aims and objectives

- To encourage the development of European experiences related to functional integration of transport modes through modal interchange points.
- Describing the most of relevant and successful European experience in this field.
- Dissemination findings.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

Identification of the most relevant experiences in Europe

Publication of a study giving the basis for a good design and management of an interchange and description of european experiences

Organisation of an experts workshop.

Achieved Results

The workshop organised in the frame of this action has acted as an information exchange forum between cities with large experience in intermodality organisation aspects infrastructure. Special interest has been paid into the basic considerations to be taken into account in planning and designing transport interchange points.

Finance

EU Support: 100.000 ECU

Eligible cost: 100.000 ECU

Contact

Co-ordinator: IDAE
Address: PASEO DE LA CASTELLANA 95
28046 MADRID
ESPAÑA

Responsible: CARLOS LOPEZ LOPEZ
Tel: 1 456 49 90
Fax: 1 555 13 89
Email: idae@teleline.es

Participants: BCEOM
GOPA-CONSULTANTS

FRANCE
DEUTSCHLAND

Action Nr: DIS-0100-1995-GB

Starting Date: 15-Jun-95

COMPLETED

Aims and objectives

The main objective is the development of a strategy to accelerate the uptake of RES in the EU in the line of the conference "An Action Plan for RES in Europe" held in Madrid in March 1994, and associated "Declaration of Madrid". As part of this work, a series of meetings (held in 1995 and 1996) will take place with key actors in order to develop Specific Action Plans for RES for the different actor groups. Phase 1 of this work consists of the successful organisation of three events and the developments of a strategy for increasing RES market penetration.

Description

Three round tables are foreseen with the following market actors : financiers, utilities and industry/professionals. The purpose of each event is to provide a platform in which the views of each actor group can be sought, and a debate held on the barriers, problems and required policy measures specific to each actor group to encourage the development of RES in the EU. It is expected that each event will take place over 1.5 days and consist of 10 to 15 invited speakers/chairs/moderators and around 50 to 100 targeted guest delegates. Both speakers and delegates need to be very active and at a senior level within their organisation in order to ensure a full and knowledgeable debate on the theme of each event.

Prior to each of the events, a preparatory meeting will take place in order to identify speakers and delegates and to plan the preparation of the background papers which will be distributed at the event.

Achieved Results

The round tables especially with financiers and utilities were very successful. One can highlight the following from the main messages coming out from the round-tables, each of them being the subject of a specific report :

- considering the financing of RETs applications, the problem is not the lack of money which is available but rather the lack of good files prepared in a way the financial community is accustomed with in order to be able to make a valid assessment of a project;
- the utilities are ready to play an active role for the promotion of RES, taking into account the global context of competition and electricity market liberalisation. In fact, their role is essential and unavoidable if the target of doubling the share of RES in the EU energy balance by 2010 is to be achieved. The issues of the round-tables were further discussed in the conference "Renewable Energy Sources in the International Energy Market" held in Milan, 17-19 June 1996, and led to the preparation of a synthesis report entitled "Towards the Development of an Implementation Plan for Renewables in Europe" (see also the sheet corresponding to the action Thermie B action n° STR-0588-1995-GB).

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support:	100.000 ECU	Eligible cost:	140.000 ECU
-------------	-------------	----------------	-------------

Contact

Co-ordinator:	ECOTEC RESEARCH AND CONSULTING	Responsible:	RICHARD HAINES
Address:	PRIESTLEY HOUSE - 28-34, ALBERT STREET B4 7UD BIRMINGHAM UNITED KINGDOM	Tel:	44 21 616 10 10
		Fax:	44 21 616 10 99
		Email:	

Participants:	ADEME	FRANCE
	ICAEN	ESPAÑA
	KFA-BEO	DEUTSCHLAND
	NATIONAL AGENCY FOR NEW TECHNOLOGY, ENERGY AND THE ENVIRONMENT	ITALIA

Action Nr: DIS-0103-1995-LU

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

Its aim is to make a technical, economical and environmental feasibility study of the implantation in the energy market of new technology based on the use of the most promising biomass resources applicable in the SaarLorLux regions for energetic production.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The action involves the following tasks :

Collection of all existing information : studies, proceedings of meetings or workshops, brochures, description of demonstration projects or experiences with the exploitation of existing installations.

Development of a method for screening and compiling the information material.

Compilation of the information on the various sub-regions supplied by the co-contractors into a report for the SaarLorLux region. This report will give ranking of the potential of the different types of biomass, for every sub-region separately, and for the SaarlorLux-region as a whole.

From that point it will be possible to conduct :

The description of the technological options for the energetic valorization for the selected high-potential biomass types, the assessment of the environmental impact in relation with the application of the technology, e.g. aspects related to the reduction of CO₂-emissions due to the substitution of fossil fuels by biomass, avoidance or reduce of organic waste disposal, the economical feasibility for every technology and the examination of the opportunities for and the barriers against the application of the considered biomass technologies.

Finally the following tasks will be achieved :

elaboration of scenario's for the market penetration of 'high potential' biomass technologies that where identified in the previous task. In this task particular attention will go to scenario's that include cross-border concepts and collaboration between the four sub-regions and compilation of the results of the complete action in a "SaarLorLux Biomass-Energie Action Plan".

Achieved Results

The theoretic potential of biomass for the production of energy was investigated for each region.

The most promising type of biomass are:

- The utilization of wood
- Biomethanisation of liquid manure.

Considering these two promising types, the technical and economic investigations have been carried out regarding their application. The results are compared to conventional heat or power production.

For the economical evaluation, a comparison of the heat price of the conventional gas or oil-fired system with the wood-fired system was made including the capital costs for the investment, the fuel costs and the maintenance of the installation. The calculation is based on a lifetime of 15 years. An interest rate of 6% and a yearly maintenance costs of 1,8% of investment for the wood-fired system and 1% for the conventional-fired system. It became clear that within the region there are different bordering conditions for this application. To make the decision makers aware of the fact that one of the biggest obstacles is not the technology but different legislative and administrative obstacles targeted actions to decision makers are proposed. With this action the decision makers will learn the different approaches within the different countries of the region. The main actions that have been proposed are dissemination activities, market initiatives and introduction of CO₂-tax.

Finance

EU Support: 100.000 ECU

Eligible cost: 125.000 ECU

Contact

Co-ordinator: LUXCONTROL SA
 Address: 1, AV. DES TERRES ROUGES
 4004 ESCH-SUR-ALZETTE
 LUXEMBOURG

Responsible: RALF GOLDMANN
 Tel: 00352 54 77 11 282
 Fax: 00352 54 77 11 266
 Email: energie@luxcontrol.com

Participants: ADEME LORRAINE
 INSTITUT WALLON / ENERGIUM 2000
 SAARLÄNDISCHE ENERGIE AGENTUREA

FRANCE
 BELGIQUE
 DEUTSCHLAND

Action Nr: DIS-0109-1995-GB

Starting Date: 17-Oct-95

COMPLETED

Aims and objectives

Main objective: to pass the message of Community funded technologies, and THERMIE Programme in General.

Description

- Participation in Papex '95 (Exhibition for the paper board and making industry).
- Papex 95 will be run alongside other events for the paper industry:
 - EUCEPA symposium on recycling,
 - Research review,
 - Conference on Management and Safety.

Achieved Results

Stand occupied 66m2 and displayed 12 posters on general THERMIE topics and 6 on specific THERMIE projects. Also video plus some models. 80 visitors interviewed, mainly equipment suppliers and paper-making companies.

Questionnaires completed and analysed. THERMIE information brochures given out.

Awareness of THERMIE and specific projects was raised. Only 44% of visitors had heard of THERMIE prior to event.

Possibility of wider implementation of THERMIE projects plus future applications for THERMIE support.

Business Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audio-assessment

Study

Electronic Catalogue

Other

Finance

EU Support:	52.500 ECU	Eligible cost:	52.500 ECU
-------------	------------	----------------	------------

Contact

Co-ordinator: MARCH CONSULTING GOUP
 Address: TELEGRAPHIC HOUSE, WATERFRONT 2000, SALFORD QUAYS
 M5 2XW MANCHESTER
 UNITED KINGDOM

Responsible: I.R. BAILEY
 Tel: 44 161 872 36 76
 Fax: 44 161 848 01 81
 Email:

Participants: EKONO ENERGY LTD
 IDAE

SUOMI
 ESPAÑA

WORKSHOP ON "THIRD PARTY FINANCING AND COGENERATION IN THE PAPER INDUSTRY" DURING "PAPER WEEK"

RUE
IN

Action Nr: DIS-0110-1995-GB

Starting Date: 01-Jun-95

COMPLETED

Aims and objectives

To organise this workshop in parallel with the Papex '95 (see proposal DIS 109) In the workshop Community funded technologies would be presented, in particular in the field of cogeneration, and Third Party Financing (TPF) concept applied to the sector.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

Workshop organised as planned. Presentations on EU funding, THERMIE Projects, Co-generation, Third Party Financing. 5000 advertising leaflets produced and disseminated. Extensive telephone follow-up carried out. Effectiveness questionnaire completed and analysed.

Achieved Results

Positive reactions from delegates but disappointing numbers in the audience due to : low attendance at main exhibition and several competing events. Most delegates will now investigate TPF further. One will "probably" make THERMIE application.

Finance

EU Support:	42.940 ECU	Eligible cost:	42.940 ECU
-------------	------------	----------------	------------

Contact

Co-ordinator:	MARCH CONSULTING GOUP	Responsible:	I.R. BAILEY
Address:	TELEGRAPHIC HOUSE, WATERFRONT 2000, SALFORD QUAYS M5 2XW MANCHESTER UNITED KINGDOM	Tel:	44 161 872 36 76
		Fax:	44 161 848 01 81
		Email:	
Participants:	EKONO ENERGY LTD IDAE	SUOMI ESPAÑA	

Action Nr: SME-0112-1995-NL

Starting Date: 29-Dec-95

COMPLETED

Aims and objectives

To support a breakthrough of Flo-Ice and Binary-Ice technology by dissemination of experiences and stimulation of new applications in refrigeration and air conditioning industries within the EU.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

Assessment of the state of the art concerning ice slurry technologies by reviews, interviews and literature. Based on the reviews the most important factors for the introduction of ice slurry on a larger scale than so far has been realised, have been put in line. These factors deal with both technical and marketing aspects. The benefits of the use of ice slurries, as energy savings, environmental improvements by the replacement or minimisation of CFCs, HCFCs and HFCs, the problems and hurdles encountered for the introduction and some general hurdles for the introduction of a new technology like the general acceptance of a new, not yet proven or familiar, technology, etc. are given. The major stimuli for a market breakthrough are indicated as well.

Achieved Results

The final report (160p + appendixes) conclude :

- ice slurry technology, in particular FLO-ICE and BINARY Ice, is technically feasible. However for a wide spread introduction of this technology some technical and non-technical aspects have to be assessed.
- using ice slurry technologies, energy savings between 10 and 20% are expected in most applications for optimised systems.
- the applications of ice slurry technologies make it possible to use natural refrigerants like ammonia and hydrocarbons as replacements for ozone depleting and/or global warming substances like CFCs, HCFCs and HFCs.
- Ice slurry technologies are economically feasible in future depending on the opportunities for a real market breakthrough. Technological developments and market penetration play an important role in this.

Finance

EU Support: 60.000 ECU

Eligible cost: 60.000 ECU

Contact

Co-ordinator: TNO ME
 Address: LAAN VAN WESTENENK 501
 7300 AH APELDOORN
 NEDERLAND

Responsible: VAN GERWEN
 Tel: 31 55 49 37 69
 Fax: 31 55 49 37 40
 Email:

Participants: FRI-JADO BV
 INHAM REFRIGERATION TECHNOLOGY
 INTEGRAL TECHNOLOGIE GMBH
 SOLMECS FLO-ICE SYSTEMS

NEDERLAND
 NEDERLAND
 DEUTSCHLAND
 UNITED KINGDOM

ANALYSIS OF MARKET SEGMENTS AND OF THE MARKET PENETRATION POTENTIAL OF INTEGRATED URBAN TRANSPORT SYSTEMS

RUE

TR

Action Nr: DIS-0115-1995-FR

Starting Date: 01-Jan-96

COMPLETED

Aims and objectives

SITU 1 mainly consisted of the carrying out of market research relating to the integrated systems of displacements and of Urban Transport. A SITU is a system which includes several innovative technologies having a positive effect on energy consumption and the environment, which ensures a good combination between them but also with methods of organisation, such as those encouraging the development of the intermodality, the restriction of access of the private cars to the downtown area, the optimised management of parking, etc. SITU 1 had for main goals: to identify and count some SITU experiences undertaken in the European cities, to show what are the penetration of the SITU as well as their penetration potential in five years' time in 24 European cities, to formulate recommendations in order to encourage the penetration of the SITU on the market

Description

The work programme included three phases.

phase 1: Identification of eight candidate cities (of at least five different countries of the European Union), of which two organised a work session with site visits, these work sessions took place in Besancon (f) on 28 and 29/03/1996 and Mainz (OF) on 17 and 18/09/1996.

phase 2 : Validation of the classification and the questionnaire by the partners involved in the action, the realisation of the surveys and extension of the "pilot" network to 24 cities.

phase 3 : Organisation of the second work session at Mainz and meeting of all the contractors as well as the pilot cities associated with the project, the realisation of the summary and of the data analysis collected at the time of the surveys.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Achieved Results

This action showed that in five years' time, half of the cities surveyed will have set up a SITU while they are only 20% today, which represents an increase in the penetration rate of 140% between now and 2001 in relation to 1996. This action also showed that following technologies should constitute in five years' time the privileged acquisition prospects.

- concerning public transport (buses): buses with natural gas and rather far behind, hybrid buses, electric buses and dual-mode buses,

- concerning the individual vehicles: the systems of car-pooling and/or of car-sharing, electric vehicles and vehicles with natural gas

- concerning the municipal fleets: electric vehicles, vehicles with natural gas and dual-mode vehicles,

- concerning the management of movement flows and users' information: all the indexed systems should be subject of important purchases, namely: systems allowing the co-ordination of traffic lights, Operating Assistance Systems, systems of location of the buses by satellite, traffic control systems, Information Assistance Systems for the users of public transport and the information systems for the motorists in real time. However and for broader penetration of the SITU on the market, Municipalities need that accompanying measures and incentive are established, both at the level of the states and at the level of the European Union.

Finance

EU Support: 100.000 ECU

Eligible cost: 125.000 ECU

Contact

Co-ordinator: ENERGIE-CITES
Address: CHEMIN DE PALENTE 2
25000 BESANCON
FRANCE

Responsible: VALLAR JEAN-PIERRE
Tel: 33 81 50 73 51
Fax: 33 81 50 73 51
Email: enercit@besancon.net

Participants: ADEME
CENTER FOR RENEWABLE ENERGY SOURCES
CENTRE DE RECHERCHES ENERGÉTIQUES ET MUNICIPALES

FRANCE
ELLAS
SWITZERLAND

Action Nr: SME-0116-1995-PT

Starting Date:

COMPLETED

Aims and objectives

This action covers the wind energy industry in Portugal, and concerns the promotion of its development through action for the improved co-operation at business level, based on detailed analysis and definition of potential joint partnerships for site development.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The action will comprise five main tasks, summarised as follows :

- 1. definition and preparatory work, including a general assessment of the wind regime, and a first economic analysis of possible sites,
- 2. technical and business analysis, e.g. grid connection, turbine selection, types of contract, partnership,
- 3. administrative and economic analysis (general)
- 4. individual site analysis, wind potential, land access, etc.
- 5. individual project analyses and recommendation for further steps.

Achieved Results

Good global results have been obtained from the co-operation between Solarqui and Energiekontor. The following step is the building of two Wind Farms in Portugal at the end of 1997 and at the beginning of 1998.

Finance

EU Support: 72.000 ECU

Eligible cost: 120.000 ECU

Contact

Co-ordinator: SOLARQUI LDA
Address: RUA LUIS DE FREITAS BRANCO 42
1600 LISBOA
PORTUGAL

Responsible: F. MOITA
Tel: 01 3964683
Fax: 01 395 09 37
Email:

Participants: ENERGIEKONTOR

DEUTSCHLAND

Action Nr: DIS-0117-1995-NL

Starting Date: 01-Nov-95

COMPLETED

Aims and objectives

Disseminate knowledge concerning landfill gas opportunities. In particular, feasibility for each country involved of a National Landfill Gas Advisory Centre on the model of the Dutch existing Centre. Produce a guidebook on landfill gas utilisation and conversion.

 Business-Mission

 Seminar

 Workshop

 Exhibition-stand

 Conference

 Training

 Exhibition

Publication

 Audit-assessment

 Study

 Electronic Catalogue

 Other

Description

The action comprises of two phases:

- A survey on success factors for dissemination of landfill gas in the Netherlands; a survey on LFG in participating countries; a survey on feasibility of information or advisory centre in the involved partners countries (Phase I)
- Production of a handbook on landfill gas extraction and utilisation (Phase II). The guide will contain approximately 100 pages and will be made available in 500 copies in English and in 100 copies in the other languages (French, Finnish, Italian, Spanish, Portuguese).

The budgetary figures are referring to the sum of the two phases.

Achieved Results

Improved awareness of possibilities for LFG utilisation should lead to investment projects (see also Thermie B action n° DIS/0799/96/NL).

Phase I has led to a basic assessment of the suitability of launching a LFG Advisory Centre in the considered countries. Italy, Portugal and Spain look good candidates in that respect. Due to the smaller LFG potential in Finland, a simpler information activity should be envisaged for that country. Phase II led to the production of a hundred pages "guidebook on landfill gas extraction and utilisation divided into 2 parts : a general part (legislation, feasibility, contractual arrangements) and a technical part (landfill gas formation, extraction and utilisation).

Finance

EU Support: 132.000 ECU

Eligible cost: 150.725 ECU

Contact

Co-ordinator: NOVEM
 Address: PO BOX 8242
 3503 RE UTRECHT
 NEDERLAND

Responsible: KEES KWANT
 Tel: 31 30 239 34 58
 Fax: 31 30 231 64 91
 Email: nlnovkwk@ibmmail.com

Participants: CENTRO PARA A CONSERVAÇÃO DE ENERGIA
 CIEMAT
 EKONO ENERGY LTD
 NATIONAL AGENCY FOR NEW TECHNOLOGY, ENERGY AND THE ENVIRONMENT

PORTUGAL
 ESPAÑA
 SUOMI
 ITALIA

MARKET INTRODUCTION IN FLANDERS OF STORAGE OF WINTERCOLD FROM AMBIENT AIR IN AQUIFERS

RUE

EI

Action Nr: DIS-0120-1995-BE

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

Implementation of cold storage in the flemish region of Belgium.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

Inventory of relevant organisations and companies in this area
Inventory of area in Flanders suitable for cold storage
Inventory of available knowledge in the Netherlands
The organization of workshops, seminar and visits to projects in the Netherlands
Creation of Promotion materials : leaflets, articles, video, posters.

Achieved Results

A co-operation agreement will be concluded between the research institute VITO, an engineering consultant and a drilling firm to realise cold storage projects.

The actions have resulted in a wide knowledge of ATES within the Belgium market and a number of feasibility studies. A first project has been realised in 1996 (CERA Bank headquarters), a second project is planned for the second part of 1997 (KLINA Hospital), five other potential projects are open for discussion, the users of the two projects have been accompanied and the legal authorities have informed to obtain the necessary permission to exploit the water bearing layer for the storage of thermal energy.

Finance

EU Support:	40.000 ECU	Eligible cost:	40.000 ECU
-------------	------------	----------------	------------

Contact

Co-ordinator:	VLAAMSE THERMIE COÛRDINATIE E.S.V.	Responsible:	HUBERT VAN DEN BERGH
Address:	BOERETANG 200 2400 MOL BELGIQUE	Tel:	014 335842
		Fax:	014 321185
		Email:	
Participants:	NOVEM VLAAMSE INSTELLING VOOR TECHNOLOGISCH ONDERZOEK	NEDERLAND BELGIQUE	

Action Nr: SME-0121-1995-DE

Starting Date: 01-Feb-96

ONGOING

Aims and objectives

To develop and design a small scale educational PV system that may be used for demonstration and education purposes in schools, companies, fairs; seminars, etc..., emphasis will be on detailed comparison of different applications and techniques. To provide for an in-depth learning and understanding of PV system characteristics, the system will consist of : - information and documentation material, including basic text book, video tapes and overheads, - Instruction material with description of experiments and work sheets - Software with data acquisition and simulation, dimensioning of PV Systems, - Hardware equipment.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

Development of the system concept; preparation of the textbook, design of computer software, preparation of videotapes, design and preparation of a small-scale thermal tracker, including a PV module and a module inverter suitable for a grid connection.

Expected Results

Provide understanding and practical training with PV applications. Potential applications of the system include :
 - training of employees of companies active in the field of PV,
 - school projects to increase awareness and familiarity with PV applications,
 - demonstration of PV applications on fairs.

Finance

EU Support: 75.000 ECU

Eligible cost: 83.000 ECU

Contact

Co-ordinator: ENGCO ADVANCED TECHNOLOGY GMBH
 Address: KRONPRINZSTRASSE 12
 70173 STUTTGART
 DEUTSCHLAND

Responsible: I. SAMAK
 Tel: 49 711 299 361
 Fax: 49 711 299 366
 Email:

Participants: TECHENERG LIMITED
 ZENTRUM FÜR SONNENENERGIE UND
 WASSERSTOFFFORSCHUNGSW

IRELAND
 DEUTSCHLAND

Action Nr: STR-0122-1995-GB

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

To assist the Commission services in the development and implementation of a strategy for the promotion of European Union innovative oil and gas technologies particularly those developed and demonstrated by small and medium size Enterprises (SME's)

 Business-Mission

 Seminar

 Workshop

 Exhibition-stand

 Conference

 Training

 Exhibition

 Publication

 Audit-assessment

Study

 Electronic Catalogue

 Other

Description

Establishment of sectorial marketing groups, each group with representatives from European SMEs, major contractors and oil E&P companies. The aim of the groups was to review the THERMIE measures for the promotion of innovative oil and gas technologies, and identify the barriers to market penetration for SMEs.

Achieved Results

Three marketing groups were established, grouped into the following sectors : Exploration and Drilling; Production and Facilities; Subsea and Pipelines, and managed by PSTI, IRO and FAST respectively. Preparation of strategy documents merging the main issues from these groups. Organisation of a workshop entitled "Overcoming the Barriers to the Market Penetration of European SME Oil and Gas Technologies", held in Delft on 13 February 1997. The task resulted in the establishment by the Commission of a strategy for the promotion of near market European hydrocarbons technologies which is more precisely tailored to the needs of the oil and gas Industry in the European Union. The end users of these technologies particularly the oil companies were made aware of the products emanating from the European SME's and the barriers to promote these products.

Finance

EU Support:	92.000 ECU	Eligible cost:	92.000 ECU
-------------	------------	----------------	------------

Contact

Co-ordinator:	CENTRE FOR MARINE AND PETROLEUM TECHNOLOGY	Responsible:	PJ BIGG
Address:	EXPLORATION HOUSE, OFFSHORE TECHNOLOGY PARK AB23 8GX ABERDEEN UNITED KINGDOM	Tel:	44/1224 706600
		Fax:	44/1224 706601
		Email:	p.bigg@cmpt.co.uk
Participants:	ASSOCIATION OF DUTCH SUPPLIERS IN THE OIL AND GAS INDUSTRY		NEDERLAND
	FEDERATION OF SCIENTIFIC AND TECHNICAL ASSOCIATIONS		ITALIA

STRATEGIC AND TECH. SUPPORT IN THE HC SECTOR-COLLABORATION WITH OPET NETWORK FOR PROMOTION/DISS/SUP FOR THIRD



Action Nr: SUP-0125-1995-GB

Starting Date: 01-Apr-95

COMPLETED

Aims and objectives

The objectives of this action are :

- to support the activities of the technical staff in the hydrocarbon section of DGXVII and of the other hydrocarbons OPET's
- to assist with the development of THERMIE promotional strategies and policy documents in preparation for future activities
- to provide the OPET network with promotional and dissemination support in energy sectors and to further the dissemination of THERMIE supported energy technologies to third countries.

Business mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit

Study

Electronic Catalogue

Other

Description

The strategic activity is a central element of the Thermie Programme. The support provided to the Commission can be divided into three phases : strategic and technical support for HC (which includes a.o. the assistance in developing a comprehensive strategy for the promotion of the Thermie Programme and to network with non-Thermie technology transfer centres); collaboration with the OPET Network for promotion and dissemination in other energy sectors and support to Third Countries promotional activities (included the submission to the EC guidelines for priority areas for the Thermie HC activity in C&EE and other Thrid Countries co-operation with international agencies that are active in North Africa and in China)

Achieved Results

As a result of this action, the publicity generated by the events and the publication, the general awareness of Thermie is becoming more widespread.

The annual call for proposals generates a large number of inquiries that lead to the proposal of approximately 100 contracts. In addition the RUE/RES literature is distributed on a day by day basis.

There is also an industry feedback to the activity.

Finance

EU Support:	48.000 ECU	Eligible cost:	48.000 ECU
-------------	------------	----------------	------------

Contact

Co-ordinator:	CENTRE FOR MARINE AND PETROLEUM TECHNOLOGY	Responsible:	PJ BIGG
Address:	EXPLORATION HOUSE, OFFSHORE TECHNOLOGY PARK AB23 8GX ABERDEEN UNITED KINGDOM	Tel:	44/1224 706600
		Fax:	44/1224 706601
		Email:	p.biggs@cmpt.co.uk
Participants:	ASSOCIATION OF DUTCH SUPPLIERS IN THE OIL AND GAS INDUSTRY		NEDERLAND
	FEDERATION OF SCIENTIFIC AND TECHNICAL ASSOCIATIONS		ITALIA

Action Nr: STR-0127-1995-GB

Starting Date: 01-Apr-95

COMPLETED

Aims and objectives

New version of an SME' directory (Name and adress of European companies) which will be made generally available to the industry. It is expected that such a document will generate a lot of interest in the hydrocarbons industry helping SME's search for appropriate partners to set up a common project, and encouraging cross border collaboration between SME's as well as between SME's and oil companies.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

Industry was contacted and asked for data which was then comparited

Achieved Results

The directory will assist the EC in identifying SME's operating in particular sectors of the hydrocarbons industry. This will assist in the efficient execution of THERMIE activities.

Also it will encourage greater cooperation between European SME's and SME's and oil companies.

1200 copies of the directory were produced, and distributed to all 800 organisations listed. Copies were also sent to FAST and IRO.

To date there has been excellent feedback to the directory, and PSTI has received more than 100 direct requests for copies from third parties, including oil companies, and academic institutions.

Finance

EU Support: 42.000 ECU

Eligible cost: 42.000 ECU

Contact

Co-ordinator: CENTRE FOR MARINE AND PETROLEUM TECHNOLOGY
Address: EXPLORATION HOUSE, OFFSHORE TECHNOLOGY PARK
AB23 8GX ABERDEEN
UNITED KINGDOM

Responsible: PJ BIGG
Tel: 44/1224 706600
Fax: 44/1224 706601
Email: p.bigg@cmpt.co.uk

Participants: KFA-BEO

DEUTSCHLAND

Action Nr: STR-0128-1995-GB

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

The European Oil and Gas Demonstration Project Inventory describes near market, innovative, non-EC funded projects.

Its purpose is to encourage closer links between European innovators, avoid the duplication of projects, and improve the efficiency of technological and commercial development.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The existing inventory will be updated after identification and selection of new projects.

Achieved Results

The inventory is expected to :

- encourage cross border collaboration amongst the oil and gas industry and technical institutions.
- provide the current status and details of technology projects being demonstrated by both SMEs and larger companies/institutions in the European Union.

Finance

EU Support: 30.300 ECU

Eligible cost: 30.300 ECU

Contact

Co-ordinator: CENTRE FOR MARINE AND PETROLEUM TECHNOLOGY
Address: EXPLORATION HOUSE, OFFSHORE TECHNOLOGY PARK
AB23 8GX ABERDEEN
UNITED KINGDOM

Responsible: PJ BIGG
Tel: 44/1224 706600
Fax: 44/1224 706601
Email: p.biggs@cmpt.co.uk

Participants: ASSOCIATION OF DUTCH SUPPLIERS IN THE OIL AND GAS
INDUSTRY
FEDERATION OF SCIENTIFIC AND TECHNICAL ASSOCIATIONS

NEDERLAND
ITALIA

Action Nr: DIS-0135-1995-GB

Starting Date: 01-Apr-95

COMPLETED

Aims and objectives

The aim of the EC's participation at the OTC exhibition is to promote THERMIE funded projects and demonstrate the latest European near market innovative technologies to the North American and other markets.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

This action involves the space selection and reservation at the conference, the identification of the EU participants, preparing catalogue entries and liaising with exhibition organisation, management of the mailing, attending the exhibition, management of the EU stand and reporting.

Achieved Results

EU stand exhibitors will have the opportunity to market their innovative technologies to a high quality audience, and as has happened in the past, conclude important sales, accelerate deals that are under discussion and establish business contacts with new potential customers. 33000 people attended the event and 1000 of them visited the Eu stand. 106 queries were dealt with. Approximately 100 OG technology newsletters were taken up as well as 150 flag brochures and 250 maxibrochures.

Finance

EU Support:	84.500 ECU	Eligible cost:	84.500 ECU
-------------	------------	----------------	------------

Contact

Co-ordinator:	CENTRE FOR MARINE AND PETROLEUM TECHNOLOGY	Responsible:	PJ BIGG
Address:	EXPLORATION HOUSE, OFFSHORE TECHNOLOGY PARK AB23 8GX ABERDEEN UNITED KINGDOM	Tel:	44/1224 706600
		Fax:	44/1224 706601
		Email:	p.biggs@cmpt.co.uk
Participants:	ASSOCIATION OF DUTCH SUPPLIERS IN THE OIL AND GAS INDUSTRY		NEDERLAND
	FEDERATION OF SCIENTIFIC AND TECHNICAL ASSOCIATIONS		ITALIA

Action Nr: DIS-0136-1995-GB

Starting Date: 01-Apr-95

COMPLETED

Aims and objectives

The aim of the EC's participation at EAEG/EAPG is to promote THERMIE funded projects and demonstrate the latest innovative European technologies to exploration personnel from oil and gas companies and representatives of exploration technology companies.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The activities include the identification and the selection of EU stand participants, the liaison with exhibitors, the attendance at the event and the follow-up.

Achieved Results

Approx. 600 people visited EU stand and 92 queries were dealt with. The high take-up of literature, particularly the more technical items such as flag brochures, is a clear indication of the quality of the visitors to the EU stand. The participants on the booth were selected from the exploration sector, their new geoscience technologies attracting a high degree of interest from the conference delegates.

Exhibitors may conclude important sales, accelerate deals that are under discussion, and establish business contacts with new potential customers. Results in longer run.

Finance

EU Support: 49.700 ECU

Eligible cost: 49.700 ECU

Contact

Co-ordinator: CENTRE FOR MARINE AND PETROLEUM TECHNOLOGY
 Address: EXPLORATION HOUSE, OFFSHORE TECHNOLOGY PARK
 AB23 8GX ABERDEEN
 UNITED KINGDOM

Responsible: PJ BIGG
 Tel: 44/1224 706600
 Fax: 44/1224 706601
 Email: p.bigg@cmpt.co.uk

Participants: ASSOCIATION OF DUTCH SUPPLIERS IN THE OIL AND GAS
 INDUSTRY
 FEDERATION OF SCIENTIFIC AND TECHNICAL ASSOCIATIONS

NEDERLAND
 ITALIA

OFFSHORE EUROPE EXHIBITION 5-8 SEPTEMBER 1995, ABERDEEN, UK

FF**OG**

Action Nr: DIS-0137-1995-GB

Starting Date: 01-Apr-95

COMPLETED

Aims and objectives

The aim of the EC's participation at Offshore Europe is to promote THERMIE funded projects and demonstrate the latest European near market innovative technologies.

Business-Mission

Seminar

Workshop

Exhibition-stand

Description

The activities include the reservation of a stand, the selection of EU technology companies, the promotion of Thermie and the follow-up of the event.

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Achieved Results

Approx. 240000 visited the event whereas 12000 the EC stand. Total queries were 67. The participants on the EU stand reported numerous new business contacts, some from remote locations such as Australian which they would not normally meet. The contacts included strong sales leads and the possibility of joint projects, in some cases between participants from different member states on the stand.

Finance

EU Support: 105.860 ECU

Eligible cost: 105.860 ECU

Contact

Co-ordinator: CENTRE FOR MARINE AND PETROLEUM TECHNOLOGY
Address: EXPLORATION HOUSE, OFFSHORE TECHNOLOGY PARK
AB23 8GX ABERDEEN
UNITED KINGDOM

Responsible: PJ BIGG
Tel: 44/1224 706600
Fax: 44/1224 706601
Email: p.bigg@cmpt.co.uk

Participants: ASSOCIATION OF DUTCH SUPPLIERS IN THE OIL AND GAS
INDUSTRY
FEDERATION OF SCIENTIFIC AND TECHNICAL ASSOCIATIONS

NEDERLAND
ITALIA

Action Nr: DIS-0138-1995-GB

Starting Date: 01-Mar-95

COMPLETED

Aims and objectives

The aim of the European Commission's participation at Oil and Gas Tyumen is to promote the THERMIE programme and help introduce innovative European technology to the oil industry and appropriate authorities in Tyumen and Western Siberia, and hence bring the exploration and production activities in this area up to Western standards.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

Organisation of a stand in the first oil and gas trade show organised by Russians in Tyumen, including selection of exhibitors, assistance and follow-up.

Achieved Results

Approx. 1500 people visited EC stand. The quality of exhibitors' stands was higher than anticipated, although of a much lower standard than that of Western trade shows.

Several letters :

Oil & Gas Technology Newsletter : 800 (100%) in Russian

Flag Brochures : Not applicable

Maxibrochures : 20 (100%) proceedings

Call for tenders documents : not applicable

Total items : 850

Good sales and business contacts in the former Soviet Union could be the results in longer run. By participating on the EU stand, Western European companies are given a platform to demonstrate their products and are able to assess the opportunities for investment and exploration/production activities in the Tyumen region.

Finance

EU Support: 104.280 ECU

Eligible cost: 104.280 ECU

Contact

Co-ordinator: CENTRE FOR MARINE AND PETROLEUM TECHNOLOGY
Address: EXPLORATION HOUSE, OFFSHORE TECHNOLOGY PARK
AB23 8GX ABERDEEN
UNITED KINGDOM

Responsible: PJ BIGG
Tel: 44/1224 706600
Fax: 44/1224 706601
Email: p.biggs@cmpt.co.uk

Participants: ASSOCIATION OF DUTCH SUPPLIERS IN THE OIL AND GAS
INDUSTRY
FEDERATION OF SCIENTIFIC AND TECHNICAL ASSOCIATIONS

NEDERLAND
ITALIA

Action Nr: SME-0139-1995-GB

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

The aim of the European Commission's participation at the 1996 OTC exhibition, the world's premier oil and gas show, is to promote THERMIE - funded projects and to demonstrate the latest European near-market innovative technologies to the North American and other markets.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

This action involves space selection and reservation, Identification / recommendation of EU stand participants to and approval by DG17, Preparation of show catalogue entry/show publicity material, Issue letters of invitation to stand participants, monitor response, Obtain exhibit equipment specifications, discuss stand design with contractor, Select and order stand promotional material, Organise exhibit equipment freight and insurance, Organise stand catering, Liaise with exhibitors to their attendance arrangements, Attend / Manage EU stand, Complete Event Report

Achieved Results

Good sales and business contacts worldwide. EU stand exhibitors have the opportunity to market their innovative technologies to high quality audience to conclude important sales accelerate deals that are under discussion and to establish business contact with new potential customers. Over 36000 people attended the event and approximately 1250 visited the Eu stand. 121 queries were dealt with. Approximately 150 O&G newsletters were taken up as well as 300 flag brochures and 300 maxibrochures.

Finance

EU Support:	39.000 ECU	Eligible cost:	39.000 ECU
-------------	------------	----------------	------------

Contact

Co-ordinator:	CENTRE FOR MARINE AND PETROLEUM TECHNOLOGY	Responsible:	JONATHAN SHACKLETON
Address:	EXPLORATION HOUSE, OFFSHORE TECHNOLOGY PARK AB23 8GX ABERDEEN UNITED KINGDOM	Tel:	44/1224 706600
		Fax:	44/1224 706601
		Email:	j.shackleton@cmpt.co.uk
Participants:	ASSOCIATION OF DUTCH SUPPLIERS IN THE OIL AND GAS INDUSTRY		NEDERLAND
	FEDERATION OF SCIENTIFIC AND TECHNICAL ASSOCIATIONS		ITALIA

PROSPECTS FOR PETROLEUM EXPLORATION TECHNOLOGIES (GEOSCIENCES) MARKET STUDY



Action Nr: DIS-0140-1995-GB

Starting Date: 01-May-95

ONGOING

Aims and objectives

To define the size and extent of the subsector market for petroleum exploration technologies. To identify the producers of such near market technologies from within the European Union Member States.
To establish an outlook for future trends and assess the present and potential non-EU competition.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

A market study has been realised and used for the preparation of a maxibrochure from the executive summary. This maxibrochure will be of interest to any oil and gas related company and oil and gas explorers interested in developers or users of innovative technologies.

Expected Results

The market study will provide market intelligence for the promoter and other European technology producers, and will be of use to the Commission when developing funding strategies for programmes such as THERMIE. 1000 copies of the maxibrochure will be printed. The maxibrochure will be of interest to any oil and gas related or/and exploration company interested in developers and users of innovative technologies.

Finance			
EU Support:	41.760 ECU	Eligible cost:	41.760 ECU

Contact			
Co-ordinator:	CENTRE FOR MARINE AND PETROLEUM TECHNOLOGY	Responsible:	JONATHAN SHACKLETON
Address:	EXPLORATION HOUSE, OFFSHORE TECHNOLOGY PARK AB23 8GX ABERDEEN UNITED KINGDOM	Tel:	44/1224 706600
		Fax:	44/1224 706601
		Email:	j.shackleton@cmpt.co.uk
Participants:	ASSOCIATION OF DUTCH SUPPLIERS IN THE OIL AND GAS INDUSTRY		NEDERLAND
	FEDERATION OF SCIENTIFIC AND TECHNICAL ASSOCIATIONS		ITALIA

NEW EUROPEAN TECHNOLOGIES FOR THE EXPLORATION AND EXPLOITATION OF OIL AND GAS RESOURCES

FF**OG**

Action Nr: SME-0145-1995-GB

Starting Date: 01-Oct-95

COMPLETED

Aims and objectives

The aim of this conference, the fifth one organised by the European Commission in the field of Hydrocarbons technology (one every four years), is to present the latest EU technological developments in the oil and gas sector to the industry and technology community.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The organisation of the event required four Organising Committee meetings. After the event, proceedings were distributed.

Achieved Results

Eighty-six technical papers from all the sector of the field of upstream hydrocarbons were presented in a series of parallel sessions. The plenary session included a round table panel discussion on "the strategic importance of oil and gas technology"

The conference acts as an effective platform for the dissemination of knowledge on the latest EU sponsored oil and gas technologies. It encourage cross-border collaboration and also the transfer of relevant technology to third countries. It helps raise global awareness of the THERMIE programme and its objectives.

Finance

EU Support: 150.000 ECU

Eligible cost: 152.810 ECU

Contact

Co-ordinator: CENTRE FOR MARINE AND PETROLEUM TECHNOLOGY
Address: EXPLORATION HOUSE, OFFSHORE TECHNOLOGY PARK
AB23 8GX ABERDEEN
UNITED KINGDOM

Responsible: PJ BIGG
Tel: 44/1224 706600
Fax: 44/1224 706601
Email: p.biggs@cmpt.co.uk

Participants: ASSOCIATION OF DUTCH SUPPLIERS IN THE OIL AND GAS
INDUSTRY

NEDERLAND

IDENTIFICATION AND PREPARATION OF "BANKABLE" ENERGY EFFICIENCY PROJECTS FOR EBRD AND THE EU

RUE
IN

Action Nr: DIS-0150-1995-GB

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

The main aim of this activity is to enhance the market penetration of Western European energy technologies in Central and Eastern Europe through the identification of "Bankable" energy efficiency projects matching the EBRD's Energy Efficiency Unit Criteria.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The program of work was divided into four phases :

- Project identification and evaluation
- Development of financial plans
- Identification of EU technology suppliers
- Dissemination and reporting.

With the agreement of EBRD and DGXVII, the investigations were limited to the Czech and Slovak Republics, Russia and Ukraine.

Achieved Results

The project has identified potential investments of 35-40 MECU at a large fertilizer manufacturer and 10 MECU at several smaller sites in Ukraine, 5 MECU at a chemical plant in Slovakia, 70 MECU at two co-generation plants in the Czech Republic. Potential projects in Russia in the Industry and District Heating sectors have also been investigated. The action has, to a large extent, been used as a testing ground for different situation and has played an important part in helping EBRD develop financing mechanisms which will be of value over the next few years.

Finance

EU Support:	182.000 ECU	Eligible cost:	300.000 ECU
-------------	-------------	----------------	-------------

Contact

Co-ordinator:	MARCH CONSULTING GOUP	Responsible:	I.R. BAILEY
Address:	TELEGRAPHIC HOUSE, WATERFRONT 2000, SALFORD QUAYS M5 2XW MANCHESTER UNITED KINGDOM	Tel:	44 161 872 36 76
		Fax:	44 161 848 01 81
		Email:	
Participants:	FRIEDEMANN & JOHNSON CONSULTANTS GMBH INNOTECH SYSTEMANALYSE GMBH	DEUTSCHLAND	DEUTSCHLAND

PREPARATION OF ENERGY TECHN. TRANSFER TO UKRAINE AND BELARUS

ALL
GEN

Action Nr: STR-0151-1995-GB

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

The aim of the project was to undertake a series of preparatory actions to stimulate energy technology penetration into Ukraine and Belarus's market. Specific aims were to :

- identify energy partner organisations from the EU and Ukraine and Belarus and provide a partner-to-partner mechanism to link those organisations with the ultimate aim to assist in the development of joint-ventures;
- seeking and developing projects suitable for EBRD, World Bank, EIB or other sources.

These actions will reinforce work already supported under THERMIE in a range of technologies (RUE, RES, FF), and complement and provide follow-up for actions which have taken place under TACIS programme.

Description

With support of the Energy Centers Kiev and Minsk, the following tasks were carried out :

- Identification of energy related products in 8 areas of interest in order to establish a priority list for energy technology assistance.

- Establishment of a database with interested organisations from both EU and Ukraine / Belarus' side

- Linking of the organisations in order to explore the potentials for establishment of joint ventures.

In parallel, a number of dissemination activities were run by the consortium. The Energy Centers presented the projects in three events during the year 1996.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Achieved Results

The role of this action was essentially that of a catalyst and involved promotion of the energy technology options available to these markets. The main priority areas identified were :

- UKRAINE : industrial space heating systems, meters, steam system equipment, lighting equipment.

- BELARUS : small & medium sized boilers, control systems for district heating systems, insulation, variable electrical speed drive systems.

In terms of medium achievements, the situation presented itself very differently in the two countries covered : the interest in the project was notably better in Ukraine than in Belarus, which is explained by the different political situation. Moreover, the project suggests that the high risk perception of EU organisations to get involved in joint-ventures and technology exchange under more fixed frameworks remains a major barrier for follow-up.

Nevertheless, the project could identify 4 matches for Joint Ventures development in Ukraine, whilst the success will need a more long term assessment for implementation. Deliverables of the project : Database on EU and Ukraine / Belarus' organisation, technology fact sheets on the priority areas.

Finance

EU Support: 90.000 ECU

Eligible cost: 90.000 ECU

Contact

Co-ordinator: MARCH CONSULTING GOUP

Address: TELEGRAPHIC HOUSE, WATERFRONT 2000, SALFORD QUAYS
M5 2XW MANCHESTER
UNITED KINGDOM

Responsible: I.R. BAILEY

Tel: 44 161 872 36 76

Fax: 44 161 848 01 81

Email:

Participants: BCEOM

FRANCE

TECHNICAL-JURIDICAL EUROPEAN FORUM ON RENEWABLE ENERGY:"EUROPEAN ENTERPRISES FACING TECHNICAL & LEGAL BARRIERS OF RES"

RES

GEN

Action Nr: STR-0153-1995-ES

Starting Date: 15-Jul-95

COMPLETED

Aims and objectives

The final aim of this forum is to contribute towards helping to obtain the objective fixed in the Madrid Declaration of a contribution of 15 % in Renewable Energy to the European energy system by the year 2010. The objective of the seminar proposed here for 1995 is to set up a brainstorming session, a place for dialogue between the Member States, local authorities, financial and economic operators and European businessmen, that presents with clarity the technical - juridical problems that face European companies and other entities working in the area of renewable energy.

This debate at European level will serve as a basis for the establishment of the foundations of a valid and effective technical - juridical framework for Renewable Energies in the European Union.

Description

Preparation of the forum by an Organising Committee and with the support of a questionnaire mailed to more than 4000 organizations in Europe.

Organization of a Forum structured around 4 round tables : Political - Institutional Barriers, Planning, Economic and Financial Aspects, Technological Barriers, Standardization, Energy Savings. Printing and distribution of the conclusions.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Achieved Results

The Forum took place at Sevilla on 23-24 November 1995 and was attended by 153 persons. A 25 pages brochure has been printed and distributed. It contained : a synthesis of the answers to the questionnaire, the summaries of the presentations, the round tables and general conclusions. A follow-up of this action has been supported in the framework of the Altener programme.

Finance

EU Support: 90.000 ECU

Eligible cost: 112.815 ECU

Contact

Co-ordinator: SODEAN
Address: C/ BOLIVIA 11
41012 SEVILLA
ESPAÑA

Responsible: M.L. BORRA MARCOS
Tel: 34 5 462 60 01
Fax: 34 5 462 63 01
Email:

Participants: BESEL S.A.
ENERGY CENTRE DENMARK
INSTITUTE FOR PROSPECTIVE TECHNOLOGICAL STUDIES, JOINT
RESEARCH
UNESCO

ESPAÑA
DANMARK
ESPAÑA
FRANCE

Action Nr: DIS-0154-1995-FR

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

To identify the key issues related to distribution and collection of freight in urban area. To describe relevant strategies implemented in EU Cities. To Assess energy and environmental impacts. To Analyse of the potential market for transferring strategies to other EU countries.

 Business-Mission

 Seminar

 Workshop

 Exhibition-stand

 Conference

 Training

 Exhibition

 Publication

 Audit-assessment

Study

 Electronic Catalogue

 Other

Description

This study has been organised in 3 phases : 1) Identify key issues related to urban freight transport in order to evaluate and characterise urban goods flows 2) Identify alternative strategies for urban freight transport management and evaluate their impact (by case studies)., 3) Analyse the market of alternative urban freight strategies for transferring in other cities.

Case studies of Monaco, Leiden, Amsterdam, Kassel, Zurich, Vejle and Bologna have been presented in the study and as well as an evaluation impact energy / environment of urban freight transport.

Achieved Results

The measures reviewed in the study meet a certain number of criteria for application forming part of the framework for a view of the town as a "place for living in" and a "place of production" and also respect the different poles of interest of the professional partners, public-heritage managers and citizens. These measures which have been the subject of numerous discussions with the aim of assessing their direct or indirect effects, their consistency, and their viability and acceptance, must go beyond the stage of scattered experiments and must seek wider application.

Both urban distribution centres and intermodal freight centres involve significant investment in infrastructure. The case studies on commercial best practice have shown that significant improvement in energy use and emissions can be produced by careful consideration of existing distribution practices.

Finance

EU Support: 110.000 ECU

Eligible cost: 110.000 ECU

Contact

Co-ordinator: BCEOM
 Address: PLACE DES FRÈRES MONTGOLFIER
 78286 GUYANCOURT
 FRANCE

Responsible: MOHAMMED MEZGHANI
 Tel: 33 1 30 12 49 90
 Fax: 33 1 30 12 10 95
 Email: seiabceom.fr

Participants: ETSU
 GOPA-CONSULTANTS
 IDAE
 INSTITUT WALLON / ENERGUM 2000
 TÜV RHEINLAND SICHERHEIT U; UMWELTSHUTZ GMBH

UNITED KINGDOM
 DEUTSCHLAND
 ESPAÑA
 BELGIQUE
 DEUTSCHLAND

Action Nr: DIS-0161-1995-BE

Starting Date: 03-Jan-96

COMPLETED

Aims and objectives

Production of a CD-ROM (and a complementary maxibrochure; see proposal DIS/162/95) on bioclimatic architecture covering 4 sub-sectors: passive solar energy, active solar energy, PV in buildings and environmentally friendly construction materials.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

This project consists of 5 tasks:

Task 1: Defination of general layout .

Task 2: Selection and updating of data, abstracts and translation.

Task 3: Adaptation and treatment of the selected data for CD ROM.

Task 4: Preparation of the CD ROM master copy.

Task 5: Publishing of the CD ROM.

Achieved Results

The CD-ROM have been produced :

approx. 3000 illustrated screens + hyperlinks or special feature; more than 300 photographs of exceptional quality and diversity; hundreds of coloured graphs and drawings; several 3-D animations; more than 1 hour of technical video clips; music at intro & on videos; complete general information on sector; 70 illustrated case studies in all sub-sectors, EU countries + USA; list of EC-DGXVII projects; extended international Directory of actors in the sector; 6 languages consultation; thousands of links throughout the CD-Rom screens; easy user friendly navigation system; direct print function; full search retrieval function; media gallery with pictures, videos, drawings or animations directly available in catalogues and link to data, maps for easy location of extended case studies in Europe; glossary of terms with their definitions and translations in 6 languages; selected publications; selected paths for Technical Schools and Universities; presentation path : overview on CD-ROM content; "Build your own path" feature : customised selected presentation can be assembled and isolated, saved or transmitted; conversion programmes; EC programmes.

Extensive marketing is taking place.

Finance

EU Support: 100.000 ECU

Eligible cost: 100.000 ECU

Contact

Co-ordinator: LIOR E.E.I.G.

Address: AVENUE AD. LACOMBLÉ 66
1040 BRUSSELS
BELGIQUE

Responsible: ERIC DAMIENS

Tel: 32 2 737 77 88

Fax: 32 2 732 66 08

Email:

Participants:

PREPARATION AND DISSEMINATION OF A MAXIBROCHURE TO PROMOTE BIOCLIMATIC ARCHITECTURAL DESIGN

RUE
RES
BU

Action Nr: DIS-0162-1995-BE

Starting Date: 01-Mar-96

ONGOING

Aims and objectives

Production and dissemination of a maxibrochure on bioclimatic architectural design to promote knowledge of the subject to European building designers and decision makers/producers of buildings. In parallel with the preparation of a CD-ROM (Ref.DIS/0161/95/BE) to present a large quantity of information which has been assembled, and in many cases generated, by UCD in the form of papers, books, photographs, diagrams and building data and computer software.

Description

The Maxi-brochure has been compiled outlining the general principles and showing a selection of built examples of bioclimatic architecture. Topics covered include : building site/microclimate design; passive and active solar design, including daylighting and photovoltaic systems; guidance on the selection of sustainable, environmentally-benign materials. The tasks undertaken are :

Task 1: Definition of content of the Maxi-brochure.

Task 2: Assembly of material and editing.

Task 3: Pre-press and printing.

Task 4: Dissemination.

The Maxi-brochure will serve as a promotional vehicle for the CD-ROM design aid, and is published in English in a format which facilitates efficient translation. It contains 24 full-colour pages and will be disseminated to 6000 European building designers.

Expected Results

The Energy Research Group's extensive database of over 8000 architects, engineers, professional journals, schools of architecture and other interested individuals and organisations in Europe will form the basis of targeted dissemination of a Maxi-brochure. In addition copies will be sent, as appropriate, to DG XVII's network (OPETs). The complete Maxi-brochure will be placed on the Thermie Internet/World Wide Web site established and operated by UCD enabling its on-line access, downloading and printing by any building professional in Europe (or world-wide).

The primary focus of the dissemination strategy of the Maxi-brochure will be to encourage the adoption of bioclimatic design principles and techniques in new and retrofit building projects throughout the EU, outlining the environmental, architectural and technical issues and showing a range of built examples of bioclimatic architecture.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support: 32.000 ECU

Eligible cost: 32.000 ECU

Contact

Co-ordinator: LIOR E.E.I.G.
Address: AVENUE AD. LACOMBLÉ 66
1040 BRUSSELS
BELGIQUE

Responsible: ERIC DAMIENS
Tel: 32 2 737 77 88
Fax: 32 2 732 66 08
Email:

Participants:

Action Nr: DIS-0164-1995-GB

Starting Date: 01-Jul-95

ONGOING

Aims and objectives

To publish 4 editions of the THERMIE cogeneration newsletter in English, French and German, over the next 2 years.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

For each edition of the newsletter, the following tasks are undertaken: identification of projects and collating related information; writing, editing, proofing, translating, printing and dissemination of the newsletters.

Expected Results

The newsletter is designed to stimulate interest in cogeneration, particularly amongst non-technical users, to maintain contact with and keep the interest of potential investors who do not yet have a cogeneration installation and to inform a wide audience on the Commission's efforts.

It is intended to print 6000 copies in English, 3000 in German and 2000 in French, Spanish and in Italian.

Finance

EU Support:	70.000 ECU	Eligible cost:	70.000 ECU
-------------	------------	----------------	------------

Contact

Co-ordinator:	ENERGY TECHNOLOGY PROMOTION LIMITED	Responsible:	MR SR BURGESS
Address:	BOX 93 WDDYN HOUSE, TREFLACH SY 10 9 HQ OSWESTRY, SHROPS UNITED KINGDOM	Tel:	44 691 679 299
		Fax:	44 691 679 299
		Email:	
Participants:	EUROPEAN ASSOCIATION FOR THE PROMOTION OF COGENERATION (EEIG)		UNITED KINGDOM

WORKSHOP ON PIPELINE INTEGRITY (DECEMBER 1996, TYUMEN)

FF**OG**

Action Nr: DIS-0169-1995-FR

Starting Date: 15-Aug-95

COMPLETED

Aims and objectives

The aim of the workshop is to highlight the importance of remote pipeline leak detection and to present latest innovative technologies available.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

8 EU companies from The Netherlands, Germany, Italy, UK and France have presented their technologies covering the following topics :
pipeline inspection and leak detection, corrosion prevention by addition of agents, cathodic protection, pipeline survey and repair, external and internal coating techniques, coating material, pipeline safety management.

Achieved Results

This workshop on pipeline has been very well welcomed by the audience which has expressed its interest for a more close cooperation with the EU specialised companies and wished that this workshop would be followed by others in other sites of Western Siberia.

The relations established during promotional Type B Actions in the oil and gas sector in Western Siberia could only have long term results : i.e. the creation of European-Siberian joint-ventures.

Finance

EU Support:	41.000 ECU	Eligible cost:	41.000 ECU
-------------	------------	----------------	------------

Contact

Co-ordinator: GROUPEMENT DES ENTREPRISES PARAPÉTROLIÈRES
Address: 1, RUE LOUIS BLANC , LA DÉFENSE
92038 PARIS LA DEFENSE
FRANCE

Responsible: M NINGLER
Tel: 33 1 47 17 68 65
Fax: 33 1 47 17 67 47
Email: gep@gep-france.com

Participants: ASSOCIATION OF DUTCH SUPPLIERS IN THE OIL AND GAS
INDUSTRY
GOPA-CONSULTANTS
OPET CESEN COMERINT

NEDERLAND
DEUTSCHLAND
ITALIA

SEMINARS ON "RESERVOIR ENGINEERING AND RESERVOIR MANAGEMENT"

FF**OG**

Action Nr: SME-0170-1995-FR

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

The aim of the seminar is to present the latest EU reservoir engineering and management practices, which lead to enhanced oil and gas recovery, to a Russian audience comprising of specialised engineers and executives from Siberia and surrounding regions.

Description

2 days workshop with presentation from UK, NL, and Portuguese companies and five Russian specialists. Discussions and receptions.

The programme is established by IRO with the support of the other contractors.

The list of the problems to be covered in the future will be dispatched to all participants from the EU and the contractors involved in this contract.

Achieved Results

Results are significant:

- Russian technicians are really interested to know about technologies used abroad.
- The EC Energy Centre is considered as a focal point for the transfer of technologies.
- The technologies presented by the EU companies interest the Russian oil industry.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support:	72.000 ECU	Eligible cost:	45.092 ECU
-------------	------------	----------------	------------

Contact

Co-ordinator: GROUPEMENT DES ENTREPRISES PARAPÉTROLIÈRES
Address: 45, RUE LOUIS BLANC, LA DÉFENSE 1
92400 COURBEVOIE
FRANCE

Responsible: M NINGLER
Tel: 33 1 47 17 68 65
Fax: 33 1 47 17 67 47
Email: gep@gep-france.com

Participants: ASSOCIATION OF DUTCH SUPPLIERS IN THE OIL AND GAS
INDUSTRY
GOPA-CONSULTANTS
OPET CESEN COMERINT

NEDERLAND
DEUTSCHLAND
ITALIA

WORKSHOP ON WELL REPAIR - FEBRUARY 1996, TYUMEN

FF**OG**

Action Nr: SME-0171-1995-FR

Starting Date: 01-Apr-96

ONGOING

Aims and objectives

The aim of the workshop is to present and promote the latest EU technologies dealing with the repair of specific damages to oil producing wells. The subject is of prime importance to the Russian Federation, where thirty six thousand oil wells are currently idle due mostly unknown reasons.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

1. Definition of workshop programme in close cooperation with the EC Energy Centre Tyumen.
2. Promotion of the workshop (by visiting Oil and Gas Associations and Industry, by advertising in Tyumen.
3. One day workshop in Tyumen. The workshop programme will include at least a presentation of EU co-operation programmes and of the EC Energy Centre Tyumen, four presentations of technologies performed by European Union experts, two lectures given by Russian specialists (separated by coffee breaks and lunch).

Expected Results

Rehabilitation of "sick" oil wells in Western Siberia. The workshop will initiate technical cooperation in this important area, including performance of actual rehabilitation tests, installation of relevant equipment required, etc. There should be 70 participants are expected at the workshop.

Finance

EU Support: 64.000 ECU

Eligible cost: 64.000 ECU

Contact

Co-ordinator: GROUPEMENT DES ENTREPRISES PARAPÉTROLIÈRES
Address: 45, RUE LOUIS BLANC, LA DÉFENSE 1
92400 COURBEVOIE
FRANCE

Responsible: M NINGLER
Tel: 33 1 47 17 68 65
Fax: 33 1 47 17 67 47
Email: gep@gep-france.com

Participants: ASSOCIATION OF DUTCH SUPPLIERS IN THE OIL AND GAS
INDUSTRY
GOPA-CONSULTANTS
OPET CESEN COMERINT

NEDERLAND
DEUTSCHLAND
ITALIA

Action Nr: SME-0174-1995-FR

Starting Date: 01-Apr-96

ONGOING

Aims and objectives

- Bring THERMIE information and promote energy technologies
- Analyse the state of energy technologies, at the less developed regions and SME's
- Advice these SME's for participating with THERMIE + Community programmes

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

Bring forward the evaluation and lessons drawn from DGXXIII EUROMANAGEMENT
 Select 6 to 10 SMEs in each of the 5 concerned countries (F, It, Gr, Sp, P) and carry out these interviews for identifying projects and potential partners to be supported by THERMIE A.

Expected Results

Increased cooperation between SMEs in the targeted fields (Agrofood, Cogeneration, RES) and development of joint projects.

This action has been implemented in order to support SMEs of less developed regions of Europe (Southern) in submitting THERMIE A proposals.

Finance

EU Support:	200.000 ECU	Eligible cost:	560.000 ECU
-------------	-------------	----------------	-------------

Contact

Co-ordinator:	ADEME	Responsible:	MR Y. LAMBERT
Address:	27 RUE LOUIS VICAT	Tel:	33 1 47652000
	75015 PARIS	Fax:	33 1 47652229
	FRANCE	Email:	
Participants:	AGENCE NATIONALE DE LA VALORISATION DE LA RECHERCHE	FRANCE	
	ICAEN	ESPAÑA	

ADM. SUPPORT AND COORD. OF DATABASES, MODELLING AND OTHER METHODS/TOOLS FOR DISSIMINATION

**ALL
GEN**

Action Nr: SUP-0180-1995-NL

Starting Date: 01-Jun-95

COMPLETED

Aims and objectives

Support/coordination for provision, processing and utilisation of database information, methodological backing by model application and other tools to manage successfully THERMIE activities and allow coordination with similar programmes in Member States; provide a focal point for these activities, inventory on availability and use of energy and environmental related databases in SME's

Description

Activities took place to ensure that the market impact and performance of the THERMIE programmes were increased. To do this effectively almost all activities were combined with preparation, assistance and support to measures within the framework of dissemination activities carried-out in- and outside the EU through OPET Specific Actions. Also support was provided to DG XVII and contractors in their effort to co-ordinate their activities in the field of databases and electronic communication. The commercially available databases in the field of energy and the environment are researched and analysed. The use of databases with information on energy efficiency was surveyed for a sample of SME's in Germany and The Netherlands. This information was used to develop a strategy to improve the use of DG XVII's databases and an advise for implementing this strategy.

Achieved Results

Information is available to improve the information structure and the information media for national and international dissemination of relevant information on energy efficiency for SME's.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support: 660.000 ECU

Eligible cost: 660.000 ECU

Contact

Co-ordinator: NOVEM
Address: SWENTIBOLDSTRAAT 21
6130 AA SITTARD
NEDERLAND

Responsible: T.W.M. HAANEN
Tel: 31 46 459 52 76
Fax: 31 46 452 82 60
Email:

Participants: ECO
ETM
FIZ KARLSRUHE
FRIEDEMANN & JOHNSON CONSULTANTS GMBH
OPET-CS EUROPEAN ECONOMIC INTEREST GROUPING

BELGIQUE
UNITED KINGDOM
DEUTSCHLAND
DEUTSCHLAND
BELGIQUE

Action Nr: DIS-0182-1995-PT

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

The introduction of Natural Gas in Portugal and Greece will have a considerable impact on their industrial sectors. Consequently these countries will need to search for information on the Natural Gas Technologies Market. This project aims at the identification of available gas technologies in the UK., Germany, France, and Italy, the collection of related data and the compilation of a data base and the dissemination of the information on the data base mainly to Portugal and Greece through workshops.

Description

The activity is first concentrated on the identification of natural gas technologies, split by industrial sectors, under the management of a steering group. The data are gathered and presented into a database. Finally the results will be disseminated through two workshops - one in Portugal and one in Greece.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Achieved Results

The objective of this project was fulfilled meaning that a great effort was done to prepare what we consider as a first step to an European database on Natural Gas Energy Technologies. Furthermore the Portuguese and Greek industrial sectors that are now introducing natural gas have a multimedia application that will help them in the selection of the existing Natural Gas Technologies. The next step to be taken will be to update this Database with more Portuguese manufacturers and/or suppliers of Natural Gas Technologies. This updated version of the database will be available in an internet site. In a near future we expect to update all the information in the database with the data from other countries of the EU and also to update the actual information from the countries that collaborated in this project.

Finance

EU Support:	145.000 ECU	Eligible cost:	145.000 ECU
-------------	-------------	----------------	-------------

Contact

Co-ordinator: CENTRO PARA A CONSERVAÇÃO DE ENERGIA
 Address: ESTRADA DE ALFRAGIDE, PRACETA 1, ALFRAGIDE
 2720 ALFRAGIDE
 PORTUGAL

Responsible: MR J DE JESUS FERREIRA
 Tel: 351 1 4711454
 Fax: 351 1 4711316
 Email:

Participants: ETSU
 FAST
 GOPA-CONSULTANTS
 LDK CONSULTANTS ENGINEERS & PLANNERS
 RÉSEAU DES AGENCES RÉGIONALES DE L'ENERGIE

UNITED KINGDOM
 ITALIA
 DEUTSCHLAND
 ELLAS
 FRANCE

PROMOTION OF USE OF COOLING STORAGE SYSTEMS

RUE

BU

Action Nr: DIS-0183-1995-PT

Starting Date: 01-Jan-96

COMPLETED

Aims and objectives

To reduce peak power demand in HVAC systems through the dissemination of cooling storage systems in Southern European countries. This will involve : identifying successful projects implemented in Southern European countries.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

During this action, the following tasks have been carried out:

- Bibliographical survey and characterisation of commercial systems available
- Identification of designers, manufacturers, importers and international suppliers of cooling storage technologies
- Listing of HVAC installations with cooling storage systems, in each participating country
- Contacts with owners, installers, suppliers and designers of each project, in order to obtain installations data
- Selection of installations for monitoring in the subsequent phase of the project
- Site visit and producing of a final report

Achieved Results

The main conclusions are that there is a need for more demonstration cases with adequate monitoring and simulation tools which are capable of demonstrating the differences between those systems and the conventional ones. There is also a need for simplified calculation tools for the analysis and sizing of these systems. In general more dissemination is needed and quantification at local level of the impacts of these systems on energy and environment.

Finance

EU Support: 86.000 ECU Eligible cost: 106.980 ECU

Contact

Co-ordinator: CENTRO PARA A CONSERVAÇÃO DE ENERGIA
Address: ESTRADA DE ALFRAGIDE, PRACETA 1, ALFRAGIDE
2720 ALFRAGIDE
PORTUGAL

Responsible: CARLOS NASCIMENTO
Tel: 351 1 4711454
Fax: 351 1 4711316
Email: dec.cce@mail.telepac.pt

Participants: CENTER FOR RENEWABLE ENERGY SOURCES
SODEAN

ELLAS
ESPAÑA

Action Nr: DIS-0187-1995-DE

Starting Date: 01-Jun-95

COMPLETED

Aims and objectives

Overall aim is to continue with the dissemination of the results from the EC's PV THERMIE and Demonstration programmes during the period from Spring to Autumn 1995.

More particularly, this will include the organisation and manning of a PV exhibition stand at the 13th EC PV Conference in Nice and technical support for the DG 17 participation at 3 PV events during this period.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

An exhibition stand at the 13th European PV-Solar Energy Conference was organised and 15 technical and informative display boards were compiled. A paper and poster was compiled and presented at the ISES Solar World Congress with particular emphasis rural electrification.

Achieved Results

A high proportion of THERMIE PV project contractors presented their results at the NICE meeting, and visited the THERMIE stand to discuss their ideas and priorities for the future. This allowed the full benefits of pan-European collaborative working to be realised

By presenting new results from THERMIE PV - programme an increasing growth in the international market for European PV technologies will be encouraged.

Finance

EU Support: 60.000 ECU

Eligible cost: 60.000 ECU

Contact

Co-ordinator: TSU TUV RHEINLAND SICHERHEIT UND UMWELTSCHUTZ GMBH
Address: AM GRAUEN STEIN
51 101 KÖLN
DEUTSCHLAND

Responsible: KLAUS DIETER TARLOWSKI
Tel: 49 221 806 27 23
Fax: 49 221 806 13 50
Email:

Participants: ETSU

UNITED KINGDOM

PROMOTION OF ENERGY TECHNOLOGIES IN THE BUILDING SECTOR, BASED ON SUCCESSFUL THERMIE PROJECTS

RUE
BU

Action Nr: DIS-0189-1995-IE

Starting Date: 01-Apr-96

ONGOING

Aims and objectives

To promote the results of successful THERMIE projects through a package of actions including newsletters, project summary leaflets, a poster exhibition and catalogue, and a specially structured meeting with specialist journalists.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

This action consists of three tasks:

Task 1: Updating and extending of the building sector databases through the use of a questionnaire. Raising awareness through utilisation of the UCD Journal database. Analysis of replies.

Task 2: Production of the following literature - a Newsletter about successful THERMIE building projects; a Newsletter about Building targeted projects.; a series of THERMIE project summary leaflets; posters about successful Building THERMIE projects, and a catalogue about the projects depicted in the posters in English, French, German, Spanish and Italian.

Task 3: Workshop on "Energy Concious Architectural Design for Journalists" held in Paris and organised by the European Association of Journalists in Construction.

Expected Results

Greater awareness of successful THERMIE projects to help the promotion and use of new energy technologies.

Finance

EU Support: 130.000 ECU Eligible cost: 209.650 ECU

Contact

Co-ordinator: UNIVERSITY COLLEGE DUBLIN
Address: SCHOOL OF ARCHITECT, RICHVIEW, CLONSKEAGH
DUBLIN 14
IRELAND

Responsible: JAMES OWEN LEWIS
Tel: 353 12 692750
Fax: 353 12838908
Email:

Participants: ICAEN
MOTIVA
O.Ö. ENERGIESPARVERBAND

ESPAÑA
SUOMI
ÖSTERREICH

STRAT. FOR EXTENDED USE OF DHC IN EUROPE, INCL THE CONTINUATION OF MARKETING GROUP

RUE

EI

Action Nr: STR-0193-1995-DK

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

The aim of the action is to explore the best strategic approach to the dissemination of knowledge on district heating and cooling technology. Furthermore the EU MG-DH&C will contribute to the identification of emerging technologies and prepare a Strategy Report for the promotion of district heating and cooling. From this starting point the Group has developed a number of ideas for promotional activities to be undertaken in the course of the project. In order to better structure this work, some specific target areas have been identified within which the activities will be initiated.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

During the project period the EU Marketing Group District Heating and Cooling has held five meetings in different european cities as the foras for the planning of the Group's promotional activities. Firstly, the planning has comprised provision of information material and events for the dissemination of information and secondly it has dealt with strategic approaches towards the opening of new markets inside the EU member states. Furthermore the Group has defined the specific actions which have been implemented during the course of the project.

Achieved Results

Strategy approach for dissemination and promotion of DH & C; Participation at 97 Euroheating Conference Exhibition in Arnhem; Creation of DH & C internet home page (<http://energi.dti.dk/ecd/dhe.htm>); Creation of international district heating logo.

An important output of the project (Phase 1) has been the preparation of a district cooling handbook containing a comprehensive overview of district cooling technologies and international markets. Furthermore, a successful meeting has been held in Portugal as the starting point for promotional activities in the field of district cooling.

Finance

EU Support:	100.000 ECU	Eligible cost:	100.000 ECU
-------------	-------------	----------------	-------------

Contact

Co-ordinator:	ENERGY CENTRE DENMARK	Responsible:	NILS DAUGAARD
Address:	P.O. BOX 141	Tel:	45 43 50 70 80
	2630 TAASTRUP	Fax:	45 43 50 70 88
	DENMARK	Email:	ecd@dti.dk
Participants:	EUROHEAT	BELGIQUE	
	EUROPEAN DISTRICT HEATING PIPE MANUFACTURERS ASSOCIATION	DANMARK	
	RÉSEAU DES AGENCES RÉGIONALES DE L'ENERGIE	FRANCE	

STRATEGY FOR THE DISSEMINATION OF WIND ENERGY IN EUROPE.

RES

WE

Action Nr: STR-0194-1995-DK

Starting Date:

ONGOING

Aims and objectives

The aim of this proposal is to accelerate the implementation of wind energy in Europe and thereby decrease the emissions of CO2 related to energy production. The consortium intends to set up a strategy for the dissemination of information on wind energy drawing on the important work already carried out in this field and by initiating complementary studies and analysis.

Description

- Analysis and studies : In this phase, the available information coming from prior or current activities such as market studies and surveys, publications and promotional material etc., in the field will be compiled and reviewed; the most recent and current developments will be reviewed in order to identify the key barriers still to be overcome and other issues will be addressed in the first phase of this work programme.

- RTD support

- Strategy development : This phase will draw extensively on the experiences to be proposed by the activity co-ordinator, will be set up, with the task of formulating a strategy for future activities, including proposals for specific actions to be undertaken in the near to medium term. the marketing group may be assisted when necessary by other experts working on an ad hoc basis;

It will be necessary to focus on different aspects of wind energy depending on the target groups. these target groups may include :- the general public and the media,- Government officials, politicians and opinion makers,- Electric utilities,- Banks, investors and insurances,- Schools.

The information will be specially tailored to these groups.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Expected Results

The strategy for wind energy drawn up as a result of the work and analysis of the consortium should result in a list of recommendations and specific proposals for actions on how to accelerate the implementation of wind energy in Europe. The recommendations should concern solutions to overcome the barriers which limit the wider penetration of the wind technology. Initiatives in this regard will be very important when wind energy is used in large scale. The specific proposals will concern relevant and necessary information on all aspects of wind energy disseminated through workshop, seminars, publications and campaigns. The actions proposed should lead to enhanced awareness among national and local decision makers and planners, utilities and potential investors concerning the environmental benefits of using wind power and further the knowledge of efficient wind energy technologies both in environmental and economic terms.

Finance

EU Support:	80.000 ECU	Eligible cost:	80.000 ECU
-------------	------------	----------------	------------

Contact

Co-ordinator: ENERGY CENTRE DENMARK
Address: SUHMSGADE 3
1125 COPENHAGEN K
DANMARK

Responsible: MS MALENE WIINBLAD
Tel: 45 33 11 83 00
Fax: 45 33 11 83 33
Email:

Participants: EUROPEAN WIND ENERGY ASSOCIATION

UNITED KINGDOM

IMPROVED COST-EFFECTIVE USE OF THE SKILLS AND EXPERIENCE AVAILABLE IN DK,SE, FI, (AND NO) FOR ENERGY TECHN. TO ALL SECT

**ALL
GEN**

Action Nr: SUP-0195-1995-DK

Starting Date: 01-Apr-96

ONGOING

Aims and objectives

To provide by means of a consortium of national energy organisations representing DK, SV and FI, a cost-effective enhancement of the widespread promotion and dissemination of results and the implementation of new energy technologies.

Description

Step 1: Establishment of a Scandanavian collaborating working team, including a Finnish sub-contractor.

Step 2: Development of a Scandanavian energy database, consisting of relevant contact persons in Scandanavian companies and institutions, including relevant Finnish institutions.

Step 3: Incorporating Finnish data in other databases and the development and maintenance of other information bases

Step 4: Identification of events suitable for the dissemination of energy technologies. Maintenance of a high profile for the Commission and national organisations as user friendly, knowledgeable sources of advice and relevant information on the implementation of efficient energy technologies.

Step 5: Assistance and participation in energy promoting activities where the Consortiums co-operation is in the interest of the EU. identification, utilisation and management of the best skills and experiences available throughout the Scandanavian countries (including Finland) for the production of documentary material.

Step 6: General dissemination activities, including identification of events suitable for the dissemination of energy technologies, also in Finland.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Achieved Results

This action has provided for the dissemination of new energy technologies throughout the Scandinavian countries :

- production of high quality documentary material
- participation in and / or organisation of workshops, seminars and conferences
- Utilisation of financial instruments and co-ordination with key financial actors
- co-operation with SMEs including the training of staff and the provision of comprehensive advice on energy efficiency matters
- co-operation with organisations such as Trade Organisations, professional organisations and international energy institutions.

Finance

EU Support: 90.000 ECU

Eligible cost: 90.000 ECU

Contact

Co-ordinator: ENERGY CENTRE DENMARK
Address: SUHMSGADE 3
1125 COPENHAGEN K
DANMARK

Responsible: MS KM PAGH NIELSEN
Tel: 45 33 11 83 00
Fax: 45 33 11 83 33
Email:

Participants: VATENFALL UTVECKLING AB

SVERIGE

DISSEMINATION OF THE RESULTS OF THE TRANSPORT TARGETED PROJECTS

RUE

TR

Action Nr: SUP-0198-1995-GB

Starting Date: 01-Dec-95

ONGOING

Aims and objectives

To disseminate the results of the targeted transport projects ANTARES, ENTRANCE and JUPITER

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

This action results in a common report detailing the results of the Targeted Transport Projects, supported by the THERMIE programme from 1993-1996. Twenty cities in eleven member states have been involved in the project.

Expected Results

The action will assist the development of markets for energy saving technologies in the urban transport / sector. The action will provide to decision makers the results and the efficiency of a wide variety of instruments (or tools) and measures that can be implemented in the urban area in order to support the overall strategy in transport and mobility.

Finance

EU Support: 70.000 ECU

Eligible cost: 106.200 ECU

Contact

Co-ordinator: MERSEYSIDE PASSENGER TRANSPORT EXECUTIVE
Address: HATTON GARDEN 24
L3 2AN LIVERPOOL
UNITED KINGDOM

Responsible: RICHARD BURLEY
Tel: 44 51 227 51 81
Fax: 44 51 236 24 57
Email:

Participants: BARCELONA TECNOLOGIA
STADT KÖLN

ESPAÑA
DEUTSCHLAND

MARKETING GROUP ACTIVITY BRICK AND TILE SECTOR

RUE

IN

Action Nr: DIS-0201-1995-IT

Starting Date: 29-Dec-95

COMPLETED

Aims and objectives

To develop appropriate strategies for the implementation of dissemination activities in the bricks and heavy clay industry.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

This action only includes the first year of operation of the Marketing Group. In this period the marketing group met 2 times and undertook the following activities:

- establishment and co-ordination of the group
- identification of the needs of the targeted audience
- identification of the barriers to the implementation of innovative energy technology
- formulation of a strategy and dissemination plan to overcome these barriers
- preparation of a progress report
- formulation of a methodology to evaluate the results

Achieved Results

The MG has identified three areas of interest (emission problems, lack of regulation and lack of specific technologies for the use of wastes) and has produced recommendations regarding innovative and energy efficient technologies and clay products as well as the use of wastes in the brick industry. In addition, an assessment report on the innovative technologies has been written. The result of this action is to strengthen cooperation with trade and professional associations and their involvement in dissemination activities.

Finance

EU Support:	50.000 ECU	Eligible cost:	50.000 ECU
-------------	------------	----------------	------------

Contact

Co-ordinator:	ICIE	Responsible:	PAOLO DE PASCALI
Address:	VIA NOMENTANA 133	Tel:	39 6 884 58 48
	00161 ROMA	Fax:	39 6 855 02 50
	ITALIA	Email:	
Participants:	ASS. COSTRUTTORI ITALIANI DI MACHINE E ATTREZZATURE PER CERAMICA	ITALIA	
	ASSOCIAZIONE NAZIONALE DEGLI INDUSTRIALI DEI LATERIZI	ITALIA	
	GOPA-CONSULTANTS	DEUTSCHLAND	
	IMPIVA	ESPAÑA	

THE ENERGY USE OF WASTES IN THE BRICK INDUSTRY

ALL

IN

Action Nr: STR-0202-1995-IT

Starting Date: 29-Dec-95

ONGOING

Aims and objectives

The main aim of this action is to undertake a study into the energy use of wastes in the Brick Industry and to contribute to the diversification of energy sources through the enhanced use of renewable energy sources. This will contribute to the reduction of emissions to the environment whilst reducing energy costs and maintaining high quality standards. Once complete the main results of the study will be disseminated through a specific publication which will be distributed among all of the sectors operators. The study is to include an overview of the state of the art of energy use of wastes, the trends and possible developments.

Description

Task 1 : - collection of data
- identification of suitable case studies, potentials for available energy efficient technologies and organisational structures,
- preparation of a synthesis report;
Task 2 : redaction of study
Task 3 : dissemination (500 copies)

Achieved Results

Task 3 under progress.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support: 60.000 ECU

Eligible cost: 75.000 ECU

Contact

Co-ordinator: ICIE
Address: VIA NOMENTANA 133
00161 ROMA
ITALIA

Responsible: MELCHIONI MARIELLA
Tel: 39 6 854 91 41
Fax: 39 6 855 02 50
Email: icie.rm@agora.stm.it

Participants: ASSOCIAZIONE NAZIONALE DEGLI INDUSTRIALI DEI LATERIZI
ETSU
GOPA-CONSULTANTS
IMPIVA
LIAISON OFFICE OF THE EUROPEAN CERAMIC INDUSTRY

ITALIA
UNITED KINGDOM
DEUTSCHLAND
ESPAÑA
BELGIQUE

MARKETING GROUP ACTIVITY ON THIRD PARTY FINANCING (TPF)

ALL
GEN

Action Nr: DIS-0207-1995-IT

Starting Date: 30-Jun-95

ONGOING

Aims and objectives

The main aim of this action is to develop a suitable strategy and implementing actions for the promotion and financing options with particular reference to Third Party Financing for energy technologies. This must increase and improve the utilisation and penetration of possible financing opportunities for the implementation of energy efficient and environmentally friendly technologies by precise targeting of promotional actions. It must also create a positive attitude towards innovative financial tools by those subjects who are the potential actors in TPF and identify where the potential demand for these tools come from and who the main suppliers of these tools could be.

Description

- Establishment and coordination of the Marketing Group whose members must include EU representatives, OPETs, Italian Financing institutions and regional/local authorities and may, when relevant, include European Banks and ESCOs;
- Identification of the need of the targeted audience and the barriers to the utilisation of financing opportunities;
- Formulation of an overall strategy and a description of the activities needed to inform the targeted audience and thereby overcome the barriers to the utilisation of financing opportunities.
- Preparation of a report detailing the results of the marketing group in areas described above;
- Formulation of a methodology to allow the evaluation of the results of the Marketing Group and of any recommended activities.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Achieved Results

5 periodic meetings of this marketing group were organised.

Finance

EU Support: 90.000 ECU Eligible cost: 90.000 ECU

Contact

Co-ordinator:	ICIE	Responsible:	PAOLO DE PASCALI
Address:	VIA NOMENTANA 133	Tel:	39 6 884 58 48
	00161 ROMA	Fax:	39 6 855 02 50
	ITALIA	Email:	
Participants:	AZIENDA ENERGETICA MUNICIPALE DI TORINO	ITALIA	
	CREDITO ITALIANO	ITALIA	
	ECOTEC RESEARCH AND CONSULTING	UNITED KINGDOM	
	FINPIEMONTE SPA	ITALIA	
	IDAE	ESPAÑA	

Action Nr: DIS-0211-1995-IT

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

An Italian ESCO is to be created in order to promote EU energy programmes in Italy.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

For the planning of an Italian ESCO the following tasks were fulfilled:

- Characteristics on an Italian ESCO
- Institutional and legal framework
- Typologies - profiles of partners "Elegible" to become part of an ESCO
- Type of work an ESCO is asked to develop
- Economic - Financial aspects
- Potential business share which could be covered by an ESCO
- The support of E.U.

Achieved Results

The project has resulted in the identification of the partners willing to become an ESCO and setting up its operation. Also a lot of experience has been built up in the field of legal and financial aspects. The establishment of ESCO's will be done in the next year.

Finance

EU Support: 100.000 ECU

Eligible cost: 110.000 ECU

Contact

Co-ordinator: ICIE
Address: VIA NOMENTANA 133
00161 ROMA
ITALIA

Responsible: PAOLO DE PASCALI
Tel: 39 6 884 58 48
Fax: 39 6 855 02 50
Email:

Participants: AZIENDA ENERGETICA MUNICIPALE DI TORINO
CORA-SEA
CREDITO ITALIANO
ECOTEC RESEARCH AND CONSULTING
FINPIEMONTE SPA

ITALIA
DEUTSCHLAND
ITALIA
UNITED KINGDOM
ITALIA

PROGR. TO PROMOTE INNOVATIVE HVAC AND LIGHTING TECHNOLOGIES IN LARGE RETAIL BUILDINGS USING INNOVATIVE FINANCING

RUE
GEN

Action Nr: DIS-0216-1995-DE

Starting Date:

COMPLETED

Aims and objectives

The overall objective of this action is to promote the reduction of energy consumption for heating, cooling and lighting through the implementation of innovative HVAC and lighting technologies within large retail buildings such as shopping centres, shopping malls ETC. This action will stimulate the market penetration of new, clean and efficient uses of energy and production. The retail sector is a huge market for innovative energy technologies.

Description

The action includes the following : 1. Assessment of the potential for implementation of specific energy efficient equipment in Meekelenburg-Vorpommern, Brandenburg and Sachsen-Anhalt; 2. A business mission; 3. Selection of technologies; 4. Analysis of best ways of diffusing information.

Achieved Results

The analysis showed that the potential for energy savings is high and that they can be carried out with acceptable pay-back periods, like 1 to 5 years. In many cases savings can be achieved with very low investments or in some cases even without investments. On the basis of this analysis a large mailing to around 300 retail stores has been carried out in Eastern Germany.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support: 100.000 ECU Eligible cost: 130.000 ECU

Contact

Co-ordinator: FRIEDEMANN & JOHNSON CONSULTANTS GMBH
Address: BERLINER STRASSE 2
64342 BERLIN
DEUTSCHLAND
Participants: BIRCH & KROGBOE A/S CONSULTANTS AND PLANNERS
EKONO ENERGY LTD

Responsible: JEFFREY JOHNSON
Tel: 49 6257 82092
Fax: 49 6257 84635
Email: f-j@f-j.f-net.eunet.de

DANMARK
SUOMI

CONDUCT INQUIRIES AT FAIRS AND EXHIBITIONS TO WORK OUT A GUIDE FOR THE IMPROVEMENT OF THERMIE EXHIBITION PRESENTATIONS

**ALL
GEN**

Action Nr: SUP-0217-1995-DE

Starting Date: 01-Jan-96

COMPLETED

Aims and objectives

The aim of this task is to conduct inquiries at fairs and exhibitions in order to analyse the benefits, image, opinion and attitudes and to help the Commission to better target its organisations of public events, in particular by the identification of the deficiencies.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

To improve the targeting and quality of exhibition stands representing the European Commission, a study was organised to determine the effectiveness of previous exhibition stands. The study comprised a structured interview with a representative sample of visitors to a typical selection of exhibitions and fairs. The goals of this survey were :

Stage of the project realisation

Ascertaining the level of influence the visit of the THERMIE stand on the participants

Ascertaining the level of influence follow-up activities on the decision process

The effective use in reference to the goals of the THERMIE programme

The study focussed on a panel visitors, selected at random, who had all visited THERMIE stands at four recent energy exhibitions. A group of experts devised and tested a questionnaire comprising 8 main categories of questions and a series of sub-questions. This half-structured technique enables an accurate analysis to be undertaken using a relatively small sample group. Each interview was conducted face to face and lasted for about one hour

Achieved Results

There is not directly a business opportunity in the classical way. As an additional effect note was taken about the "build of trust" which was mentioned by the interviewed persons, which was initiated by an EU-institution (DGVII) to learn about their "costumers".

The study concluded with a question regarding on-going and future projects in which the visitor is involved. A worthy portfolio of schemes was forthcoming, covering most energy technologies and a wide range of applications.

Finance

EU Support:

0 ECU

Eligible cost:

0 ECU

Contact

Co-ordinator: MARSCHALL PLAN
Address: MEHRINGDAMM 50
10961 BERLIN
DEUTSCHLAND

Responsible: MS A MARSCHALL
Tel: 49 30 785 50 98
Fax: 49 30 786 42 94
Email:

Participants: BRECSU OF BRE

UNITED KINGDOM

PREPARATION OF ENERGY TECHNOLOGY TRANSFER TO RUSSIA

**ALL
GEN**

Action Nr: STR-0219-1995-DE

Starting Date: 01-May-96

COMPLETED

Aims and objectives

The project aimed at enhancing market-oriented energy technology co-operation with Russia focusing in particular on the Moscow and St. Petersburg region. The action comprised a series of technology transfer tasks as general promotional activities and the organisation of targeted workshops. Particular project steps were the assistance to create an energy technology newsletter, the creation of an energy technology database adapted to local technology requirements, training for utility managers, targeted press campaigns, workshops on energy efficiency in urban transport and feasibility studies in the field of urban public transport and reduction of water losses in DH networks. This action continues and follow up work already started under THERMIE I in Russia. It is also aimed at complementing the TACIS activities to underpin with concrete steps the European Energy Charter Treaty.

Description

Publications : Expanded folder of the Energy Centre Moscow, Moscow Center's regular newsletter, Carrying out press and media campaigns on energy technology topics. Training : installation of database on energy efficiency, training courses for engineers and operators of district heating systems. Advice : assistance to utility managers and other decision makers, support in arranging the participation of high level Russian experts and politicians at selected international events in the area of energy technologies,. Consultation services : advice to energy technology policy decision makers and industrialists. Studies : feasibility study on Comparison of Autonomous and centralised heat supply systems in Russia, master plan for urban public transport in St. Petersburg, proposals for newly developed Tacis project lines. Workshops / Seminar / Conferences / Exhibition : Workshop Enterprise housing devestiture project, workshop on UPT in St. Petersburg, support to and participation in a high level energy technology promotional event and exhibition : "International seminar and exhibition on co-operation between regional administrations, State energy supervisory departments, Utilities and Energy consumers within the Framework of the federal law on energy saving and the decree of the federal government on reorganisation of the state energy supervisory departments in the russian federation"

Achieved Results

A list of Western European suppliers of innovative gas technologies for industrial heating purposes has been provided on the request of the Russian side. The project supports the contacting of Western European and Russian companies. Topics are : selling of Western European innovative gas technologies to Russia and joint production

Building up of a strong co-operation with AVOK (Association of Russian Engineers for heating, ventilation, air conditioning, heat supply and thermal physic of buildings).

Arranging of supplier/consumer contacts for individual heat transmitting stations for buildings as follow-up of one article in the Moscow newsletter

Equipping of the Moscow city ring highway with energy efficient equipment and separate waste collection system.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support:	100.000 ECU	Eligible cost:	100.000 ECU
-------------	-------------	----------------	-------------

Contact

Co-ordinator:	INNOTEK SYSTEMANALYSE GMBH	Responsible:	MR A JAHN
Address:	KURFÜRSTENDAMM 199	Tel:	49 30 882 32 51
	10719 BERLIN	Fax:	49 30 885 44 33
	DEUTSCHLAND	Email:	
Participants:	FAST		ITALIA

WORKSHOP - OPTIMUM COMBUSTION CONTROL IN COAL-FIRED THERMAL POWER PLANTS

RUE

SF

Action Nr: DIS-0221-1995-DE

Starting Date: 30-Jun-96

COMPLETED

Aims and objectives

Exchange of experience regarding advanced coal and other fossil fuel combustion technologies and combustion control between plant constructors and operators and institutes in EU countries and some PECO.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

Phase 1 : Preparation of the workshop, DECON and SYNERGIA developed the programme of the workshop taking into consideration the experience in power plants, of enterprises in power plant erection as well as of scientific institutes regarding the optimum combustion control, Experts from Germany, Greece, Bulgaria, the Czech Republic and Poland have been selected, who held lectures and informed about experience regarding the programme topics, Participants from power plants and other involved institutions of the countries mentioned before have been invited for participation.

Phase 2 : Execution of the workshop and submission of the results, Execution of the workshop at the Technical University in Dresden, Germany (responsible DECON), Preparation of the workshop results for publication and submission of the final report on the project to EC (responsible DECON).

Achieved Results

A total of 25 participants (representing manufacturers, power plants, universities and service institutions and ministries) took part in the workshop. Some conclusions were:

-In the countries of Central and Eastern Europe, there exists a very large market for the modernisation of coal fired boilers

-Some existing power plants have already been successfully modernised with the result that the emission values were reduced markedly

-For the introduction of modern optimum combustion control systems some countries are in urgent need of cooperation with companies from EC-countries: Especially the Bulgarian experts stressed this necessity

-The combustion of coal that is high in energy and of low-calorific value is for some Eastern countries of great economic importance

-For the development of new systems in combustion control the industries extend research contracts to research institutes with great success

Finance

EU Support: 49.295 ECU

Eligible cost: 49.295 ECU

Contact

Co-ordinator: DECON
Address: NORSK-DATA-STR 1
61352 BAD HOMBURG
DEUTSCHLAND

Responsible: G. GERISCH
Tel: 49 06172 9460
Fax: 49 06172 9460 20
Email: decgev@ibm.net

Participants: SYNERGIA

ELLAS

MARKET STUDY OF ABSORPTION COOLING AND CHILLING TECHNOLOGIES FOR THE INDUSTRIAL SECTOR

RUE

IN

Action Nr: DIS-0223-1995-ES

Starting Date: 01-Oct-95

COMPLETED

Aims and objectives

To foster the introduction of absorption technology in chilling and cooling markets, through a market study

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The market study includes the setup of the methodology for the data collection of refrigeration demand from the different countries, the data collection itself, the evaluation of the absorption technologies, the setup of the methodology for collecting market potential, data collection and identification of the barriers and investment required, collection of regulations and formulation of a marketing strategy.

Achieved Results

The output is a market study with annexes and a management summary. This covers the implementation potential, the barriers, the dissemination strategies as well as the evaluation of required investments. A result of this action is a better knowledge of potential and of the barriers of the absorption technologies sector. In summary the final reports concludes :

- the total Real Potential calculated for the analysed countries (ES, NL, SE, FI, DE, DK, AT, GR) is the same as 205.7 MW of refrigerated potential that represents a 33.8% of Feasible Potential and only a 1.8% of Pendent Potential.

- Absorption technologies implantation has a low real potential. This is essentially due to absorption machines have low COP in relation with refrigeration machines with an electrical compressor. Absorption technologies are more important together with other energetic technologies as cogeneration. The combination of these technologies give a 1026.3 MW of refrigerated potential as a real global implementation in whole 8 countries analysed. This represents a feasible potential of 30.5% and 9.1% of the total refrigerated energy made by electric compressors nowadays can be make by absorption machines.

Finance

EU Support:	77.000 ECU	Eligible cost:	88.000 ECU
-------------	------------	----------------	------------

Contact

Co-ordinator:	ICAEN	Responsible:	C. MESEGUER
Address:	AVGDA DIAGONAL, 435BIS, ÀTIC 08036 BARCELONA ESPAÑA	Tel:	+34 3 439 2800
		Fax:	+34 3 419 7253
		Email:	
Participants:	ADEME PICARDIE	FRANCE	
	ASSOCIACIO DE TECNIS EN ENERGIA, CALEFACCIO I REFRIGERACIO	ESPAÑA	
	FRINTA SA	ESPAÑA	
	IMPIVA	ESPAÑA	

Action Nr: DIS-0226-1995-ES

Starting Date: 01-Oct-95

COMPLETED

Aims and objectives

The aim of the action is to support and participate in the works of the Mediterranean Solar Council in order to prepare the contribution of the Mediterranean Region to the "World Solar Summit" in 1996 in Harare, Zimbabwe. This summit is the culminating point of the so-called "World Solar Summit Process" initiated by UNESCO in 1993 with the collaboration of other international institutions, among which the European Commission.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The action tasks consist in the preparation for discussion and dissemination after approval of the document related to strategic and priority renewable energy projects for the Mediterranean area. The strategic projects are of regional interest and cover the 5 following topics: rural electrification, water desalination, education and training, information and communication, and industrial policies, co-operation and technology transfer. The national renewable energy projects are projects proposed as priorities in the field of renewable energy by the Mediterranean countries themselves. They will be grouped in a "Plan of action for the Mediterranean Region" in that field.

Achieved Results

Full and summary documents have been prepared for the 5 above mentioned strategic projects as well as for the national RES priority projects. They were presented for discussion at the "Mediterranean Solar Summit" held in Valetta, Malta on May 1996. The documents were subsequently disseminated through the suitable channels and presented as contribution of the Mediterranean Region to the "World Solar Summit" held on September 1996 in Harare.

The various meetings held between relevant actors in the framework of the "World Solar Summit Process" have favoured discussions about possible subsequent business activities.

The above strategic and national RES priority projects should be financed and implemented during the "World Solar Decade 1996-2005" which has been launched at the Harare Summit in September 1996.

Finance

EU Support:	100.000 ECU	Eligible cost:	200.000 ECU
-------------	-------------	----------------	-------------

Contact

Co-ordinator:	ICAEN	Responsible:	J.J.ESCOBAR
Address:	AVGDA DIAGONAL, 435BIS, ÀTIC 08036 BARCELONA ESPAÑA	Tel:	+34 3 439 2800
		Fax:	+34 3 419 7253
		Email:	
Participants:	ADEME CENTRE FOR RENEWABLE ENERGY SOURCES CENTRO PARA A CONSERVAÇÃO DE ENERGIA NATIONAL AGENCY FOR NEW TECHNOLOGY, ENERGY AND THE ENVIRONMENT	FRANCE ELLAS PORTUGAL ITALIA	

ORGANISATION OF TECHNICAL VISITS FOR UNESCO'S ANNUAL SUMMER SCHOOL

RES
GEN

Action Nr. DIS-0228-1995-ES

Starting Date: 01-Jun-95

COMPLETED

Aims and objectives

To complement the UNESCO's Summer School "Solar electricity for rural and isolated areas" by technical PV visits.
To connect European PV manufacturers and potential users/deciders in third (notably Mediterranean) countries.

Description

The project consisted of the following tasks:

Task 1: Identifying European countries and manufacturers, selection of sites and projects to be visited.

Task 2: Organisation and co-ordination of the visit in co-operation with UNESCO Summer School.

Task 3: Preparation of documents to be distributed to participants.

Task 4: Detailed assessment of this activity in respect of the participants.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Expected Results

To outline the competition of PV technologies in comparison to traditional energy sources.

To develop partnership and joint ventures between European manufacturers and third countries.

Finance

EU Support: 45.000 ECU

Eligible cost: 45.000 ECU

Contact

Co-ordinator: ICAEN
Address: AVGDA DIAGONAL, 435BIS, ÀTIC
08036 BARCELONA
ESPAÑA

Responsible: C. MESEGUER
Tel: +34 3 439 2800
Fax: +34 3 419 7253
Email:

Participants: ADEME

FRANCE

TRAINING AND DISSEMINATION ACTIVITIES IN LATIN AMERICA (TASK V)

RES**GEN**

Action Nr: STR-0234-1995-ES

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

The aim of this action is the promotion of renewable energy technologies for rural electrification in Latin America countries, through the diffusion of informative brochures about existing, successful installations.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

There were 2 phases to the work programme:

Phase 1: Production of information material about 10 existing successful demonstrative installations of renewable energy technologies.

Phase 2: The dissemination of this information at 4 major local energy events in order to promote EU renewable energy technologies, specifically the ones supported by the Thermie programme : at RECLIEN '96 in Cuba (March '96), at Congreso Int. Energia Solar in Costa Rica (May'96), at ENERLAC '96 in Brasil (June '96) and at ENERGIA '96 in Chile (October '96).

Achieved Results

This action has raised substantial interest among Latin America market players and energy authorities about the EU best available technologies that can be a solution to the local energy problems. It has paved the way for joint collaboration EU-LA companies necessary for the transfer of technology to take place.

Finance

EU Support: 120.000 ECU

Eligible cost: 120.000 ECU

Contact

Co-ordinator: ICAEN
Address: AVGDA DIAGONAL, 435BIS, ÀTIC
08036 BARCELONA
ESPAÑA

Responsible: MR JJ ESCOBAR
Tel: +34 3 439 2800
Fax: +34 3 419 7253
Email:

Participants: CEEETA PARTEX CPS
TEAM

PORTUGAL
ITALIA

A GLOBAL ENERGY STRATEGY FOR ENERGY AND ENVIRONMENT FOR EXPO'98 EVALUATION OF THE ENERGY PERFORMANCE OF EXPO98 BUILDING

RUE
GEN

Action Nr: STR-0238-1995-PT

Starting Date: 01-Mar-96

COMPLETED

Aims and objectives

The proposed project is related to the implementation of a global energy and environment strategy for Expo '98 (Lisbon World Exhibition of 1998) which represents a new urban development covering a surface of 350 hectares. The project aims mainly to establish strategies for the efficient use of energy, to develop demonstration projects in the field of passive and active technologies, to perform energy management at the urban scale and to create an observatory of energies and environment.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The actors of the project pursue the following specific objectives :

- a system for the evaluation of the energy performance of buildings will be established
- the implementation of this system will be made studying in depth a number of case studies
- appropriate actions of dissemination will be organised to reach the technical community
- a new background will be created in order to upgrade the national thermal standards for buildings

Achieved Results

Due to the accomplishments of this project, the application of simulation tools to the energy use in buildings has reached a state where reference data for Portugal has been determined and can give an orientation for the future development of the building stocks. The most important target groups for the dissemination of energy issues in buildings (the urban designers, architects and engineers) have been reached through the realisation of the seminars.

Finance

EU Support: 193.500 ECU

Eligible cost: 170.146 ECU

Contact

Co-ordinator: CENTRO PARA A CONSERVAÇÃO DE ENERGIA
Address: ESTRADA DE ALFRAGIDE, PRACETA 1, ALFRAGIDE
2720 ALFRAGIDE
PORTUGAL

Responsible: LUIS SILVA
Tel: 351 1 4718210
Fax: 351 1 4711316
Email:

Participants: COWI CONSULT
ETSU
PARQUE EXPO '98 S.A.
SODEAN

DANMARK
UNITED KINGDOM
PORTUGAL
ESPAÑA

PREPARATION OF ENERGY TECHNOLOGY TRANSFER AND COORDINATION OF INFORMATION DISSEMINATION IN THE BALTIC SEA REGION

**ALL
GEN**

Action Nr: STR-0239-1995-DK

Starting Date: 01-Mar-96

COMPLETED

Aims and objectives

The aim of the action are :

- To prepare guidelines for the penetration of energy technologies supported by the THERMIE programme in The Baltic Sea Area;
- To increase the impact of actions already started under THERMIE in the region and complement activities funded under the PHARE and SYNERGY Programmes;
- To help the transfer of EU energy technologies in the region and build upon existing EC Energy Centers activities and achievements.

Description

The project consists of the following 9 actions : 1. Business Seminar in Latvia for Wood procession industry on wood drying technologies, 2. Workshop in Estonia on alternative energy, 3. Business workshop in Poland in small hydropower technology, 4. Seminar in Poland in cogeneration policy, 5. Seminar in Riga on financing energy efficiency, 6. Workshop in Vilnius on energy efficiency in Buildings, 7. Preparation on energy engineers handbooks in Lithuanian language, 8. Assessment Landfill gas study in Poland.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Achieved Results

- Identification of biomass opportunities for EU energy technology suppliers,
- Promotion of energy efficient technologies through a series of targeted events,
- Co-operation with financing institutions for the financing of energy projects identified in the scope of the action.

Finance

EU Support:	170.000 ECU	Eligible cost:	170.000 ECU
-------------	-------------	----------------	-------------

Contact

Co-ordinator:	COWI CONSULT	Responsible:	MICHEL LARAIGNOU
Address:	PARALLELVEJ 15 2800 LYNGBY DANMARK	Tel:	45 45 97 22 11
		Fax:	45 45 97 21 14
		Email:	
Participants:	EUROPEAN TECHNOLOGY CONSORTIUM FRIEDEMANN & JOHNSON CONSULTANTS GMBH LUXCONTROL SA THE IRISH ENERGY CENTER	BELGIQUE DEUTSCHLAND LUXEMBOURG IRELAND	

DESIGN, PURCHASE AND USE A MOBILE TRAIN. WORKSHOP FOR TRAIN. SMES IN UK AND IE IN THE TECHN. AND OF ENERGY EFFICIENCY

RUE
GEN

Action Nr: SME-0248-1995-GB

Starting Date: 01-Oct-95

ONGOING

Aims and objectives

- To produce a Mobile Training Workshop(MTW) for use with SMEs in the UK and the Republic of Ireland to educate them in the use of energy efficient technologies and techniques.
- To design and build a MTW fitted with suitable audio visual equipment and seating for a 15 person audience.
- To produce suitable presentation material for SMEs in the UK and the Republic of Ireland and to train speakers in the use of this material.
- To provide training to Senior Managers of at least 1200 SMEs in the UK and the Republic of Ireland.

Description

The work programme is divided into two core tasks: design of ten vehicles and holding of the 1200 seminars in the UK and in the Republic of Ireland

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Expected Results

The training will enable SMEs to take direct action to reduce energy consumption and to reduce their CO2 production in their workplace. Therefore improving their competitiveness in international market places. It is anticipated that in its year of operation the vehicle will provide training to at least 1200 SMEs.

Finance

EU Support:	150.000 ECU	Eligible cost:	390.000 ECU
-------------	-------------	----------------	-------------

Contact

Co-ordinator:	ETSU	Responsible:	MR S JEFFCOTT
Address:	HARWELL 156	Tel:	44 235 433532
	OX11 ORA DIDCOT	Fax:	44 235 433548
	UNITED KINGDOM	Email:	
Participants:	THE IRISH ENERGY CENTER		IRELAND

Action Nr: DIS-0250-1995-GB

Starting Date: 26-Jun-95

COMPLETED

Aims and objectives

Continue the European Union Liquefaction Advisory Group (EULAG) activities and carry out three technological studies, assessing the need and priorities for further coal liquefaction RTD.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

Organisation and co-ordination of EULAG, production of economic evaluation model for coal liquefaction processes, and description and comparison of processes available for the production of transport fuels from solid fuels.

Achieved Results

Holding of two meetings of EULAG and completion of three studies:
 - identification of a common basis for the economic evaluation of liquefaction
 - comparison of different countries for the production of transport fuels
 - evaluation of co-processing options with industrial and manufacturers

The output of this action is a Lotus version of a generalised economic evaluation model which could be applied to processes based on solid feedstocks such as coal and biomass. These processes are capable of producing transport fuels that are similar to their conventional counterpart to be substituted directly within the existing infrastructure.

Finance

EU Support: 127.855 ECU

Eligible cost: 151.670 ECU

Contact

Co-ordinator: ETSU
 Address: HARWELL 156
 OX11 0RA DIDCOT
 UNITED KINGDOM

Responsible: MS J C HAWLEY
 Tel: 44 235 433532
 Fax: 44 235 433548
 Email:

Participants: ROEG UMWELTTECHNOLOGIE GMBH

DEUTSCHLAND

ENVIRONMENTAL ACCEPTABILITY OF RENEWABLE ENERGY TECHNOLOGY (PHASE 2&3)

RES
GEN

Action Nr: STR-0253-1995-GB

Starting Date: 01-Apr-96

ONGOING

Aims and objectives

The main aim of this proposal is to promote a wider utilisation of renewable energy sources by an analysis and cross - national comparison of non technical barriers in particular environmental and social acceptability. This project will develop a methodology for assessing the relative merits of different renewable energy supply technologies in order to assist in making rational decisions on the deployment of new renewable energy schemes.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The work programme has 3 phases

- 1) Review of implementation experience and planning in UK, Spain and Denmark.
- 2) Development of a model to quantify the environmental impacts and benefits of renewables
- 3) Peer review and publication of model and case studies.

Achieved Results

Phase 1, 2 and partly 3 performed. The most relevant approaches to evaluate environmental impacts were found to be : the classification approach, decision aiding techniques and monetary valuation. Since public acceptability of renewables at a local level is dependent on environmental impacts (rather than the cost of these impacts), then decision aiding techniques appear to be the most usefull approach for further development.

Finance

EU Support: 158.000 ECU

Eligible cost: 237.505 ECU

Contact

Co-ordinator: ETSU
Address: HARWELL 156
OX11 ORA DIDCOT
UNITED KINGDOM

Participants: ENERGY CENTRE DENMARK
IDAE

Responsible: MR TW THORPE
Tel: 44 235 433532
Fax: 44 235 433453
Email: tom.thorpe@aeat.co.uk

DANMARK
ESPAÑA

ASSESSMENT AND PROMOTION OF THE USE OF NEW TECHNOLOGIES ON EUROPEAN LIGNITES AND BROWN COAL.

FF

SF

Action Nr: DIS-0256-1995-GR

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

This action aims to facilitate dissemination of information and exchange of experience on the use of new technologies on European lignites and brown coal. It also aims to generate useful recommendations regarding the requirements for the application of those technologies on European lignites and brown coal and steps that should be taken to this end. These aims will be achieved through a study, the organisation of a workshop and the printing of the proceedings.

Description

The action included two major phases. In the first phase, we have critically reviewed past THERMIE projects and latest technological developments on European lignites and brown coal. In the second phase, we organised a Workshop in Athens.

Achieved Results

The result of the first phase have been incorporated in a comprehensive report for, while the Proceedings of the Workshop have been printed and distributed to all the participants and relevant authorities and organisation, together with information brochures of the THERMIE programme.

Succeeded to widely disseminate information on EU technologies, and bring together technology producers and major users to discuss the problems and latest developments in the field of clean technologies for lignite and brown coal.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support:	60.000 ECU	Eligible cost:	70.000 ECU
-------------	------------	----------------	------------

Contact

Co-ordinator:	SYNERGIA	Responsible:	MR T GOUMAS
Address:	APOLLON TOWER, 64 LOUISE REINCOURT STREET 115 23 ATHENS ELLAS	Tel:	30 1 64 96 1 85
		Fax:	30 1 64 96 186
		Email:	
Participants:	GOPA-CONSULTANTS OCICARBON	DEUTSCHLAND ESPAÑA	

PROMOTION AND COOPERATION IN THE FIELD OF THERMIE ACTIVITIES WITH THE BALKAN COUNTRIES

ALL
GEN

Action Nr: STR-0259-1995-GR

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

The action aimed at assessing the market potential for energy efficient technologies in the five Balkan countries of Albania, Bulgaria, Croatia, FYROM and Romania. Recommendations for future THERMIE actions focused on the needs of the region constituted the second aim of this project.

Description

The project consisted of three phases. The first phase included a critical review of the past and on-going work in Bulgaria, Romania, Albania, Croatia and FYROM, placing emphasis in revealing weaknesses, strong points, and unnecessary replications, as well as potential and expected results from the replication of successful projects and tasks within the examined programmes. This review provided essential input for the preparation of a workshop, under phase two, dedicated to recognising priorities for the future EU energy technology programme, and encouraging energy technology cooperation between the EU and the region. Finally, the Consultant represented THERMIE in regional energy technology related events in the Balkans, during the project's implementation.

Achieved Results

The action was particularly useful in informing and acquainting energy officials from the countries concerned with EU policies, programmes and THERMIE in particular. A complete overview of energy technology needs was achieved for each focused country. The study helped in the definition of sectoral priorities for THERMIE actions in coordination with other EU and international initiatives.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support:

80.000 ECU

Eligible cost:

80.000 ECU

Contact

Co-ordinator: SYNERGIA

Address: APOLLON TOWER, 64 LOUISE REINCOURT STREET
115 23 ATHENS
ELLAS

Responsible: MR VLONDACIS

Tel: 30 1 64 96 1 85

Fax: 30 1 64 96 186

Email: exergia@compulink.gr

Participants: CEEETA PARTEX CPS

PORTUGAL

ENVIRONMENTAL IMPACTS IN THE COST BENEFIT ASSESSMENT OF MODERN ENERGY TECHNOLOGIES

ALL
GEN

Action Nr: STR-0261-1995-GR

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

The main objective of the action is the further development of a systematic and conveniently applicable procedure for taking under consideration environmental costs in the cost benefit - analysis of energy systems (eg. Power plants, co-generation system, building applications, renewable energies etc.) The procedure will be applied to specific case studies involving best available technologies in several countries.

Description

The work comprised four tasks. The first task dealt with the familiarisation with the method, during which the method to be applied has been presented and analysed to the partners of the consortium. A common approach of the different energy sectors has been agreed between the partners. During the second task the selection of the case studies and of their counterfactual was made, using as main criteria the successful implementation and the marketability of the selected technologies, which are a biomass cogeneration system, an on-shore wind farm and the CNG bus. During the third task of the project the procedure was applied to these case studies and the results on the effect of the internalisation of the environmental costs in the cost-benefit analysis of the systems was extracted. The fourth task concerns the development of a publication with a complete description of the methodology, step-by-step, instructions for its application and the presentation of its case study.

Achieved Results

The evaluation of the energy technologies is currently based on pure techno-economic calculation without taking into account the costs arising from the direct beneficial or adverse effects of each technology on the environment, nor the cost concerning the remediation actions of the damaged environmental sectors. Therefore, the improvement of the cost-benefit assessment methods, the set-up of reliable costing mechanisms and the implementation of the cost-benefit analysis in the holistic consideration of energy technologies, will create new business opportunities in the sector of the services in general, and in particular of the technical, the economic and the environmental consulting and of the technology assessment practices.

We expect that the dissemination of the results of our action and the adequate follow-up actions, will assist in the development of investments for the introduction of cleaner energy technologies in the different sectors of economy.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support:	120.000 ECU	Eligible cost:	160.000 ECU
-------------	-------------	----------------	-------------

Contact

Co-ordinator: SYNERGIA
Address: APOLLON TOWER, 64 LOUISE REINCOURT STREET
115 23 ATHENS
ELLAS

Responsible: DR T GOUMAS
Tel: 30 1 64 96 1 85
Fax: 30 1 64 96 186
Email: exergia@compulink.gr

Participants: ECOTEC RESEARCH AND CONSULTING
INNOTECH SYSTEMANALYSE GMBH

UNITED KINGDOM
DEUTSCHLAND

PREPARATORY ACTIVITIES TO PROMOTE AND DISSEMINATE EU ENERGY TECHNOLOGIES IN THE CZECH REPUBLIC, HUNGARY, AND SLOVAKIA

ALL
GEN

Action Nr: STR-0262-1995-AT

Starting Date: 01-Mar-96

COMPLETED

Aims and objectives

The aim of the activity is to encourage the penetration of EU energy technologies into the markets of Hungary, Czech and Slovak Reps through the organisation of promotional events, training activities and dissemination of Thermie publications.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

- Study tour biomass installations to Austria and Germany
- Energy managers training
- THERMIE participation in major Energy fairs and dissemination of publications
- Seminar on energy efficiency in the hotel sector in Hungary
- Preparation of a guide on 'Developing ESCOs ; The European experience'

Achieved Results

Through this project business opportunities for EU technology providers were created to sell their products in the targeted countries.

Priorities for energy technology co-operation between the EU and those countries were also identified for improved energy efficiency and renewable energy sources.

Finance

EU Support: 160.000 ECU

Eligible cost: 160.000 ECU

Contact

Co-ordinator: O.Ö. ENERGIESPARVERBAND
Address: LANDSTRASSE 45
4020 LINZ
ÖSTERREICH

Participants: GOPA-CONSULTANTS
ICAEN

Responsible: CHRISTIANE EGGER
Tel: 43 732 6584-4380
Fax: 45 732 6584 4383
Email: esv1@esv.or.at

DEUTSCHLAND
ESPAÑA

INTEGRATION OF AUSTRIA IN THE EUROPEAN ENERGY TECHNOLOGY MARKET IN COLLABORATION WITH BAVARIA

ALL
GEN

Action Nr: SME-0263-1995-AT

Starting Date: 01-Jan-96

COMPLETED

Aims and objectives

This action aimed at integrating the Austria energy technology market into the European Union. The collaboration with Bavaria was chosen for the obvious reason of geographical proximity, common language and comparable market conditions.

Description

In order to disseminate the information about the THERMIE programme to a large public, different media campaigns and mailings were launched. The THERMIE advice service and the EU databases were promoted on different occasions on TV, on the radio as well as in different newspapers.

In addition to this, Austrian and Bavarian SMEs were prepared for the THERMIE Call for Proposals 1996 and 1997. In the framework of the Energiesparmesse between 1 and 3 March 1996 more than 25 advice meetings with Austrian and Bavarian companies and institutes were held. Part of the exhibition stand of O.Ö. Energisparverband was prepared in the EC corporate identity to attract as many interested people as possible and to underline the promotion and information activities of the European Commission.

Another activity consisted in the establishment of a study on the complementarity of the THERMIE programme with Austrian and other EU companies concerning the opportunities offered by the THERMIE, other EU as well as Austrian programmes in the field of energy technology. In addition to this, it provides information to the European institutions about the different existing programmes in Austria

Achieved Results

Through the extensive information service provided by the project partners numerous SMEs were informed about the opportunities offered by the THERMIE programme thereby enforcing their competitive technological position e.g. THERMIE A Project : Geothermal Installation Haag.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support: 80.000 ECU Eligible cost: 91.800 ECU

Contact

Co-ordinator: O.Ö. ENERGIESPARVERBAND
Address: LANDSTRASSE 45
4020 LINZ
ÖSTERREICH

Responsible: CHRISTIANE EGGER
Tel: 43 732 6584-4380
Fax: 45 732 6584 4383
Email: esv1@esv.or.at

Participants: ZENTRUM FÜR RATIONELLE ENERGIEANWENDUNG UND UMWELT DEUTSCHLAND

MEMBER STATE TECHNOLOGIES DEDICATED TO HELP THE ENERGY SELF SUFFICIENCY PROCESS OPTIMISING THE LOCAL RESOURCES

FF

SF

Action Nr: DIS-0270-1995-IT

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

The aim of the proposed seminar is to promote the knowledge of the technologies used in Europe, from revamping the old plants that use fossil fuel with the dual purpose of lengthening the useful life span and of improving efficiency and the environment. Particular attention will also be given to the review of the clean coal technologies that could be used for new projects.

The government of Ukraine has underlined the necessity to reduce the import of energy and one instrument to this aim is to improve the energy efficiency (saving + pollution control). In consideration of the fact that the Country has to rely on its own resources, the seminars' aim, in the light of improvement and a better utilisation of coal, has been an opportunity to exchange experience between Western and Ukrainian Experts, both in energy production and environmental control.

Description

The Seminar has seen the participation of European and Ukrainian Experts. The audience was qualified a very concerned and produced interventions by high level Responsibles of the Ministry of Coal, Energy and Academy of Sciences.

Achieved Results

For firms which produce technology to improve boilers efficiency, coal transport optimization. Interest has been shown by Ministry of Energy on the "coal slurry" technologies.
Opportunities for Service Companies in the sector of Managerial training and technological transfer.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support:	69.000 ECU	Eligible cost:	69.000 ECU
-------------	------------	----------------	------------

Contact

Co-ordinator: CESEN COMERINT
Address: VIA PAOLO DI DONO, 223
00142 ROMA
ITALIA

Responsible: MR A. ANTONIETTI
Tel: 39 6 51 990 696
Fax: 39 6 51990 722
Email: m.antonietti.comerint@agora.stm.it

Participants: INTERNATIONAL ECONOMIC + ENERGY CONSULTANTS
OCICARBON

UNITED KINGDOM
ESPAÑA

WORKSHOP ON ELECTRICAL UTILITY INITIATIVES - TASK 2 PACKAGE OF ACTIONS TO PROMOTE ENERGY EFFICIENT LIGHTING IN BUILDINGS

ALL

BU

Action Nr: DIS-0276-1995-GB

Starting Date: 01-Jun-95

ONGOING

Aims and objectives

To run a workshop directly after the right light conference in June 1995, targeted to electricity utilities - to prepare a summary paper on key points during the event.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

5 tasks have been organised for the completion of the action :

1. seeking co-funding for the workshop
2. administrative arrangements and preparation of a draft programme
3. identifying and inviting key participants
4. running the event
5. summary the salient points of the event and sending the resulting leaflet to electrical utilities in EU, key policies makers and IAEEL newsletter.

Expected Results

Better understanding of successes achieved, problems encountered and solutions adopted, and of the reluctance of some electricity utilities to promote energy efficient lighting systems.

Finance

EU Support:	22.670 ECU	Eligible cost:	40.420 ECU
-------------	------------	----------------	------------

Contact

Co-ordinator:	BRECSU OF BRE	Responsible:	MS C GARDEN/MR M TRIM
Address:	GARSTON WD2 7JR WATTFORD UNITED KINGDOM	Tel:	44 1923 664754
		Fax:	44 1923 664097
		Email:	
Participants:	CENTRO PARA A CONSERVAÇÃO DE ENERGIA	PORTUGAL	
	SWEDISH NATIONAL BOARD OF INDUSTRIAL AND TECHNICAL DEVELOPMENT	SVERIGE	
	UNIVERSITY COLLEGE DUBLIN	IRELAND	

TRAINING PACKAGE FOR ELEC. INSTALLERS-TASK 3 OF PACKAGE OF ACTIONS TO PROMOTE ENERGY EFFICIENT LIGHTING IN BUILDING

RUE

BU

Action Nr: DIS-0277-1995-GB

Starting Date: 01-Apr-96

ONGOING

Aims and objectives

To introduce participants to how they can improve energy efficiency in lighting and how they can market energy efficient lighting practices to their clients. This will be achieved through the running of four 1-day training courses targeted at electrical engineers.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Description

This action consisted of 6 tasks:

Initial planning of the course for installers;
development of the course for installers;
pilot course and obtain feedback;
finalise the presentations and handouts;
run three additional courses in the EU and
report on the effectiveness of the courses.

Training

Exhibition

Publication

Audit-assessment

Study

Expected Results

Demand for this kind of course has been already identified for Scotland. After a pilot course, it is intended to organise three additional ones, in Belgium, Ireland and Portugal.

Electronic Catalogue

Other

Finance

EU Support: 72.000 ECU

Eligible cost: 72.000 ECU

Contact

Co-ordinator: BRECSU OF BRE
Address: GARSTON
WD2 7JR WATTFORD
UNITED KINGDOM

Responsible: MS C GARDEN/MR M TRIM
Tel: 44 1923 664754
Fax: 44 1923 664097
Email:

Participants: CENTRO PARA A CONSERVAÇÃO DE ENERGIA
SWEDISH NATIONAL BOARD OF INDUSTRIAL AND TECHNICAL
DEVELOPMENT
UNIVERSITY COLLEGE DUBLIN

PORTUGAL
SVERIGE
IRELAND

IAEEL LIGHTING NEWSLETTER AND ARTICLES IN PROFESSIONAL PRESS - TASK 4 OF PACKAGE OF ACTIONS TO PROMOTE ENERGY EFFICIENT

RUE

BU

Action Nr: DIS-0278-1995-GB

Starting Date: 01-Sep-95

ONGOING

Aims and objectives

- to increase the circulation of the quarterly newsletter of the international association of energy efficient lighting (IAEEL)
- to write articles on THERMIE for IAEEL newsletter
- to write a series of articles for professional press

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The activity includes the selection of a person who will write the articles, but also the writing of those articles and their dissemination.

Expected Results

- Increased distribution of IAEEL newsletter from 3500 to 4000 people over 18 months
- Wider awareness of THERMIE and the benefits of energy efficient lighting
- Closer link with 4 journals in 4 EU Member States.

Finance

EU Support:	31.500 ECU	Eligible cost:	31.500 ECU
-------------	------------	----------------	------------

Contact

Co-ordinator:	BRECSU OF BRE	Responsible:	MS C GARDEN/MR M TRIM
Address:	GARSTON	Tel:	44 1923 664754
	WD2 7JR WATTFORD	Fax:	44 1923 664097
	UNITED KINGDOM	Email:	
Participants:	CENTRO PARA A CONSERVAÇÃO DE ENERGIA	PORTUGAL	
	SWEDISH NATIONAL BOARD OF INDUSTRIAL AND TECHNICAL DEVELOPMENT	SVERIGE	
	UNIVERSITY COLLEGE DUBLIN	IRELAND	

SYMPOSIUM "DECENTRALISED RURAL ELECTRIFICATION FOR A SUSTAINABLE DEVELOPMENT"

RES
GEN

Action Nr: SUP-0281-1995-FR

Starting Date: 01-Mar-95

COMPLETED

Aims and objectives

To provide updated guidelines to key actors (i.e. financing institutions, national development authorities, leading industries of the energy sector, large service companies, NGO's) about rural electrification of unequipped areas of the world.

To address recommendations to the Commission for sustainable development of the United Nations, within the framework of the 1995 theme on rural development.

Description

Preparation through a sponsoring and a programme committee of a large conference on decentralised rural electrification. Detailed discussions on the programme content and targeted selection/invitation of keynote speakers and participants from concerned developing countries.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Achieved Results

The symposium "Decentralised Rural Electrification for a Sustainable Development" (Marrakech, 13-17/11/95), was a great success. 350 persons from 35 nationalities attended the event. 20 invited teams working in Decentralised Rural Electrification programmes were present, as well as 15 major international organisations. Besides the seminar proceedings (838 pages) a document "Lessons learned" (24 pages) was also produced as well as a set of "Recommendations to the UN Commission on Sustainable Development" (16 pages). The seminar has shown an acute interest of the developing countries to enter in a process of accelerated rural electrification on a large scale, in order to promote a sustainable pattern of development where the natural trend to migration in capital cities might be balanced by an actual economic development in the rural areas.

Finance

EU Support: 70.000 ECU

Eligible cost: 529.000 ECU

Contact

Co-ordinator: ADEME
Address: 27 RUE LOUIS VICAT
75015 PARIS
FRANCE

Responsible: MR B DEVIN
Tel: 33 1 47 65 20 00
Fax: 33 1 46 45 52 36
Email:

Participants: IDAE

ESPAÑA

Action Nr: STR-0284-1995-FR

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

This action is to provide elements of a strategy for the EC and the actors of the foundry sector, in order to assess the energy impact on environment protection; to select the fields and sectors to be eligible for further support and to develop actions, particularly in terms of training and financing of projects

Description

The job involves the organisation of three marketing group meetings (Paris-bilbao-Brussels), the identification of the needs as perceived by the foundry sector in terms of supporting strategy (technologies, subsectors, etc.) and the elaboration of recommendations for assisting the European Commission in targeting this sector.

Achieved Results

The action results in strengthening of cooperation between actors within the sector, the design of operating tools for the development of the sector and the development of environmentally viable projects in the sector.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support:	40.000 ECU	Eligible cost:	50.000 ECU
-------------	------------	----------------	------------

Contact

Co-ordinator:	ADEME	Responsible:	AGNES MOREL
Address:	27 RUE LOUIS VICAT	Tel:	33 1 47652021
	75015 PARIS	Fax:	33 1 47650558
	FRANCE	Email:	
Participants:	ENTE VASCO DE LA ENERGIA		ESPAÑA

Action Nr: STR-0293-1995-FR

Starting Date: 01-Apr-96

ONGOING

Aims and objectives

To provide elements of a marketing strategy to the EU based on the advice of professional actors and the analysis of the potential development of efficient technologies in the building sector (retrofitting and new buildings).

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

This action consists in the organisation of six marketing group meetings, and four to six subsector meetings, the realisation of 12 small market studies in the two year period and the elaboration of recommendation for assisting the European Commission in targeting this sector.

Expected Results

Increased cooperation with professional associations - wider dissemination of best available technologies. The expected results are to develop the replication potential of EC supported projects, to improve the dissemination of innovative technologies, to assess the environmental impact of the dissemination of these technologies and to participate in the economic and social cohesion. Of course, a reduction of the energy consumption is expected.

This action has also the objective of encouraging the submission of proposals for funding through national and EC programmes, so it is expected to contribute in the emergence of such projects.

Finance

EU Support: 144.000 ECU

Eligible cost: 180.000 ECU

Contact

Co-ordinator: ADEME
 Address: 27 RUE LOUIS VICAT
 75015 PARIS
 FRANCE

Responsible: AGNES MOREL
 Tel: 33 1 47652021
 Fax: 33 1 47650558
 Email:

Participants: ICAEN
 UNIVERSITY COLLEGE DUBLIN

ESPAÑA
 IRELAND

DEFINITION OF STRATEGIES FOR THE DISSEMINATION ENERGY EFFICIENT TECHNOLOGIES FOR BUILDING RETROFITTING IN

RUE
BU

Action Nr: STR-0294-1995-FR

Starting Date: 01-Apr-96

ONGOING

Aims and objectives

To contribute to the definition of appropriate strategies for the dissemination of efficient energy technologies in building retrofitting

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

Identification of efficient technologies in the fields of space heating, air circulation and conditioning, envelope and integration, lighting

Evaluation of the potential for dissemination of efficient energy technologies in the building sector

Elaboration of a strategy composed of activities directed to specific actors of the sector

Technical support for the organisation of a european seminar.

Expected Results

Constitution of a guidance tool for regional and local authorities to access the potential of energy sources in targeted categories of buildings and to carry out programmes of building retrofitting, in order to, in a further stage, organise an european seminar.

Finance

EU Support:

64.000 ECU

Eligible cost:

64.000 ECU

Contact

Co-ordinator: ADEME
Address: 27 RUE LOUIS VICAT
75015 PARIS
FRANCE

Responsible: AGNES MOREL
Tel: 33 1 47652021
Fax: 33 1 47650558
Email:

Participants: ICAEN
UNIVERSITY COLLEGE DUBLIN

ESPAÑA
IRELAND

Action Nr: DIS-0297-1995-IT

Starting Date: 29-Dec-95

COMPLETED

Aims and objectives

Identification and census of the most advanced technologies relevant to the use of geothermal resources according to the different enthalpic status and the endogenous fluid characteristics.

 Business-Mission

 Seminar

 Workshop

 Exhibition-stand

 Conference

 Training

 Exhibition

 Publication

 Audit-assessment

Study

 Electronic Catalogue

 Other

Description

The first chapter illustrated the most significant applications of geothermal energy in fields different from the conventional production of electricity as district heating, industrial applications, agricultural and aquacultural projects with the presentation of world case histories, showing original technologies. The second chapter describes the existing technologies for electricity generation. The third chapter illustrates the problems and the solutions applied for the exploitation of low quality fluids (i.e. corrosion and scaling effects). The fourth chapter presents new ideas and solutions (both tested or experimental ones) for the exploitation of geothermal resources.

Achieved Results

The application of the most advanced technologies and the comparison of the experiences may lead to the exploitation of marginal geothermal resources and of low quality resources.

Business opportunities could be created from the diffusion of the results. As an example the connection with the University of Pisa (Earth Science Department) has been established in order to promote initiatives in district heating and greenhouses in Central Tuscany. The interest of potential investors has been proved but not applied until now.

As reported above, the interest of some public bodies and private investors has been assured but up to now no concrete investment projects have been implemented.

Finance

EU Support: 55.000 ECU

Eligible cost: 68.070 ECU

Contact

Co-ordinator: CESEN SPA
 Address: BRIGATE BISAGNO 2
 16129 GENOVA
 ITALIA

Responsible: MR R NANNINI
 Tel: 3910 5504670
 Fax: 3910 5504618
 Email: cesen@mailbox.iunet.it

Participants: BRGM/CITEG
 ZWECKVERBAND "REGIONALE ENTWICKLUNG UND ENERGIE"

FRANCE
 DEUTSCHLAND

DEVELOP. OF STRUCTURE OF THE PERMANENT FORUM (EUFORES), SET-UP FOLLOWING MADRID CONFERENCE IN MARCH 1994

RES
GEN

Action Nr: DIS-0301-1995-GB

Starting Date: 01-Jan-96

COMPLETED

Aims and objectives

To enable a minimum initial structure to be developed by EUFORES, the Permanent Forum set-up following the Madrid Conference "An Action Plan Renewable Energy Sources in Europe" in March 1994 and to assist in defining possible mechanisms to enlarge the organisation in the future.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The action comprises of 4 Phases

Phase 1: Identification of major actors/actor groups with a potential interest in joining EUFORES. Compilation of a database of these potential members.

Phase 2: Contact will be made with all those identified during phase 1 to explain the work of EUFORES and invite their participation.

Phase 3: All those interested in participating will be sent documentation, application forms etc.

Phase 4: An evaluation of the results which will include an analysis of the responses and views expressed by the members. This evaluation will provide recommendations for EUFORES future development.

Achieved Results

Creation of a satisfactory base for EUFORES which will be in a position to co-ordinate negotiations between all involved RES actors, identifying areas of agreement and difference, and proposing actions to reach a broad consensus for the promotion of RES in the spirit of the declaration of Madrid.

An evaluation was made of the overall process followed, including an analysis of the responses and views expressed by the members. The results from this formed the basis for the recommendations made to EUFORES regarding possible mechanisms to enlarge the organisational, political, and financial resources available in the future.

-The need to establish a regular information flow, including a Newsletter and quarterly reports, to existing and future members, such as key facts about initiatives launched at EU, national and regional level; the creation of a WWW site for EUFORES; the need to improve the promotional activities, by focusing on target groups, and refining the information presented; to undertake marketing and commercially oriented activities to help ensure the financial security of EUFORES; to launch EUFORES activities throughout the EU Member States, particularly through elected bodies; the need to launch some activities targeted towards organisations, companies and administrations from northern European countries, in order to have a wider EU role; the need to improve links between the members of EUFORES and the European political and administrative bodies, these already yielded good results and should be enhanced.

Finance

EU Support: 49.000 ECU

Eligible cost: 61.950 ECU

Contact

Co-ordinator: ENERGY TECHNOLOGY PROMOTION LIMITED
Address: BOX 93 WDDYN HOUSE, TREFLACH
SY 10 9 HQ OSWESTRY, SHROPS
UNITED KINGDOM

Responsible: MR S BURGESS
Tel: 44 1 691 679 299
Fax: 44 1 691 679 299
Email: 100712.1444@compuserve.com

Participants: BUREAU D'ETUDES PROSPECTIVE TECHNOLOGUE ET ENERGIE
FUNDACION CANOVAS DEL CASTILLO

LUXEMBOURG
ESPAÑA

Action Nr: DIS-0302-1995-GB

Starting Date: 21-Dec-95

COMPLETED

Aims and objectives

To prepare and disseminate the first edition of a newsletter in English, related to EUFORES, the Permanent Forum, set-up following the Madrid Conference in March 1994.

The newsletter promotes the exchange of information between the members of the Permanent Forum, all the actors involved in the renewable energy sector, and the general public. It is designed to notably stimulate interest in policy, technological, financial and information developments in this sector and to inform readership about the Forum's and its member's activities.

Description

To establish an editorial team for the newsletter which includes representatives from EUFORES. The editorial team is responsible for all aspects of preparing the newsletter, identifying projects, writing and editing texts, preparing page proofs, translations, printing (12000 copies) and co-ordinating the dissemination (via targeted mailshot, distribution at events and exhibitions and by the members of EUFORES) of the newsletter.

Achieved Results

After the successful production of this initial newsletter in the second quarter of 1996, EUFORES took over the production of a regular quarterly 4 pages newsletter which became, as the expression organ of the Forum, a regular feature of its information activities and of the developments in the renewable energy sector in EU.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support:	18.000 ECU	Eligible cost:	22.700 ECU
-------------	------------	----------------	------------

Contact

Co-ordinator: ENERGY TECHNOLOGY PROMOTION LIMITED
Address: BOX 93 WDDYN HOUSE, TREFLACH
SY 10 9 HQ OSWESTRY, SHROPS
UNITED KINGDOM

Responsible: MR S BURGESS
Tel: 44 1 691 679 299
Fax: 44 1 691 679 299
Email: 100712.1444@compuserve.com

Participants: BUREAU D'ETUDES PROSPECTIVE TECHNOLOGUE ET ENERGIE
FUNDACION CANOVAS DEL CASTILLO

LUXEMBOURG
ESPAÑA

FORMULATION AND IMPLEMENTATION OF AN EFFECTIVE SOLAR THERMAL TECHNOLOGIES DISSIMINATION STRATEGY

RES
SE

Action Nr: DIS-0305-1995-GR

Starting Date: 29-Dec-95

COMPLETED

Aims and objectives

To promote ST applications, notably in the public as well as in building sector
 To provide advice on priorities for dissemination activities
 To coordinate and to facilitate the information exchange among all actors involved in this field
 To support the European manufacturers of solar systems, which are SMEs
 To promote European standards and the quality of the products
 In general the group aims to strengthen the cooperation between OPETs, DG XVII and Professional and Industrial Associations and other real actors by placing the European interests as a priority input.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

Continuation of the previous activities of the STMG
 Suggestion of priority activities in the sector for overcoming the barriers impeding a further penetration of SE into the market
 Reinforcement of the link between the Commission and the market actors
 Identification of the market requirements and corresponding actions
 Realization of 3 meetings of the group, involving special actors
 Identification of the synergies between national and European activities
 Elaboration and presentation of an action plan for the promotion and dissemination of Solar Thermal Energy

Achieved Results

Based on the data of the European Solar Industry Federation, several business opportunities have been created, especially in North Italy, in Austria and in Tunisia
 The action plan which was formulated during this action will support in the realization of several investments (joint investment with Third Countries), the creation of a financing body of ST technologies, etc.

Finance

EU Support:	50.000 ECU	Eligible cost:	58.000 ECU
-------------	------------	----------------	------------

Contact

Co-ordinator:	CENTER FOR RENEWABLE ENERGY SOURCES	Responsible:	DIMITRIS PAPASTEFANAKIS
Address:	19TH KM ATHINON MARATHONOS AVE. 190 09 PIKERM ELLAS	Tel:	30 1 60 39 900
		Fax:	30 160 39 904 /11
		Email:	
Participants:	ADEME	FRANCE	
	AGENZIA PER LO SVILUPPO TECNOLOGICO DELL'EMILIA ROMAGNA	ITALIA	
	EUROPEAN SOLAR INDUSTRY FEDERATION	ELLAS	
	ICAEN	ESPAÑA	

Action Nr: DIS-0314-1995-FR

Starting Date: 29-Dec-95

COMPLETED

Aims and objectives

The aim of this action is to prepare, publish and distribute twice a year a 8-page newsletter on the topic of wood fuel and related ligneous biomass. Its objectives are to enlarge the knowledge on wood fuel technologies and their performances and to diffuse news coming from the various European countries.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

This 8-pages trilingual letter (English, French, German) deals with wood fuel and other ligno-cellulosic biomass technologies. Every issue includes an editorial, a leading article, short articles describing recent and innovative realisations, news from the Commission, information on technological economic, environmental ...aspects of biomass energy coming from the various European countries, and an interview of partners.

Achieved Results

Two issues of the letter have been published :Nb1-June 1996 and Nb2-February 1997. 4000 copies of the first issue have been printed, and 5000 copies of the second one, of which 2000 in English. The structure content of each newsletter was as indicated in the section "description" above. A targeted mailing has been realised of which a detailed record has been done. The newsletters have been well received. Many letters have been addressed to the contractor asking for additional copies, proposing new items, or congratulating for the idea and the content.

As examples of the content, one we can point out :

- the leading articles : Co-firing wood and coal and Combined heat and power from wood;
- the interview : The Styrian "miracle" and State and professionals determined to develop wood fuel in Finland.

A follow-up of this action will take place through action n° DIS-1579-1997-FR.

Finance

EU Support:	50.000 ECU	Eligible cost:	60.000 ECU
-------------	------------	----------------	------------

Contact

Co-ordinator: ADEME	Responsible: M. P. CORTE
Address: 27 RUE LOUIS VICAT	Tel: 33 2 31 46 81 00
75015 PARIS	Fax: 33 2 31 46 81 01
FRANCE	Email:

Participants: ASSOCIATION REGIONAL BIOMASSE NORMANDIE	FRANCE
ENERGY CENTRE DENMARK	DANMARK
LANDESKAMMER FUR LAND-UND FORSTWIRTSCHAFT STEIERMARK	ÖSTERREICH
ZWECKVERBAND "REGIONALE ENTWICKLUNG UND ENERGIE"	DEUTSCHLAND

CREATING AND LEADING A MARKETING GROUP OF WOOD-FUEL BODIES

RES**BM**

Action Nr: STR-0315-1995-FR

Starting Date: 29-Mar-96

COMPLETED

Aims and objectives

Creating and leading a working group of persons involved in the wood-fuel chain and who will propose solutions and recommendations to enlarge the spreading of technologies using wood as a fuel, notably by looking at the feasibility of creating an European association which could group equipment manufacturers as well as promotion organisations in the field of wood fuel.

Description

The partners of the consortium and in particular ADEME and ARBN form the core team which prepares and organizes the work of a marketing group on wood fuel composed of approx. 15 persons and grouping representatives of all sectors involved in the development of wood fuel : national and regional bodies active in the fields of energy/wood fuel/agriculture and forestry, equipment manufacturers, consultants, technical centres. Two meetings of the working group took place : one in Copenhagen after the 9th European Bioenergy Conference 24-27 June 1996 and a second one in Brussels on 7-8 March 1997. Working documents were prepared by the core team before the two meetings, taking also into account actions previously done or ongoing in the framework of Thermie or of the AFB-NETT of the ALTENER programme.

Achieved Results

Good quality synthesis working documents were prepared for the 2 meetings of the marketing group, making the point of the situation concerning the characteristics and problems/possible solutions of wood fuel development and promotion in the EU. Various aspects were analysed related to dissemination of best programmes and projects, cooperation between countries and regions, fiscal, financial and regulatory measures, position of the various categories of actors : energy operators, equipment manufacturers, agricultural and forestry organisations etc.

The feasibility of launching directly a EU wood fuel association seemed to be difficult, due notably to the multi-actors characteristic of the sector and the variety of specific interests. It would be necessary to co-ordinate the wishes and positions of the different actors groups around general consensus objectives related to sustainable development, rural and regional planning and environment protection. It looks more advisable to start from regional existing structures and to move from there in a co-ordinated way towards the possible creation of a EU association.

The working group has also produced comments on the EC Green Book "Energy for the future. Renewable energy sources".

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support: 75.000 ECU

Eligible cost: 85.000 ECU

Contact

Co-ordinator: ADEME
Address: CITIS AVENUE DE TSUKUBA
14209 HEROUVILLE ST CLAIR CDX
FRANCE

Responsible: P.CORTE
Tel: 33 2 31 46 81 00
Fax: 33 2 31 46 81 01
Email: ademe.-bn@caen.pacwan.nct

Participants: ASSOCIATION REGIONAL BIOMASSE NORMANDIE FRANCE
ENERGY CENTRE DENMARK DANMARK
LANDESKAMMER FUR LAND-UND FORSTWIRTSCHAFT STEIERMARK ÖSTERREICH
ZWECKVERBAND "REGIONALE ENTWICKLUNG UND ENERGIE" DEUTSCHLAND

Action Nr: DIS-0320-1995-DE

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

In continuation of two previous European Lecture Series, the proposed action will invite experts from other technology producers and users to address engineering students and young engineers of European Universities on clean coal technologies with the objective to strengthen the future engineering base in this field.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The action involves the liaison with industry and collaborating European organisation; the identification of lectures and universities, the production of the information material. The lecture will then take place and will be followed by an assessment.

Achieved Results

By enabling the audience to discuss the presented technologies the speakers and by focusing on practical aspects of these technology the lectures will contribute by providing the students with an orientation for future research activities or professional work prospectives.

Furthermore, the lecture series can be used as a platform to discussed JOULE/THERMIE promotion and information material since not only students but also technical personnel and young engineers for municipal and regional service companies and utilities are also going to be invited to attend.

Finance

EU Support: 60.000 ECU

Eligible cost: 100.050 ECU

Contact

Co-ordinator: GOPA-CONSULTANTS
 Address: HINDENBURGRING 18
 61348 BAD HOMBURG
 DEUTSCHLAND

Responsible: MR. SAUTER SERVAES
 Tel: 49 6172 9300
 Fax: 49 6172 35046
 Email: f_sauter-servaes@gopa.de

Participants: OCICARBON

ESPAÑA

ENVIRO. IMPACT OF ENERGY TECHNOLOGIES IN MEDITERRANEAN COUNTRIES: STRATEGY DEVELOPMENT FOR AUDITING & TRAINING

**ALL
GEN**

Action Nr: STR-0321-1995-DE

Starting Date: 01-Apr-96

ONGOING

Aims and objectives

Environmental auditing and training in the energy sector in Mediterranean countries of the EU is less vigorous and less widespread than in Northern European Countries. With the harmonisation of EU environmental legislation this difference should decrease. The aim of this project is to produce this harmonisation process focusing in particular on public utilities and independent producers (IPP's).

Description

In each country (Spain, Portugal, Greece, Italy) the following events/training sessions have been held :
a brainstorming session for preparation and getting the support of local power producers and relevant authorities, NGOs, research groups,
2 trainer audits conducted by consortium staff for demonstration and training
a seminar-like training session
2 trainee audits performed by trained plant staff supervised by consortium trainers
In addition, 2 strategy workshops have been held, one for Spain and Portugal, one for Greece and Italy, to identify and discuss existing barriers and incentives to go for EMAS (the EU Environmental Management & Audit scheme) and to discuss initiatives to foster further EMAS implementation

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Achieved Results

Enhanced cooperation between EU power producers
Promotion of installation of exhaust emission cleaning systems such as deSOx, deNOx or electrostatic filters
Promotion of innovative and energy-efficient combustion systems, such as liquefied bed combustion, low NOx burners, etc.
Promotion of recycling activities
In general : promotion of investments in power plants for an increase in energy efficiency and reduction of environmental impact caused by heat and power production

Finance

EU Support:	284.000 ECU	Eligible cost:	284.000 ECU
-------------	-------------	----------------	-------------

Contact

Co-ordinator: GOPA-CONSULTANTS
Address: HINDENBURGRING 18
61348 BAD HOMBURG
DEUTSCHLAND

Responsible: MR. SAUTER SERVAES
Tel: 49 6172 9300
Fax: 49 6172 35046
Email: f_sauter-servaes@gopa.de

Participants: CEEETA PARTEX CPS
CENTER FOR RENEWABLE ENERGY SOURCES
ECOTEC RESEARCH AND CONSULTING
ICAEN
ICIE

PORTUGAL
ELLAS
UNITED KINGDOM
ESPAÑA
ITALIA

TECHNICAL FAIR ON ENERGY TECHNOLOGIES 18,19,20 SEPTEMBRE 1996 IRAKLIO, CRETE

RUE
GEN

Action Nr: DIS-0323-1995-GR

Starting Date: 01-Dec-95

COMPLETED

Aims and objectives

To facilitate the dissemination of RUE & RES technologies to industrial (including SME's) service sector and residential energy users, by participation in the organisation of a technical fair on energy technologies, at the annual three-day UPEC conference.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The participation at the technical fair on energy technologies in Crete focused on the Renewable Energy Sources (RES) application and the Rational Use of Energy technologies (RUE). A selection of interesting technologies was undertaken to the diversity in these area :

- Solar/Thermal Electric Generation
- Wind Electric Generation
- Biogas Technology
- Hydro Electric Generation
- High Efficiency Technologies
- Energy Conservation in Industry
- Low Energy and Energy Efficient Buildings.

Achieved Results

The technical Fair on Energy Technologies was very successful in providing the appropriate forum for the establishment of many business contacts for the dissemination of numerous state-of-the-art technologies in RES and RUE. It, also, generated a lot of interest in the local public (Iraklio, and Crete) in the potential for valuable applications of the RES and RUE technologies. It, Therefore, fully achieved its aims, targets and purpose. Furthermore, the Coordinator of the Technical Fair Project assisted interested parties by providing consulting services, and has, also, established a data bank with valuable information for future contacts and activities. Last but not least, a firm co-operation was established between the three co-contractors which will be continued and expanded in the future.

Finance

EU Support:	30.000 ECU	Eligible cost:	30.000 ECU
-------------	------------	----------------	------------

Contact

Co-ordinator:	TECHNOLOGICAL EDUC. INSTITUTE	Responsible:	M. PAPAZOGLU
Address:	STAVROMENOS, PO BOX 1365	Tel:	3081 315055
	711 10 IRAKLIO	Fax:	3081 259253
	ELLAS	Email:	
Participants:	IKKELI I POLYTECHNIC/INSTITUTE OF TECHNOLOGY	SUOMI	
	UNIVERSITY OF PADERBORN	DEUTSCHLAND	

DISTRIBUTION OF CLEAN COAL TECHNOLOGIES NEWSLETTERS NO. 5,6 ON SOLID FUELS RELATED INFORMATION

FF

SF

Action Nr: DIS-0332-1995-ES

Starting Date: 01-Mar-96

COMPLETED

Aims and objectives

The Clean Coal Technologies Newsletters, to be published in 16,000 copies, is a form of dissemination which offers relevant information to a wide range of decision makers. The present proposal aims at the distribution of Newsletters no. 5 and 6 and other coal-related information (announcements, brochures etc.) in direct and efficient manner.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

Writing, printing and distribution of the articles.

Achieved Results

Using an extensive number of organisations with know-how and existing mailing lists, the Newsletters will reach quickly and efficiently their target audience. The distribution of the Newsletters together with other timely information related to Solid fuels will have a synergy effect on the dissemination of Solid Fuel Technologies.

Finance

EU Support:	33.000 ECU	Eligible cost:	56.000 ECU
-------------	------------	----------------	------------

Contact

Co-ordinator: OCICARBON

Address: AUGUSTIN DE FOXA 29
28036 MADRID
ESPAÑA

Responsible: F. ALEGRIA

Tel: 34 1 733 86 62

Fax: 34 1 314 06 46

Email:

Participants: CENTRO PARA A CONSERVAÇÃO DE ENERGIA
ENERGY CENTRE DENMARK
EURO- TECHNOLOGY MARKETING CONSORTIUM
LDK CONSULTANTS ENGINEERS & PLANNERS
TSU TUV RHEINLAND SICHERHEIT UND UMWELTSCHUTZ GMBH

PORTUGAL
DANMARK
BELGIQUE
ELLAS
DEUTSCHLAND

Action Nr: DIS-0344-1995-FR

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

In the framework of its activities within the THERMIE programme since 1994, JITEX has helped DGXVII to initiate fruitful collaboration in the energy field with Japan according to a fourfold method : dissemination of information on European energy technologies in Japan particularly those which are most likely to experience favourable economic development, provision of information on Japanese energy technologies to European actors as to strengthen European industrial competitiveness, valorisation of European potentials in innovative energy technologies with regard to Japanese actors.

Description

1) Publication of 2 newsletters in Japanese (THERMIE News 3 and News 4), 2) a newsletter in english (Japan Energy), 3) 3 market studies (Clean coal utilisation in Japan, Small hydroelectricity in Japan, Recovery and utilisation of energy in Japan), 4) 4 topical meetings, 5) lobbying of the japanese press. Actions 1,4,5 were aimed at disseminating information on THERMIE and other DGXVII's activities in Japan in order to promote European innovative technologies at an international level, while actions 2 and 3 were designed to disseminate information on Japanese innovative technologies in Europe to help European companies to internationalise their activities.

Achieved Results

The activity has raised many interests from both the Japanese and the European sides. All along the work, JITEX has received many additional requests - mainly to receive further information, but also to ask for support to initiate contacts between European and Japanese organisations ...

Thanks to the numerous requests to obtain further information on some technologies, and in certain cases the co-ordinates of companies involved in these technologies, it is expected that contacts will be taken between European and Japanese industrialists, in particular in the RES sector, for possible joint venture agreements.

 Business-Mission

 Seminar

 Workshop

 Exhibition-stand

 Conference

 Training

 Exhibition

 Publication

 Audit-assessment

Study

 Electronic Catalogue

 Other

Finance

EU Support: 160.000 ECU

Eligible cost: 160.000 ECU

Contact

Co-ordinator: JAPAN IN TIME EXPERTS SARL
 Address: 108 AVENUE DE FONTAINEBLEAU
 94276 LE KREMLIN-BICÊTRE CEDEX
 FRANCE

Responsible: YVES-MICHEL PEYRACHE

Tel: 33 1 46 58 69 14

Fax: 33 1 46 72 43 01

Email: info@jitex.fr

Participants: FRIEDEMANN & JOHNSON CONSULTANTS GMBH
 MAGALI CONSULTING LTD

DEUTSCHLAND
 UNITED KINGDOM

PROMOTION OF DG XVII'S PARTICIPATION IN WES - THE WORLD ENERGY SHOW TOKYO 8-12 OCTOBER 1995

**ALL
GEN**

Action Nr: DIS-0353-1995-FR

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

Participation of the THERMIE programme at the 16th edition of the World Energy Congress organised by the World Energy Council in Tokyo on 8 to 12 october 1995

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

Organisation of DGXVII's stand and of a press conference to emphasize that Europe is keen on collaborating with foreign actors.

305 exhibitors participated in the fair with 1308 booths. In total there was 12000 m² of exhibition space visited by 60736 people.. DGXVII was represented in the hall, which was dedicated the lighter industry, commercial organisations, commercial companies and foreign organisations (USA, UK, AUSTRIA, SINGAPOUR, KAZAKHSTAN)

In addition to eight panels in Japanese language, more the 30 different brochures were at the visitors' disposal; On the opening day a press conference followed by business meeting was organised.

Achieved Results

The Japanese were interest for EU publications, mainly THERMIE news, and asked to be on a mailing list for additional information required (list of European constructors, ...)

Thanks to the numerous requests to obtain further information on some technologies, and in certain cases the co-ordinates of companies involved in these technologies, it is expected that contacts will be taken between with EU technology suppliers whose products were promoted during the event.

Finance

EU Support:	90.000 ECU	Eligible cost:	90.000 ECU
-------------	------------	----------------	------------

Contact

Co-ordinator: JAPAN IN TIME EXPERTS SARL
Address: 108 AVENUE DE FONTAINEBLEAU
94276 LE KREMLIN-BICÊTRE CEDEX
FRANCE

Responsible: YVES-MICHEL PEYRACHE
Tel: 33 1 46 58 69 14
Fax: 33 1 46 72 43 01
Email: info@jitex.fr

Participants: FRIEDEMANN & JOHNSON CONSULTANTS GMBH
MAGALI CONSULTING

DEUTSCHLAND
UNITED KINGDOM

Action Nr: DIS-0358-1995-GB

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

The aim of the THERMIE/ALTENER Renewable Energy Journal is to promote the accelerated use of renewable energy technologies in Europe by raising the awareness of relevant decision makers throughout Europe of the opportunities arising from the results of recent and current EU programmes, particularly the THERMIE programme. Through the production and targeted distribution of a regular, reliable periodical highlighting progress in the development and implementation of all renewable energy technologies, it is expected to achieve increased interest and confidence in this sector, and to point readers in the appropriate direction for further, more detailed information as required.

Description

2 issues of a 20 pages colour newsletter were to be produced in 20000 copies respectively in autumn 1996 and spring 1997. Each issue contained : an editorial and interview, latest news from Joule-Thermie and Altener programmes, information about successfully completed demonstration Thermie projects, a technology status report on a specific RES sub-sector, reports on important RES events and developments, diary and lists of publications.

Achieved Results

The 2 newsletter issues were mailed throughout Europe on two occasions : November 1996 and May 1997. The first issue was made available for the Altener Conference in Sitges, Spain on 25-27 November 1996 and the second one at "The European Congress on Renewable Energy Implementation" in Athens, on 5-7 May 1997. The newsletter was also distributed through the OPET network, at various events supported by the EC Directorate-General for Energy DGXVII and through the partners mailing lists.

The newsletter has increased awareness by organisations throughout the EU of all the renewable energy related actions in the Thermie and Altener programmes, increasing thereby the return on investment in the programmes.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support: 80.000 ECU

Eligible cost: 240.000 ECU

Contact

Co-ordinator: THE FRANKLIN COMPANY CONSULTANTS LTD
 Address: FRANKLIN RD. 192
 B30 2HE BIRMINGHAM
 UNITED KINGDOM

Responsible: ALISON PATTERSON
 Tel: 44 121 459 4826
 Fax: 44 121 459 8206
 Email:

Participants: SYSTÈMES SOLAIRES

FRANCE

Action Nr: STR-0359-1995-GR

Starting Date: 01-Mar-96

COMPLETED

Aims and objectives

The Commission, in order to improve the dissemination of information on projects supported, has set up a series of volumes in the field of energy. Those are called sectorial catalogues. Every catalogue contains information about the projects in a specific sector.

The aim of this task is to collect the updated information of the Sesame Data-Base Inputs in respect to all projects of the THERMIE programme, so as to produce the new updated sectorial catalogues in all sectors. In addition, all this information is properly analysed so as to produce graphs, tables and other statistic information for use in the catalogues, as well as for technical exhibitions, workshops, technical articles and magazines.

Description

With this task, all the information concerning projects supported under the THERMIE and the previous Demonstration programme, is available for public access. Any user is able to easily identify all possible Energy Saving solutions in the framework of his specific needs and interests.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Achieved Results

A new lay-out was designed for the presentation of each project. Each project is presented in two pages. In the first, basic information is included, i.e; project number, title, aim, keywords, financial data, technology and contact details. A characteristic photo is also included. The second page contains two parts. The left one consisting of "keyword" paragraphs, different for each project, based on its content and technology presented. The right part contains summary information for the project. Those fields are common for all projects.

Finance

EU Support: 110.000 ECU

Eligible cost: 110.000 ECU

Contact

Co-ordinator: HELIOSTAT LIMITED
Address: 10-12 KIFISSIAS AVE.
15125 ATHENS
ELLAS

Responsible: C.J. KORRES
Tel: 301 6844194
Fax: 301 6851151
Email:

Participants: BESEL S.A.

ESPAÑA

DEVELOPMENT OF THE GUIDELINES, EFFECTIVENESS ASSESSMENTS AND COMMUNICATIONS FOR DISSEMINATION TOOLS

**ALL
GEN**

Action Nr: SUP-0367-1995-EU

Starting Date:

COMPLETED

Aims and objectives

To supply expert guidance on the creation of new tools and the adaptation and the development of existing guidelines for dissemination tools that have been used under the THERMIE programme. The task has the aim of producing specific ideas for improving the coherence and effectiveness of the existing means of dissemination. It also suggests simple procedures for monitoring the progress and success of dissemination activities and look at improving the current working arrangements in specific areas.

Business Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

this project consists of 3 phases as follows:

Phase 1: To produce a Vade mecum to undertake THERMIE Type B dissemination activities. The content presents the modification of procedures and provides a guidance document for every successful proposer in the THERMIE B actions. To suggest the framework of dissemination action informations in the Internet network.

Phase 2: To co-ordinate the marketing groups and to suggest some guidelines with the aim to reinforce contacts between EC-Directorates and professional organisations. To suggest the creation of new marketing groups for the proposers of the dissemination activities to involve sectorial organisations which are not yet involved.

Phase 3: The consortium will attend International major events and undertake preparatory meetings in agreement with DGXVII-D1.

Achieved Results

The effort has increased the interaction and efficiency of successful proposers in the area of dissemination and has assisted the JOULE-THERMIE programme develop quickly the coherence it needs to use resources effectively. It has enhanced the interaction between successful proposers and the European Commission. Finally it has given a simple means of monitoring the progress and effectiveness of dissemination activities during the course of the programme.

Finance

EU Support: 210.000 ECU

Eligible cost: 210.000 ECU

Contact

Co-ordinator: EUROPEAN FEDERATION OF REGIONAL ENERGY &
ENVIRONMENTAL AGENCIES

Address: RUE DU BEAU SITE 11
1050 BRUXELLES
BELGIQUE

Participants: ADEME
ETSU

Responsible: MICHEL VIAUD
Tel: 02 646 8210

Fax: 02 646 89 75
Email:

FRANCE
UNITED KINGDOM

ENERGY EFFICIENCY FOR HVAC IN THE BUILDING SECTOR OF MEDITERRANEAN COUNTRIES

RUE

BU

Action Nr: DIS-0382-1995-ES

Starting Date: 01-Apr-96

ONGOING

Aims and objectives

This action has the following aims and objectives :

to enable a deeper penetration of the european industries in the building sector in the Mediterranean Area,
to favorise transfer of technologies to the least developed mediterranean countries,
to train specialized manpower, such as energy managers, (specifically for HVAC sector),
to sensibilize financial institutions and public authorities in order to imply their participation and
to improve comfort conditions and performances, in parallel with RUE by means of control systems and load calculation techniques

Description

The task consists in the preparation of the material for a training course, the holding of a workshop and the continuation of the work carried out by the HVAC Marketing Group. The training course deals with how to integrate the most efficient HVAC systems in the design of builings of the tertiary sector. The workshop is devoted to control systems for RUE in HVAC. The support for the training course is a CD-Rom that includes technical documentation, case studies and software applications. The action covers also the co-ordination of the HVAC Marketing Group.

Expected Results

An increase of positive awareness among users and among promoters of new techniques and technologies for better energy conservation.

The awareness of local authorities, financial institutions

The adoption of the most recent technologies by European manufacturers and the stimulation of the industrial sector

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support:

70.000 ECU

Eligible cost:

70.000 ECU

Contact

Co-ordinator: ICAEN

Address: AVGDA DIAGONAL, 435BIS, ÀTIC
08036 BARCELONA
ESPAÑA

Responsible: JOAN JOSEP ESCOBAR

Tel: +34 3 439 2800

Fax: +34 3 419 7253

Email:

Participants: ASOCIACION TECNICA ESPANOLA DE CLIMATIZACION Y REFRIGERACION

ESPAÑA

ASSOCIATION DES INGÉNIEURS EN CLIMATIQUE, VENTILATION ET FROID

FRANCE

ASSOCIAZIONE ITALIANA CONDIZIONAMENTO ARIA RISCALDAMENTO REFRIGE

ITALIA

PROVISION OF ENERGY RELATED TRAINING FOR SMES IN THE TEXTILE SECTOR

RUE

IN

Action Nr: SME-0383-1995-GB

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

The work has the goal of developing a training workbook on basic energy management, translating it into Portuguese and Italian and delivering training seminars in the UK, Portugal and Italy in the textile industry. The project was carried out in collaboration with two other Thermie B actions. (SME/0493/95/HE, led by LDK Consultants in Greece and SME/496/95/BE led by Centexbel in Belgium). The projects worked in parallel to develop the different workbooks. The workbooks were as follows:

1. Workbook 1 - Basic Energy Management, co-ordinated by De Montfort University
2. Workbook 2 - Horizontal Measures; co-ordinated by LDK
3. Workbook 3 - process Technologies, co-ordinated by Centexbel.

All three workbooks were then translated into the native languages of the projects.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The action consisted in providing energy related training to SMEs. Link with two other THERMIE B projects. Provide training to at least ten people in UK, Portugal and Italy. Evaluate results of training course. Coordinate with two other THERMIE B projects.

Achieved Results

- The project has resulted in over 30 people being trained in energy efficiency. The material produced by this project and the two associated projects provide a solid reference for further courses in this field.
- The project has successfully produced training material, in co-ordination with the other two projects, and delivered this training material in three different countries. The results of the evaluation are positive and indicate that the trainees found the information useful and a good quality.
- The major difficulties encountered in the course were related to persuading companies to send people on the course. This was a particular problem in Italy and the UK but less of a problem in Portugal.
- Since the end of the pilot project, several organisations have contacted the co-ordinators with requests for delivering the course in their area. These include organisations from Scotland and Lancashire in the UK.
- The material produced in the courses will be relevant for many years, with minor amendments. Consideration should be now given to using this material in a slightly different way to increase the number of technical personnel in the textile industry who could benefit from the training.

Finance

EU Support:	70.000 ECU	Eligible cost:	151.000 ECU
-------------	------------	----------------	-------------

Contact

Co-ordinator:	LEICESTERSHIRE TRAINING & ENTREPRISE COUNCIL	Responsible:	JEFF MILLER
Address:	MERIDIAN BUSINESS PARK LE3 ZWZ LEICESTER UNITED KINGDOM	Tel:	533 651515
		Fax:	533 651501
		Email:	
Participants:	ASSOCIACAO PARA O DESENVOLVIMENTO INTEGRADO DO VALE DO AVE BTTG CENTRO TECNOLOGICO DAS INDUSTRIAS TEXTIL E DO VESTUARIO DE PORTU	PORTUGAL	
		UNITED KINGDOM	
		PORTUGAL	

THE DEVELOPMENT OF ENERGY MONITORING & TARGET SETTING IN LATIN AMERICA

RUE
IN

Action Nr: SUP-0385-1995-GB

Starting Date: 01-May-96

COMPLETED

Aims and objectives

Developing countries - greatest increase in energy demand. Energy Monitoring & Targeting is a technique to control energy consumption and will therefore help stabilise demand which will help to maintain secure energy supplies for the European Union.

This project will stimulate the Latin American market and enable European SME's to supply technologies & service

Latin america (as with all Developing countries) needs low costs solutions to energy efficiency problems. Energy Monitoring & Targeting is low cost. Energy Monitoring & Targeting will help reduce CO2 emissions from Thermal processes

The action will develop lasting links between Latin American organisation and European trade SME's and disseminate results of demonstration projects being undertaken by a small number of local organisations using

Description

This action comprised of 4 phases:

Phase 1: Support and assistance for the existing pilot projects - there were a number of existing projects already being undertaken by local consultancies in Brazil and Peru and the results from these were the basis for the accompanying and support measures, and the dissemination of information.

Phase 2: Information dissemination - a database was created of potential interested organisations in Peru, Colombia and Brazil.

Phase 3: Infrastructure - a suitable infrastructure needed to be created to fulfill the demands of interested Latin American organisations wishing to install the system. This involved making a database of EU suppliers of M & T software and equipment available. It also involved making EU companies aware of the opportunities of the Latin American M & T market.

Phase 4 project management.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Achieved Results

1. Increased awareness of the benefits of European Energy Monitoring & Targeting in 1.000 companies and organisations in Brazil, Peru & Colombia through the establishment of mailing database and the organisation of 3 workshops throughout the region
2. Uptake of Energy Monitoring & Targeting of 5 organisations from each country - Brazil, Colombia and Peru, using European Union technologies and technical advice.
3. Energy savings in each organisation of at least 5%
4. Establishment of joint ventures, trade agreements and links to other finance institutions eg. World Bank to facilitate the supply of European Energy Monitoring & Targeting technology and services.
5. Fifteen people qualified to establish and conduct Energy Monitoring & Targeting training in their own country (five from each). The training was based on European Union technologies and services and delivered by European companies.

Finance

EU Support:	130.000 ECU	Eligible cost:	130.000 ECU
-------------	-------------	----------------	-------------

Contact

Co-ordinator:	NATIONAL INDUSTRIAL FUEL EFFICIENCY SERVICE LTD	Responsible:	G. MORGAN
Address:	NIFES HOUSE, SINDERLAND ROAD, BROADHEATH WA14 5HQ ALTRINCHAM UNITED KINGDOM	Tel:	44.161.928.5791
		Fax:	44.161.926.8718
		Email:	
Participants:	ENTE VASCO DE LA ENERGIA LDK CONSULTANTS ENGINEERS & PLANNERS	ESPAÑA	ELLAS

EASTERHOUSE SOLAR ENERGY PROJECT - GLASGOW. SEMINARS & WORKHOPS TO PROMOTE THE RESULTS AND BENEFITS

RES

SE

Action Nr: SME-0386-1995-GB

Starting Date: 01-Apr-96

ONGOING

Aims and objectives

Dissemination by seminar and workshop the result of the THERMIE project to illustrate the benefits in energy conservation and improvement in comfort and level for occupants in households.
Stimulation of the SME-Sector responsible for manufacturing and installing equipment and making building fabric alterations. Dissemination aimed at representatives from the housing sector.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

Delegates were invited from local authorities, housing associations, architectural practices, equipment suppliers, energy specialists / researchers and resident's groups. Each event comprised presentations on the technical, financial and social aspects of the project and interactive workshops exploring the feasibility of replicating similar passive solar technologies on a wider scale. The events were supported by individual delegate packs containing papers covering the project and related maxibrochures.

Achieved Results

Requests for future information by interested parties in the technology replication of the project in Germany, Poland and UK

Approximately 200 professionals in the housing and financial sectors attended the workshops and are aware of the potential for this type of technology. Questionnaire returns indicate that the overall response of 89% of the attending delegates was 'good' or 'very good'.

A wide range of maxibrochures were distributed to the attendees.

A number of delegates requested further information and indicated that they had on-going projects that would benefit from solar technologies, or they would consider using such technologies in future projects. An Edinburgh based engineering consultancy requested information to develop concepts for a 'green' building project in order to develop THERMIE A project.

Finance

EU Support:	130.000 ECU	Eligible cost:	130.000 ECU
-------------	-------------	----------------	-------------

Contact

Co-ordinator: NATIONAL INDUSTRIAL FUEL EFFICIENCY SERVICE LTD
Address: NIFES HOUSE, SINDERLAND ROAD, BROADHEATH
WA 14 5HQ ALTRINCHAM
UNITED KINGDOM

Responsible: MR A L HANNAH
Tel: 0161 928 5791
Fax: 0161 925 8718
Email:

Participants: EC ENERGY CENTRE WARSAW
FRIEDEMANN & JOHNSON CONSULTANTS GMBH

POLAND
DEUTSCHLAND

ASSISTING SME PUBLIC TRANSPORT COMPANIES TO SAVE ENERGY IN THE OPERATION OF TRAMS AND TROLLEY-BUSES

RUE**TR**

Action Nr: SME-0388-1995-DE

Starting Date: 01-Dec-95

COMPLETED

Aims and objectives

To enable small and medium sized transport companies to retrofit old vehicles with modern technology in order to save energy and reduce the vehicles harmful impact on the environment. In this way the energy losses can be reduced by up to 90% via the installation of d.c. choppers

Description

This action included the following tasks :

- Selection of suitable test vehicles for economic feasibility analyses
- Selection of a test route
- Development of the measuring and analysis programme
- Selection and adjustment of suitable measuring equipment
- Installation of the test vehicles
- Analysis of Energy Consumption
- Presentation of the results in a workshop and a maxibrochure

Achieved Results

The market analysis of the potential energy-savings with a number of transport companies showed that there is a great potential for re-equipping trams to modern drive systems. Measurements on trams were taken without and with the d.c. choppers, calculations had been made in order to determine the return on investment. The results were presented in a Workshop held in Leipzig for representatives of the European transport companies and in a study as well in a maxibrochure.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support: 198.486 ECU

Eligible cost: 283.551 ECU

Contact

Co-ordinator: ICEU
Address: AUENSTRASSE 25
04105 LEIPZIG
DEUTSCHLAND

Responsible: OLAF BEINER
Tel: 49 341 980 49 69
Fax: 49 341 980 34 86
Email: krause@iceu.manner.de

Participants: NOVEM
VERKEHRS-CONSULT LEIPZIG GMBH

NEDERLAND
DEUTSCHLAND

FEASIBILITY AND MARKET STUDY INTO FUEL CELL APPLICATIONS FOR DECENTRALISED H&P GENERATION AND PEAK DEMAND MANAGEMENT

RUE

EI

Action Nr: SME-0389-1995-DE

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

To raise the involvement of small and medium sized municipal utilities in further fuel cell application trials for base and peak demand supply.

To investigate the feasibility of using fuel cells up to 1MWe

To examine state of the art in fuel cell technology as well as the possibilities of adding hydrogen to the fuel

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

Task 1 : Survey of the technological state-of-the-art of fuel cell applications in close co-operation with fuel cell manufacturers and potential users;

Task 2 : Investigation of technical possibilities of adding H₂ of the fuel in PAFC-CHP modules in the process chain;

Task 3 : Investigations and evaluation of the technical possibilities of H₂ production and storage for the development of a closed technological circuit for the realization of peak demand balance in small and medium-sized municipal utilities;

Task 4 : Comparative assessment, workshop, dissemination, conclusions.

Achieved Results

In order to be able to compete financially with conventional engine CHP, various technical and environmental policy changes must take place.

In the technical sector, the high efficiency at the time commissioning must be stabilised throughout the entire operating period: This is the goal of current research activities dealing with increasing efficiency of the electrodes. Furthermore, improvements regarding the lifetime of the cellstack must be made in order to restrict the costs for replacing the cell stack to a minimum: Another technical improvement with respect to operating characteristic must also stabilise electrical efficiency below 0.5 pu at a high level in order to be able to use the cell cover peak demand in the network.

In addition to technical aspects, the incorporation of ecological aspects is of course also of great importance.

Owing to the very low emissions caused by fuel cell technology; the creation of an ecological tax which imposes financial levies on emissions would also promote the introduction and establishment of fuel cell technology:

Finance

EU Support:	80.000 ECU	Eligible cost:	100.000 ECU
-------------	------------	----------------	-------------

Contact

Co-ordinator: INTERNATIONALES CENTRUM FÜR ENERGIE UND UMWELTTECHNOLOGIE LEIPZIG

Address: AUENSTRASSE 25
04105 LEIPZIG
DEUTSCHLAND

Participants: CESEN SPA
EA -TECHNOLOGY LIMITED
PROMETHEUS GESELLSCHAFT FÜR ERDGASANWENDUNG
MBHGMBH

Responsible: C. WALDENMEYER

Tel: 49 341 9804969

Fax: 49 341 9803486

Email: waldenmeyer@iceu.manner.de

ITALIA
UNITED KINGDOM
DEUTSCHLAND

TRAINING COURSE - SOLAR WATER HEATING IN LATVIA - BALTIC STATES

RES
GEN

Action Nr: DIS-0391-1995-AT

Starting Date: 01-Mar-96

COMPLETED

Aims and objectives

Promotion of european solar thermal technologies for large-scale applications and private households in the Baltic States.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

Extensive surveys were carried out during the preparation phase, examining the present energy situation, the use of solar energy to date and of the companies involved in the production or marketing of solar plants.

Furthermore, it was necessary to investigate the legal situation of the General Framework. The main activity has been the training course which consisted of a theoretical and a practical part and lasted for 5 days. The necessary set of tools to manufacture solar absorbers - comprising a soldering and bending work bench and roll-off appliance - was produced by AEE in Austria and transported to Riga, so that the tools were available for the course.

Achieved Results

Theoretical and practical training of multipliers from the Baltic States in the field of solar thermal plants.

After, the participants should be in a position to implement the procedure for the assembly of solar installations in their countries on a large-scale.

The set of tools to manufacture solar absorbers provided for this course is now under the administration of Energi-R in Riga and is available to all businesses and also private persons to be used to manufacture absorbers. It is planned that Energi-R offers courses concerning the use of thermal solar energy at regular intervals, to help to develop the market in Latvia. The demonstration plant has been and will be presented regularly at exhibitions and trade fairs, and also to use the demonstration plant for laboratory tests at technical universities, after equipping it with the necessary measuring apparatus and to carry out the corresponding surveys and then process the results. One year after the course two concrete solar thermal plants are planned to install in Latvia and also two are in planning phase in Estonia in cooperation with European Companies

Finance

EU Support: 70.000 ECU

Eligible cost: 70.000 ECU

Contact

Co-ordinator: ARGE ERNEUERBARE ENERGIE
Address: GARTENGASSE 5
8200 GLEISDORF
ÖSTERREICH

Responsible: WERNER WEISS
Tel: 43 3112 588617
Fax: 43 3112 5886-18
Email:

Participants: DECON
SOLPROS AY

DEUTSCHLAND
SUOMI

Action Nr: DIS-0393-1995-BE

Starting Date: 01-Mar-96

ONGOING

Aims and objectives

Collection and diffusion of progress information from the 3 targeted projects on biomass gasification, reporting regularly the ongoing activities of all the partners involved, and providing interested people an updated report.

 Business-Mission

 Seminar

 Workshop

 Exhibition-stand

 Conference

 Training

 Exhibition

Publication

 Audit-assessment

 Study

 Electronic Catalogue

 Other

Description

Activity coordinator - Proposer nr 1 - Collecting of information - Contact with correspondants of each project - follow-up of mayor progress issues - selection of information - editing of tests - Reprass composing and publishing of newsletter - Contacts with the Commission - Reports

The newsletter covers 4 pages, and has been published every six months, in English.

Expected Results

The newsletter is aimed to contribute to the mutual information of all the partners (tool for coordination activity) and show window of the EC targeted projects open to the public.

Finance

EU Support: 57.000 ECU

Eligible cost: 57.000 ECU

Contact

Co-ordinator: S.A. EDITION VENTURES
 Address: RUE DU CHATELAIN 49
 1050 BRUSSELS
 BELGIQUE

Responsible: BERNARD DE WASSEIGE
 Tel: 32 2 647 17 50
 Fax: 32 2 648 29 89
 Email:

Participants: TOMMASO GUICCIARDINI CORSI SALVIATI

ITALIA

ACTIONS FOR STRONG INVOLVEMENT FOR SME IN THERMIE IN THE MEDITERRANEAN COUNTRIES : ASSIST MED.

RUE
GEN

Action Nr: SME-0394-1995-ES

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

Stimulate, encourage and facilitate the participation of SME's in the THERMIE program.

Description

This action involves two major steps: a strategic study and a preliminary assistance. The strategic study concentrates on the target sector of SMEs, the energy technology requirements (and solutions), the strategies of the manufacturers of energy saving products. Then a catalogue of possible action is set up and ways for coordination with other programmes are distributed.

The preliminary assistance is the assistance to SMEs about presentation of proposals.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Achieved Results

This action was complementary to a similar action covering Northern countries (SUP-4049-95-NO) and it mainly deals with the Italian experience achieved in this sector by ENEA. The extended study covers the energy problems of SMEs in the following sectors : metal, ceramics, cement, fine chemicals, plastics, agrofood, textile and leather. The focus has been pointed on SMEs with energy costs around 10% of the total production costs. A follow-up study, conducted on about 150 enterprises about 6 months after the audits had been performed, indicated that 80% of the diagnosis suggested investments had been considered interesting and 36% had been realised or were programmed for realisation. With respect to the last point, there was a tendency to favour those investments and measures with the lowest capital requirements.

Finance

EU Support:	40.000 ECU	Eligible cost:	54.600 ECU
-------------	------------	----------------	------------

Contact

Co-ordinator:	INSTITUTO PARA LA DIVERSIFICACION Y AHORRO DE LA ENERGIA	Responsible:	MRS VIRGINIA VIVANCO COHN
Address:	PASSEO DE LA CASTELLANA 95 28046 MADRID ESPAÑA	Tel:	34 1 556 84 15
		Fax:	34 1 555 13 89
		Email:	
Participants:	CENTER FOR RENEWABLE ENERGY SOURCES CENTRO PARA A CONSERVAÇÃO DE ENERGIA NATIONAL AGENCY FOR NEW TECHNOLOGY, ENERGY AND THE ENVIRONMENT	ELLAS PORTUGAL ITALIA	

ORGANIS. OF TRAINING COURSES F. SMES IN TEXTILE INDUSTRY F. OPTIMISATION OF ENERGY CONS.

RUE

IN

Action Nr: SME-0396-1995-BE

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

The personnel of SMEs in the textile industry lacks thorough knowledge about possible energy saving techniques and how to implement these measures. This project wants to bring together the knowledge about energy saving technology and to disseminate it towards SMEs of the textile industry in different countries of the European Community. Existing knowledge must be brought to the floor of the small and medium enterprises, so that knowledge must be brought to the floor of the SMEs, so that knowledge can be put in practice. Essential things that are missing on the floor are data about possible savings and how to implement the energy saving technologies.

Description

- Put together the knowledge about energy saving technology and disseminate it towards SME's of the textile industry.
- Practical courses and workshops in each country to put into practice conservation measures.
- Optimisation of energy consumption in dyeing, and finishing of textile.

Achieved Results

In collaboration with 2 other Thémie B Projects (SME:383/95/UK and SME/493/95/HE) the course "Improving Energy Performance In dyeing, Drying and Finishing" was developed. The course is split up into three main subject areas, which were each presented in one workbook : energy management which describes the systems necessary to control energy; horizontal technologies that are found in the majority of production processes irrespective of whether the processes are for dyeing, drying and finishing or even whether they are in the textile and clothing industry or other industry sectors; process technologies used for dyeing, drying and finishing. Each project developed one workbook, consisting of 150 pages. Workbook 3 consists in 5 chapters :discontinuous dyeing, continuous washing, steaming, drying and energy saving process technologies. The workbooks were produced originally in English. For the organisation of the courses, the texts of all workbooks were translated in the native language. The course was given in 3 countries (BE, FR, SE). 67 people participated. In the 3 projects together more than 160 people were trained in 9 countries.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support:	130.000 ECU	Eligible cost:	149.500 ECU
-------------	-------------	----------------	-------------

Contact

Co-ordinator:	WETENSCHAPPELIJKE EN TECHNISCH CENTRUM VAN DE BELGISCHE TEXTIELN	Responsible:	LUC PLATTEAU
Address:	MONTOYERSTRAAT 24 1040 BRUSSEL BELGIQUE	Tel:	32 2 287 08 30
		Fax:	32 2 230 68 15
		Email:	centexbel@skynet.be
Participants:	CENTRO TECNOLOGICO DAS INDUSTRIAS TEXTIL E DO VESTUARIO DE PORTU INSTITUT TEXTILE DE FRANCE THE SWEDISH INSTITUTE FOR FIBRE AND POLYMER RESEARCH TNO KRI/BC	PORTUGAL	FRANCE SVERIGE NEDERLAND

EVALUATION OF THE EFFICIENCY FACE TO THE NOX EMISSIONS FROM EUROPEAN GAS-FIRED HEAT-PROCESS EQUIPMENT

RUE
IN

Action Nr: STR-0397-1995-FR

Starting Date: 01-Apr-96

ONGOING

Aims and objectives

The project Partners propose to realise a test campaign in the industrial field to evaluate the efficiency of a large variety of gas fired heat - process equipment (from the food processing industry to metallurgy) face to their emissions of nitrogen oxides (NOx).

Description

Tests have been performed on 35 industrial sites in the following industrial sectors: food processing industry, ceramics, metallurgy, paper/textile, district heating, electricity production.
3 kinds of industrial equipment are investigated: boilers (either hot water or steam boilers), engines and turbines and industrial processes.

Expected Results

- Develop common European approach in setting NOx. emission standards by implementing well defined and agreed ways of measurements.
- Characterise the best relevant available technologies in Europe.
- Come up with real on the field figures as compared.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support:	200.000 ECU	Eligible cost:	330.582 ECU
-------------	-------------	----------------	-------------

Contact

Co-ordinator:	GAZ DE FRANCE - DIRECTION DE LA RECHERCHE - CERUG - SERVICE IND.	Responsible:	MARIE-JOSE FOURNIEVET
Address:	361 AVENUE DU PRESIDENT WILSON 93210 LA PLAINE SAINT-DENIS FRANCE	Tel:	33 1 49 22 59 75
		Fax:	33 1 49 22 55 63
		Email:	
Participants:	CENTRE TECHNIQUE DES INDUSTRIES AERAULIQUES ET THERMIQUES DANSK GASTEKNISK CENTER A/S NEDERLANDSE GASUNIE NV SVENSKT GASTEKNISKT CENTER AB	FRANCE DANMARK NEDERLAND SVERIGE	

SEMINARS FOR OIL & GAS INDUSTRY ON: MAINTENANCE - INSPECTIONS

FF

OG

Action Nr: DIS-0400-1995-IT

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

The project consisted of four Seminars held in the most important Kazakhstan Cities : Almaty, Uralsk and Atyraw. The main objectives of the action, in fully accordance with general philosophy of Themie Action B, were as follow :

- to illustrate the European Technology in the sector of maintenance and inspection in oil and gas industry;
- to illustrate the favourable cost/benefit ratio of Western approach to maintenance;
- to establish contacts between experts/companies with the aim to develop technical-scientific progress and commercial opportunities for European SME.

Description

The Seminars were divided into two batches :

First Batch - Almaty and Uralsk : Seminar 2 - monitoring techniques and diagnostics
Seminar 3 - maintenance planning and performance evaluation

Second Batch - Almaty and Atyraw : seminar 1 - maintenance organisation and engineering
seminar 4 - the use of computer in maintenance.

Participants were from local Entreprises, Universities, Professional of the Sector.

Business Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Achieved Results

Contacts for future developing are in progress in the following fields :

- new edition of seminars in the industrial sites (Atyraw and Uralsk) in sector of logistics and material management;
- programmes of training on the job, with special reference to the plant inspection;
- possible JV in the sector of training, energy saving and services.

Finance

EU Support: 100.000 ECU

Eligible cost: 100.000 ECU

Contact

Co-ordinator: OPET CESEN COMERINT

Address: VIA PAOLO DI DONO 223

00142 ROMA

ITALIA

Responsible: MR A. ANTONIETTI

Tel: 39 6 51990 696

Fax: 51990 722

Email: m.antonietti.comerint@agora.stm.it

Participants: SOCIETE DE GESTION ET DE SERVICES

FRANCE

ORGANIZATION OF A SEMINAR ON E.O.R. IN ALBANIA

FF**OG**

Action Nr: DIS-0403-1995-GR

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

- Promotion of efficient energy technologies on the oil sector.
- Presentation to the production engineers, geologists and professionals of the state of the art enhanced oil recovery methods and technologies in Albania.
- Dissemination of methods, technologies and techniques of enhanced oil recovery to professionals of Albania.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

- Preparation and typing of about 200 books with 13 speeches.
- Dissemination through speeches to relevant institutes, bodies and persons:
- Heavy oil production experience in Albania
- Possible ways of development of EOR methods in Albanian oil fields

Topics:

- . Steam flooding
- . In-situ combustion
- . Polymer flooding
- . Surfactant flooding
- Comparison of methods of cost point of view
- Applicability, etc.
- Future of EOR at today's crude oil prices levels

Achieved Results

Due to unstable situation in Albania, it was not possible to hold the conference. Presentations from anticipated speakers are available.

Finance

EU Support: 84.000 ECU

Eligible cost: 84.000 ECU

Contact

Co-ordinator: OMEGA EUROPEAN CONSULTING LTD
Address: 6, NAVARINOU STR. 151 21-PEFKI
15669 ATHENS
ELLAS

Responsible: VASSILIOS KARKOULIAS
Tel: 301 614 0220-1
Fax: 301 164 0221
Email: vkark@acropolis.net

Participants: ICAEN

ESPAÑA

Action Nr: DIS-0405-1995-FR

Starting Date:

COMPLETED

Aims and objectives

The aim of the action is to carry out a programme of rational use of energy and renewable energy sources in Northern Poland, in order to partly substitute coal by wood energy in urban heating networks, and to reduce air pollution.

The objectives are to start a cooperation between the Polish responsible actors and the French (CLER/Biomasse Normandie) and German (ZREU) teams, in order to set up a technology transfer programme (studies and realisations) aiming to develop wood-fired district heating networks respectful of the environment.

Description

The work programme foreseen is divided into 2 phases :

1995 :

- Inventory and assessment of the buildings, heating plants and urban heating networks in 12 sites preselected by the Polish partners,

- Selection of the projects, identification of local abilities and working out a global intervention programme.

1996/1997 :

- Realisation of the detailed technico-economic surveys for the selected projects (building rehabilitation and wood-fired heating plants combined with existing or to be created networks), particularly :

- * thermal studies, sizing of heating plant and description of the work to be done;

- * wood resource studies and organisation of a wood supply scheme;

- * economic studies and financial engineering

- creation of a Polish intervention team

- general organisation of the project (supply, work programme, financing), in co-operation with the Polish team.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Achieved Results

The work has been realized in collaboration between the consortium and ECOPOLOGNE as Polish subcontractor partner.

Feasibility studies have been carried out in six sites of the Voïvodeship of Slupsk (Kepice, Studzienice, Przechlewo, Czluchow, Rzeczenica and Lipnica). At the same time, the practically available wood resource has been assessed to 70000 tons (in the survey area). The six towns' local authorities have agreed on the creation of a wood supply company : district councils and private partners (sawmills) will jointly participate in the capital.

Three wood heating plant projects concern existing urban networks (in substitution of coal); the other three concern new networks to be created (total output : 21 MW). The foreseen wood consumption is 26000 tons per year, substituting 14000 tons of coal. The reduction of emissions has been assessed to 20 tons per year for SO₂ and 39000 tons per year for CO₂.

The economic viability depends on each specific location (in particular on the existence or not of an heating network) but is globally satisfactory for the whole of the programme. A timeschedule and a financing plan have been proposed for the actual implementation of the projects.

The total amount of the programme (6750 k ECU) can be financed by loan (50%), subsidies (40%) and self-financing (10%).

Finance

EU Support:

84.000 ECU

Eligible cost:

90.000 ECU

Contact

Co-ordinator: COMITÉ DE LIAISON ENERGIES RENOUVELABLES

Address: RUE BASFROI 28
75011 PARIS
FRANCE

Participants: ASSOCIATION REGIONAL BIOMASSE NORMANDIE
ZWECKVERBAND "REGIONALE ENTWICKLUNG UND ENERGIE"

Responsible: LILIANE BATAIS

Tel: 33 1 46 59 04 44

Fax: 33 1 46 59 03 92

Email:

FRANCE
DEUTSCHLAND

DEVELOPMENT OF INDUSTRIAL ENERGY EFFICIENCY NETWORK IN AUSTRIA, GREECE, PORTUGAL AND SPAIN. ACCEPTED PROPOSAL

RUE
IN

Action Nr: SUP-0409-1995-NO

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

The main objective with the action was to undertake feasibility studies in the participating countries' industrial structures in order to determine whether the concept of Industrial Energy Efficiency Networks - IEEN after the Norwegian model could be implemented. The concept of the IEEN is described in the following.

Since 1989, the Norwegian authorities have supported the IEEN, aiming at a better co-ordination of energy efficiency measures and activities in the industrial sector. This IEEN now includes more than 470 Norwegian companies representing 12 different industrial sectors. The main objective for the IEEN is to improve the industrial companies ability to make the "correct" decisions in matters regarding energy and the environment. The strategy chosen to achieve this objective is based on the following core activities :
Information and motivation activities

Description

The action has been carried out in three phases, separately managed in each country by the respective partners. In Austria, EVA and ÖEKV has collaborated closely. Phase 1 : this phase has involved the undertaking of country specific studies of industrial structures, with special focus on SMEs. Phase 2 : the studies formed the basis for a more in-depth analyses of the industry, in order to identify specific barriers to effective implementation of new, energy efficient technologies. The analyses also helped to identify the sectors that were the most relevant ones for further approaches regarding the possibility of developing IEEN-structures in the different countries. Phase 3 : this phase included direct visits to SMEs and technical advice with focus on proposals to the THERMIE programme. It also concluded the work of determining which sectors would be included in the further work regarding IEEN-type activities. Selected sectors are : Spain : Textile industry, Greece : Ceramic industry, Portugal : Dairy industry, Austria : machine and steel industry, paper industry. Specific follow-up actions have been decided in Spain, Greece and Austria.

Achieved Results

The main objective of the action was to investigate the possibilities of developing IEENs in the participating countries. The results from the feasibility study indicate that there is a need for IEEN-type activities in order to put proper focus on energy efficiency matters in SMEs. However, it has come clear that where existing sectoral structures already exists, no new structures should be created. There is a fear that this would increase the bureaucratic burden on the SMEs. Focus should be put on assisting and advising existing sectoral organisations, trade associations etc in order to help them increase their competence and know-how within the area of energy efficiency.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support:	140.000 ECU	Eligible cost:	140.000 ECU
-------------	-------------	----------------	-------------

Contact

Co-ordinator: INSTITUT FOR ENERGITEKNIKK
Address: INSTITUTTVEIEN 18 POBOX 40
2007 KJELLER
NORGE

Responsible: OLE VEIBY
Tel: 47 63 80 61 00
Fax: 47 63 81 29 05
Email:

Participants: CENTER FOR RENEWABLE ENERGY SOURCES
CENTRO PARA A CONSERVAÇÃO DE ENERGIA
ENERGIEVERWERTUNGS AGENTUR
ETSU
INSTITUTO PARA LA DIVERSIFICACION Y AHORRO DE LA ENERGIA

ELLAS
PORTUGAL
ÖSTERREICH
UNITED KINGDOM
ESPAÑA

IMPLEMENTATION OF ENERGY EFFICIENCY AND RENEWABLE ENERGY TECHNOLOGIES IN EASTERN EUROPE AS A EUROPEAN ENVIRONM.STRATEGY

**RUE
RES
GEN**

Action Nr: STR-0416-1995-SE

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

- Provide local authorities with documented good examples and knowledge.
- Increase market confidence in energy efficient and renewable technologies.
- Encourage new customers to consider investments.
- Examples of technical and organizational situations by giving requested conditions for investments.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

Documentation and comparison of 13 fuel switch projects in the BM sector installed in Estonia, Latvia, Lithuania, Russia and the Czech Republic and financed by western Governments.

Achieved Results

Analysis of access factors for implementing energy technology projects

- 1) loan approach
- 2) grant approach

Preparatory work for implementing Phase 2 (dissemination of experience gained from Phase 1) and Phase 3 (elaboration of a strategy for developing RES/RUE projects in CEEC) of the whole projects.

Finance

EU Support: 90.000 ECU

Eligible cost: 90.000 ECU

Contact

Co-ordinator: SWEDISH NATIONAL BOARD OF INDUSTRIAL AND TECHNICAL DEVELOPMENT

Address: LILJEHOSVÄGEN 32
117 86 STOCKHOLM
SVERIGE

Participants: ENERGIEVERWERTUNGS AGENTUR
ENERGY CENTRE DENMARK
INSTITUT FOR ENERGITEKNIKK
MINISTERIUM FÜR FINANZEN UND ENERGIE, SCHLESWIEG-HOLSTEIN-HOLSTEI

Responsible: GUDRUN KNUTSSON
Tel: 46 8 681 91 00

Fax: 46 8 19 68 26
Email: anders.haaker@nutek.se

ÖSTERREICH
DANMARK
NORGE
DEUTSCHLAND

INDO-EUROPEAN SEMINAR ON CLEAN COAL TECHNOLOGY AND THERMAL POWER PLANT UPGRADING

FF

SF

Action Nr: DIS-0426-1995-DE

Starting Date: 01-Apr-96

ONGOING

Aims and objectives

High-level presentation of European experiences and promotion of results of the THERMIE Programme concerning technical and economic aspects of clean coal technologies - to encourage a cleaner use of coal.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

Presentation of European Technologies and discussion of Indian Problems within the subject areas : clean coal technologies : coal homogenisation, environmental technology, ash disposal and utilisation; thermal power plant upgrading : renovation/lifetime extension, advanced coal fired power plant technology. Evaluation for possible areas of future activities in Indo European Cooperation

Achieved Results

Several topics in general were elaborated and specific items for projects solving problems in the field of electricity production and supply are recommended for further co-operation. Finally the response of the participating European Industry will be evaluated to prepare a final recommendation.

Regarding several topics (coal beneficiation, IGCC-Technology, power plant upgrading, ...) the realisation of investment projects are possible as a second or third step of co-operation. The final evaluation will show the trend and intensity of this development.

Finance

EU Support: 168.000 ECU

Eligible cost: 168.000 ECU

Contact

Co-ordinator: KFA-BEO
Address: POSTFACH 1913
52425 JÜLICH
DEUTSCHLAND

Responsible: H. J. NEEF
Tel: 49 2461 61 3729
Fax: 49 2461 61 2880
Email: h.-j.neef@fz-juelich.de

Participants: KEMA NEDERLAND BV
TECHNISCHE VEREINIGUNG DER GROBKRAFTWERKS BETREIBER
E.V.

NEDERLAND
DEUTSCHLAND

Action Nr: STR-0429-1995-DE

Starting Date: 20-May-96

ONGOING

Aims and objectives

Continuation of the work undertaken by the PV marketing group in the framework of the THERMIE programme, concentrating now on the financial mechanisms, both for the European market and for the market outside the Member States.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

Literature inquiry, Development and mailing of questionnaire (German/English), Participation in Conferences and Workshops, Meetings of the PV-Marketing Group, Synergy and co-operations with other actions supported by EC

Expected Results

- * Survey of the financing methods for PV installations in the Member States
- * Compilation of proposals for EU-wide co-ordinated financing methods of projects in and outside EU
- * Better information on the financing possibilities for the Third Countries.

Finance

EU Support:	106.000 ECU	Eligible cost:	106.000 ECU
-------------	-------------	----------------	-------------

Contact

Co-ordinator:	TÜV RHEINLAND SICHERHEIT U; UMWELTSHUTZ GMBH	Responsible:	RALF KOBER
Address:	AM GRAUEN STEIN	Tel:	49 221 806 2782
	51105 KÖLN	Fax:	49 221 806 1756
	DEUTSCHLAND	Email:	

Participants:	CENTER FOR RENEWABLE ENERGY SOURCES	ELLAS
	EPIA EUROPEAN PHOTOVOLTAIC INDUSTRY ASSOCIATION	BELGIQUE
	EUROPEAN FORUM FOR RENEWABLE ENERGY SOURCES	BELGIQUE
	EUROSOLAR	DANMARK
	ICAEN	ESPAÑA

DISSEMINATION ACTIVITIES FOR THERMIE SOLID FUEL PROJECT.

FF**SF**

Action Nr: DIS-0435-1995-DE

Starting Date: 01-Apr-96

ONGOING

Aims and objectives

The contractor is responsible for the update of the SESAME catalogue of solid fuel projects, the preparation of Flag brochures of up to 10 solid fuel projects, the preparation of a seminar about "the economic benefits of the use of low grade domestic coal and coal residue and their socioeconomic implications and the writing of a maxi brochure about the results of the seminar.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The task consists in the preparation and printing of 3000 copies of the second edition of the Sesame catalogue of solid fuel projects, the preparation and printing of 3000 copies of each Flag Brochure of 10 solid fuel projects (which have already been successfully completed or which are expected to be successfully completed), the organisation of a seminar about the "use of coal in mixture with wastes and residues" and the preparation and printing of 3000 copies of a maxi-brochure on the results of the seminar.

Achieved Results

Dissemination of results of the THERMIE Programme as well as results of specific areas or 10 solid fuel projects. The SESAME catalogue is ready for distribution. The seminar has been carried out on 14/15.11.96 and the seminar proceedings are available.

Finance

EU Support: 200.000 ECU

Eligible cost: 200.000 ECU

Contact

Co-ordinator: KFA-BEO
Address: POSTFACH 1913
52425 JÜLICH
DEUTSCHLAND

Responsible: V. BREME
Tel: 49 2461 61 2735
Fax: 49 2461 61 2880
Email: v.breme@fz-juelich.de

Participants: ETSU
NOVEM
OCICARBON

UNITED KINGDOM
NEDERLAND
ESPAÑA

BARRIERS TO ENERGY ACTION IN SMES IN THE UK, BE AND GR AND TO PROVIDE A METHODOLOGY FOR SOLVING THESE PROBLEMS IN THE EU

ALL
GEN

Action Nr: SUP-0443-1995-GB

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

The proposal is concerned with SME's and has the objectives of:

- Identifying the barriers that inhibit investment of money and resources in energy efficient activities
- Define the most appropriate mechanisms for overcoming the barriers to energy efficient actions.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

7000 representative enterprises with between 10 and 499 employees in the manufacturing sector have been selected for contact in UK, Greece and Belgium. A questionnaire has been used to identify the influences on energy efficiency investment. The results have been analysed and conclusions drawn.

Achieved Results

A deep assessment of existing barriers has been performed through an extensive enquiry targeted to SME's in the three countries covered by this action.

Attention to overcoming the identified barriers should lead to an acceleration of activities in energy efficiency investment amongst SMEs.

Finance

EU Support: 90.000 ECU

Eligible cost: 90.000 ECU

Contact

Co-ordinator: LINDEN CONSULTING PARTNERSHIP
Address: 1 BOYS BRITISH SCHOOL EAST STREET
CB10 1LH SAFFRON WALDEN ESSEX
UNITED KINGDOM

Responsible: ERIC STRECKER
Tel: 44 1799 524328
Fax: 44 1799 521335
Email: unden.consulting@dial.pipex.com

Participants: ALPHA PI CONSULTING S.A.
PANAGIOTIS FOTILAS AND ASSOCIATES

BELGIQUE
ELLAS

A GLOBAL VIEW TO THE OIL&GAS SUPPLY IND.: INTERACTION BETWEEN TECHN., ECON. AND POLICY

FF

GEN

Action Nr: STR-0449-1995-NL

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

The proposed study focuses on the interaction between the European oil and gas sector and its supply for equipment and services and aims to map out strategic options for the oil and gas industry cluster and governments given the present and future developments. Specific objectives include:

a. To establish the interaction between the European oil and gas sectors and its equipment supply and services industry.

b. To quantify the contribution of these sectors to the European economy.

c. To map and demonstrate the technical innovations and skills located in the SME's.

d. To establish which options are available for future policy development towards strengthening the sectors competitiveness.

Description

The study is made up of 3 main activities:

- Analysis and assessment : first, a quantitative analysis of the industry structure and economic performance, literature and patent survey of performance by the industry in technological innovation; and secondly, a qualitative analysis following feedback from companies through desk research, questionnaires, interviews and a workshop of the business as it exists.

- Formulation of strategic options: research of ideas and foresight in the industry and government to determinate key strategic issues for the improvement of the European industry's competitiveness; Definition of governmental and EC policy options to assist the industry.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Achieved Results

The study provides lessons from the past and presents hints for the future. Thus, the study includes :

a. a statistical, geographical, sectorial and market analysis of the upstream oil and gas supply industry across the EU countries

b. a review of market, research base and governmental/regulatory interfaces pertaining to the different clusters

c. recommendations for actions to strengthen the competitiveness of Europe's oil and gas supply industry.

Finance

EU Support: 200.000 ECU

Eligible cost: 418.990 ECU

Contact

Co-ordinator: NEDERLANDS INSTITUT VOOR TOEGEPASTE
GEOWETENSCHAPPEN

Address: SCHOEMAKERSTRAAT 97
2600 JA DELFT
NEDERLAND

Participants: DANMARKS GEOLOGISKE UNDERSOGELSE
ENIRICERCHE SPA
INSTITUT FRANCAIS DU PETROLE
RF - ROGALAND RESEARCH
THE PETROLEUM SCIENCE AND TECHNOLOGY INSTITUTE

Responsible: M.H. MULDER
Tel: 31 15 2697197

Fax: 31 15 2564800
Email: m.mulder@nitg.tno.nl

DANMARK
ITALIA
FRANCE
NORGE
UNITED KINGDOM

Action Nr: DIS-0450-1995-EU

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

The action consists of an analysis of the specific needs of architects regarding a PV information system and the setting up of a relevant inventory of data and documents available. The objective of the action is a wider penetration of photovoltaics (PV) into the building sector by developing a better understanding of the barriers to the uptake of PV in buildings as well as the required information to facilitate this uptake.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The first task to be undertaken is the analysis of the specific needs for architects regarding a PV information system within different stages of building design and realisation, taking into account technological, economical, meteorological, legislative, environmental and social aspects. This was achieved by consulting architects associations, universities, project developers. It is ended by a meeting with all the partners and the institutes which were originally involved in the proposal (CRES, NMRC, CIEMAT, ECOFYS together with some selected on-field architects).

Achieved Results

The output of this action done by a PV network, is a better knowledge of the barriers to PV implementation in the buildings : the cost, the lack of design expertise and the lack of information for architects. As a result of this it is proposed to build up design expertise and provide the requested information on a European-wide base.

Finance

EU Support:	55.000 ECU	Eligible cost:	55.000 ECU
-------------	------------	----------------	------------

Contact

Co-ordinator:	EUROPEAN RENEWABLE ENERGY CENTRES AGENCY EEIG	Responsible:	G. PALMERS
Address:	KAPELDREEF 75 3001 LEUVEN BELGIQUE	Tel:	32 16 281 522
		Fax:	
		Email:	
Participants:	ASS. POUR LA RECHERCHE ET LE DÉVELOPPEMENT DES MÉTHODES ET PROCE CONPHOEBUS NETHERLANDS ENERGY RESEARCH FOUNDATION UNIVERSITY OF NORTHUMBRIA AT NEWCASLTE	FRANCE	ITALIA NEDERLAND UNITED KINGDOM

DESIGN AND PILOT IMPLEM. OF TRAINING PROJECT ON NEW & RENEW. ENERGY TECHN. FOR INSTALLERS AND NON-QUALIFIED WORKMEN

RES**GEN**

Action Nr: SUP-0451-1995-ES

Starting Date: 01-Mar-96

COMPLETED

Aims and objectives

The aim of this project is to design a training program focused on rational use of energy as well as renewable energy sources. It is to be specifically devised at two levels : for installers of related sectors willing to gain knowledge in this fields, and non-qualified labor interested in gaining access to these work fields. This aim covers the preparation of an education pack, including the needed didactical means, as well as the complete programs detailing the required resources, both human and material.

The project should be targeted to be suitable both for occupational as continuous training. It should also cover those who are working in related sectors and willing to recycle towards a promising new field.

Description

The present action has been carried out in three tasks. Task 1 : identification of the specific conceptual and practical knowledge, considering the identification of the specific conceptual and practical knowledge required for a future RES-focused training programme, two levels : initiation and qualification. This identification includes that of the required previous knowledge and skills, the level needed to reach sufficient understanding, and the estimated time to reach these goals, as well as the needed complementary means. Task 2 : definition of relevant applications, aimed at identifying during the process those applications that might lead to the most significant results, concerning the dissemination and information aims underlying this project. These applications should preferably be specially suited for their implementation at small or medium scale, not requiring a high specialisation level or high qualified skills. Task 3 : inventory of installers-oriented RES training tools, is aimed to build a first compilation of the existing training tools specifically oriented for installers and craftsmen throughout the EU. This compilation has been assessed, including the suitability and specificity of the collected material, its possible adaptability and transportability, the quality of the work and the languages and formats of the training tools, whenever this data has been available.

Achieved Results

The action has yielded a view of how a course for non specialists should be organised, as well as the needed means. This is resulting now in proposals being presented to launch the actions identified.

The action is now being proposed to the training authorities of the spanish region of Madrid, as well as to the INEM (Spanish National Institute for Employment), that are interested in including the concepts to recycle professional installers from declining sectors.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support: 40.000 ECU

Eligible cost: 45.000 ECU

Contact

Co-ordinator: DR. -ING. H. -P. GRIMM - CENTRE NEW TECHNOLOGIES

Responsible: REDHA SALMI

Address: ENGELHARDSTR. 12
81369 MÜNCHEN
DEUTSCHLAND

Tel: 49 89 7201273

Fax: 49 89 7201240

Email:

Participants: EUROPEAN FORUM FOR RENEWABLE ENERGY SOURCES

BELGIQUE

SELECTION OF TECHNOLOGIES AND INNOVATIONS REQUIRED FOR THE RESTORATION OF 5 HISTORIC WATERPOWER SITES IN THE UK (TASK 1)

RES

HY

Action Nr: SME-0458-1995-GB

Starting Date:

COMPLETED

Aims and objectives

The aim of this task is to investigate the technical innovations required for the cost effective restoration of historic water power sites. There are a large number of abandoned hydro schemes on properties owned by a historic monuments charity, the National Trust, most of which are open to the general public. Once restored, the schemes would not only provide a clean source of electricity for the Trust's properties but also provide a vehicle for raising public awareness of the state of the art technologies that can be used for small hydro schemes, and of demonstrating the integration of environmental factors with technology.

The selection of technologies, and exploration of innovative techniques is an important first step in the restoration of abandoned waterpower schemes.

Description

1) Semi structured interviews with 47 managers of historic waterpower site. 2) Select is most promising, visit and survey. Draw up draft design and technology selection for each. 3) select 5 best schemes, carry out full design study.

Achieved Results

The proposed action has given an indication of the technical and economic feasibility of each scheme. The results form the basis of full economic (including the utilisation of electricity generated) technical and environmental feasibility studies leading to the potential restoration of the five demonstration sites, and the construction of displays informing the public of the processes, techniques and impacts of the schemes.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support:

35.000 ECU

Eligible cost:

55.870 ECU

Contact

Co-ordinator: DULAS ENGINEERING LTD
Address: THE OLD SCHOOL, EGLWYSFACH
SY20 8SX MACHYNLLETH, POWYS
UNITED KINGDOM

Responsible: R.C. EDWARDS
Tel: 44 1654 781332
Fax: 44 1354 781390
Email:

Participants: PROJEKT-CONSULT GMBH

DEUTSCHLAND

Action Nr: DIS-0463-1995-NL

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

Investigation of the potential for ground aquifer thermal storage systems (ATES), similar to those in use in The Netherlands, including barriers for their implementation both technical and legal.
Dissemination of the results within the involved countries and of the technology itself.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

This study gives information about the feasibility of storing seasonal surplus heat/cold in the ground. This seasonable surplus energy storage is a question of storing cold energy under ground during the winter season and using it in the summer months for cooling buildings products. During this process the exchanged heat is stored at a different place underground for use in the following winter.

The report gives an overview about the problems in the Netherlands and the problems which accompany the technique. As some areas (UK, DK, DE, BE-Flanders) in Europe have similar conditions they have been analysed concerning geohydrological and climatic data, regulations and policies, current ground, water availability and energy prices.

Achieved Results

Main results could be that the application of this technology in several countries of the north-west region of Europe due to complete mapping of these regions is possible:

NL : has already some experience; 103 projects are already realised or will be soon.

GE : has in general more or less 90% of the soil is suitable for storage purposes..

DK : The conditions are good to fair over the whole country..

UK : Only 20% of the country are interesting. It seems to be a lucky coincidence that in some regions concentrations of inhabitants are the same as the best circumstances for this storage.

BE : In Flanders, 60% of the soil have good conditions; 1 project was already completed.

DE : In big parts of Germany the soil is suitable for energy storage. Especially the north and east-regions have very good storage properties (this part was subject of this report). Also the area between Danube and Alps and parts of the Rhine valley seem to be interesting.

Finance

EU Support:	70.000 ECU	Eligible cost:	100.000 ECU
-------------	------------	----------------	-------------

Contact

Co-ordinator: GRONTMIJ ADVIES & TECHNIEK BV.
Address: DE HOLLE BILT 22 PO BOX 203
3730 AE DE BILT
NEDERLAND

Responsible: ING. H.C. ROEL
Tel: 31 30 2207911
Fax: 31 30 2210730
Email:

Participants: ELEMENTAL (HYDROGEOLOGICAL) LTD
ENERGY & ENVIRONMENTAL CONSULTANTS
GEOHERMIE NEUBRANDENBURG GMBH
IF TECHNOLOGIE BV

UNITED KINGDOM
DANMARK
DEUTSCHLAND
NEDERLAND

A THERMIE STAND AT THE ENVIRONMENTAL EQUIPMENT & MANAGEMENT EXHIBITION, APRIL 1996, UNITED KINGDOM

**ALL
GEN**

Action Nr: DIS-0471-1995-GB

Starting Date: 01-Feb-96

COMPLETED

Aims and objectives

The objective of this action was to encourage awareness and motivate organisations and their workers to protect the environment by reducing the impact energy production and use has on it. The environmental equipment management exhibition is one of the major events in the energy and environmental calendar in the UK. This event ran concurrently with the following engineering exhibitions : energy resources, heat exchanger, pump and valve systems and process separation and so was able to maximise the number and range of delegates who were contacted.

Description

An exhibition site and shell scheme has been requisitioned from the exhibition organisers, THERMIE panels were produced which outlined the work of the programme, literature supplies were gathered from the European Commission and the old OPET network. Computer facilities were arranged in order that demonstrations of commission databases would take place on the stand. At the event, the concept of THERMIE was publicised and the staff managing the stand explained how THERMIE could assist various delegates, advice was given and queries answered. Literature stocks were available on a wide range of THERMIE actions. Database demonstrations were performed and the work of the EU was promoted. An enquiry register was maintained.

Achieved Results

The stand evoked considerable interest from delegates THERMIE appears to be of great interest to organisations because of a large number of visitors came to the stand. Although substantial amounts of literature had been taken to the event based upon previous experience demand far exceeded all expectations and additional quantities of literature had to be delivered overnight from ETSU. Maxibrochures were the most popular publications. The staff managing the stand had a constant stream of enquiries from visitors the stand and a lot of people showed interest in the IT developments which the commission are undertaking. 75 delegates requested that additional literature and/or the next call for THERMIE proposals be sent to them. Each of these are potential applicants who could contribute to the development of the programme. THERMIE A or THERMIE B actions may well result from this THERMIE activity. These results are difficult to measure because they will happen in the future and may not demonstrate a clear link with the fact that the applicants were initially stimulated at this event. 8260 people visited the exhibition, 63% of them having direct purchasing authority.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support:	50.000 ECU	Eligible cost:	50.000 ECU
-------------	------------	----------------	------------

Contact

Co-ordinator:	ETSU	Responsible:	L WATLING
Address:	HARWELL 154 OX11 ORA DIDCOT UNITED KINGDOM	Tel:	44 1235 43 2014
		Fax:	44 1235 43 2050
		Email:	
Participants:	FRIEDEMANN & JOHNSON CONSULTANTS GMBH		DEUTSCHLAND

POSSIBILITIES OF MUNICIPALITIES TO ACHIEVE ENVIRONMENTALS IN THE ENERGY SECTOR.TECH,INNOVATION, ENVIRO. LOAD

Action Nr: STR-0483-1995-DE

Starting Date: 01-May-96

COMPLETED

Aims and objectives

The main objective of this activity is to demonstrate possibilities for medium-sized municipalities how to contribute to the national aims of energy saving and emission reduction with practical examples. Another aim is to promote market penetration of efficient energy technologies by demonstrating sector-specific energy consumption, its saving potential, reduction of emissions and the improvement of environmental quality. Inter-regional comparison of three towns in representative geographic and socio-economic areas of the EU will show specific energy saving potentials and restraints and will facilitate planning for optimum allocation of activities.

Description

First, an assessment study is undertaken on a German medium sized municipality (30000-50000 inhabitants); The energy demand of the municipality is assessed by sector and serves as baseline for the assessment of the impact of energy and emission saving technologies. The socio-economic aspects of the implementation of the new technologies are evaluated in terms of employment and incomes. Finally the barriers for the implementation of energy efficient technologies are identified. The dissemination of the results will be achieved through a seminar and the results will be disseminated in Greece and the UK.

Achieved Results

The results will strengthen the monitoring and assessment capabilities of the towns for sector specific energy demand and emission development and will outline the potential for energy savings and reduction of the environmental load. The proposed solutions can be used for the subsequent formulation of a municipal energy concept and serve as information and arguments in sensibilisation campaigns.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support: 100.000 ECU

Eligible cost: 100.000 ECU

Contact

Co-ordinator: FRIEDEMANN & JOHNSON CONSULTANTS GMBH
Address: PESTALOZZISTR. 88
10625 BERLIN
DEUTSCHLAND

Responsible: DIETER NILL
Tel: 49 30 312 26 84
Fax: 49 30 313 26 71
Email:

Participants: MARCH CONSULTING GOUNP
SYNERGIA

UNITED KINGDOM
ELLAS

MINI-HYDRO GENERATION IN URBAN AND SUBURBAN AREAS. ASSESSMENT STUDY OF POTENTIAL SITES AND CONDITIONS FOR

RES**HY**

Action Nr: DIS-0486-1995-IT

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

The objective of the research study is to identify potential sites located in urban and suburban areas by investigating where optimal conditions exist for the implementation of convenient Small Hydroelectric Power Plants.

Old abandoned or still existing not used SHPP plants are identified too. Local favourable conditions are considered, like local power generation ownership, public and private initiative, local involvement of the public administration in power generation, energy demand of the municipality, etc.

Description

The action has been divided in three different phases. The first task was the preparation of the survey activity in Italy and Portugal : a database containing a list of institutes; organisations and local authorities involved in the water sector has been prepared. In the second phase, these authorities/institutes have been contacted : a questionnaire on sites that could be exploited has been mailed. In the third phase, on the basis of received data an estimation of still existing SHPP potential (installable power, energy production, costs, etc.) in urban and suburban area have been performed. Due to the low level of response, obtained data have also been integrated through previous similar studies performed at regional level.

Achieved Results

The result of this research study consists of a pattern of sites, available installable powers, possible yearly energy estimates, cost-benefit estimates and implementation costs of potential SHP plants that could be installed in urban and suburban areas. Other results like potential public services possibly supplied by SHPP, avoided costs and avoided CO2 emissions has been estimated

The result of this study should stimulate decision makers and local authorities to implement such SHP plants. This study already offered the possibility to some EU SMEs to present applications to the THERMIE Programme for support to feasibility studies on some sites identified during the current project in Italy.

The action should probably lead to concrete investment projects in the future, however, this aspect will certainly be strongly influenced by the different national policies on incentives and support to renewable energy sources that will be implemented in the next years.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support:	50.000 ECU	Eligible cost:	110.000 ECU
-------------	------------	----------------	-------------

Contact

Co-ordinator: ETA CONSULTING SRL
Address: PIAZZA SAVONAROLA 11
50132 FIRENZE
ITALIA

Responsible: DAVID CHIARAMONTI
Tel: 39 55 5002174
Fax: 39 55 573425
Email:

Participants: CEEETA PARTEX CPS

PORTUGAL

A STRATEGY FOR ENERGY AND ENVIRONMENT IN THE MEDITERRANEAN HOTEL SECTOR

RUE
GEN

Action Nr: STR-0489-1995-GR

Starting Date: 01-Mar-96

COMPLETED

Aims and objectives

To examine the current state of the hotel sector in the Mediterranean area, regarding actual capacity, potential and energy features.

To identify the State of the art of RUE and RES applications in hotel building

To identify existing barriers for the wide-spread application of energy efficient measures and use of renewable energy technologies

To formulate a common strategy, addressed to decision makers and actors involved in the hotel industry, for the elimination of barriers and the improvement of energy efficiency

Description

The consortium in order to achieve the aims carried out : an overview of the Mediterranean hotel sector through statistical data, collection and survey of previous studies, investigation about efficient energy technologies presently implemented and about the state of the art of the sector, assessment of potential energy savings, identification of restriction and barriers to the implementation of efficient energy technologies, elaboration of a common strategy for the Mediterranean area and identification of specific actions in order to overcome barriers.

Achieved Results

A strategy for the promotion of energy efficiency has been defined and the results of the study have been presented in a report and as well as in 5 country related "Support Document" indicating specific actions for the implementation of the proposed measures.

The support Document intend to be used as a tool by decision makers and actors involved in the sector, enabling them to undertake priority actions and effective measures towards energy efficiency and environmental protection. As a result of the study, a wider penetration of the new energy technologies is expected. Thus, a strengthening of the new energy technologies market is expected.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support:	120.000 ECU	Eligible cost:	120.000 ECU
-------------	-------------	----------------	-------------

Contact

Co-ordinator: CENTER FOR RENEWABLE ENERGY SOURCES
Address: 19TH KM ATHINON MARATHONOS AVE.
190 09 PIKERM
ELLAS

Responsible: DIMITRIS PAPASTEFANAKIS
Tel: 30 1 60 39 900
Fax: 30 160 39 904 /11
Email:

Participants: ADEME
CINAR SA
HELLENIC FEDERATION OF HOTELIERS
ICAEN
J. KEFALOGIANNI

FRANCE
ELLAS
ELLAS
ESPAÑA
ELLAS

TECHNOLOGY STIMULATION FOR SMES IN THE TEXTILE INDUSTRY THROUGH THE PRODUCTION OF A TARGETED PUBLICATION

RUE

IN

Action Nr: SME-0492-1995-GR

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

- to promote technical projects on innovative energy efficient technologies in the textile sector through the dissemination of articles in textile trade journals and the publication of the newsletter;
- to continue the partner search database for demonstration projects for SMEs;
- to continue to produce the newsletter as a means of providing needed information to the textile industry on a European level;
- to prepare a sectorial brochure with the purpose of promoting interest in the submission of Thermie Type A project proposals.

Description

The activities undertaken within this task are :

- printing and disseminating of 2 issues of the newsletter through EURATEX as a supplement to their newsletter
- to update and maintain the partner search database created by EURATEX
- to develop and disseminate two technical articles to textile trade journals
- to prepare one sectorial brochure

This was a concerted action producing a serie of newspaper, leaflets and articles in the textile sector. In addition a database for partners search in order to create international projects was continued.

Achieved Results

- Printing of two issues of the newsletter (1500 copies per issue) and dissemination to textile trade journals in 7 European countries;
- Printing and dissemination of a sectorial brochure, also disseminated at the Thermie stand during the AERION'97 exhibition on Natural Gas, Athens;
- Update of the partner search database created by Euratex through the responses for projects received through the newsletter and the questionnaire which was elaborated and disseminated along with the second issue of the newsletter (issue n°4);
- Development and dissemination of three articles to relevant textile trade journals.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support: 50.000 ECU Eligible cost: 62.600 ECU

Contact

Co-ordinator: LDK CONSULTANTS ENGINEERS & PLANNERS
Address: 7, SP. TRIANTAFYLLOU STR.
113 61 ATHENS
ELLAS

Responsible: LEONIDAS DAMIANIDIS
Tel: 301 8629 660
Fax: 301 8617 681
Email: ldk@mail.hol.gr

Participants: CENTRO PARA A CONSERVAÇÃO DE ENERGIA
EUROPEAN ORGANISATION FOR APPAREL AND TEXTILES
FEDERATION OF SCIENTIFIC AND TECHNICAL ASSOCIATIONS
ICAEN
MARCH CONSULTING GOUNP

PORTUGAL
BELGIQUE
ITALIA
ESPAÑA
UNITED KINGDOM

TECHNOLOGY STIMULATION FOR SMES IN THE TEXTILE SECTOR THROUGH SPECIALISED TRAINING COURSES

RUE**IN**

Action Nr: SME-0493-1995-GR

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

The aims of the project are 1) to inform the technical directors of textile SMEs about new and improved energy technologies on a technical and economic level, 2) to demonstrate the viability of investments in these technologies. The specific objectives of the action are 1) to organise a three-day equivalent training course in Greece, Spain and The Netherlands 2) to develop core material for the training courses on horizontal technologies in the form of a workbook

Description

The action consisted of the organisation of a three-day equivalent training course in each of the following countries : Greece, Spain and the Netherlands which will be conducted in the manner of group sessions consisting of half-day each with a total of 4-6 groups sessions taking place. A core material was developed for the training courses on Horizontal Technologies which was presented in a workbook form, with activity questions and assignments.

Achieved Results

With the completion of the projects, a number of about 160 trainees (all the participants were chemical and mechanical engineers, directly employed in the textile industry, with specific responsibility for energy efficiency), in nine countries throughout Europe were given a thorough understanding of the key role that energy played within the various processes, and were offered practical means by which energy consumption could be reduced.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support: 150.000 ECU

Eligible cost: 198.276 ECU

Contact

Co-ordinator: LDK CONSULTANTS ENGINEERS & PLANNERS
Address: 7, SP. TRIANTAFYLLOU STR.
113 61 ATHENS
ELLAS

Responsible: LEONIDAS DAMIANIDIS
Tel: 301 8629 660
Fax: 301 8617 681
Email: ldk@mail.hol.gr

Participants: CENTRO PARA A CONSERVAÇÃO DE ENERGIA
EUROPEAN ORGANISATION FOR APPAREL AND TEXTILES
ICAEN
VLAAMSE THERMIE COÖRDINATIE E.S.V.

PORTUGAL
BELGIQUE
ESPAÑA
BELGIQUE

LIFE-CYCLE ENVIRONMENT IMPACT ASSESSMENT OF THERMIE PROGRAMME (1990-1994)

ALL
GEN

Action Nr: STR-0497-1995-GB

Starting Date: 01-Mar-96

COMPLETED

Aims and objectives

The aim of this action were to provide a rigorous and reliable assessment of the life cycle environmental impacts of a sample of Thermie projects and to investigate the use of the life cycle assessment (LCA approach) in the context of Thermie.

Description

The objectives of this action were:

- to assess the suitability of the LCA approach for energy technologies, in the context of the Thermie programme;
- Advise on a LCA type approach to the assessment of the environmental impacts of energy technology demonstration projects, such as those supported under Thermie;
- to provide case study results for selected technologies, based on Thermie-A projects, which(i) provide some insight as to whether, over the life-cycle, innovative energy technologies deliver net environmental benefits compared to conventional technologies; and (ii) provide an indication of possible environmental barriers to the promotion of innovative technologies.

Achieved Results

An assessment of the life-cycle environmental impacts for 6 cases studies, based on Thermie-A (demonstration) projects, covering wind power, hybrid buses, combined heat and power for district heating and cooling, photovoltaics in buildings, active solar and passive solar technologies. These results illustrate the net environmental benefits which arise from cradle to grave from the use new energy technologies in place of conventional technologies.

The results also provide valuable lessons for the use of LCA for energy projects and innovative technologies and provide the basis for recommendations on the possible uses of LCA within the context of energy technology demonstration and dissemination, at the programme and project level.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support: 141.000 ECU

Eligible cost: 141.500 ECU

Contact

Co-ordinator: ECOTEC RESEARCH AND CONSULTING
Address: PRIESTLEY HOUSE - 28-34, ALBERT STREET
B4 7UD BIRMINGHAM
UNITED KINGDOM

Responsible: RICHARD HAINES
Tel: 44 21 616 10 10
Fax: 44 21 616 10 99
Email:

Participants: ENERGY UNLIMITED
GOPA-CONSULTANTS
SYNERGIA

UNITED KINGDOM
DEUTSCHLAND
ELLAS

Action Nr: DIS-0506-1995-GB

Starting Date: 01-May-96

COMPLETED

Aims and objectives

The aim of the project is to demonstrate, through a review of the co-combustion concepts, its drivers, its barriers and its benefits, the commercial and technical benefits of co-combustion as a source of energy. The project includes also the preparation and the publication of illustrative case-studies and a study-tour to disseminate the operator's experience to a target audience.

 Business-Mission

 Seminar

 Workshop

 Exhibition-stand

 Conference

 Training

 Exhibition

 Publication

 Audit-assessment

Study

 Electronic Catalogue

 Other

Description

Preparation of a review of co-combustion, its technologies & the commercial issues associated with its uptake.

Preparation of a series of illustrative case studies.

Study low to four co-combustion plants.

The review includes a survey of current European co-combustion activity, through a literature search and through direct contacts. This review includes a survey of European co-combustion activity. Each case-study is anticipated to comprise four sides of test, including photographs and appropriate illustrations. During the study tour the material will be distributed to the target audience. A follow-up will complete the action.

Achieved Results

European organisations working in the energy supply sector in Europe is expected to become familiar with the concept of co-combustion and to be able to recognise the critical success factors that leads to its commercial success. The EU technology has been show-cased to a wider audience. This was achieved through the production of a review of co-combustion technologies and their commercial drivers and barriers, a series of illustrative case studies, and a concluding study tour to directly disseminate operators' experience to a target audience.

Finance

EU Support:	110.000 ECU	Eligible cost:	110.000 ECU
-------------	-------------	----------------	-------------

Contact

Co-ordinator: UNITED KINGDOM ANATOMIC ENERGY AUTHORITY
 Address: AEA TECHNOLOGY - ETSU - 10.69 HARWELL
 OX11 0RA DIDCOT
 UNITED KINGDOM

Responsible: L C DANIELS
 Tel: 44 1235 43 4488
 Fax: 44 1235 43 4092
 Email:

Participants: SYDKRAFT KONSULT AB
 VTT ENERGY

SVERIGE
 SUOMI

ANALYSIS OF EXPORT CONSTRAINTS AND OPPORTUNITIES FOR EUROPEAN SMALL SCALE HYDRO EQUIPMENT MANUFACTURERS

RES

HY

Action Nr: SME-0507-1995-GB

Starting Date: 01-May-96

COMPLETED

Aims and objectives

The overall aim of this proposal is to assist the EU small-scale hydro industry increase its share of the world market. The specific objectives of the study are :

- Identify the extent of the world market for small scale hydro equipment and services supplied by EU companies
- Establish the reasons for the success or limitations of the EU industry to meet this demand
- Identify the main barriers to exports from the EU and the extent to which these can be addressed by existing initiatives
- Propose innovative solutions to assist small-scale hydro development in non EU countries and their effectiveness in export promotion

Description

The major EU Hydro turbine manufacturers in small hydro equipment have been contacted. The received response was analysed and the potential to improve the industries export potential analysed. Recommendations to improve export performance has been made.

Work Programme :

- Review of the size and shape of the EU-World trade,
- Review of the success sample of the EU SHP industry in exporting,
- Identification of the barriers,
- Review of the requirements for SHP installations in Third Countries,
- Development of proposals for strengthening the exporting position of the EU manufacturers

Achieved Results

The study has produced a report which could be a useful as a reference point for information on potential markets and a source of assistance.

This action has not lead directly to on investment project.

The study has identified the magnitude of the export barriers faced by small-scale hydro equipment manufacturers within the EU. It has reviewed the effectiveness of existing measures and provide an action plan for steps to strengthen the EU export position at an industry level. The results from the study have also been used to capitalise on existing export initiatives offered by the EU.

Unfortunately, the lack of participation from the industry to the survey has weakened the analysis of the survey.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support: 100.000 ECU

Eligible cost: 160.000 ECU

Contact

Co-ordinator: ETSU
Address: HARWELL 154
OX11 ORA DIDCOT
UNITED KINGDOM

Responsible: L WATLING
Tel: 44 1235 43 2014
Fax: 44 1235 43 2050
Email:

Participants: INSTITUT FÜR WASSERKRAFTMASCHINEN UND PUMPEN -
TECHNISCHE UNIVER

ÖSTERREICH

FUEL CELL DEMONSTRATION IN EUROPE-A PERSPECTIVE FROM POTENTIAL USERS

RUE

EI

Action Nr: STR-0508-1995-GB

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

The aim of this action was to make an input to the development of the EC's fuel cell demonstration programme based on the needs of potential customers and other influential organisations.

The specific objectives are:

- . to assess whether these organisations have particular demonstration requirements;
- . to establish these requirements in terms of technology, scale, application and timing;
- . to assess the possible implications for the EC's fuel cell demonstration strategy.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The project involved interviewing a wide range of organisations, including utilities, transport operators, oil companies and vehicle manufacturers. These organisations were asked about relevant experience of fuel cells, potential markets and applications, the benefits fuel cells could bring, the main barriers to commercialisation and how they might be overcome. Those organisations more familiar with fuel cells were also asked to comment on the future priorities for fuel cell demonstration, the strengths and weaknesses of European fuel cell programmes and the role of the EC.

Achieved Results

The results of interviews and an analysis of the implications for the EC's strategy are presented in a published final report.

Finance

EU Support: 65.000 ECU

Eligible cost: 80.900 ECU

Contact

Co-ordinator: ETSU
Address: HARWELL 154
OX11 ORA DIDCOT
UNITED KINGDOM

Responsible: H. HAYDOCK
Tel: 44 1235 43 2592
Fax: 44 1235 43 2817
Email:

Participants: KFA-BEO
NATIONAL AGENCY FOR NEW TECHNOLOGY, ENERGY AND THE
ENVIRONMENT

DEUTSCHLAND
ITALIA

NOX-ABATEMENT TECHNOLOGY FOR COMBINED HEAT AND POWER

RUE**IN**

Action Nr: DIS-0512-1995-NL

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

To obtain an overview of state of art NOx abatement technology for CHP. Dissemination of the latest technology as applied to gas turbine or gas engine based CHP. To produce and disseminate a brochure on these items.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

A brochure is produced on the latest state of NOx reduction technology and appropriate demonstration projects. Several demonstration projects are presented as case studies, including technical and economical details. The brochure includes an overview of the environmental regulation in several countries, an introduction of NOx formation, a review of the latest NOx reduction technologies and the description of the demonstration projects. The text has been reviewed by international experts.

Expected Results

2000 copies of the brochure have been printed and disseminated.

Will lead to increased possibilities for suppliers of CHP equipment to sell low NOx installations or to adapt existing installations in order to reduce NOx-emissions.

Finance

EU Support: 40.000 ECU

Eligible cost: 40.000 ECU

Contact

Co-ordinator: NOVEM
Address: PO BOX 17
6130 AA SITTARD
NEDERLAND

Responsible: F. VAN BUSSEL
Tel: 31 46 42 02 332
Fax: 31 46 452 82 60
Email:

Participants: UNITED KINGDOM ANATOMIC ENERGY AUTHORITY

UNITED KINGDOM

Action Nr: DIS-0513-1995-NL

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

Dissemination of the latest technology in gas expansion.

Dissemination of the results of the recently successfully finished THERMIE demonstration projects EC/155/89 and EI/283/91 in the Netherlands as well as of information on the ongoing German THERMIE project at EWV at Stolborg and other projects in Germany.

Objective: To inform the target group of potential users on gas expansion technologies experience, know-how, results.

 Business-Mission

 Seminar

 Workshop

 Exhibition-stand

 Conference

 Training

 Exhibition

 Publication

 Audit-assessment

 Study

 Electronic Catalogue

 Other

Description

Organisation of a 2 days conference concerning the above mentioned projects and a 1 day site visit trip to projects in The Netherlands and Germany. All participants received a symposium guide.

Achieved Results

Current attempts to achieve energy savings through gas expansion show that gas expansion is considered as a high risk option, not only technically, but also financially.

Finance

EU Support:	50.000 ECU	Eligible cost:	50.000 ECU
-------------	------------	----------------	------------

Contact

Co-ordinator:	NOVEM	Responsible:	H. STROEKEN
Address:	PO BOX 17	Tel:	31 46 4202302
	6130 AA SITTARD	Fax:	31 46 52 82 60
	NEDERLAND	Email:	
Participants:	ARBEITSGEMEINSCHAFT FÜR SPARSAMEN UND UMWELTFREUNDLICHEN ENERGIE		DEUTSCHLAND

DISSEMINATION OF THE RESULTS OF SUCCESSFUL INDUSTRIAL EC DEMONSTRATION PROJECTS IN INDUSTRY, ESPECIALLY SME'S

RUE

IN

Action Nr: SME-0514-1995-NL

Starting Date: 01-Apr-96

ONGOING

Aims and objectives

Replication in the Netherlands and North Rhine Westphalia/Germany of innovative industrial technologies demonstrated in the framework of the THERMIE and earlier EC demonstration programmes for energy technology. Extension of the action to other regions has been envisaged.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The action is based on the findings of the Commission report 'Evaluation of THERMIE projects', issued in March 1995, which includes a list of successful EC demonstration projects with replication potential. The two industrial subsectors with the most promising projects from this list have been selected for a promotion campaign for replication projects. Part of this campaign is the production and mailing of two brochures on these projects (one for each industry sector), as well as a workshop for SME's in these sectors. Part of the Work Programme is the bringing together of interested parties and the organisation of first discussions on the replication of the technologies promoted.

Expected Results

Through this action, it is expected more replications of successful EU demonstration projects that should lead to concrete investment projects in innovative technologies in SME's.

Finance

EU Support:	150.000 ECU	Eligible cost:	150.000 ECU
-------------	-------------	----------------	-------------

Contact

Co-ordinator: NOVEM
Address: SWENTIBOLDSTRAAT 21
6130 AA SITTARD
NEDERLAND

Responsible: T.W.M. HAANEN
Tel: 31 46 4202304
Fax: 31 46 452 82 60
Email: nlnovthh@ibmmail.com

Participants: BRAUN CONSULTANTS IN TECHNOLOGY AND MANAGER BV
ZENTRUM FÜR INNOVATION UND TECHNIK GMBH

NEDERLAND
DEUTSCHLAND

Action Nr: STR-0516-1995-GB

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

The principal aim of the Transport Marketing Group is to identify and disseminate best practise in marketing the energy efficiency message in the transport sector in EU Member States and Central and Eastern Europe.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The work is largely based on a programme of interviews and case studies with the key actors in operating companies, their associations and national organisations. These have identified the target audiences for marketing activities and their needs. They also review the experience from current and past initiatives and collect the experience and views of professionals in the transport field. Advice is given to an Priority Measures for future support and to other organisations on key opportunities for marketing actions and how best to implement .

Achieved Results

The main results are the a description of the critical success factors in marketing transport initiatives in different market sectors (URBAN PASSENGER TRANSPORT, FREIGHT, CENTRAL AND EASTERN EUROPE). They are used as the basis for a series of recommendations on best practise in marketing transport.

The potential business opportunities, if the recommendations are implemented, are wide ranging. These could include, for example, third party fuel management for fleet operators, supply of fuel consumption monitoring equipment and supply of new vehicle technologies. In addition, our recommendations, if implemented, would lead to a reduction in cases of operating companies, therefore giving rise to an increased competitiveness.

Finance

EU Support: 145.000 ECU

Eligible cost: 145.000 ECU

Contact

Co-ordinator: UNITED KINGDOM ANATOMIC ENERGY AUTHORITY
 Address: AEA TECHNOLOGY - ETSU - 10.69 HARWELL
 OX11 0RA DIDCOT
 UNITED KINGDOM

Responsible: L C DANIELS
 Tel: 44 1235 43 4488
 Fax: 44 1235 43 4092
 Email:

Participants: ADEME
 BCEOM
 COWI CONSULT
 GOPA-CONSULTANTS
 INNOTEC SYSTEMANALYSE GMBH

FRANCE
 FRANCE
 DANMARK
 DEUTSCHLAND
 DEUTSCHLAND

CONCERTED NETW. OF THERMIE BUILD. TARGETED PROJ. ON ENERGY AND ENVIR. ASSESSM. METH. AND TARGETED PROJ. DISS. ACTIONS

RUE

BU

Action Nr: SUP-0517-1995-ES

Starting Date: 01-Apr-96

ONGOING

Aims and objectives

To bring together the current building targeted projects to exchange information and to develop and disseminate a common pan-european method to assess buildings from the energy and environmental standpoint. The action is specifically addressed to prescriptors (architects and developers), public bodies and builders.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The project includes the combination of several diverse methods for the assessment of energy and environmental impacts of buildings. These are analysis of energy consumption and emissions associated with the building life cycle, environmental preference of building materials and environmental design opportunities. It aims to synthesise a single assessment method including all of these elements. Additionally the resultant methodology aims to be applicable to numerous countries in Europe. This requires the consideration of different construction practices and standards and the distinct environmental impacts of materials in different countries (for example concrete has a very high relative environmental impact in the Netherlands and a relatively low one in Spain).

Expected Results

A common energy and environmental assessment tool called BE2AM (Building Energy and Environmental Assessment Method) for residential and office buildings. This tool will enable comparisons between countries of building performance relative to a standard reference points. Other results contained in the action : application to and assessment of various Thermie A projects, an explicit comparison of building standards between different European countries, an environmental preference assessment for common building solutions, a source of design ideas and solutions for environmentally conscious building.

Opportunities to promote building developments on the basis of their energy and environmental credentials, opportunities to select the most environmentally sensitive design solution in cases of design competition or competitive tender, opportunities for building professionals to measure and improve their performance relative to a recognised national and European benchmark.

Finance

EU Support:	190.000 ECU	Eligible cost:	380.000 ECU
-------------	-------------	----------------	-------------

Contact

Co-ordinator:	FUNDACIO PRIVADA INSTITUT ILDEFONS CERDAS	Responsible:	ALBERT GIRBAL
Address:	NUMANCIA 185	Tel:	34 3 280 23 23
	08034 BARCELONA	Fax:	34 3 280 11 66
	ESPAÑA	Email:	
Participants:	CENERGIA ENERGY CONSULTANTS	DANMARK	
	CITY COUNCIL OF BRISTOL	UNITED KINGDOM	
	ECD ARCHITECTS & ENERGY CONSULTANTS	UNITED KINGDOM	
	STITCHING WOON/ENERGIE	NEDERLAND	

Action Nr: STR-0519-1995-GB

Starting Date: 01-Apr-96

ONGOING

Aims and objectives

The aim of the action is to develop an information tool on present and future European energy technology developments directed at decision makers for energy RTD strategy at national and European data. It aims to improve the foresight into global energy technology issues across the EU at all decision making levels for demonstration and dissemination. It is based on a detailed picture of the energy technology scene in the EU focusing on technology and market conditions for 5 technology sectors (Supply & Demand Side) on a time horizon of 1995 to 2010. The Atlas will also contain coverage of the energy technologies in countries beyond Europe (US, Japan, Emerging economies and Developing countries) where the world perspective is important for European industry.

Description

The project covers two phases:

Phase I (completed):

Data collection through the EnR Network on market status of technologies/processes, technology maturity, present and future energy technology costs, market potentials, direct and indirect technology related benefits, market barriers, social barriers and constrains on resources;

Consultation of industrial players through a strategy workshop, Brussels, 30./31. January 1997

Elaboration of sectoral technical reports and detailed technology modules

Phase II (ongoing):

Production of a concise summary publication on the ATLAS Phase I results

Up-dating of selected data stocks

Transformation of the complete data set in an electronic information base with http. facility.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Expected Results

The project provided a comprehensive overview on technology state of the art and future prospects indicated by industrial trends (bottom-up approach). The technology modules are contributing to energy technology RTD prioritisation processes for decision makers at all level - establishing a reference document on current reality, future potentials and benefits of energy technology RTD. The provision of the ATLAS Information Base will allow to access the full data sets and guide more detailed research for potential users.

Finance

EU Support: .600.000 ECU

Eligible cost: .600.000 ECU

Contact

Co-ordinator: ETSU
Address: HARWELL 156
OX11 ORA DIDCOT
UNITED KINGDOM

Responsible: DR. GEORGE MARSH
Tel: 44 1235 432533
Fax: 44 1235 432662
Email: George.Marsh@aeat.co.uk

Participants: ADEME
AGENCE DE L'ENERGIE
BUILDING TECHNOLOGIES - TECHNICAL RESEARCH CENTRE OF
FINLAND
CENTER FOR RENEWABLE ENERGY SOURCES

FRANCE
LUXEMBOURG
SUOMI
ELLAS

PROG. FOR THE DISSEMIN. OF SOLAR THERMALLY SUPPORTED ENERGY SERVICE SYSTEMS FOR HEAT AND AIR-CONDITIONING IN BUILDING

RUE
RES
BU

Action Nr: SME-0525-1995-DE

Starting Date: 19-Feb-96

COMPLETED

Aims and objectives

To ascertain and to define the potential regarding the utilization of solar heat
To overcome the individual reservations and reluctant attitudes of users and investors.
The target groups are hotels and restaurants, public institutions.
Analysis of heating/cooling demand, inventory of existing installations, market potential assessment for solar thermal systems, design of appropriate solutions and technico-economical aspects for selected typical demonstrations plants. Design of an appropriate dissemination strategy, including specific conferences, seminars and workshops for various target groups, such as hotel owners, the banking sector, designers, craftsmen and plumbers

Description

Data collection in 80 premises (hotels and restaurants) concerning the possibilities of integrating a solar thermal system into the existing heating and cooling installation. Elaboration of a database as basis for a potential analysis regarding the realisation of solar thermal systems in hotels and restaurants. Showing technical solutions for the 80 ventures who took part in this programme. Lecture courses during several information events and workshops. Working out a dissemination strategy for the HOTSOL Know-how.

Achieved Results

The demand for warm water and room heating in spring, summer and autumn is extremely high and therefore suitable for the use of solar thermal systems. Cooling requirements are confined to food only in small standard units, air-conditioning systems are actual non-existent. Good technical conditions (concerning roof, isolations, existing heating installations etc.) for the realization of solar thermal systems are available in up to 60% of all hotels and restaurants in Southern Tyrol. 30% have to renovate their existing energy installations before adding a solar thermal system. Requirement of more qualified information on renewable energy systems such as solar technology for hotel and restaurant owners through media or direct contacts, as well as for engineers, craftsmen and plumbers through seminars and workshops.
Investments of hotel and restaurant owners in solar thermal heating systems, Work in environmental fields of energy supply for engineers, craftsmen and plumbers, Strengthen and saving the Southern Tyrol tourism as a guarantee for the upturn of the regional economy.
Increasing inquiries of other hotel and restaurant owners, who did not participate the HOTSOL-Programme, for concrete planning assistance.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support:	120.000 ECU	Eligible cost:	135.000 ECU
-------------	-------------	----------------	-------------

Contact

Co-ordinator:	MARKETING- UND TECHNOLOGIE-CONSULT GMBH	Responsible:	BRACHTHÄUSER K.H.
Address:	VELASKOSTRASSE 2	Tel:	089 900596 0
	85598 FELDKITCHEN	Fax:	089 900596 20
	DEUTSCHLAND	Email:	matec-gmbh@msn.com
Participants:	M & N PLAN CONSULTING	ITALIA	
	SÜDTIROLER HOTELIER- UND GASTWIRTEVERBAND	ITALIA	
	WALTER PLUNGEN	ITALIA	

HORIZONTAL TASKS - EXHIBITION STANDS IN HORIZONTAL AND SECTORIAL FAIRS

RUE

GEN

Action Nr: SUP-0541-1995-PT

Starting Date: 01-Feb-96

COMPLETED

Aims and objectives

To disseminate and to promote information on Community founded technologies relevant to the different sectors involved in the selected exhibitions

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The fairs and exhibitions selected in the framework of this action were SMAGUA (Zaragoza 03/96), SK'96 (Lisbon April 96), EXPOCLIMA (Lisbon April 96), CERANOR (Porto Sept 96), MATELEC (Madrid October 96), CONSTRUCCION (Sevilla October 96), FIAA (Madrid November 96), AMBIENTE/ENEREN (Porto November 96), COGENERACION (Madrid February 97). CCE and IDAE were in charge of the organisational steps of the stands, and the planned outline per fair and exhibition was, booking of the stand space and size arrangement, collection of information and documentation, design of the stand and contract of services (design company, hostesses, etc.), development of the event, follow-up of the event.

Achieved Results

Through the exhibition stand, to obtain a bigger implementation of innovative energy technologies, facilitating information on successful projects and available and proved technologies. It is expected to increase the number of project proposals submitted to the THERMIE programme. In this case the action has been already completed and the evaluation of the results is in process.

Finance

EU Support: 110.000 ECU

Eligible cost: 121.950 ECU

Contact

Co-ordinator: CENTRO PARA A CONSERVAÇÃO DE ENERGIA
Address: ESTRADA DE ALFRAGIDE, PRACETA 1, ALFRAGIDE
2720 ALFRAGIDE
PORTUGAL

Responsible: JOAO PEDRO DA SILVA RICARDO
Tel: 351 1 4711454
Fax: 351 1 4711316
Email:

Participants: INSTITUTO PARA LA DIVERSIFICACION Y AHORRO DE LA ENERGIA ESPAÑA

ASSIST : ACTIONS TO STIMULATE STRONGER INVOLVEMENT OF SMES IN THERMIE

RUE
GEN

Action Nr: SME-0544-1995-IE

Starting Date: 01-Mar-96

COMPLETED

Aims and objectives

The aim of the proposal is to stimulate, encourage, and facilitate the participation of SMEs in the THERMIE programme, so that they can utilise the full potential of the programme benefits.

Description

A specific network, in collaboration with the main actors in the SME sector having mutual interests in the field of energy technology demonstration, has been convened to study the SME sector in the partner countries, with a view to developing specific promotional actions targeted on SMEs as potential beneficiaries of the programme.

Achieved Results

An assessment of the results achieved will be possible only on the medium term by verifying the participation of SME's from the countries covered by this action.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support: 180.000 ECU

Eligible cost: 180.000 ECU

Contact

Co-ordinator: THE IRISH ENERGY CENTER
Address: GLASNEVIN
DUBLIN 9
IRELAND

Responsible: P. NAGHTEN
Tel: 353 1 837 01 01
Fax: 353 1 837 28 48
Email:

Participants: DANISH TECHNOLOGICAL INSTITUTE, REPRESENTED BY ENERGY CENTRE DEN
ETSU
INSTITUT FOR ENERGITEKNIKK
KFA-BEO

DANMARK
UNITED KINGDOM
NORGE
DEUTSCHLAND

IMPLEMENTATION STUDY FOR THE USE OF NATURAL GAS AS AUTOMATIVE FUEL IN GREECE AND PORTUGAL

RUE
GEN

Action Nr: SME-0549-1995-GR

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

The aim of this study is to contribute to the dissemination of the use of Natural gas as automotive fuel in public and other transport in Greece and Portugal. In particular, the study has investigated the technical and technological aspects, economic consequences and environmental impact of the use of Natural Gas for this purpose.

Description

This action starts with the collection of information (found in the literature and through interviews with relevant officials, institutes. The current state of technology in Europe is then drawn; Data processing highlights the most appropriate technologies, the barriers, the necessary framework and suggestions to overcome the barriers.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Achieved Results

The study report offers a review of the current state of the art regarding the CNG market technologies and policies in Europe and elsewhere, and compares CNG to other fuels, in order to highlight issues which should be taken into consideration for the introduction of CNG in the two countries. The report also provides an overview of the current situation in the transport sectors of Greece and Portugal respectively, raises key issues for the possibility of NG to enter the automotive fuel market of the two countries, and identifies further actions. The main conclusions are the following :

technical feasibility of using CNG for vehicles is well established, although there is room for improvement, particularly as far as storage is concerned, the CNG industry has a good safety record, CNG offers critical environmental advantages compared to conventional fuels and LPG, in most cases economic feasibility is marginal and needs to be strengthened through incentives offered by concerned parties (authorities, NG suppliers), a newcomer to the CNG market can benefit significantly from the experience gained in a number of cases in Europe, the potential for CNG use is significant in Greece and Portugal

The action was particularly useful in informing and assisting officials from the key market actors in the field. Potential users of NG and of relevant technology were assisted in identifying barriers which they will face in their promotion efforts, and government authorities were assisted in drafting their policies for supporting the penetration of NG in the transport sector.

Finance

EU Support: 109.000 ECU

Eligible cost: 129.000 ECU

Contact

Co-ordinator: SYNERGIA
Address: APOLLON TOWER, 64 LOUISE REINCOURT STREET
115 23 ATHENS
ELLAS

Responsible: MR VLONDACIS
Tel: 30 1 64 96 1 85
Fax: 30 1 64 96 186
Email: exergia@compulink.gr

Participants: CEEETA PARTEX CPS
TNO ROAD - VEHICLES RESEARCH INSTITUTE

PORTUGAL
NEDERLAND

SAFETY AND ENVIRONMENT PROTECTION IN OIL LAND PIPELINES AND SEA LINE (LOADING/UNLOADING) TERMINALS

FF

OG

Action Nr: DIS-0550-1995-GR

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

To present in a technical seminar the experience in the field of safety and environment protection in oil handling (from sea tankers on the Sea-Line Terminals and then on the land long distance pipelines). The experience have been presented on one side to the Black Sea Countries and on the other of Europe (Mediterranean), thus facilitating modern technology transfer.

Description

The Seminar consisted of the opening session and five sessions addressing the environmental impact and experiences from existing oil sea line terminals and loading-unloading safety procedures; the safety experiences in pipeline oil transportation; the management of environment friendly new technologies and management of oil transportation projects and the developments in local and regional environment regulations, environment monitoring and control technologies.

The final session offered the opportunity to consider the application of modern technologies to the case-study of the Burgas-Alexandroupolis oil pipeline.

Achieved Results

The insight gained from the seminar should potentially help oil terminal authorities to handle in a more safe and environmentally friendly way the expected increase oil supplies from FSU to Western Europe.

The insight gained from the technical Seminar will potentially help the relevant oil terminal authorities to handle the large amount of oil supply loaded/unloaded in the Black Sea and the Mediterranean Sea in a safer and more environmentally friendly way.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support: 80.000 ECU

Eligible cost: 95.000 ECU

Contact

Co-ordinator: SYNERGIA

Address: APOLLON TOWER, 64 LOUISE REINCOURT STREET
115 23 ATHENS
ELLAS

Participants: PARTEX CPS

Responsible: DIMITRIS ASKOUNIS

Tel: 30 1 64 96 1 85

Fax: 30 1 64 96 186

Email: exergia@compulink.gr

PORTUGAL

INTEGRATED STUDY FOR THE PROMOTION OF ABSORPTION TECHNOLOGY FOR REFRIGERATION

RUE
IN

Action Nr: STR-0557-1995-FR

Starting Date:

COMPLETED

Aims and objectives

Development of a suitable strategy for the promotion of energy-efficient and environmentally sound absorption technologies for refrigeration, air-conditioning and heat pumping, for the improvement of the market penetration of these technologies in Europe and for the support of the European absorption industry.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The study contains an overview of the present situation of Absorption Technology in Europe. Additionally the barriers for the market introduction are described as well as areas for New Promising Applications in Europe.

Achieved Results

Description of the results are recommendations for the promotion of absorption technologies for refrigeration in Europe giving information which areas should be of interest for future R, D & D.

Finance

EU Support: 50.000 ECU

Eligible cost: 55.555 ECU

Contact

Co-ordinator: FIZ KARLSRUHE
Address: POSTFACH 2465
76012 KARLSRUHE
DEUTSCHLAND

Responsible: WERNER BAHM
Tel: 49 7247 808 354
Fax: 49 7247 808 134
Email: wba@fiz-karlsruhe.de

Participants: INTERNATIONAL INSTITUTE OF REFRIGERATION
ISTITUTO DI INGEGNERIA GESTIONALE UNIVERSITA DI PADOVA
KUNGLIGA TEKNISKA HOGSKOLAN

FRANCE
ITALIA
SVERIGE

EXHIBITION STAND AT THE OIL & GAS INDIA EXHIBITION - NEW DELHI, INDIA - 1-4 NOV 1995

FF

OG

Action Nr: SME-0577-1995-DE

Starting Date: 01-May-95

COMPLETED

Aims and objectives

To ensure that European SMEs with technologies of interest to the Indian upstream and downstream oil and gas sector which without financial support could not participate in the exhibition, will be in a position to take advantage of the opportunities that are opening up to compete to meet India's needs and requirements.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

From 1st through 4th November 1995, New Delhi, India, was host to a major international exhibition for oil and gas activities. The OGI '95 (Oil & Gas India, 1995) exhibition took place at the Pragati Maidan International Exhibition Centre, New Delhi. The idea of the event was to offer Indian and international companies an effective and inexpensive way to meet an estimated 20,000 visitors. During the four-day show, purchasers and suppliers of upstream and downstream products and services were present and important contacts to the rapidly expanding Indian offshore and onshore markets were made. The European Commission recognised the importance of the event and decided to have an exhibition stand at the show under the THERMIE Programme.

Achieved Results

By participating in the exhibition, EU companies were in a position to help to improve the efficiency of the Indian oil and gas sector whilst cutting environmental damage and taking advantage of growth in the Indian oil and gas sector. Indeed, three of the companies present, Cool Sorption, Orga and R&S Renewable Energy Systems, presented technologies of direct benefit to the aim of reducing the environmental impact of the production and use of hydrocarbons. Five companies had a stand with their products on display: Cool Sorption A/S, Denmark; IKODA Ltd, UK; ORGA BV, Netherlands; R&S Renewable Energy Systems, Netherlands; H. Rosen Engineering GmbH, Germany. Besides the main goal of the action - to provide a common platform for the five companies - the stand was used as a dissemination point of the know-how available and published under the THERMIE Programme and, in particular, for publications in the field of innovative oil and gas technologies. The exhibition companies distributed their own promotional material. The stand was visited by a large number of people from a wide range of representatives from the EU delegation, other government and embassy representatives, local government officials, local private individuals and foreigners.

The exhibitors established many contacts during the exhibition which apparently are being kept in the longer run. As for further events in India, there was particular demand for a THERMIE stand to be set up at a similar exhibition in Bombay sometime in the near future.

Finance

EU Support: 75.000 ECU

Eligible cost: 75.000 ECU

Contact

Co-ordinator: GOPA-CONSULTANTS
Address: HINDENBURGRING 18
61348 BAD HOMBURG
DEUTSCHLAND

Responsible: MR. SAUTER SERVAES
Tel: 49 6172 9300
Fax: 49 6172 35046
Email: f_sauter-servaes@gopa.de

Participants: ASSOCIATION OF DUTCH SUPPLIERS IN THE OIL AND GAS
INDUSTRY

NEDERLAND

ENTERPRISE TRAINING : DESIGN AND EXEC. OF A TRAINING PROGR. WITHIN THE EXPERIMENTATION AND TRAINING CENTRE IN TENERIFE

RES

GEN

Action Nr: SME-0580-1995-DE

Starting Date:

COMPLETED

Aims and objectives

The aim of this project is to establish a comprehensive training programme for the staff of SME's to be run within the Experimentation & Training (E&T) Centre in Tenerife. The training programme will cover a number of subjects aimed at providing SME personnel with the necessary skills and insight to better exploit the opportunities available in the renewable energy (Re) technology and services market, and provide a forum in which they can learn of the latest technical developments in the field. The E&T Centre has been proposed as a Europe-wide facility which will serve as a centre of excellence in RE technologies, techniques and training.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The specific training programme will concentrate on developing those skills that are particularly crucial for SME's in the RE sector : &) overview of the status of RE technologies, concentrating on PV, wind, solar thermal and biomass issues, 2) state-of-the-art in PV/wind/biomass technologies (participants may opt to attend either only one, or several of these sessions, depending on preferences), 3) design of RE installations, 4) environmental issues of RE technologies, 5) Financial aspects of an RE installation, and 6) follow-up services requirements. The fundamental objective is to better prepare relevant and interested SME's for an assault on the expanding RE market and ensure that market share is not lost to better prepared foreign competitors.

Achieved Results

Each of the two seminars had a duration of 2 days, with one day dedicated to market issues (relevant to the technology in question) and the other to improving the RTD abilities of SMEs. The seminars were scheduled such that it was possible for participants to attend both the photovoltaics and wind energy courses if they wished. A total of 47 participants, drawn from a wide range of SMEs and related bodies throughout Europe, attended the seminars. Each seminar consisted of a series of 30 and 60 minute presentations on topics of relevance to businesses interested in further exploiting the PV or wind energy sectors, presentations by representatives of SMEs who described their experience in the respective markets, moderated panel discussions, demonstration visits to on-site PV and wind energy facilities (for the respective seminars), and a concluding discussion session. In order to gauge the effectiveness of each seminar, a follow-up assessment exercise was organised. The results of this assessment exercise were overwhelmingly positive, with respondents additionally indicating how such a seminar series could be further optimised to tackle the needs of SMEs operating in the renewable energy market.

This action aimed to help SMEs better exploit the opportunities that exist in the renewable energy sector in Europe.

Finance

EU Support:	80.000 ECU	Eligible cost:	115.000 ECU
-------------	------------	----------------	-------------

Contact

Co-ordinator:	WIP-KG RENEWABLE ENERGIES DIVISION	Responsible:	MURRAY CAMERON
Address:	SYLVENSTEINSTR. 2 91369 MUENCHEN DEUTSCHLAND	Tel:	49 89 7201235
		Fax:	49 89 7201291
		Email:	
Participants:	DIRECTOR, PHYSICS LABORATORY, AUAS INSTITUTO TECNOLOGICO Y DE ENERGIAS RENOVABLES	ELLAS ESPAÑA	

LOW-HEAD HYDRO-TASK A. DISSEMINATION OF HYDROSOFT: A SOFTWARE TOOL FOR THE RAPID EVALUATION OF LOW-HEAD HYDRO SITES

RES**HY**

Action Nr: SME-0581-1995-GB

Starting Date:

COMPLETED

Aims and objectives

The proposed task, together with Task B, will disseminate results of the JOULE-2 research project, Technical and Resource Assessment of Low-Head Hydropower in Europe (acronym LOWHEAD) Contract N° JOU2-CT93-0415. The specific objectives of the work programme are to disseminate a software tool for low-head hydropower resource identification and assessment which will :

- enable regional authorities and local utilities to determine regional low-head hydro resources
- assist developers and site-owners to analyse groups of specific sites rapidly and at low-cost to identify the most economically attractive sites.

The underlying aim is to promote greater exploitation of run-of-river low-head hydropower schemes.

Description

The model completed under the Joule project has been developed into an easy-to-use menu-driven software package. The menus allow users with no prior knowledge of Excel to access all input and output options. A handbook has been prepared in English to accompany the software.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Achieved Results

The main result is a software package running under Microsoft Excel, adapted from an existing computer model developed under JOULE-2. The programme enables specialist and non-specialist users to enter basic site data for single hydropower site, or a list of sites in one region, and obtain clear information on the potential of the site for hydropower development. The output results includes the likely economic feasibility of each site depending on the installed power, and the total technical and economic resource (in Gwh/yr) for some or all of the sites in a region. A range of sensitivity analyses can also be applied to key parameters. This action should greatly increase the awareness of the scale and cost-effectiveness of this neglected renewable resource and thereby accelerate its development.

Finance

EU Support: 52.000 ECU

Eligible cost: 63.000 ECU

Contact

Co-ordinator: IT POWER LTD
Address: THE WARREN BRAMSHILL RD.
RG27 OPR EVERSLEY
UNITED KINGDOM

Responsible: PETER RAFTERY
Tel: 44 734 730 073
Fax: 44 734 730 820
Email:

Participants: STROOM LIJN
UNIVERSITAET KARLSRUHE, INSTIT FUER
ELEKTROENERGIESYSTEME UND HO

NEDERLAND
DEUTSCHLAND

LOW-HEAD HYDRO-TASK B. INNOVATIVE TECHNOLOGIES FOR ENHANCING LOW-HEAD HYDROPOWER EXPLOITATION : WORKSHOP AND

RES
HY

Action Nr: SME-0582-1995-GB

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

The proposed task, together with Task A, will disseminate results of the JOULE-2 research project. The specific objective of the task is to organise the structured dissemination of information and expertise on innovative technologies applicable to low-head hydropower, in order to :

- correct false perceptions that low-head hydro is either too expensive or a fully mature technology
- facilitate the widest use of the best available low-head hydro technologies
- accelerate the take-up of demonstrated innovations

Description

Work Programme :

- Prepare a summary of commercial and research innovations (2 pages per product).
- 2-day workshop in London : the aim is to bring together SME's and research bodies for discussions.
- Prepare an Innovations Folder.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Achieved Results

The two main results of the work programme are:

- a folder containing product summaries of innovations applicable to low-head hydropower installations, suitable for widespread distribution to project planners
- a 2-day workshop for manufacturers and developers, including presentations and open discussion of best practice approaches to low-head hydro

This action has increased the awareness of the considerable innovative work being carried out in SME's across the EU, improved the prospects for collaborations, and increased the number of cost-effective low-head projects.

Finance

EU Support: 68.000 ECU

Eligible cost: 80.000 ECU

Contact

Co-ordinator: IT POWER LTD
Address: THE WARREN BRAMSHILL RD.
RG27 OPR EVERSLEY
UNITED KINGDOM

Responsible: PETER RAFTERY
Tel: 44 734 730 073
Fax: 44 734 730 820
Email:

Participants: STROOM LIJN
UNIVERSITAET KARLSRUHE, INSTIT FUER
ELEKTROENERGIESYSTEME UND HO

NEDERLAND
DEUTSCHLAND

Action Nr: SUP-0584-1995-FR

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

To dispatch to social housing builders and managers, solutions considered as models as regards energy efficient electrical equipment.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

This action consists of 2 tasks:

Task 1: Establishment of an evaluation method.

Task 2: Analysis of 10 case studies and production of evaluation reports.

Achieved Results

Dissemination to social building managery in France, Italy and Spain of exemplary case study concerning energy efficient electrical equipment.

Finance

EU Support: 70.000 ECU

Eligible cost: 90.000 ECU

Contact

Co-ordinator: ETUDES TECHNIQUES ET CONSEIL POUR L'HABITAT
Address: AV. DE LA CORSE 97 - LE SAINT GEORGES
13007 MARSEILLE
FRANCE

Responsible: CLAUDE PETERS
Tel: 33 91 13 73 90
Fax: 33 91 13 94 69
Email:

Participants: ASSOCIATION RÉGIONALE DES ORGANISMES HLM PROVENCE FRANCE
ALPES CÔTE D'A
INSTITUT DE TECNOLOGIA DE LA CONSTRUCCIO DE CATALUNYA ESPAÑA
METEC ENGINEERING SRL ITALIA
RÉSEAU DES AGENCES RÉGIONALES DE L'ENERGIE FRANCE

Action Nr: DIS-0585-1995-FR

Starting Date: 01-Jun-95

COMPLETED

Aims and objectives

To convene urban authorities administration Member States etc. in the process of decision making.
 To strengthen a comprehensive approach of the head authorities, regarding the objectives, reduction of pollutions, reduction of energy use development of local potentialities, social and economical cohesion.

 Business-Mission

 Seminar

 Workshop

 Exhibition-stand

Description

Conference called "City and Mobility" in Lille (France) on 14, 15, 16 october 1996. Dispatching of the proceedings.

Conference

 Training

 Exhibition

 Publication

 Audit-assessment

 Study

 Electronic Catalogue

 Other

Achieved Results

The conference gathered 7 speakers and 266 participants from 22 countries. The European Commission presented all the working area related to the sector (energy, environment mobility, industry aspects)
 The debate was enlarged to the need for consistency between clean air and local action plans.

Finance

EU Support: 30.000 ECU

Eligible cost: 122.000 ECU

Contact

Co-ordinator: ALTERIS S.A.

Address: AV. DE LA CRÉATIVITÉ, 3

59650 VILLENEUVE D'ASCQ

FRANCE

Responsible: MYRIAM DUCHENE

Tel: 33 20 67 08 21

Fax: 33 20 91 41 32

Email:

Participants: BCEOM

INSTITUT WALLON / ENERGIUM 2000

FRANCE

BELGIQUE

Action Nr: STR-0587-1995-DK

Starting Date: 01-Jun-96

COMPLETED

Aims and objectives

To identify, analyse and promote technical solutions comprising all aspects of planning, financing and implementation, for optimising urban transport and promoting a rational use of energy in transport.
To disseminate the positive outcomes and draw conclusions of negative experiences.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The section is based on 2 main tastes : organisation of 6 thematic seminars relevant with the following urban transport issues : public transport, commercial traffic, transport demand management, car sharing, cycling, less polluting vehicles. Dissemination of results : newsletter, publication of seminars conclusions.

Achieved Results

The EU Route seminars have helped local authorities to take decisions in relation to the implementation of available energy saving transport technologies. This will have, of course, an impact on the market in the medium term.

Finance

EU Support: 100.000 ECU

Eligible cost: 127.000 ECU

Contact

Co-ordinator: EUROCITIES ASBL
Address: BD. DE WATERLOO 27
1000 BRUSSELS
BELGIQUE

Responsible: ANTHONY VAN DE VEN
Tel: 32 2 511 96 05
Fax: 513 43 22
Email:

Participants: CITY OF BREMEN
CITY OF NOTTINGHAM
CITY OF PALERMO
CITY OF ROTTERDAM - BEATT

DEUTSCHLAND
UNITED KINGDOM
ITALIA
NEDERLAND

ASSISTANCE WITH THE DEVELOPMENT OF A COHERENT FRAMEWORK TO ACCELERATE THE UPTAKE OF RES IN THE EU

RES

GEN

Action Nr: STR-0588-1995-GB

Starting Date: 01-Jun-96

COMPLETED

Aims and objectives

The main objective is the development of a strategy to accelerate the uptake of RES in the EU. As part of this work, a series of meetings will take place in 1996 in order to develop an Implementation Plan for RES. The activities carried out are all within the general programme of work agreed by the parties to the Conference on Renewable Energy Sources, held in Madrid in March 1994, and are complimentary to the work programme of action n° DIS-0100-95-GB.

The aim is to understand more deeply the barriers to RETs deployment, define policy ideas from the perspective of different market actors, and to draw up a coherent Implementation Plan bringing all ideas together.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

In line with action DIS-0100, to realize a set of activities aimed at consulting with market actors. Round-tables have been held with representatives of Regional and Local Authorities, National Institutions, Education-Research Community, as well as two thematic meetings on Tariffs/Financing and Planning/Legislative aspects. Issues of round tables organised under action DIS-0100 and STR-0588 have been presented and further discussed at a Conference "Renewable Energy Sources in the Internal Energy Market" to be held in Milan, 17-19 June 1996.

Achieved Results

Due to budgetary constraints and above all to policy developments in the field during the course of the action, notably the publication of the EC's Green Paper on RES in November 1996, the initial action work programme has been somewhat modified. In particular, the two above thematic meetings were replaced by a peer review of the output of the various round-tables with different categories of market actors, taking also into account the issues raised during different conferences held in 1996-1997 or in important reports on RES, such as those of the European Parliament.

A background discussion document "Towards the development of an Implementation Plan for Renewables in Europe" was prepared for the peer review. This document was subsequently amended and completed and provided a significant contribution in reaction to the EC's Green Paper on RES. Altogether, the above document as well as the associated specific reports of the different round-tables represented an important input in the development of policy activities which have been developed in the EU since the Madrid Conference on RES in March 1994.

Finance

EU Support: 235.000 ECU

Eligible cost: 420.000 ECU

Contact

Co-ordinator: ECOTEC RESEARCH AND CONSULTING
Address: PRIESTLEY HOUSE - 28-34, ALBERT STREET
B4 7UD BIRMINGHAM
UNITED KINGDOM

Responsible: STEVE IMRIE
Tel: 44 21 616 36 00
Fax: 44 21 616 36 99
Email:

Participants: ADEME
BUREAU D'ETUDES PROSPECTIVE TECHNOLOGUE ET ENERGIE
CENTER FOR RENEWABLE ENERGY SOURCES
EUROPEAN FORUM FOR RENEWABLE ENERGY SOURCES
ICAEN

FRANCE
LUXEMBOURG
ELLAS
BELGIQUE
ESPAÑA

STRATEGY FOR A POLICY OF DEVELOP., DEMONSTR. AND DISSEMINATION OF ENERGY EFFICIENT TECHNOLOGIES IN PORTUGAL AND SWEDEN

ALL
GEN

Action Nr: STR-0599-1995-PT

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

The aim of the action was to undertake a study on recommendations on how to co-ordinate the national energy programmes of Sweden and Portugal with the 4th Framework programme in order to optimise their complementarity and how to meet the requirements of the user market in terms of an Energy RTD Strategy. To this end, technology area priorities for the national programmes were expected to be defined.

Description

The project covered analytical phases as well as peer review phases for both countries involved :

- Identification of technology priorities, followed by an assessment of past and current developments of the respective national energy technology and RTD programmes.
- Intermediate results were addressed through workshops to leading energy players of both markets together with national authorities (Stockholm, 16/05/97/ Lisbon, 02/06/97).
- Elaboration of final analysis and recommendations.

Achieved Results

The studies produced underline the importance of having a coherent strategy at the political level. A strong involvement of the national authorities lead to concrete actions such as national programmes to support technology development and fiscal policy benefits (green taxes).

In Portugal the inexistence of strategy leads to contradictory actions that, besides having a defined energy policy, results only on specific measures supporting the community actions. The effort, at the EU programmes level, act as a substitute to the national programmes.

Opposite to Portugal, Sweden as a strong component of National Programmes aimed to support the defined national strategy. The EU Programmes are helpful to complement the existing ones.

Besides the differences, there are some similarities between the countries. Both have a significant potential on RES (mainly on SHP and Biomass) and their is also some complementary on RUE. The existing biomass technologies in Sweden are already disseminated and available in Portugal both for domestic use (house heating) and for industry (paper industry).

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support:	120.000 ECU	Eligible cost:	120.000 ECU
-------------	-------------	----------------	-------------

Contact

Co-ordinator:	CEEETA PARTEX CPS	Responsible:	HENRI BAGUENIER
Address:	RUA GUSTAVO DE MATOS SEQUEIRA 28 - 1° DTO 1200 LISBOA PORTUGAL	Tel:	351 1 395 60 19/20
		Fax:	351 1 395 24 90
		Email:	
Participants:	EKAN GRUPPEN		SVERIGE

STRATEGY TO OVERCOME ENVIRONMENTAL BURDEN OF SMALL HYDRO AND WIND ENERGIES

RES

HY

Action Nr: DIS-0600-1995-PT

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

The aim of this project is to develop a strategy to overcome the environmental burden of small hydro and wind energies namely through the achievement of the following tasks :

Ph. 1: Assessment study of the main environmental constraints related to SHP and wind energies

Ph 2 : Organisation of 1 workshop (with parallel sessions) targeted to main actors in the field to present and discuss the conclusions of phase 1

Ph 3 : Production of two maxi-brochures entitled : « Environmental rules to be followed for SHP and wind plants »

Ph 4 : Production of two videos and two leaflets to improve the public receptivity.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

Assessment study on the environmental constraints

Organisation of 1 workshop (Vitoria-Spain)

Production of information tools : a video tape on environmental aspects of small hydro power plants ("small is green" and a maxibrochure on "Environmental rules to be followed for wind plants".

Achieved Results

The output of this completely integrated strategy consists in a specific study, a workshop, one maxi-brochures and one videotape. These actions should help to :

- overcome one of the main barriers related to environmental impacts,
- reinforce Local Authorities and project designers environmental awareness,
- reinforce public acceptance of SHP and wind plants,
- improve SHP and wind development conditions (with positive impacts on environment and local development),
- raise the quality of site-specific evaluation, including environmental considerations.

Finance

EU Support: 148.000 ECU

Eligible cost: 156.000 ECU

Contact

Co-ordinator: CEEETA PARTEX CPS

Address: RUA GUSTAVO DE MATOS SEQUEIRA 28 - 1° DTO
1200 LISBOA
PORTUGAL

Responsible: HENRI BAGUENIER

Tel: 351 1 395 60 19/20

Fax: 351 1 395 24 90

Email: ceeeta@mail.telepac.pt

Participants: ENTE VASCO DE LA ENERGIA
EUROPEAN SMALL HYDRO ASSOCIATION

ESPAÑA
BELGIQUE

STRATEGY FOR THE PROMOTION OF ENERGY EFFICIENT TECHNOLOGICAL MATCHING WITH ISLANDS AND ULTRA-PERIPHERAL REGIONS SPECIFICITIES

RUE
GEN

Action Nr: DIS-0601-1995-PT

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

To reinforce market penetration of energy efficient technologies in the islands and ultra-peripheral regions, this action aims at:

1. Understanding better Island's specific energy technology needs and define a RES/RUE strategy
2. Promoting RES energy technologies for water desalination which is of particular interest for EU Islands
3. Promoting cogeneration and trigeneration
4. Proposing solutions to reduce impacts of high penetration of RES based power generation on Island finite grid
5. Identifying barriers to valorisation of Biomass in the Islands and propose a strategy to overcome them
6. Studying transport specific problems
7. Defining Demand Side Management Measures for electricity which can assume a relevant role in EU Islands
8. Demonstrating to EU industrialists the important potential market of absorption cycle technologies in the EU

Description

This action consists in two tasks: a market study and workshops. The market study includes the analysis of the institutional framework of the targeted regions, of the specificities and RUE/RES potentials. At that stage, a detailed mapping of all indirect and direct effects on local economy of proposed measures is produced. Finally, a collection of measures is made in order to set up the strategy. A workshop has been held in Tenerife (Canaries Islands), on desalination.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Achieved Results

The study is intended to help define a medium term strategies to promote the following issues :

- Market penetration of appropriate energy efficient technologies
- Global reduction of energy consumption (with positive impact on environment , local development and energy dependency)
- Significant improvement of RES development conditions (id)
- Reinforcement of EU companies competitiveness
- Reinforcement of economic and social cohesion in the European Union following Commission objective.

Finance

EU Support: 120.000 ECU

Eligible cost: 200.000 ECU

Contact

Co-ordinator: CEEETA PARTEX CPS

Address: RUA GUSTAVO DE MATOS SEQUEIRA 28 - 1° DTO
1200 LISBOA
PORTUGAL

Participants: ADEME
AGENCIA REGIONAL DE ENERGIA E AMBIENTE DA MADEIRA
AZORES
COWI CONSULT
EUROPEAN ISLANDS ENERGY & ENVIRONMENTAL NETWORK

Responsible: ANIBAL FERNANDES

Tel: 351 1 395 60 19/20

Fax: 351 1 395 24 90

Email:

FRANCE
PORTUGAL
ESPAÑA
DANMARK
UNITED KINGDOM

COST EFFICIENCY IN A NEW ERA WITH NEW TECHNOLOGY (CENET)

FF

OG

Action Nr: STR-0603-1995-NO

Starting Date: 01-Feb-96

COMPLETED

Aims and objectives

Analyse what role R&D environment can play in the effort towards better cost efficiency of the oil and gas equipment industry.

Analyse what areas of R&D have the largest potential contribution to make better cost efficiency and which new technological developments are most likely to improve the competitiveness of the European service industry in European and International markets.

Description

The report describes the status of the upstream oil & gas related RTD within key producing European countries, and within key actors. As part of the project a technology assessment survey was performed among key oil companies and selected survey companies, and a validation workshop was held. The report analyses and discusses the results from the survey and workshop. As a result, priority recommendations with respect to RTD areas and general RTD policy measures are given.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Achieved Results

- Guidance to governments and Commission when deciding R&D priorities.
- Input to government and Commission on employment and macroeconomic effects of alternative choices.
- Added value of a project like the one proposed is mainly for the service industry. The focus include companies who are already involved, but also companies (mainly SME's) with products that can find a new market in the petroleum sector.
- Reports and results will be made available through established means of dissemination within EU, but also via branch organisations and direct contact with relevant companies.

Finance

EU Support: 300.000 ECU

Eligible cost: 443.000 ECU

Contact

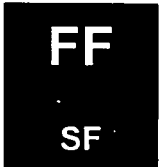
Co-ordinator: RF - ROGALAND RESEARCH
Address: PROFESSOR OLAV HANSENSVEI 15
4004 STAVANGER
NORGE

Responsible: BERGSAGER EGIL
Tel: 47 51 87 50 00
Fax: 47 51 87 52 00
Email:

Participants: CENTRE FOR MARINE AND PETROLEUM TECHNOLOGY
DANMARKS GEOLOGISKE UNDERSOGELSE
INSTITUT FRANÇAIS DU PÉTROLE
INSTITUTE OF DRILLING AND PRODUCTION

UNITED KINGDOM
DANMARK
FRANCE
ÖSTERREICH

PROMOTION OF THE EU ENERGY CENTRE KATOWICE, REGIONAL CENTRE FOR SOLID FUELS CLEAN TECHNOLOGIES



Action Nr: SUP-0604-1995-BE

Starting Date: 01-Mar-96

COMPLETED

Aims and objectives

To give the EC Energy Centre Katowice, sectorial centre for solid fuels, specific tools for the promotion of EU clean coal technologies in C&EE.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

Production of a publication presenting the EC Energy Centre Katowice and some clean coal technologies, to gather information on the solid fuels sector in C&EE and the NIS and to publish a report on the actions implemented by the EC Energy Centre Katowice.

Achieved Results

Meeting between EU industrialists and their C&EE counterparts.

- One joint venture formed between a Polish companies and a consortium of 2 British companies to manufacture boilers in Poland.

- One license agreement has been made between one Polish company and 2 British companies to manufacture boilers in Poland.

Boilers are now manufactured in PL, installed and are working.

Finance

EU Support: 152.000 ECU

Eligible cost: 217.000 ECU

Contact

Co-ordinator: INSTITUT WALLON / ENERGIUM 2000
Address: BD FRÈRE ORBAN, 4
5000 NAMUR
BELGIQUE

Responsible: FRANCIS GHIGNY
Tel: 081 25 04 80
Fax: 081 25 04 90
Email: iwallon@mail.interpac.be

Participants: ETSU
EUROPLAN
OCICARBON
TÜV

UNITED KINGDOM
FRANCE
ESPAÑA
DEUTSCHLAND

INSULATING MATERIALS IN THE BUILDING SECTOR : AN "INTELLIGENT" GUIDE

RUE**BU**

Action Nr: DIS-0610-1995-IT

Starting Date: 01-Apr-96

ONGOING

Aims and objectives

The aim of this action is to produce a guide about insulation materials to promote knowledge and correct usage in terms of energy and interior environmental considerations. In addition it should also encourage better architectural quality and design of insulating materials applied to the building sector.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The action consists of three tasks:

Task 1: Definition of the "state of the art" within the EU and the collection of information.

Task 2: Selection of good materials, relevant innovative technologies, and examples of good case studies.

Task 3: Production, printing and dissemination of the guide.

Expected Results

It is expected that this action will promote knowledge and encourage better usage across Europe.

Finance

EU Support: 95.000 ECU

Eligible cost: 105.000 ECU

Contact

Co-ordinator: ISTITUTO PER L'INNOVAZIONE
Address: VIA Nomentana 133
0061 ROMA
ITALIA

Responsible: PAOLO DE PASCALI
Tel: 396 8845848
Fax: 396 8550250
Email:

Participants: ADEME
EUR. INSULATION MANUFACTURERS ASSOC.
FRIEDEMANN & JOHNSON CONSULTANTS GMBH

FRANCE
BELGIQUE
DEUTSCHLAND

Action Nr: DIS-0612-1995-IT

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

Main aim of the proposal action is to promote the exchange of scientific and technical knowledge concerning applied developed and advanced energy technologies for natural cooling in buildings. This will be achieved by presenting the state of the art in designing as well as the related available equipment.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

This action consists of 4 tasks:

Task 1: Design of the workshops - selection of topics and appropriate speakers.

Task 2: Promotion of the workshops through existing networks, specialised press and targeted mailing.

Task 3: Staging of the events.

Task 4: Follow-up.

Achieved Results

About 100 people attended the workshop in Tunisia : mainly local professionals, representatives of public entities, banks and financial companies as well as representatives of local authorities. In Bari, the 80 participants included building contractors and developers at the event which was hosted by University of Bari. The workshops were structured into an opening session and three main technical sessions. During the follow-up the proceedings were prepared and distributed.

Finance

EU Support: 80.000 ECU

Eligible cost: 90.000 ECU

Contact

Co-ordinator: ICIE
Address: VIA NOMENTANA 133
00161 ROMA
ITALIA

Responsible: PAOLO DE PASCALI
Tel: 39 6 884 58 48
Fax: 39 6 855 02 50
Email:

Participants: AGENCE POUR LA MAITRISE DE L'ENERGIE
IDAE
ISES ITALIAN SECTION OF INTERNATIONAL SOLAR ENERGY SOCIETY

TUNISIE
ESPAÑA
ITALIA

THERMIE SUPPORT TO THAI ENCON PROGRAMME BY TRAINING OF THE DEPARTMENT OF ENERGY DEVELOPMENT AND PROMOTION (DEDP)

ALL
GEN

Action Nr: STR-0620-1995-GB

Starting Date: 01-Mar-96

COMPLETED

Aims and objectives

As a follow-up of the previous study "Cooperation with Third Countries " prepared by DECON in the frame of THERMIE, this action , proposed to open up the market for European RUE Technologies and know-how transfer through the provision of training on the advanced energy efficient technologies.

The aim of the activity was to enhance the impact of the Thai Energy Conservation Programme (ENCON) with a European energy technology input. The conservation programme covers energy conservation measures targeted to large building stocks and industrial sites. Specifically, a comprehensive training programme was designed to enable local consultants and qualified energy experts for future technology assignment and monitoring tasks.

Description

The project consisted of 2 phases:

Phase 1: Adaption of existing training material being prepared for the ENCON programme which is compulsory for "designated facilities", industry plants and buildings having an electricity demand of 1 MW or higher.

Phase 2: Implementation of a training course as a "test-run".

In technical terms, the project covered firstly a screening of appropriate technologies which lead to a focus on waste heat recovery technologies and energy management systems for large buildings stocks. Three interactive workshops were conducted in three sites (target of 15 participants each) of Thailand presenting detailed technical handbooks and EU case studies. The action resulted into a succesful design and implementation of the training programmes which offer at hand information on valid EU technologies. Promising on-the-job know-how transfer has been achieved with the local partner KMIT Thailand.

Achieved Results

The Tai ENCON Programme, introducing compulsory energy conservation measures in buildings and industrial sites and equipped with an Energy Conservation Fund, raised substantial needs for Thai decision makers for efficient energy conservation technologies.

This pilot project was appreciated as being timely and topical implemented. The main objective, to introduce and demonstrate relevant EU energy efficiency technologies, has been achieved through three workshops held in three regions of Thailand directed at a mixed audience of consultants, energy experts and energy engineers. An effective training model has been developed and implemented offering at-hand-information on best suitable European technologies. A follow-up project enhancing the co-operation is ongoing under DIS/1188/97/UK.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support:	80.000 ECU	Eligible cost:	80.000 ECU
-------------	------------	----------------	------------

Contact

Co-ordinator: ENCONET INTERNATIONAL LTD
Address: 167 SOUTHFIELD RD
W4 5LB LONDON
UNITED KINGDOM

Responsible: Z. MORVAY
Tel: 44 81 742 7397
Fax: 44 81 742 7871
Email:

Participants: DECON

DEUTSCHLAND

RENEWABLE ENERGY : A BUSINESS FIELD FOR REGIONAL AND LOCAL ENERGY SERVICE COMPANIES



Action Nr: STR-0621-1995-DE

Starting Date: 01-Aug-96

COMPLETED

Aims and objectives

Energy service companies extended their field of activity « energy supply » by an additional field of services which includes

- * Consulting Services for customers regarding rational energy use,
- * Promotion of the utilisation of renewable energy technologies (RET),
- * Utilisation of efficient energy supply systems,
- * Co-operation in the solution of communal and regional problems.

A number of energy service companies in Germany and Austria have profound experience in the field of renewable energy technologies. This experience has been discussed in a two-day workshop with 22 experts from involved institutions from the EU countries Austria and Germany and the CEE countries Czech Republic, Hungary, Poland, Slovak Republic

Description

The project comprises two phases.

Phase 1: Preparation of the workshop.

- * DECON, TEMAPLAN and SOLID developed the programme of the workshop.
- * DECON and TEMAPLAN arranged the preparation of contributions for the workshop. The papers have been presented by representatives from energy service companies having a broad experience in the utilisation of RET.
- * DECON and TEMAPLAN organised the participation of experts: the participants were chosen from organisations and companies which are already involved in the utilisation of RET or which could be potential target groups.

Phase 2: Execution of the workshop and submission of the results.

- * Execution of the workshop in the "Gemeinnütziges Solarenergie Informations- und Beratungszentrum in Fürth/Germany (responsible SOLID).
- * Summarising the workshop results (responsible DECON).
- * Submission of the final report on the project to the EC (responsible DECON).

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Achieved Results

- * Participants established contacts (addresses available for each participant).
- * Proposal to DG XVII to carry out a follow-up workshop "Privatisation of energy supply companies in CEE countries and the implementation of RET in their business field - experience of shareholder from EU countries."

Finance

EU Support: 44.000 ECU

Eligible cost: 49.075 ECU

Contact

Co-ordinator: DECON
 Address: NORSK-DATA-STR 1
 61352 BAD HOMBURG
 DEUTSCHLAND

Responsible: G. GEVISCH
 Tel: 49 06172 9460
 Fax: 49 06172 9460 20
 Email:

Participants: SOLARENERGIE INFORMATIONS -UND DEMONSTRATIONSZENTRUM DEUTSCHLAND
 TEMAPLAN GESELLSCHAFT MBH ÖSTERREICH

INTERACTIVE PROMOTION OF ENERGY TECHNOLOGIES BETWEEN FINLAND AND OTHER EU-COUNTRIES AND TO ESTONIA.

RUE
GEN

Action Nr: STR-0622-1995-FI

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

The aims of this action are:

- to increase the knowledge of the THERMIE Programme in Finland and Estonia and familiarize in particular the Finnish SME's with the JOULE-THERMIE Programme
- to produce a general view of the situation in Finland in the field of Finnish energy technology and technology supply
- to form information-link between the Finnish suppliers of technology and services and the OPET network
- to stimulate the penetration of energy technologies to the Estonian market.

Description

The first step in this action is to review the achievements of the THERMIE Programme and to transfer information of its best applicable results to the Finnish market. The project gathered the core of THERMIE RUE technology information to Finland. The collected data is put into a publication for enterprises and other energy users in Finland.

The project included the screening and the selection of Thermie type Finnish energy technologies. The resulting information was printed into a publication targeted to MS and Estonia. The dissemination uses the existing networks and commercial representatives of Finland in the MS

Achieved Results

They are the following :

- Finland : better awareness of the achievements of the THERMIE Programme so that Finnish supply and demand side energy actors can consider wider range of alternatives when deciding of energy investments
- The EU : better awareness of the Finnish energy markets and the status of available Finnish energy technologies through dissemination permanent channels of promotion to and from Finland will ensure good synergy between EU & Finland
- Estonia : better awareness of clean and efficient energy technologies, management, monitoring, adding.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support:	55.000 ECU	Eligible cost:	55.000 ECU
-------------	------------	----------------	------------

Contact

Co-ordinator: FINNTECH FINNISH TECHNOLOGY LTD
Address: TEKNIJKANTIE 12 - PO BOX 462
02161 ESPOO
SUOMI

Responsible: SEPPO SILVONEN
Tel: 358 0 456 60 91
Fax: 358 0 456 70 08
Email:

Participants: EKONO BUILDING ENGINEERING LTD.E.
EKONO ENERGY LTD
FRIEDEMANN & JOHNSON CONSULTANTS GMBH

SUOMI
SUOMI
DEUTSCHLAND

DISSEMINATION OF THERMIE AND COORDINATION OF OTHER EU ENERGY ACTIONS IN FINLAND AND IN THE EU MEMBER STATES.

ALL
GEN

Action Nr: STR-0623-1995-FI

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

To disseminate the THERMIE actions and to coordinate other EU Energy actions in Finland and to some extent in the Baltic countries and the North-West Russia

To learn about experiences about the other EU members States in this sense

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The project consists of the following tasks:

Task 1: Preparing the guidebook of the EU energy programmes in Finnish.

Task 2: Keeping contacts with Finnish industry and professional associations.

Task 3: Giving advise to Finnish companies, in particular SMEs in THERMIE actions.

Task 4: Initiating a strategy for promotion of European energy technology for Finland.

Achieved Results

As expected; the action has resulted in the production of an (informal) working plan which is used for the dissemination of the results of European energy projects in Finland.

Finance

EU Support: 55.000 ECU

Eligible cost: 55.000 ECU

Contact

Co-ordinator: VTT ENERGY
Address: KOJVURANNANTIE 1 PO BOX 1603
40101 JYVASKYLA
SUOMI

Responsible: MIKKO KARA
Tel: 358 41 672 611
Fax:
Email:

Participants: ETSU
FINNISH TECHNOLOGYDATA LTD

UNITED KINGDOM
SUOMI

Action Nr: SME-0635-1995-DE

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

The action "Tools for the Dissemination and Realisation of Rational Use of Energy in Small and Medium sized Enterprises" aims at the efficient dissemination of knowledge about branch-specified energy saving measures in two branches (Hotels, Food Retail) in France, Germany, Austria and Spain. The objective of the project is on the one hand to analyse barriers against RUE and, out of that, to develop and to apply appropriate tools to disseminate worked-out energy saving measures for the period of the project. On the other hand, the project's use is to implement and to test those tools in the branches in a way that, at the end of the project, professional federations, or similar associations, will be able to ensure the future use of the tools.

The close involvement of industrial associations and federations in the development and the application of the tools in the branches through the accompanying concertation teams ensures the link of the action to industry.

Description

The action was split into two phases :

Phase 1 was to identify the barriers sector-specific and country-specific. For Phase 2 tools were selected that are qualified to overcome those barriers in both sectors and in all countries.

Analysing the most important barriers for the output was as following :

- a lack of technical information
- the lack of knowledge about the specific energy consumption and cost to enable a sector-specific comparison ("Bench-Martig")
- financial problems.

The tools selected to overcome this barriers have been in the Hotel sector :

- Energy analysis and Motivation Software for German Hotel.
- Financial Brochure for French Hotels
- A Walkdown Manual for Austria
- A training Course for Spanish Hotels.

In the Food retail-sector similar tools have been developed. As a consequence for the future it is said to be necessary to develop holistic approaches providing a number of dissemination tools (training via "Benchmarking" (etc.) in a favourable general context.

Achieved Results

The strenghting of the competitiveness of small and medium sized and medium sized supermarkets and hotels through support, reduction of their energy cost.

- supporting of the demand for energy efficient devices (cooling; lighting, ...)
- supporting of the demand for energy audits.
- the assessment of impacts of the tools developed on concrete investment projects in innovative energy technologies is objective of the last evaluation phase of the project.
- the impacts on reduction of energy consumption through avoiding misuse of plants and devices (eg. cooling devices, lighting using hours) .

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support:	120.000 ECU	Eligible cost:	280.000 ECU
-------------	-------------	----------------	-------------

Contact

Co-ordinator:	INSTITUTE FOR ENERGY ECONOMICS AND THE RATIONAL USE OF ENERGY	Responsible:	HERMES HANS - DIETER
Address:	UNIVERSITY OF STUTTGART HESSBRUELSTR. 49A 70565 STUTTGART DEUTSCHLAND	Tel:	49 711 780 6145
Participants:	ADEME ICAEN OSTERREICHISCHES FORSCHUNGS-ZENTRUM SEIBERSDORF	Fax:	49 711 780 3953
		Email:	hermes@ier.uni-stuttgart.de
			FRANCE ESPAÑA ÖSTERREICH

URBAN TECHNOLOGIES EUROPEAN FORUM TASK 1 : IDENTIFICATION AND ANALYZE OF THE ART OF URBAN TECHNOLOGIES

RUE
GEN

Action Nr: STR-0636-1995-ES

Starting Date: 01-Mar-96

COMPLETED

Aims and objectives

The preparation of the Urban Technologies European Forum through identifying the growing urban technologies of the last years.

To prepare documents with information on main energy urban sectors and about the state of the art of each urban technologies.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The principal energy aspects which affect the urban sector, especially those which concern the application of energy efficient technologies in buildings, public lighting, transport and management and organisation systems will be determined in this phase.

The urban technologies which have to be studied, must have a connection between the influence energy consumption has on the municipal services and its inhabitants.

The preparation of the documents that would be discussed during the forum will be provided by a study related with the urban technologies identified.

Achieved Results

The results of this action will be the production of the main documents to be discussed during the European Urban Forum. It will consist of a comprehensive set of documents, with the analysis of the main points referring to each energy municipal sector to be integrated in the global strategy.

Finance

EU Support: 110.000 ECU

Eligible cost: 300.000 ECU

Contact

Co-ordinator: ICAEN
Address: AVGDA DIAGONAL, 493BIS, ÀTIC
08036 BARCELONA
ESPAÑA

Responsible: JOAN JOSEP ESCOBAR
Tel: +34 3 439 2800
Fax: +34 3 419 7253
Email: edificis@icaen.es

Participants: ENERGIE-CITES
EUROPEAN FEDERATION OF REGIONAL ENERGY &
ENVIRONMENTAL AGENCIES
FUNDACIO PRIVADA INSTITUT ILDEFONS CERDAS

FRANCE
BELGIQUE
ESPAÑA

URBAN TECHNOLOGIES EUROPEAN FORUM TASK 2 : ORGANISATION OF THE EUROPEAN FORUM ABOUT URBAN TECHNOLOGIES

RUE
GEN

Action Nr: STR-0637-1995-ES

Starting Date: 01-Dec-96

ONGOING

Aims and objectives

To promote and develop regional and urban activity and programmes in energy efficiency through a conference forum, to improve the sensibilisation of local authorities for the energy management as a main aspect to be integrated in this urban policy and to ensure a wide dissemination of demonstrated urban technologies and his integration

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The forum is a multi sectorial meeting of experts and representatives from the different organisations involved in the urban technologies and city strategies.

The object of the forum is to analyse the state of the art of the energy efficiency in urban areas, mainly in two sectors: the public and the service sector.

The organisaion presented the documents prepared by the experts in the project "Identification and analysis of the state of the art of urban technologies": these documents have been the basic elements to study the main urban energy aspects and the topics of the forum.

Achieved Results

Several topics have been pointed out such as : the new challenges they have to face (economic, social and environmental sustainability); the European citizens feel that their cities need substantial changes in order to improve the quality of their inhabitants. Therefore the management of the cities requires a broad interaction of the urban actors, a common knowledge of the facts and a shared comprehension of the issues and mechanisms and calls for innovation.

Finance

EU Support:	60.000 ECU	Eligible cost:	160.000 ECU
-------------	------------	----------------	-------------

Contact

Co-ordinator: ICAEN
Address: AVGDA DIAGONAL, 493BIS, ÀTIC
08036 BARCELONA
ESPAÑA

Responsible: JOAN JOSEP ESCOBAR
Tel: +34 3 439 2800
Fax: +34 3 419 7253
Email: edificis@icaen.es

Participants: ENERGIE-CITES
EUROPEAN FEDERATION OF REGIONAL ENERGY &
ENVIRONMENTAL AGENCIES
FUNDACIO PRIVADA INSTITUT ILDEFONS CERDAS

FRANCE
BELGIQUE
ESPAÑA

Action Nr: STR-0640-1995-FR

Starting Date:

COMPLETED

Aims and objectives

The proposed study has three main objectives:

1. To clearly assess the potential of hydrocarbon reserves and production in the North Sea, with or without the implementation of innovative technologies.
2. To translate the above production estimates and cost profile scenarios into impact upon the economy of the EU, its countries and regions.
3. To give to the EU Commission to the governments of the Member States and to the Oil and Gas industry as a whole an objective perception of the potential contribution of the North Sea through aggressive technological innovation.

 Business-Mission

 Seminar

 Workshop

 Exhibition-stand

 Conference

 Training

 Exhibition

 Publication

 Audit-assessment

Study

 Electronic Catalogue

 Other

Description

- a. An integrated assessment of the North Sea recoverable and undiscovered reserves.
- b. Production and related expenses forecasts, with or without the implementation of new technologies.
- c. Translation of the above forecasts in terms of revenues, investment and employment.
- d. Provision of a common basis permitting the build up of co-ordinated TRD programmes and assistance in consolidating European energy strategy in the sector.
- e. Build up and implementation of such key tools, as data bases and economic models.

Achieved Results

The potential is assessed in 3 scenarios as well as economical estimations on EU-scale. Presented in a 200 pages report.

Finance

EU Support: 150.000 ECU

Eligible cost: 200.000 ECU

Contact

Co-ordinator: INSTITUT FRANÇAIS DU PÉTROLE
 Address: 1-4 AVENUE DU BOIS-PREAU
 92506 RUEIL MALMAISON
 FRANCE

Responsible: TROUVÉ OLIVIER
 Tel: 33 1 47 52 69 19
 Fax: 33 1 47 52 72 20
 Email:

Participants: DANMARKS GEOLOGISKE UNDERSOGELSE
 ENIRICERCHE SPA
 RF - ROGALAND RESEARCH
 THE PETROLEUM SCIENCE AND TECHNOLOGY INSTITUTE

DANMARK
 ITALIA
 NORGE
 UNITED KINGDOM

SEMINAR AND EXHIBITION IN OIL AND GAS TECHNOLOGY IN ROMANIA

FF

OG

Action Nr: SME-0649-1995-PT

Starting Date: 01-Oct-95

COMPLETED

Aims and objectives

The objective of the proposed task is to disseminate the latest EU hydrocarbon technologies in Romania, through PETROM (main oil and gas exploration and production) and its Institute for Research and Technology (ICPT). To achieve this goal, a seminar and an exhibition is envisaged to be organised in Romania, followed by a programme of visits of Romania oil and gas staff to EU companies (oil and gas equipment manufacturers and services companies).

Description

The task was organised in three phases: Phase one involved the organisation of the Seminar programme. The aim was to show to the participants the main characteristics of a sample of oil and gas EU technologies selected previously. Duration of the Seminar was for 2 days. The subject of which was efficient field management in the upstream sector, field modelling developments and recovery mechanisms. In order to improve the dissemination of energy technologies - objective of the task - an exhibition was organised, phase two, as a visual complement of the Seminar. Exhibition was opened during the Seminar realisation and was closed two days later. Phase three comprised the development of links between local Romanian staff and EU companies, to that end it was organised a visit to EU countries and follow-up programmes for the establishment of contacts between the parties.

Achieved Results

A number of participants contacted the organisers to deepen their knowledge about the subjects dealt with during the Seminar, furthermore PARTEX and PETROM prepared the selection of a block for the 1996 exploration bid round in Egypt followed by the joint bid for block D in Egypt, which included reserves and development schemes, economic scenarios and an exploration work programme.

Field rehabilitation project in Romania (preliminary joint selection and data collection of nine fields suitable for field rehabilitation; technical and economical pre-screening and selection of two fields for rehabilitation; preparation of the data gathering for the two selected fields).

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support:	66.648 ECU	Eligible cost:	0 ECU
-------------	------------	----------------	-------

Contact

Co-ordinator:	PARTEX CPS	Responsible:	CARLOS A.H. CARDOSO
Address:	AV. DE OUTUBRO 160 1050 LISBOA PORTUGAL	Tel:	351 1 793 20 44
		Fax:	351 1 797 95 16
		Email:	partex.ae.afp@mail.telepac.pt
Participants:	CENTRE FOR MARINE AND PETROLEUM TECHNOLOGY		UNITED KINGDOM

Action Nr: DIS-0650-1995-PT

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

1. To disseminate, through a workshop, EU Hydrocarbon technologies dealing with geological reservoir modelling and to further promote them through a training programme, originating from a case study identified during the above workshop.
2. To identify in the RUE sector, the most favourable options for the promotion of energy efficiency and the use of indigenous energy resources in Philippines utilising EU technology.

 Business-Mission

 Seminar

 Workshop

 Exhibition-stand

 Conference

 Training

 Exhibition

 Publication

 Audit-assessment

 Study

 Electronic Catalogue

 Other

Description

The work programme comprised three phases:

1. Organisation of the workshop on maximisation of hydrocarbons recovery.
2. Realisation of a training action in the area of hydrocarbons.
3. Assessment of the local market conditions, in conjunction with Philippine public departments, for the definition of the sectors where a transfer of European technologies would be more favourable for the promotion of endogenous reservoirs.

Achieved Results

Business contacts have been established with the Philippines National Oil Company and the Philippines energy authorities - Department of Energy - for the realization of a Global Development Plan of the Gas Sector, aiming at the introduction of Natural Gas in the Philippines. To that end, Philippine authorities pledged to request technical assistance from European Union companies.

Within the scope of the Global Development Plan of the Gas Sector two kinds of projects will be developed. As an immediate result the action will lead to Partex-CPS carrying out the necessary studies for Gas Development studies, and later on, on a second phase, projects arising from the study-phase will be implemented.

Finance

EU Support:

80.000 ECU

Eligible cost:

80.000 ECU

Contact

Co-ordinator: PARTEX CPS

 Address: AV. 5 DE OUTUBRO 160
 1050 LISBOA
 PORTUGAL

Participants: ENTE VASCO DE LA ENERGIA

Responsible: CARLOS A.H. CARDOSO

Tel: 351 1 793 20 44

Fax: 351 1 797 95 16

Email: partex.ae.afp@mail.telepac.pt

ESPAÑA

Action Nr: DIS-0651-1995-PT

Starting Date: 01-Apr-96

ONGOING

Aims and objectives

The aim of the proposal is to address in a through and integrated manner the importance of introduction of measures in oil and gas industrial practices in order to cope with actual environmental requirements.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The methodology to be used for the organisation and management of the seminar will include contacts with collaborating OPETs and oil and gas companies, the preparation of the seminar programme, together with the collaborating OPETs and oil and gas companies, the preparation of documentation - including the editing of the work programme for publication as well as documents and transparencies to be presented during the sessions and distributed to the participants -, local arrangements - including the choice of the venue, travel and hotel accommodation, etc.-, invitation of representatives of companies and organisations of the environment sector, consultants; equipment manufacturers, contractors; etc., to be present at the seminar and the issuance of a report addressing the action results as well as referring to the concern shown by the participants and the local authorities involved in this area.

Achieved Results

Identification of technological improvements to be implemented in E&P equipments in order to cope with the new environmental requirements.

The introduction of new technologies in the equipment related with E&P (as a future requirement of this industry) will require investments in the modernisation of the existing manufacturing plants.

Finance

EU Support: 70.000 ECU Eligible cost: 70.000 ECU

Contact

Co-ordinator: PARTEX CPS
Address: AV. 5 DE OUTUBRO 160
1050 LISBOA
PORTUGAL

Responsible: CARLOS A.H. CARDOSO
Tel: 351 1 793 20 44
Fax: 351 1 797 95 16
Email: partex.ae.afp@mail.telepac.pt

Participants: CENTRE FOR MARINE AND PETROLEUM TECHNOLOGY UNITED KINGDOM

STRATEGY FOR RURAL ELECTRIFICATION IN PROTECTED AREAS IN THE STATE OF PARA (AMAZONIA, BRAZIL)

RES
GEN

Action Nr: DIS-0655-1995-PT

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

This action is aimed at covering the demand for energy efficient technologies in the RES sector for electricity generation on a very efficient way. The specific objectives are to:

- promote adequate and innovative solutions in terms of wind, PV and biomass for electrification.
- increase market penetration of European technologies,
- create opportunities for direct sales, commercial agreements and joint ventures between EU and Brazil companies with positive impact on business trade,
- reduce air emissions in an environmental sensitive area.

Description

The action comprises :

- a market study on rural electrification in protected areas in State of Para (Amazonia, Brazil) to assess the most adequate technologies in the RES field in the Amazonia rain forest.
- a feasibility study in two villages located in the natural park of Serra das Andorinhas (Para State) aimed at demonstrating that rural electrification based on RES is perfectly adequate to the specific context of Amazonia natural parks.

SECTAM (Brazilian Secretary of State for S&T and Environment) collaborated in this project.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Achieved Results

Create opportunities for direct sales, commercial agreements and joint ventures between EU and Brazil companies, including positive impact on business trade, and increase market penetration of European energy efficient technologies and consequent strengthening of the industrial competitiveness.

The findings of the study have been disseminated in key states -Para, Ampas and Maranhao. The Brazilian government intends to implement protected areas which obviously will introduce advanced RES technology options.

The possibility of having a study target to protected areas as the one conducted will certainly influence the local authorities and contribute to reinforce the possibilities of introducing innovative RETs solutions preceded by the development of pilot projects.

Coop. actions between EU states and Amapa State are starting and good possibilities of implementing new investment projects are being discussed. Contacts established with PPG7 managers revealed that European joint project using European efficient Technologies will have the major support.

Finance

EU Support: 84.000 ECU

Eligible cost: 84.000 ECU

Contact

Co-ordinator: CEEETA PARTEX CPS
Address: RUA GUSTAVO DE MATOS SEQUEIRA 28 - 1° DTO
1200 LISBOA
PORTUGAL

Responsible: MARIA CARVALHO
Tel: 351 1 395 60 19/20
Fax: 351 1 395 24 90
Email:

Participants: ICAEN ESPAÑA
SECRETARIAT DE CIENCIA, TECNOLOGIA E MEIO-AMBIENTE, PARA BRESIL

Action Nr: SME-0658-1995-FR

Starting Date: 01-Apr-96

ONGOING

Aims and objectives

- 1) Western Siberia Oil and Gas Directory
Provide the E.U. oil and gas related industry with an updated information tool on the Western Siberia oil & gas industry.
- 2) Assissment study for the development and implementation of a database of the E.U. oil and gas related industry.
- 3) Meeting between E.U. and Russian companies (28/04)

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

- 1) Updating of the local and regional mailing list - Release of a second edition.
- 2) Define a structure for a database concerning the EU oil & gas related industrialists. After completion, this database would be dispatched to the Russian oil & gas companies to help them find the suppliers that are in a position to answer to their problems.
- 3) Enhancing of EU & Russian industrialists relationship.

Achieved Results

A Euro-Russian Association in the Oil & Gas sector were created.

Finance

EU Support: 60.000 ECU Eligible cost: 60.000 ECU

Contact

Co-ordinator: GROUPEMENT DES ENTREPRISES PARAPÉTROLIÈRES
Address: 1, RUE LOUIS BLANC , LA DÉFENSE
92038 PARIS LA DEFENSE
FRANCE

Responsible: M NINGLER
Tel: 33 1 47 17 68 65
Fax: 33 1 47 17 67 47
Email: gep@gep-france.com

Participants: ASSOCIATION OF DUTCH SUPPLIERS IN THE OIL AND GAS
INDUSTRY

NEDERLAND

EXPLORATORY STUDY OF THE MARKET PLACE FOR ELECT. GEN. FROM BIOMASS IN N. IRELAND

RES**BM**

Action Nr: SME-0670-1995-GB

Starting Date: 01-Jan-97

COMPLETED

Aims and objectives

To carry out an exploratory study for the definition of a THERMIE type A and N. Ireland NFFO proposal. The proposers wish to expand to the BM sector (already have experience in Wind Energy) and examine the economic & technical viability of a 5MWe demonstration project taking into consideration biomass availability & identification of the most interesting location. The proposers has collaborated with Volund and Hedeselskabet of Denmark for the supply of a biomass gasification plant.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The project focuses on the generation of electricity from wood fuel in particular Short Rotation Coppice Willow (SRC) and forest residues. A 5MWe generating capacity would require approximately 25,000 odt/yr of fuel. The initial phase examines existing and potential woodfuel resources and costs for SRC and forest residues. The second phase defines storage and conversion equipment required and identifies an appropriate site. The final phase will develop the financial analysis, technical and economic implications of a demonstration project.

Achieved Results

The results of this study indicate that in N.Ireland and the Republic of Ireland any significant energy crop development will need to take place on grass land due to the very small and dispersed amounts of set aside. Levels of subsidies to existing land uses e.g. beef and sheep are high such that if a farmer were to convert his land into energy crops payments of £66/odt and £72/odt (chipped and delivered) in N. Ireland and the Republic of Ireland respectively would be required. The production of energy crops on any significant scale will not develop in the study area until either subsidies to existing agricultural enterprises are reduced or until energy crops are supported on an equal basis.

Finance

EU Support: 40.000 ECU

Eligible cost: 60.000 ECU

Contact

Co-ordinator: B9 ENERGY BIOMASS LTD
Address: POINT STREET 19
BT40 1HY LARNE
UNITED KINGDOM

Responsible: DEBRA JENKINS
Tel: 01574 260297
Fax: 01574 260436
Email:

Participants: SCAN ENERGY & ENVIRONMENTAL SERVICES LTD

IRELAND

A STRATEGY FOR THE PROMOTION OF THIRD PARTY FINANCING AND THE CREATION OF ENERGY SERVICE COMPANIES IN SLOVAKIA

ALL
GEN

Action Nr: DIS-0699-1995-AT

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

The action aims at developing a strategy to implement the principle of TPF through the establishment of ESCOS in Slovakia. TPF and ESCOS could be an important measure for financing projects and increase energy intensity which would bring improvement of environment and economy. An increased number of RES and RUE projects have also introduced EU technologies into the developing Slovak market and will contribute to EU industrial competitiveness.

Description

In a first step a study was done to find out the potential for Third Party Financing and the establishment of Energy Service Companies in Slovakia. Detailed research was done about the characteristics of the market for RUE and RES projects in Slovakia, about financial sources, legal conditions for such kinds of projects and the barriers for the implementation of TPF in Slovakia. Based on this market assessment, a strategy for the implementation of an ESCO in Slovakia was developed. From the beginning close co-operation was sought to all relevant market actors and intensive consultation meetings were held to identify potential projects. In a first step, it was decided to concentrate on the school and hospital sector.

Achieved Results

The identified TPF projects provide an opportunity for EU companies to export their energy saving technologies to the Slovak market and to get further information about the needs of this market.

This project has led to concrete investments in RUE and RES projects and help to increase the number of RUE and RES projects as well as the size of the market for EU energy equipment and technology producers.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support:	160.000 ECU	Eligible cost:	160.000 ECU
-------------	-------------	----------------	-------------

Contact

Co-ordinator:	O.Ö. ENERGIESPARVERBAND	Responsible:	CHRISTIANE EGGER
Address:	LANDSTRASSE 45	Tel:	43 732 6584-4380
	4020 LINZ	Fax:	45 732 6584 4383
	ÖSTERREICH	Email:	esv1@esv.or.at
Participants:	ECOTEC RESEARCH AND CONSULTING		UNITED KINGDOM
	JUDR. STEFAN DEDAK		SLOVAK REPUBLIC
	SLOVAK ENERGY INSPECTION - ENERGY AGENCY		SLOVAK REPUBLIC

STRATEGY FOR MARKET PENETRATION OF BIOCLIMATIC, WIND AND SOLAR TECHNOLOGY IN PALESTINE (JERICHO, GAZA STRIP AND WEST)

RUE
RES
BU

Action Nr: DIS-0700-1995-FR

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

Several market studies, notably supported by the European Commission, showed strong requirements in Palestine infrastructure related to rural electrification and bioclimatic architecture. Palestine could use renewable energy sources to, at the same time, electrify rural areas (a social and political priority), develop in an efficient way (economic prerequisite) and preserve the environment. However, the lack of practice and information, in technical, industrial or administrative terms, prevents from the creation of a market for renewable energy technologies in Palestine.

Therefore, the objective of the present project was to gather this information in order to contribute to the elaboration of a strategy for market penetration of bioclimatic, wind and solar technologies in Palestine.

Description

Two actions were undertaken in the framework of this project :

- a comprehensive feasibility study on rural electrification identifying the specificity of rural areas, the specific types of technologies applicable to the Palestinian conditions, the requirements for the introduction of these technologies, both technical, financial and institutional aspects and the potentialities for the European technologies and expertise in Palestine.
- a workshop aiming at demonstrating the potentialities of European Bioclimatic technologies in Palestine (Jericho, 15.03.1997)

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Achieved Results

The feasibility study on rural electrification in Palestine elaborated on the following issues:

- current energy and particularly electricity situation in Palestine,
- current Palestinian legal and institutional framework,
- electrification needs and the means to satisfy them by an extension of the grid or through decentralised rural electrification,
- the potential for renewable energy sources, the main suitable applications for the Palestinian context and the impacts for rural electrification.

The workshop was attended by seventy participants from all relevant Palestinian Governmental and private sectors and has made recommendations, which will actually introduce the energy conservation regulations into the housing code and introduce the bioclimatic concept and technology in practice.

Following the various THERMIE projects implemented in Palestine, several European Union industrial operators were informed of the results of these projects as well as participated to the workshops organised. Discussions were started between European and local companies in the field of renewable energy development and utilisation.

A series of companies have already signed agreements with Palestinian partners in the field of solar water heaters and greenhouse heating systems and space heating systems.

Finance

EU Support: 73.000 ECU

Eligible cost: 86.600 ECU

Contact

Co-ordinator: INTERNATIONAL CONSULTING ON ENERGY
Address: RUE DE PROVENCE 46
75 009 PARIS
FRANCE

Responsible: BERNARD LAPONCHE
Tel: 33 1 48 74 59 73
Fax: 33 1 42 81 39 58
Email:

Participants: CEEETA PARTEX CPS
NATIONAL AGENCY FOR NEW TECHNOLOGY, ENERGY AND THE ENVIRONMENT

PORTUGAL
ITALIA

EUROPEAN/LATIN AMERICAN SEMINAR : "USE OF ENERGY FROM MUNICIPAL SOLID WASTE".

RES**BM**

Action Nr: DIS-0701-1995-ES

Starting Date: 01-Mar-96

COMPLETED

Aims and objectives

This action aims to show various European energy technologies for obtaining energy from solid urban waste to a forum of representatives, authorities and leads of energy departments from Latin American medium and large municipalities. The action have had the collaboration of OLADE, whose input are to be supported under the INCO programme in a separate contract. The problem of obtaining energy from solid urban waste arises in many Latin American cities. The energy potential of this waste is high but no solutions to the problem of how to use it has so far been found by the authorities in place. Moreover the environment impact of refuse dumps is also very high.

Description

This action consisted in the organisation of a seminar intended to present various key and successful EU technologies for obtaining energy from urban solid waste.

The first stage was dedicated to the formation of the Steering Committee, two coordination meetings were celebrated in Bilbao and Quito (EVE-ICIE-OLADE). A first preliminary programme was prepared, structured with all the identified themes of interest and a first selection of the most suitable speakers has been developed, a group of 6-8 European experts in the identified technologies were selected. Four technological areas of investigation were covered at the seminar :

- Management of sanitary landfills and methane recovery
- MSW incineration
- Anaerobic digestio/Compost/Recycling
- Economics/Financing/Tariffs/Environmental/Social Aspects

The seminar took place in Quito, Ecuador, during October 29-30, 1996, with a technical visit on October 31 with the company EMASEO of the municipality of Quito to visit the sanitary landfill of Zambiza. A total of 36 speakers (10 from Europe) and from 16 different countries. A total of 150 delegates participated. A proceedings book was printed (500 copies) and distributed to the participants and OPET Network contacts.

Achieved Results

The event has led to the participation of European companies in call for tenders in several landfills projects in Latin American (ex.Bogott, Guayaquil...), thereby implying the transfer of European technologies and services, and the emerging of a new market and wide opportunities to introduce European technologies in different countries.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support:	92.500 ECU	Eligible cost:	92.500 ECU
-------------	------------	----------------	------------

Contact

Co-ordinator: ENTE VASCO DE LA ENERGIA
Address: SAN VICENTE 8, PLANTA 14, EDIFICIO ALBIA 1
48001 BILBAO
ESPAÑA

Responsible: JESUS M GOIRI
Tel: 34 4 423 50 50
Fax: 34 4 424 97 33
Email: ente000@sarenet.es

Participants: ENERGY CENTRE DENMARK
ICIE

DANMARK
ITALIA

PROSPECTS FOR THE USE OF RENEWABLE ENERGY SOURCES IN THE ANTIOQUIA REGION OF COLOMBIA (STAGE 1)

**RES
GEN**

Action Nr: DIS-0702-1995-ES

Starting Date: 01-Mar-96

COMPLETED

Aims and objectives

This action aims to assess the potential for using different types of EU RETS in the Antioquia region of Colombia. The potential of Thermal and PV Solar power will be assessed along with the construction of wind farms and the processing of forestry wastes to provide biomass energy. Energy use of solid urban waste will also be studied. The region has a wide range of alternative sources which have not been exploited. Efforts and possibilities to develop an appropriate infrastructure to harness this potential have not matched the level of reserves due to economic, technological and institutional barriers.

Description

The first operational stage consisted of identifying, systemizing and analyzing data available from recent years concerning renewable energy sources (resource assessment studies, viability studies, etc.). This stage includes detailed analysis of the information available on the potential for renewable energy sources in Antioquia. Solar Energy: Three applications of solar power were looked at in various areas of interest: lighting, heating and passive energy. The assessment of the potential for using energy from biomass resources covered forestry, mixed farming and industrial waste from the primary and secondary processing of wood. The potential for using biogas from waste tips for energy purposes were assessed. The viability of solid urban waste plants were analyzed from the viewpoint of energy recovery for electricity generation and of materials, with a view to offsetting the impact caused. The hydraulic potential of the province was assessed using the hydrological data on the areas of interest. Finally, the economic viability of recovering old small hydraulic stations and setting up new sites was assessed. A study of the data available on wind conditions in Antioquia allowed to identify the areas of most interest and assess their potential for energy use.

Achieved Results

The study has revealed important potential for the use of RETS in the region, in particular small hydro, biomass, energy from urban solid waste, wind, and solar. The estimated theoretical potential of alternative energy in Antioquia is 432695 TOE/Y (against 500 TOE at present). The existing barriers against their development are analysed and recommendations put forward.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support: 115.000 ECU

Eligible cost: 92.000 ECU

Contact

Co-ordinator: ENTE VASCO DE LA ENERGIA
Address: SAN VICENTE 8, PLANTA 14, EDIFICIO ALBIA 1
48001 BILBAO
ESPAÑA

Responsible: JESUS M GOIRI
Tel: 34 4 423 50 50
Fax: 34 4 424 97 33
Email: ente0001@saren.es

Participants: NATIONAL AGENCY FOR NEW TECHNOLOGY, ENERGY AND THE ENVIRONMENT
ZWECKVERBAND "REGIONALE ENTWICKLUNG UND ENERGIE"

ITALIA
DEUTSCHLAND

Action Nr: DIS-0704-1995-DK

Starting Date: 01-Mar-96

COMPLETED

Aims and objectives

This action is intended to promote EU power producing biomass and wind energy technologies in China and facilitate their penetration through the implementation of a three step dissemination strategy for the Chinese market. It is a follow-up of the EU (Synergy)sponsored conference on RE Policy in Hangzhou, China, October 1995. Emphasis has been on electricity producing wind and biomass technologies.

 Business-Mission

 Seminar

 Workshop

 Exhibition-stand

 Conference

 Training

 Exhibition

 Publication

 Audit-assessment

 Study

 Electronic Catalogue

 Other

Description

1. Survey :

- investigation of areas relevant for Sino-European collaboration in the field of power producing RE technologies.
- identification of EU manufacturers with potential interest in the Chinese market.
- identification of Chinese institutions and companies who could be potential partners.
- elaboration of a report on the status of RE (WE, BM) technologies.

2. Technical seminar :

- organisation of a technical seminar on the potential for introducing innovative RE technologies in the power supply systems, including marketing concepts and financial mechanisms, 30.10.96, in parallel to the Energy Power '96 exhibition in Beijing

3. Investment Guides :

- preparation and dissemination of an "Opportunities Guide for European manufacturers interested in penetrating the Chinese market"
- preparation and dissemination of an "Opportunities Guide for Chinese Companies interested in Collaborating with EU manufacturers".

Achieved Results

The survey highlighted substantial opportunities for EU-Sino co-operation on projects within the areas of grid connected wind turbines and biomass technologies based on agricultural residues.

These were presented and discussed at the 1-day Technical seminar that gathered EU key (WE,BM) technology suppliers and Chinese authorities/companies. The published Guides were extremely well received by EU and Chinese decision makers.

- several re-prints had to be made. This action has created opportunities for co-operation in project within the areas of grid connected wind turbines and biomass technologies based on agriculture residues, e.g. :
- a biomass project for exploitation of surplus rice husk being negotiated with French Company Babcock.
- ongoing negotiations with German wind company Tacke about investment possibilities.

Finance

EU Support: 97.000 ECU

Eligible cost: 117.000 ECU

Contact

Co-ordinator: COWI CONSULT
 Address: PARALLELVEJ 15
 2800 LYNGBY
 DANMARK

Responsible: MICHEL LARAIGNOU
 Tel: 45 45 97 22 11
 Fax: 45 45 97 21 14
 Email:

Participants: BCEOM
 CEEETA PARTEX CPS

FRANCE
 PORTUGAL

DISSEMINATION OF EFFICIENT HEAT TECHNOLOGIES IN THE GREATER MOSCOW REGION

RUE

BU

Action Nr: DIS-0705-1995-DK

Starting Date: 01-Mar-96

COMPLETED

Aims and objectives

Promote efficient heat technologies from the EU through the development of a dissemination strategy for the greater Moscow area. Familiarise key representatives of heating networks and major industrial enterprises in the greater Moscow region with modern heat technology and energy management. Achieve joint development and production of equipment to achieve higher efficiency and heat networks.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The project is divided into following phases:

1. Preparation of Study Tours: identification of participants and preparation of preliminary programme and background material in Russian language.
2. Study Tours: (A) Study Tour to the UK for industrial energy managers to study industrial energy management programmes; (B) Study Tour to Denmark and the UK for high level decision makers to study different practices of ownership/management/regulations of energy supply structures and; (C) Study Tour to Denmark for DH networks operators to study design operation and maintenance of heat supply systems.
3. Follow-up: preparation of dissemination strategy for energy technology manufacturers in the Greater Moscow Region incl. preparation and dissemination of an opportunities guide.

Achieved Results

Better understanding of how modern heat technologies can be supplied to achieve efficiency improvements in heat networks and industrial plants. This is expected to widen the marketing possibilities of European equipment manufactures and open up of EU/Russian industrial co-operation.

Making the decision makers and heat network managers of Moscow Region aware of technology options present in the EU and focused on removing barriers for exchange of technology

Mytshi heat network has purchased heat exchangers and many other components of their DH systems at Danish equipment suppliers.

Finance

EU Support:	150.000 ECU	Eligible cost:	150.000 ECU
-------------	-------------	----------------	-------------

Contact

Co-ordinator:	COWI CONSULT	Responsible:	MICHEL LARAIGNOU
Address:	PARALLELVEJ 15 2800 LYNGBY DANMARK	Tel:	45 45 97 22 11
		Fax:	45 45 97 21 14
		Email:	
Participants:	ADEME MARCH CONSULTING GOUPE	FRANCE UNITED KINGDOM	

PROMOTION OF ENERGY EFFICIENT TECHNOLOGIES IN THE URBAN ENVIRONMENT OF BLACK SEA CITIES

ALL
GEN

Action Nr: DIS-0706-1995-GR

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

Promotion and dissemination of EU energy efficient technologies in the Black Sea countries market. Broaden and increase penetration of EU technologies in the market through assessment and dissemination activities. Contribute in matching urgent local technological priorities for energy efficiency with the EU targets and objectives. Establish basic coordination links among the Black Sea cities, to secure implementation and facilitate future EU activities in the field.

Description

The project consisted of 3 tasks:

An overview of the energy impact on the urban development of Black Sea cities.

Organisation of a two-day technology-oriented symposium on "Energy Efficiency in the Urban environment of the Black Sea".

Elaboration of an intervention framework for the transfer of energy efficient technologies in the urban environment of the Black Sea region and the preparation of an action plan.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Achieved Results

- 1) Symposium on Energy Efficiency in the Urban Environment of the Black Sea organised in Sofia in March 97'
- 2) Cities representatives have signed through the establishment of a working group, proposed by the consultants, a memorandum of understanding to make use of energy in cities concerned more rational namely through energy efficient technologies..
- 3) Preparation of 2 case studies in two cities (Konstanza-Ro and Odessa-Ukr) and recommendations to increase energy efficiency

Finance

EU Support:	70.000 ECU	Eligible cost:	164.000 ECU
-------------	------------	----------------	-------------

Contact

Co-ordinator: SYNERGIA
Address: APOLLON TOWER, 64 LOUISE REINCOURT STREET
115 23 ATHENS
ELLAS

Responsible: DR. TH. GOUMAS
Tel: 30 1 64 96 1 85
Fax: 30 1 64 96 186
Email: exergia@compulink.gr

Participants: BCEOM
HKFE GENERAL TRADING CO. S.R.L.

FRANCE
ROMANIA

CO-OP. WITH INTERNATIONAL ORGANISATIONS IN RE ENERGY DEVELOPMENT FOR RURAL ELECTRIFICATION IN SOUTHERN AFRICA

RES
GEN

Action Nr: DIS-0707-1995-GB

Starting Date: 01-May-96

COMPLETED

Aims and objectives

The primary aim is to overcome the lack of direct financing for technology implementation outside the EU by cooperation with international funding organisations and multi-lateral development banks. This action has also identified international organisations working in the region and determine the nature of their programmes in the energy sector. It has also identified common aims between THERMIE and these programs, established criteria for cost-effective demonstration and dissemination activities, developed project concepts involving THERMIE, DBSA and other international financiers for RE investments in rural electrification sector, identified suitable project partners and locations. Finally it has proposed appropriate procedures and financial arrangements and formulate concrete example of a joint co-operation project with an appropriate financing organisation.

Description

This task was carried out in conjunction with the Development Bank of Southern Africa (DBSA) which is funded by the INCO-DC programme. The work is linked to a related action led by ETSU in partnership with EAB (Ref:DIS-0708-95-GB) entitled "Renewable Energy Information Network for Southern Africa (Phases 1&2 - Action Plan and Establishment)".

After a data collection phase, the opportunities for European renewable Energy Technologies are identified and the most appropriate fields and criteria for co-operation are determined.

Then the criteria for cost-effective demonstration and dissemination are established, and examples of possible collaborative actions are prepared.

Achieved Results

The action is expected to have helped to stimulate the introduction and implementation of EU renewable energy technologies in Southern Africa. EU industry, in particular SMEs, will benefit from the opportunities to demonstrate their renewable energy systems under local conditions.

The action is expected to lead to the long term to concrete investment projects in renewable energy technologies in Southern Africa, and to the establishment of joint projects in Southern Africa.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support: 98.980 ECU

Eligible cost: 98.980 ECU

Contact

Co-ordinator: ETSU
Address: HARWELL 156
OX11 ORA DIDCOT
UNITED KINGDOM

Responsible: DAVID MARTIN
Tel: 44 1 235 433 541
Fax: 44 1 235 432 410
Email: david.j.martin@aeat.co.uk

Participants: DECON

DEUTSCHLAND

RENEWABLE ENERGY INFORMATION NETWORK FOR SOUTHERN AFRICA (PHASES 1 & 2 - ACTION PLAN AND ESTABLISHMENT)

RES
GEN

Action Nr: DIS-0708-1995-GB

Starting Date: 01-May-96

COMPLETED

Aims and objectives

The action aims to determine which SADC countries should form focus of future co-operation with EU; Determine EU RES Technologies having greatest potential in SA and assess potential market; Consider the need for targeted info and need for info dissemination network; Identify suitable members of a network and propose appropriate procedures and financial arrangements for operation; And finally establish a pilot network to determine feasibility and benefits. Collaboration with the MEPC (Mineral and Energy Policy Centre of South Africa) for the implementation of the action.

Description

The action involves all the preparatory work necessary to establish an information dissemination network for EU RETS in the countries of SADC. It comprised 6 phases, each of which involves both EU members of the consortium and six non-European members. The work is linked to a related action led by ETSU in partnership with DECON (Ref. DIS-0707-95-GB), entitled "co-operation with International organisations in renewable Energy Development for Rural Electrification in Southern Africa".

It comprised the following tasks : determination of target countries and technologies; assessment of possible members of an info network and the necessary conditions for their involvements ; collaborate with the selected organisations to set up the proposed network.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Achieved Results

The action finds that there is a role for the proposed Southern Africa Renewable Energy Information Network (SAREIN) to facilitate information dissemination within the region and to develop improved opportunities for EU renewable energy equipment and systems manufacturers.

Potential members of the network have been identified in Botswana, Lesotho, Namibia, South Africa, Swaziland and Zimbabwe. Based on the data collected in the country visited, the relevant EU technologies and the opportunities for incorporating them into the rural electrification programmes have been identified. The operation of the SAREIN Network (within a future action) will help to stimulate the introduction and implementation of EU RETS so that effective technology transfer and information dissemination can be achieved. European industry will benefit from the opportunities to promote and market their RE system and equipments, using activities undertaken through the network.

Finance

EU Support:	82.950 ECU	Eligible cost:	82.950 ECU
-------------	------------	----------------	------------

Contact

Co-ordinator: ETSU
Address: HARWELL 156
OX11 ORA DIDCOT
UNITED KINGDOM

Responsible: DAVID MARTIN
Tel: 44 1 235 433541
Fax: 44 1 236 432410
Email: david.j.martin@aeat.co.uk

Participants: EAB ENERGIE-ANLAGEN BERLIN GMBH

DEUTSCHLAND

MARKETING STRATEGIES TO OPEN THE ASIAN MARKET FOR EUROPEAN TECHNOLOGIES IN THE RES-FIELD INCLUDING PARTIC. IN INEX'96

RES
GEN

Action Nr: DIS-0709-1995-DE

Starting Date: 01-Mar-96

COMPLETED

Aims and objectives

The aim of this action is to undertake an energy management market survey for South East Asian countries in order to compare energy needs and production potentials of the region. It also emphasises solutions for resources savings and environmentally safe energy production possibilities. To this end, the activities foreseen is the production of a comprehensive inventory on the existing energy situation in SEA and the assessment of the optimal commitment of energy technologies. Strategic advice focuses on an analysis of this energy management survey and an identification of opportunities for co-operation between the EU and local industries. In parallel, a dissemination campaign for EU energy technology ran in complement to the study work through the participation of EU companies in the 'ENEX' 1996, Singapore, a technology exhibition. A series of technologies covering the renewable energy sector were illustrated to the public.

Assistance was provided by a local partner : Asian Institute of Technology (AIT), Thailand

Description

The project consists of 2 phases:

Phase 1: Input and data for the market survey. Energy technologies to be covered are PV, thermal solar energy, wind, biomass and solid wastes and geothermal.

Phase 2: Responsibility for the exhibition stand at ENEX 1996 in Singapore (8-11 oct.1996), which is a trade fair on energy selected applications held annually in the World Trade Centre, Singapore.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Achieved Results

The action resulted in following outputs :

- establishment of a "Provide Catalogue" giving an overview on the RES sector in European Member States. It is based on European technology data bases informing interested enterprises and institutions on services of EU technology provides.

- Study on "Marketing strategies to open Asian Market for EU Technologies in the RES field" illustrating recommendations on how to secure market positions

- Exhibition stand at Enex , wich had moderate impacts due to the fact that more EU Technologies provides must be attracted for such promotional platforms.

Finance

EU Support: 88.000 ECU

Eligible cost: 88.000 ECU

Contact

Co-ordinator: EAB ENERGIE-ANLAGEN BERLIN GMBH
Address: FLOTTWELLSTRASSE 4-5
10785 BERLIN
DEUTSCHLAND

Responsible: JAOCHIM GAUBE
Tel: 49 30 254 96 230
Fax:
Email:

Participants: BCEOM
NOVEM

FRANCE
NEDERLAND

INTERACTIVE WORKSHOPS ON EUROPEAN ENERGY TECHNOLOGY TRANSFER FOR MUTUAL EUROPEAN/VIETNAMESE BENEFIT

ALL
GEN

Action Nr: DIS-0710-1995-DE

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

Under the previous Thermie I Programme, first activities were undertaken in terms of pre-fact finding missions and a global market survey of the energy sector. Further an energy efficiency policy study for the industrial was carried out in 1995 by Synergy.

On the basis of these activities, the organisation of a workshop focusing on technical issues adapted to the local energy situation and the potential for European energy technology transfer was proposed to Thermie directed at RES, RUE in Industry, DSM and financing options.

These themes were considered of particular interest for both EU and Vietnamese actors based on the present energy situation in Vietnam.

The objectives of the workshop were :

- disseminate relevant information from general EU experience and from the results of local demonstration of

Description

There were 2 phases to this project:

Phase 1: The preparation of a workshop in Hanoi, Vietnam

Phase 2: The evaluation of the workshops and their respective impacts and preparation of proceedings.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Achieved Results

The workshop was run, with the participation of ministerial level and the head of the EU-Delegation, Hanoi.

As direct result, a number of European industrial representatives (in the field of renewable and boiler technologies) were able to take advantages during the workshop to make first autonomous technology transfer contract negotiations, which seemed to be very promising.

As a result of the working group sessions, a number of concrete actions responding to needs in terms of energy technology transfer in each of the 4 fields of the workshop were identified and set in a range of priorities. These actions referred mostly to needs in the frame of technology transfer.

Future activities under Thermie should build on the findings and conclusions of this workshop and conceptual work done previously in order to enter a further stage in the energy technology transfer with Vietnam.

Finance

EU Support:

88.000 ECU

Eligible cost:

88.000 ECU

Contact

Co-ordinator: EAB ENERGIE-ANLAGEN BERLIN GMBH

Address: FLOTTWELLSTRASSE 4-5
10785 BERLIN
DEUTSCHLAND

Participants: BCEOM

Responsible: SASCHA DJUMENA

Tel: 49 30 254 96 230

Fax: 49 30 254 96 230

Email: djumena@ibm.net

FRANCE

REALIZATION OF A EC EXHIBITION STAND AND WORKSHOP AT THE RISTEK '96 INTERNATIONAL TECHNOLOGY FAIR IN JAKARTA



Action Nr: DIS-0714-1995-LU

Starting Date: 01-Mar-96

COMPLETED

Aims and objectives

RISTEK (10-16 August 1996) is a technology fair that takes place yearly in Jakarta, Indonesia, organised by the Indonesian Ministry for Reserach and Development for national and international companies to present their new developments. General industrial technologies are presented at this fair as well as technologies in the areas of shipbuilding heavy machinery, coal technologies and renewable energies. Therefore, it is the right store window to present innovative European energy technologies. Apart from general information about the European Commission and its different energy programmes a detailed overview of co-generation technology and its application was given. Co-generation technologies find a wide field of application in SME in sectors such as textile and ceramics industry, since electircity as well as heat/cold are necessary in the production processes. The European Commissions Green paper "For a European Unions Energy Policy" underlined the importance of energy co-operation with countries outside the European Union.

Description

With the support of Cogen Europe and EC ASEAN Cogen the consórtium identified European manufacturers with regard to the abovementioned as a chance to enter the Asian market and to use the opportunity to get a show room with the advantage of the European dimension under the umbrella of the Indonesian Ministry for Research and Technology, the flag carrier of technical innovation in the country.

In parallel, a workshop was organised on small scale co-generation unit technology. The workshop gave all parties, manufacturers, potential customers and political decions-makers the unique opportunity to exchange information and experience and to intensify the knowledge of the needs of the local partners.

The site visit to the locally installed co-generation plant could round off the positive view the EU partners gained from the event.

Achieved Results

As a conclusion, the workshop was an important vehicle for establishing contact between European and Indonesian experts and companies having a common interest in co-generation. Sales representatives present at the event stated that an important step for developing their business in the region has been taken. During the project it became obvious that the development of business opportunities is possible for well-established bigger companies from Western Euorpe. Due to the growing market for CHP in Europe a high amount of contacted companies stated that their main activity field would be Europe and an engagement in Asia would not be interesting at the moment due to personal and production capacities. This was mainly stated by smaller companies which are specialised only in CHP or are just engaged as a packager. One more obstacle was that the most European companies are concentrating on classic CHP plants without the production of cold which would be more suitable in Asia. As a final conclusion it can be said that the exhibition and the workshop have helped to indentify the specific needs for CHP in Asia and that it has shown that it is not possible to sell European CHP-equipment without adapting the technology (need of cold, use of biogas) and the marketing strategy (turn-key projects).

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

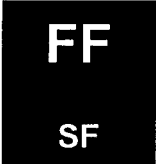
Finance

EU Support:	65.000 ECU	Eligible cost:	68.805 ECU
-------------	------------	----------------	------------

Contact

Co-ordinator:	LUXCONTROL SA	Responsible:	RALF GOLDMANN
Address:	1, AV. DES TERRES ROUGES 4004 ESCH-SUR-ALZETTE LUXEMBOURG	Tel:	00352 54 77 11 282
		Fax:	00352 54 77 11 266
		Email:	Energie@luxcontrol.com
Participants:	ADEME LORRAINE GOPA-CONSULTANTS	FRANCE	DEUTSCHLAND

PROMOTION OF EFFICIENT AND CLEAN COAL BOILERS (150KW) IN CENTRAL AND EASTERN EUROPE.



Action Nr: DIS-0715-1995-GB

Starting Date:

COMPLETED

Aims and objectives

The aim of this study is to disseminate information about EC Member States' clean, efficient coal burning technologies to markets in Central and Eastern Europe, and to inform those markets of financing options for purchasing these energy efficient boilers.

The project will build upon a successful OPET Crash Action (C53) which installed a clean and efficient 150 kW coal fired boiler in the Katowice region of Southern Poland. This type of boiler is currently manufactured in France, Denmark, UK and Germany.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

Testing on four different boilers (two small-scale underfeed stoker type boilers burning coal and two traditional hand fired boilers);

Production of one case study translated in four local languages (Polish, Czech, Hungarian, Slovak) promoting the environmental and economic benefits of the boilers installed under the Crash action;

Organisation of 4 seminars to suit the local target audience and address different aspects of coal use.

Achieved Results

Several boilers have been monitored for efficiency and emissions and the results were included in a case study document. The case study was published in four languages and was promoted at a series of seminars. Seminars were well attended and included talks by Western coal technology experts, government officials and financiers of energy efficient investments.

Finance

EU Support:	174.970 ECU	Eligible cost:	174.970 ECU
-------------	-------------	----------------	-------------

Contact

Co-ordinator:	ETSU	Responsible:	P. STANDING
Address:	HARWELL 156 OX11 ORA DIDCOT UNITED KINGDOM	Tel:	44 235 433532
		Fax:	44 235 433548
		Email:	
Participants:	24 HEURES DE POINTE CDF INGENIERIE S.A. EC ENERGY CENTRE BRATISLAVA EC ENERGY CENTRE PRAGUE LTD EC ENERGY CENTRE WARSAW	BELGIQUE FRANCE SLOVAK REPUBLIC CZECH REPUBLIC POLAND	

STUDY ON THE INTEGRATION OF THE GAS MARKET IN LATIN AMERICA AND THE CARIBBEAN.

FF

OG

Action Nr: DIS-0716-1995-PT

Starting Date:

COMPLETED

Aims and objectives

The aim of the study is to evaluate from a regional policy point of view, the aspects related with the integration of the gas market, at a level of region or sub-region, to suggest different alternatives for the installation of the gas network and to implement legal, taxation and energy policy measures to develop the gas industry. Moreover, this study is supposed to contribute to the identification of investment opportunities for the gas subsector which will facilitate the opening of markets in Latin America and the Caribbean for EU advanced technologies. Also, the interconnection of gas network will contribute to the rationalisation of energy use.

Description

This action is focused on the elaboration of a detailed survey of databases, procedures, methodologies and criteria to be used during the study, an analysis of previous experience in the field of interconnection and gas integration, the identification of the current situation of the gas industry in Latin America and the Caribbean - including a description of the existing regional gas networks and evaluation of regional integration, identification of gas capacities, throughputs and operating pressures as well as of the main sources of gas and outlook for supply, analysis of the gas consumption (past, present and outlook) and scheduling of expected gas projects - and the issuing of recommendations to carry out the establishment of contacts with relevant local institutions, preparation of detailed plan and methodology for extending this study and also, recommendations for how to proceed with integrating the regional gas market. This study was undertaken in collaboration with OLADE.

Achieved Results

This study provides the opportunity to note potential markets for products and services of EU-bases companies; The study is also expected to lead to concrete investment projects in innovative energy technologies. The study also includes recommendations to optimize the integration of gas market in the region, e.g., recommendations on tariff structure, regulations, technical standards, safety, protection of the environment and fiscality.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support:	90.800 ECU	Eligible cost:	90.800 ECU
-------------	------------	----------------	------------

Contact

Co-ordinator: PARTEX CPS
Address: AV. DE OUTUBRO 160
1050 LISBOA
PORTUGAL

Responsible: CARLOS HENRIQUES CARDOSO
Tel: 351 1 793 20 44
Fax: 351 1 797 95 16
Email: partex.ae.afp@mail.telepac.pt

Participants: GOPA-CONSULTANTS
IDAE

DEUTSCHLAND
ESPAÑA

REDUCTION OF LATVIAN HOSPITALS ENERGY LOSSES

RUE

BU

Action Nr: DIS-0717-1995-PT

Starting Date: 01-Apr-96

COMPLETED

Aims and objectives

The action aims at strengthening energy technology co-operation with Latvia by providing sessions for Latvia technicians in the field of energy technologies carrying out energy audits in hospitals and preparing a "pilot case" project through conducting a complete feasibility study in a selected hospital.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

This project is composed of 3 phases:

Training (preparation of training course & materials, selection of Latvian energy technicians, training sessions, and reporting).

Energy Audits (energy audit and assessment of the development of a preliminary project to identify the maximum technical potential for the RUE).

Pilot case (Pilot case RUE analysis and feasibility report).

Achieved Results

Training of 22 local technicians and intermediate managerial specialists in energy and maintenance of hospitals belonging to the Latvian health institutions.

Energy saving audit assessments at P.Stradina Clinical Hospital, VII Clinical Hospital of Riga and Children Clinical Hospital.

Making of 2 RUE energy feasibility analysis at P.Stradina Clinical Hospital and definition of financing strategies.

Finance

EU Support: 133.000 ECU

Eligible cost: 133.000 ECU

Contact

Co-ordinator: PARTEX CPS
Address: AV. DE OUTUBRO 160
1050 LISBOA
PORTUGAL

Responsible: CARLOS HENRIQUES CARDOSO
Tel: 351 1 793 20 44
Fax: 351 1 797 95 16
Email:

Participants: ICAEN
STATE CLINICAL HOSPITAL
THE IRISH ENERGY CENTER

ESPAÑA
LATVIA
IRELAND

Action Nr: STR-0720-1995-FR

Starting Date: 01-Nov-95

COMPLETED

Aims and objectives

This action aimed to further the EC's initiatives and programmes in renewable energies in China, in particular to promote European solar technologies through the development of demonstration, dissemination and commercial strategies that would stimulate the Chinese solar market. In addition to a market study, the organisation of EU participation at ENERGEX '96 is envisaged. Collaboration of local partners (Institute for Tech-Econ. and Energy System Analysis; Beijing Science and Energy Research Institute) was included.

 Business-Mission

 Seminar

 Workshop

 Exhibition-stand

 Conference

 Training

 Exhibition

Publication

 Audit-assessment

 Study

 Electronic Catalogue

 Other

Description

This action comprised of the following tasks:

Task A: Investigation. Investigation of areas in which European and Chinese industrial partners can collaborate. Assess the scope for Joint Ventures between EU and Chinese solar industries. Investigate Chinese financing mechanisms for solar, and learn from Chinese programmes dealing with the marketing of solar products.

Task B: Design: Prepare a document outlining innovative means of financing solar in China. Develop Opportunities Guidelines to assist the EU solar industry.

Task C: Dissemination: Prepare the Energex '96 Exhibition and participate in June 1996. Disseminate the Opportunities Guidelines to EU solar industries. Produce a final report.

An important input was given by the EC Delegation in Beijing for the implementation of the action.

Achieved Results

The study and publication produced have been disseminated widely - many requests for these documents have been received from all over Europe and China, and several reprints had to be made.

Fruitful contracts and arguments have been established between EU and China SE technology manufacturers, users and producers. Thanks to the EU industry participation at Energex'96. In the short-term the recommendations of the study have certainly helped European market actors to determine an investment strategy in the field of solar energy in China, as it has provided the tools for better assessing the implications, barriers and prospects for the development of the solar energy market and industry in China. The study has also allowed EU companies to assess their position in relation to additional investments which will be made by multilateral funding agencies.

In the long-term, the action is expected to contribute to a high level of use of SE in China with important implication on environment and rural area's development. Replication of this type of action to focus on other sectors has been recommended by EU market actors.

Finance

EU Support: 80.000 ECU

Eligible cost: 118.860 ECU

Contact

Co-ordinator: BCEOM
 Address: PLACE DES FRÈRES MONTGOLFIER
 78286 GUYANCOURT
 FRANCE

Responsible: CLAUDE PEYREBONNE
 Tel: 33 1 30 12 49 90
 Fax: 33 1 30 12 10 95
 Email:

Participants: COWI CONSULT
 ETSU

DANMARK
 UNITED KINGDOM

STRATEGY FOR THE DEVELOPMENT OF ADVANCED PULVERIZED COAL-FIRED POWER PLANTS (700°C)

FF

SF

Action Nr: STR-0723-1995-DK

Starting Date: 01-Nov-96

COMPLETED

Aims and objectives

To produce a strategy for the collaborative (stepwise) development of advanced pulverized coal power technology using high performance designs to reach steam temperatures of 700°C thus achieving efficiencies of 55% and above.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The market potential for such plant and the possibility of innovative plant architectures to enhance this potential will be assessed. A strategy for optimisation of future steam cycles will be developed. For the steam turbine and for the boiler, strategies for future development will be developed by defining all design and material issues to be resolved and by developing methodologies for their resolution. Preliminary studies to indicate salient plant parameters for potential steam cycles and to indicate the availability of materials with the required properties and of construction techniques of the required capabilities will be carried out.

Achieved Results

After successful operation of a demonstration plant, the advanced PF technology (60GW) may be build in Europe and exported to other areas in the world. A recent study from US-DOE indicates an investment potential for coalbased power generation world-wide of 600 billion between 1995 and 2010.

There are no investment projects involved in this action. Investment projects will have to wait for the demonstration of the technology which might not be completed until around year 2015.

Finance

EU Support:	95.000 ECU	Eligible cost:	190.000 ECU
-------------	------------	----------------	-------------

Contact

Co-ordinator:	ELSAMPROJEKT A/S	Responsible:	GEORG STYRBRO
Address:	KRAFTVAERSVEJ 53	Tel:	4575564411
	7000 FREDERICIA	Fax:	4575564477
	DANMARK	Email:	
Participants:	ABB KRAFTWERKE AG	DEUTSCHLAND	
	ABB POWER GENERATION LTD., CH	SWITZERLAND	
	BABCOCK-LENTJES-KRAFTWERKSTECHNIK	DEUTSCHLAND	
	BURMEISTER & WAIN ENERGI A/S	DANMARK	
	ELKRAFT A.M.B.A.	DANMARK	

HOLLAND OIL AND GAS'96, 12-14 NOVEMBER 1996, AMSTERDAM, THE NETHERLANDS



Action Nr: SME-0725-1996-NL

Starting Date: 01-Mar-96

COMPLETED

Aims and objectives

To organise and manage an EU stand at the Holland Oil and Gas Exhibition'96 for promoting THERMIE funded projects and demonstrating the latest European innovative hydrocarbons technology.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

Organisation and management of the EU stand at the Holland Oil and Gas '96 Exhibition.

Achieved Results

The involved companies made business contacts to varying degree and quality. Possible outcome can only be judged in longer run.

Finance

EU Support: 47.500 ECU

Eligible cost: 95.000 ECU

Contact

Co-ordinator: ASSOCIATION OF DUTCH SUPPLIERS IN THE OIL AND GAS
INDUSTRY

Address: ENGELANDLAAN 330
2711 DZ ZOETERMEER
NEDERLAND

Participants: GOPA-CONSULTANTS

Responsible: GG HUTJES
Tel: 31 79 3411981

Fax: 31 79 3419764
Email: iro@x54all.nl

DEUTSCHLAND

WORKSHOP ON "EUROPEAN ADVANCES IN DRILLING TECHNOLOGY", 6 MAY 1997, HOUSTON, USA

FF

OG

Action Nr: SME-0726-1996-NL

Starting Date: 01-Jan-97

COMPLETED

Aims and objectives

The aim of the workshop is to present and discuss the latest advances in drilling technologies from Europe and to stimulate the exchange of information world-wide.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

Organisation and management of the EC workshop on advanced drilling technologies.

Achieved Results

Although the number of participants was lower than we have anticipated, the participants evaluated the workshop in respect of programme, papers and organisation as 'good' and 'useful'. Especially the quality of the presented papers was very much appreciated and lively discussions took place on presented and related topics. As one of the main results of the workshop we might mention that the workshop has encouraged dissemination and market penetration of the presented technologies. The presenting companies have made some new interesting contracts and have met several existing relations.

Finance

EU Support:	31.000 ECU	Eligible cost:	62.000 ECU
-------------	------------	----------------	------------

Contact

Co-ordinator: ASSOCIATION OF DUTCH SUPPLIERS IN THE OIL AND GAS INDUSTRY

Address: ENGELANDLAAN 330
27A1 AG ZOETERMEER
NEDERLAND

Participants: CENTRE FOR MARINE AND PETROLEUM TECHNOLOGY

Responsible: G.G. HUTJES
Tel: 31 79 3411981

Fax: 31 79 3419764
Email: iro@x54all.nl

UNITED KINGDOM

DISSEMINATION PROGRAMME IN EUROPE FOR CHINESE ENGINEERS ON WASTE MANAGEMENT AND ENVIRONMENT PROTECTION DURING

FF
OG

Action Nr: DIS-0730-1996-FR

Starting Date: 01-Oct-96

COMPLETED

Aims and objectives

To enhance the knowledge of Chinese experts on EU waste treatment and environmental protection technologies for application on drilling and oil production onshore sites.
To promote technology transfer and encourage co-operation as well as joint ventures for the supply of equipment, know how and services to China.

Description

10 w. days of training in France including 8 visits with big industrial/companies and 3 days of lectures;

8 w.days of training in The Netherlands including 6 visits with big or medium companies and 2 days of lectures.

Achieved Results

China need to depolluate their sites.
The experts brought in China all the technical documentation they collected, and are now able to order the right equipments for their needs.
Concrete results expected in longer run.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support: 60.000 ECU

Eligible cost: 91.400 ECU

Contact

Co-ordinator: SEAMET INTERNATIONAL
Address: RUE DE LA GARENNE, 61
92310 SEVRES
FRANCE

Responsible: ALAIN LARIVAIN
Tel: 33.1.45.34.85.23
Fax: 33.1.45.34.63.83
Email: 101523.2173@compuserve.com

Participants: ASSOCIATION OF DUTCH SUPPLIERS IN THE OIL AND GAS
INDUSTRY

NEDERLAND

MARKET STUDY ON PV APPLICATIONS IN BUILDINGS IN THE SOUTH OF EUROPE

RES**PV**

Action Nr: STR-0732-1996-ES

Starting Date: 01-Jan-97

ONGOING

Aims and objectives

To characterise the PV market situation in Southern Europe. To identify the main constraints and enablers that affect the generalization of the use of PV and to define a strategy to promote the application of PV in buildings.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

This project comprises of seven different tasks as follows.

Task 1: Production of a general description of the most common applications of the PV technology in buildings.

Task 2: Identification and characterization of the diverse building PV solutions existing in each country.

Task 3: Identification of the energy and economic balance of the technological PV solutions identified in each country.

Task 4: Undertake a market survey among the key players in each country.

Task 5: The definition of various scenarios and analysis of their sensibility in order to determine the conditions under which PV in buildings makes full sense from a technical/economic standpoint.

Task 6: Estimation of the predicted potential market for building PV solutions in each country.

Task 7: Production of a report which will summarise the main results of the project.

Expected Results

The main result will be the availability of a complete picture of the actual situation of PV applications in buildings in the south of Europe. This knowledge will point out the main elements for the design and promotion policies of PV applications in buildings. A publishable document will be produced for the benefit of architects, municipalities and other actors of the building sector which will summarise the main results so that they can be widely disseminated. The results will also be presented at the main sectorial seminars and forums held during the months following the completion of the work.

Finance

EU Support:	175.000 ECU	Eligible cost:	350.000 ECU
-------------	-------------	----------------	-------------

Contact

Co-ordinator:	FUNDACIO PRIVADA INSTITUT ILDEFONS CERDAS	Responsible:	ALBERT GIRBAL
Address:	PELAI 16 08001 BARCELONA ESPAÑA	Tel:	34 3 317 90 91
		Fax:	34 3 302 59 09
		Email:	
Participants:	CENTRAL INSTITUTION FOR ENERGY EFFICIENCY EDUCATION	ELLAS	
	DOMINO SRL	ITALIA	
	SIGMA CONSULTANTS	FRANCE	

DISSEMINATION OF PROMISING RENEWABLE RURAL ENERGY APPLICATIONS IN NORTH-EAST EUROPE

RES

SE

Action Nr: DIS-0733-1996-AT

Starting Date: 12-Dec-96

COMPLETED

Aims and objectives

Increasing the utilisation of selected promising renewable energy applications in rural and isolated areas of north-east Europe and to initiate stronger implementation of these applications in practice. In support of the general aim, following specified objectives are set: - to support new market opportunities for EU industries and especially SME's in N-East Europe. -to realize information and know-how transfer between proposer countries and with Baltic States and north-west part of Russia. -to createa network of different actors in the target region for more long-terms measures. -to initiate preparatory measures for possible demonstrations within Thermie-A

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The results of the research carried out on the technical and econornfical conditions for the implementation of technologies to use renewable energies in the Baltic Countries and Russia were summarised in the Techno-Economic Report.

A workshop "Renewable Rural Energy Applications in North-East Europe" was carried out. One part of the workshop has been the business forum. The essential aspect of this business forum was to build up personal contact between the representatives of the attending European companies and the companies or rather represenatives from the public sector, as well as from universities in the target regions. A clearly defined aim of these talks was to initiate business connections, between, on the one hand European companies and the target regions, as well as amongst the European companies.

Two field trips were held, carried out parallel to each other. Field trip 1 emphasised on photovoltaics, plants and using wind strength, as well as biomass test plantings in "Kopparnas Renewable Energy Demonstration Park".

Achieved Results

Useful contacts were tied at the exhibition booths of the companies and possible collaborations discussed. An exhaustive list of thees contacts was provided. Three projects were elaborated by some participants to be carried out within the scope of the EU programmes.

Finance

EU Support: 45.000 ECU

Eligible cost: 70.000 ECU

Contact

Co-ordinator: ARGE ERNEUERBARE ENERGIE
Address: GARTENGASSE 5
8200 GLEISDORF
ÖSTERREICH

Responsible: WERNER WEISS
Tel: 43 3112 588617
Fax: 43 3112 5886-18
Email: argu-ee-gi@sim.com

Participants: KANENERGI AS
SOLPROS AY

NORGE
SUOMI

Action Nr: DIS-0735-1996-GB

Starting Date: 01-Dec-96

COMPLETED

Aims and objectives

The aim of the activity was to create a series of 'export market summaries', i.e. a series of 20 case studies describing a selection of the best actual examples of how EU renewable energy technologies have been adopted in Third Countries (Latin America, Southern Africa, Mediterranean basin, Eastern Europe, South-East Asia. These were planned to be disseminated to key decision makers in non-EU countries and to EU technology suppliers, financing institutions, non-governmental organisations etc. in order to enhance the up-take of RES technologies for different end-use destinations. To this end, a pool of case studies were assessed to reach a representative selection of 20 case studies on which detailed analysis were done.

Description

Information collection through 300 renewable energy technology suppliers and European Trade Associations
Project selection.
Preparation and editing of the case studies.
Printing & Dissemination of the case studies.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Achieved Results

A number of 20 case studies were printed, carefully selected according to local energy, environmental and social needs. Presenting projects from a series of emerging economies and developing countries, they cover biomass, small scale hydro, photovoltaic, solar thermal and wind energy technologies. They represent examples on how to meet local needs in terms of rural electrification, desalination, water pumping, refrigeration, water heating etc. by means of renewable technology. High attention was attributed to the description of the financing and organisational schemes and the implication of the various European, International and local actors; including social benefits and export prospects.

A number of 3000 copies have been disseminated world wide. An intermediate ex-post evaluation carried out with the help of a questionnaire addressed to the mail shot targets suggest that the publication has been well received; Most actors requested further copies for targeted dissemination and suggested that such support will enhance the sensibilisation of various actors, thus indirectly the EU positioning to exploit market potentials in Third Countries.

Finance

EU Support:	65.000 ECU	Eligible cost:	0 ECU
-------------	------------	----------------	-------

Contact

Co-ordinator:	ECOTEC RESEARCH AND CONSULTING	Responsible:	RICHARD HAINES
Address:	ALBERT STREET 28-34 B4 7UD BIRMINGHAM UNITED KINGDOM	Tel:	44 21 616 10 10
		Fax:	44 21 616 10 99
		Email:	
Participants:	GOPA-CONSULTANTS ICAEN O.Ö. ENERGIESPARVERBAND	DEUTSCHLAND ESPAÑA ÖSTERREICH	

INFORMATION DISSEMINATION TO PALESTINIAN INDUSTRY OF EC MEMBER STATES' CLEAN & ENERGY EFFICIENT TECHNOLOGIES

RUE
IN

Action Nr: DIS-0741-1996-GB

Starting Date: 01-Mar-97

ONGOING

Aims and objectives

The aim is to encourage the use of EC clean and energy efficient technologies in the Palestinian Industry. The objectives are to design information dissemination programme suitable to Palestinian industry's current and future needs, to set up and pilot information dissemination mechanisms in Palestine which will enlarge the market, to train Palestinians, and to supply a library of information of EC manufacturers clean and energy efficient technologies

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The action consists of five tasks:

Task 1: Information gathering and assimilation: this will provide an overview of Palestine industry and energy use, it will also review energy efficiency initiatives and major players in Palestine and identify the target sectors and technologies.

Task 2: Design of the dissemination programme.

Task 3: Information selection and production.

Task 4: Preparation and Implementing the Programme. This task includes the organisation of a workshop on energy technology transfer.

Task 5: Reviewing the action.

Expected Results

To detect further opportunities for EU technologies relevant for the end consume sector in Palestine. The action should draw-up recommendations for future dissemination programmes and demonstrate best practice from EU manufacturers.

Finance

EU Support:	65.000 ECU	Eligible cost:	110.000 ECU
-------------	------------	----------------	-------------

Contact

Co-ordinator: ETSU

Address: HARWELL 156
OX11 ORA DIDCOT
UNITED KINGDOM

Participants: CEEETA PARTEX CPS

Responsible: M. ABU-EBID

Tel: 44 235 43 3809

Fax: 44 235 43 3961

Email: mahmad.aba-ebd@aeat.co.uk

PORTUGAL

IDENTIFICATION OF NON-TECHNOLOGICAL OBSTACLES TO THE DEVELOPMENT OF BIOCLIMATIC TECHNOLOGIES IN THE

RUE
RES
BU

Action Nr: STR-0752-1996-FR

Starting Date: 01-Dec-96

ONGOING

Aims and objectives

The objective is to evaluate the difficulties in using bioclimatic concepts in the EU southern areas, assess the non-technological obstacles, to propose solutions to overcome these barriers.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

In a first step, analysis of the obstacles to the development of bioclimatic technologies in each country : this will be based upon appropriate enquiries. During a meeting, all the partners will establish a list of all possible solutions to the problem encountered. Then, for each region, the solution will be assessed and the regional actions to propose will be proposed to the interested actors.

Expected Results

The identification of the barriers to penetration of bioclimatic technologies. Regional actions to develop bioclimatic technologies, this includes proposals for funding of the actions.

Finance

EU Support:	196.665 ECU	Eligible cost:	262.220 ECU
-------------	-------------	----------------	-------------

Contact

Co-ordinator:	AGENCE REGIONALE DE L'ENERGIE PROVENCE-ALPES-COTE D'AZUR	Responsible:	DOMINIQUE FLAHAUT
Address:	C.M.C.I. - RUE HENRI BARBUSSE 2 13241 MARSEILLE FRANCE	Tel:	33 91 91 53 00
Participants:	EGNATIA EPIRUS FOUNDATION ICAEN SOGES SPA.	Fax:	33 91 91 94 36
		Email:	
		ELLAS	
		ESPAÑA	
		ITALIA	

BUILDING ENERGY LABELLING AND ENERGY TECHNOLOGIES: A SOLUTION FOR MARKET TRANSPARENCY

RUE

BU

Action Nr: STR-0755-1996-IT

Starting Date: 01-Apr-97

ONGOING

Aims and objectives

The aim of the action is to overcome the barriers to the penetration of energy labelling schemes. These barriers mainly concern with a lack of information to the public on actual consumption, saving potential and conservation opportunities.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

Detailed energy auditing on more energy wasting buildings in order to identify the energy conservation opportunities and diffusion of the results through the organisation of seminars in each region.

Expected Results

- Growth of energy and environmental rehabilitation activities,
- Creation of a new professional job (the energy certification),
- Increase of the competitiveness for the construction of more energy efficient buildings.

Finance

EU Support: 209.000 ECU

Eligible cost: 418.000 ECU

Contact

Co-ordinator: REGIONE LOMBARDI - PUNTI ENERGIA
Address: VIA F. FILZI 22
20124 MILANO
ITALIA

Responsible: ING. SERGIO ZABOT
Tel: 39 2 6765 5344
Fax: 6765 5686
Email:

Participants: CONSELL COMERCAL DEL MARESME
ENERGIEVERWERTUNGS AGENTUR
JOINT RESEARCH CENTRE - INSTITUTE FOR SYSTEMS ENG. &
INFORMATICS
LANDESENERGIEVEREIN

ESPAÑA
ÖSTERREICH
ITALIA
ÖSTERREICH

FEASIBILITY OF A DEVELOPMENT CAPITAL FUND FOR BIOMASS

RES

BM

Action Nr: STR-0758-1996-GB

Starting Date: 01-Dec-96

ONGOING

Aims and objectives

The overall aim of the study is to identify appropriate financial mechanisms which will significantly accelerate the take-up of efficient energy from biomass projects involving SMEs. The study will characterise the market for biomass and provide recommendations for the financing of biomass projects in 5 countries: Austria, France, Germany, Italy and the UK. The key markets for biomass will be identified, and the financial, institutional and structural barriers to the implementation of biomass projects in each market will be characterised. The market research conducted will involve consultation with key actors. Options for funding biomass projects will be identified, and will form the basis of strategies for funding biomass projects, which will be developed for each of the five countries. The final output will be discussed at a workshop involving financiers. The establishment of a development capital fund for biomass projects will be investigated as an option.

Description

The work is divided into 2 phases :

Phase 1 : Market review. For each of the five countries covered, this phase will characterise the biomass market on the basis of a synthesis of already published information, followed by a further original research. A working group will be established in each country made up of 5 national experts representing : financiers, biomass trade associations, agriculture ministry, the farming community or fuel growers, developers. A one day meeting of this working group will produce an output paper to feed the following phase. Consultation will also take place at international level.

Phase 2 : Development of strategy for funding biomass. National strategies will be drafted to a common format specified by ECOTEC and presented at a round-table meeting involving also financiers. Clearly-defined recommendations barriers to biomass projects at national or international level will be proposed.

Expected Results

The study is expected to identify the most appropriate financial mechanisms and initiatives for securing the uptake of biomass projects in each of the five Member States considered.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support:	45.450 ECU	Eligible cost:	69.900 ECU
-------------	------------	----------------	------------

Contact

Co-ordinator:	ECOTEC RESEARCH AND CONSULTING	Responsible:	JOHN BUTSON
Address:	ALBERT STREET 28-34	Tel:	44 21 616 10 10
	B4 7UD BIRMINGHAM	Fax:	44 21 616 10 99
	UNITED KINGDOM	Email:	

Participants:	ADEME	FRANCE
	NATIONAL AGENCY FOR NEW TECHNOLOGY, ENERGY AND THE ENVIRONMENT	ITALIA
	O.Ö. ENERGIESPARVERBAND	ÖSTERREICH
	ZENTRUM FÜR RATIONELLE ENERGIEANWENDUNG UND UMWELT	DEUTSCHLAND

MARKET ASSESSMENT AND EXPORT STRATEGY FOR WIND ENERGY TECHNOLOGY IN INDIA

RES

WE

Action Nr: STR-0759-1996-GB

Starting Date: 01-Jan-97

ONGOING

Aims and objectives

The objective of task is to conduct a market assessment in India related to European wind energy technologies. This task should achieve an analysis of the local situation in India, provision of up-to-date information on opportunities for co-operation and partnership between the EU and local industries, identification of support and financing mechanism and relevant contacts and the dissemination of this information on how the EU industry can realise opportunities through the development of a strategy for export and partnership. This aim will be realised through an assessment of the Indian market for European wind technology transfer strategy including financial issues will be developed and disseminated to key market actors and trade associations.

Description

- Market analysis for wind energy application in India
- Establishment of a full Swot-analysis for joint EU-India ventures
- Formulation of a strategy for industrial co-operation and guidelines for companies in EU to export these technologies
- Dissemination of export guide and evaluation

Expected Results

The action expects to identify relevant information for European manufacturers for the development of joint business opportunities. A European wide dissemination of the Export Guide should assist the European rural industry to expand their activities to a promising market.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support:	70.000 ECU	Eligible cost:	110.000 ECU
-------------	------------	----------------	-------------

Contact

Co-ordinator: ECOTEC RESEARCH AND CONSULTING
Address: ALBERT STREET 28-34
B4 7UD BIRMINGHAM
UNITED KINGDOM

Responsible: STEVE IMRIE
Tel: 44 21 616 10 10
Fax: 44 21 616 10 99
Email: Steve-Imrie@ecotec.co.uk

Participants: COWI CONSULT
GARRAD HASSAN AND PARTNERS LIMITED
NATIONAL WIND POWER

DANMARK
UNITED KINGDOM
UNITED KINGDOM

ACTION FOR STRONG INVOLVEMENT OF SMES IN THERMIE IN THE MEDITERRANEAN COUNTRIES : ASSIST MED



Action Nr: SME-0760-1996-ES

Starting Date: 23-Dec-96

ONGOING

Aims and objectives

The main objective of this proposal is to stimulate, encourage and facilitate the participation of SMEs in the THERMIE Programme through the implementation of a specific network in the Mediterranean area that will cooperate with the main actors of the market

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

This project will consist of the following common task plan which will be adapted to suit the requirements of each of the participating countries:

Task 1: Updating the strategy of performance taking into account the experience accumulated during ASSIST phase 1.

Task 2: Promoting the THERMIE programme and various applicable technologies to SMEs through various information dissemination and training activities.

Task 3: Advising industrialists about the THERMIE programme, partner searches and other general matters.

Task 4: Co-ordination with other networks.

Task 5: Evaluation of the activities carried out and proposals for the modification of the strategy.

Expected Results

The main result which is expected will be the greater utilisation of the THERMIE programme by SMEs in terms of the presentation of new projects, participation in existing demonstration activities and employment of the technologies promoted by the programme.

Finance

EU Support:	295.000 ECU	Eligible cost:	630.000 ECU
-------------	-------------	----------------	-------------

Contact

Co-ordinator:	INSTITUTO PARA LA DIVERSIFICACION Y AHORRO DE LA ENERGIA	Responsible:	MRS VIRGINIA VIVANCO COHN
Address:	PASSEO DE LA CASTELLANA 95 28046 MADRID ESPAÑA	Tel:	34 1 556 84 15
		Fax:	34 1 555 13 89
		Email:	
Participants:	CENTER FOR RENEWABLE ENERGY SOURCES CENTRO PARA A CONSERVAÇÃO DE ENERGIA NATIONAL AGENCY FOR NEW TECHNOLOGY, ENERGY AND THE ENVIRONMENT	ELLAS PORTUGAL ITALIA	

Action Nr: DIS-0761-1996-ES

Starting Date: 01-Jan-97

ONGOING

Aims and objectives

The project will present the most relevant European renewable energy projects that started-up during the period 1994-1996. These projects must be relevant projects due to the expected or obtained results, the size of the installation, innovative aspects of the technology or to any other important characteristics.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

Information on successful renewable demo plants (approx. 150) from EU-countries will be collected. Projects will be selected for enclosure in Renewable Energy : Best Practice Projects Yearbook. Selection is based on the following criterias :

- relevance of the projects to the renewable energy market place, results obtained, projects with Thermie support or support from national or local government, innovative technologies and new market applications, commercial applications, potential for replication, socio-economical benefits, other interesting features.

Expected Results

The Yearbook will be important for dissemination of successful projects and technologies between EU-countries. Final report to be produced by May '98.

Finance

EU Support: 120.000 ECU

Eligible cost: 170.000 ECU

Contact

Co-ordinator: INSTITUTO PARA LA DIVERSIFICACION Y AHORRO DE LA ENERGIA

Address: PASSEO DE LA CASTELLANA 95
28046 MADRID
ESPAÑA

Participants: CENTRO PARA A CONSERVAÇÃO DE ENERGIA
ENERGIEVERWERTUNGS AGENTUR
ENERGY CENTRE DENMARK
ETSU
ICIE

Responsible: VICTOR OLMOS GARCIA
Tel: 34 1 556 84 15

Fax: 34 1 555 13 89
Email:

PORTUGAL
ÖSTERREICH
DANMARK
UNITED KINGDOM
ITALIA

TRANSFER OF EUROPEAN UPSTREAM OIL AND GAS TECHNOLOGIES TO CHINA

FF**OG**

Action Nr: STR-0775-1996-DE

Starting Date: 01-Dec-96

COMPLETED

Aims and objectives

Support the marketing of EU technologies and the presence of EU SMEs in China's upstream oil and gas sector.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

This action comprises three workshops., "EU Technologies for Frontier Exploration", in Urumqi, "EU Technologies for Pipeline Integrity", and "EU Technologies for Well Rehabilitation" both in Harbin. Additionally, there will be a five-day fact-finding mission in China on heavy oil technologies and a short market evaluation report on China's underground gas storage activities.

Achieved Results

The project is willing to encourage regional stability, opening up yet further markets for the EU whilst reducing the need for other forms of EU aid to the region. China is becoming more open. By becoming active there now, EU SMEs will bolster their future competitive position.

Finance

EU Support:	130.000 ECU	Eligible cost:	244.000 ECU
-------------	-------------	----------------	-------------

Contact

Co-ordinator: GOPA-CONSULTANTS
Address: HINDENBURGRING 18
61348 BAD HOMBURG
DEUTSCHLAND

Responsible: MR. SAUTER SERVAES
Tel: 49 6172 9300
Fax: 49 6172 35046
Email: f_sauter_servaes@gopa.de

Participants: ASSOCIATION OF DUTCH SUPPLIERS IN THE OIL AND GAS
INDUSTRY

NEDERLAND

PROMOTION OF THE 96/97 JOULE-THERMIE CALL FOR PROPOSAL



Action Nr: SME-0780-1996-PT

Starting Date: 01-Oct-66

ONGOING

Aims and objectives

The envisaged actions are to be integrated in the framework of the promotional activities performed by each Member-State at National and Regional level. Thus, the planned activities will complement the usual actions organised yearly in Portugal and Spain by the National Authorities and will contribute for a stronger promotion and better acknowledgement on the Programme.

The proposal aims to promote the 96/97 JOULE-THERMIE Programme Call for Proposals in Portugal and Spain, to encourage the economic agents to submit projects to the Programme and to support the applicants in the preparation of their proposals;

An Addendum signed with the Commission will also permit to promote the '97/98 JOULE-THERMIE Programme

Description

The action will have a total duration of eight (15) months from the date of signature of the contract. A global final report will be submitted to DGXVII by the end of the contract period.

A set of actions will be carried out as follows:

- * general presentations of the 96/97 JOULE-THERMIE programme Call for Proposals;
- * sectorial meetings on the Programme objectives targeted to specific market sectors;
- * press advertising campaigns;
- * production of press-releases and articles in selected newspapers and magazines;
- * assistance to applicants in the preparation of THERMIE - Type A proposals.

Regular contacts will be established with DGXVII in order to ensure a good co-ordination between the European Commission promotional initiatives and the activities developed by each member-State to promote the THERMIE Programme at national level.

Achieved Results

The forecasted activities were carried out by the members of the consortium. Thus; CCE, IDAE, EVE, ICAEN, SODEAN and IMPIVA performed several promotional activities (general presentations and sectorial meetings; mailings; press advertising) and gave assistance to applicants in the preparation of THERMIE A proposals. Until the end of contract period it is expected to create opportunities for further business development involving not only Portuguese and Spanish companies but also other companies from EU. Taking into account the previous Call for Proposals ('95/96), the '96/97 THERMIE Call for Proposals registered a wider participation of Portuguese and Spanish companies; in fact, there were more proposals covering all fields.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support:	79.869 ECU	Eligible cost:	159.738 ECU
-------------	------------	----------------	-------------

Contact

Co-ordinator:	CENTRO PARA A CONSERVAÇÃO DE ENERGIA	Responsible:	LUIS SILVA
Address:	ESTRADA DE ALFRAGIDE, PRACETA 1, ALFRAGIDE 2720 ALFRAGIDE PORTUGAL	Tel:	351 1 4718210
		Fax:	351 1 4711316
		Email:	dmre.cce@mail.telepac.pt
Participants:	ENTE VASCO DE LA ENERGIA	ESPAÑA	
	ICAEN	ESPAÑA	
	IMPIVA	ESPAÑA	
	INSTITUTO PARA LA DIVERSIFICACION Y AHORRO DE LA ENERGIA	ESPAÑA	
	SODEAN	ESPAÑA	

Action Nr: STR-0782-1996-PT

Starting Date: 01-Jan-97

ONGOING

Aims and objectives

The project is related to the implementation of a global energy and environment strategy for Expo'98 (Lisbon World Exhibition 1998) which represents a new urban development covering a surface of 350 ha. The project is the continuation of the action DIS-238-95-PT previously started .

Description

The different activities in this Project will include :

- co-ordination of all PARQUE EXPO'98, SA prospects in terms of energy efficiency and environment, regarding both energy demand and supply aspects in the EXPO'98 Urban Development Project;
- definition and implementation of procedures regarding the characterisation, commissioning and monitoring of buildings from the energy and environment point of view;
- production of documentation addressing concepts, guidelines and results in several specific areas of interest in urban development projects;
- assessment of specific design features of some selected demonstration projects and production of the corresponding documentation;
- Implementation of the information system able to monitor the whole energy for the period of the 1998 World Exhibition and beyond, as basic tool for urban management of energy and environment;
- Dissemination of the experience cumulated so far in the development of the strategies, of the application of new techniques and technologies to the national and international communities.

Expected Results

- to plan the new urban area in such a way that more comfortable conditions (thermal and air quality perspectives) are provided to its visitors and inhabitants both indoors and outdoors.
- to adopt basic demand side management strategies mainly through urban planning and building design in order to reduce peak loads and unnecessary levels of energy consumption.
- to capitalise on the experience developed in the Expo'98 area in order to convey the results to other areas in the country and in Europe, through information at different levels.
- to create a structure able to monitor the whole system for the EXPO'98 area.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support:	112.756 ECU	Eligible cost:	173.471 ECU
-------------	-------------	----------------	-------------

Contact

Co-ordinator: CENTRO PARA A CONSERVAÇÃO DE ENERGIA
Address: ESTRADA DE ALFRAGIDE, PRACETA 1, ALFRAGIDE
2720 ALFRAGIDE
PORTUGAL

Responsible: JORGE MENDONÇA E COSTA
Tel: 351 1 4718210
Fax: 351 1 4711316
Email:

Participants: COWI CONSULT
ETSU
PARQUE EXPO'98
SODEAN

DANMARK
UNITED KINGDOM
PORTUGAL
ESPAÑA

Action Nr: STR-0785-1996-GB

Starting Date: 31-May-97

ONGOING

Aims and objectives

This action aims at designing an information dissemination strategy on EU energy efficient technologies to South African Industry, through : an analysis of the technical opportunities for energy efficiency in South African industry, determination of the economic, social and legal environment within which energy efficiency must fit, identification of EC technologies that meet the needs and wants of South African Industry, designing of an information dissemination programme for EU energy efficient technologies to promote these technologies to South African Industry, and recommendation for an information dissemination mechanism to promote the uptake of EC energy efficient technologies in that sector.

Description

This project will gather information on energy use in South African Industry; review the market for energy efficient equipment; gather information for dissemination, and design an information dissemination programme for the effective promotion of EU energy efficient technologies in SA industry.

Expected Results

This action will identify concrete opportunities for EC equipment manufacturers to supply energy efficient equipment and services to industry in South Africa, and result in the design of an adequate dissemination strategy to promote the market uptake of those technologies. Based on the strategy designed, a further action will propose the concrete implementation of such strategy.

 Business-Mission

 Seminar

 Workshop

 Exhibition-stand

 Conference

 Training

 Exhibition

 Publication

 Audit-assessment

Study

 Electronic Catalogue

 Other

Finance

EU Support: 64.000 ECU

Eligible cost: 97.953 ECU

Contact

Co-ordinator: ETSU
 Address: HARWELL 156
 OX11 ORA DIDCOT
 UNITED KINGDOM

Responsible: COLIN MCNAUGHT
 Tel: 44 1235 43 6685
 Fax: 44 1235 43 3961
 Email:

Participants: NOVEM

NEDERLAND

EVALUATION OF THERMIE DISSEMINATION ACTIONS WITHIN IBERIC PENINSULA COUNTRIES

ALL
GEN

Action Nr: STR-0786-1996-PT

Starting Date: 01-Feb-97

ONGOING

Aims and objectives

Assessment of the impact of THERMIE dissemination activities (1990-1994) with special reference to awareness of financing schemes

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

There are three phases to this task as follows:

Phase 1: Identification of the target groups and dissemination actions held in the consortium countries (Portugal and Spain), as well as of its targeted groups.

Phase 2: Preparation and mailing of a questionnaire (common to two countries) directed to the targeted groups of the several dissemination actions.

Phase 3: treatment of the obtained information, within each consortium member country, and its integration in a unique final report.

Expected Results

The aim is to conclude on the failure/success reasons as well as to quantify the achieved success on the dissemination of innovative energy technologies and new financing schemes and to identify the opinions of the targeted audience concerning their expectations on these dissemination actions. The results of this project will enable the consortium members, at present, to evaluate the effects of the dissemination actions undertaken once they can qualify its results. It will also permit, in future, if necessary, the establishment of new guidelines concerning the target audiences and structure of the dissemination actions, as well as to identify new methodologies of disseminating innovative energy technologies and new financing schemes.

Finance

EU Support:	57.200 ECU	Eligible cost:	114.400 ECU
-------------	------------	----------------	-------------

Contact

Co-ordinator:	CENTRO PARA A CONSERVAÇÃO DE ENERGIA	Responsible:	JORGE MENDONÇA E COSTA
Address:	ESTRADA DE ALFRAGIDE, PRACETA 1, ALFRAGIDE 2720 ALFRAGIDE PORTUGAL	Tel:	351 1 4718210
		Fax:	351 1 4711316
		Email:	
Participants:	INSTITUTO PARA LA DIVERSIFICACION Y AHORRO DE LA ENERGIA		ESPAÑA

PROMOTION OF ENERGY EFFICIENT TECHNOLOGY IN THE HIGH TEMPERATURE INDUSTRIES IN THE CENTRAL AND EASTERN EUROPEAN COUNTRIES

RUE

EI

Action Nr: DIS-0788-1996-GR

Starting Date: 01-Nov-96

ONGOING

Aims and objectives

- * to promote energy efficient technologies in energy intensive industries, namely in ceramic-glass, cement and baking industries, established in EU as well as in Central and Eastern Europe.
- * to contribute in the reduction of the polluting emissions (CO₂, NO_x and SO₂) generated in the High Temperature Industrial Furnaces of the above industries, encouraging therefore the protection of the environment throughout Europe.
- * to transfer know-how as well as technology from Member States of EU in Bulgaria and Hungary, enabling therefore the strengthening of the cooperation of these countries with EU member States.
- * to reduce the barriers to introduce these technologies in SMEs.

Description

main tasks:

Task 1. Preparation and publication of a maxi-brochure
(Data collection; preparation of the final documents; printing-reproduction)

Task 2. Training Courses.

(Identification of audience and experts - establishment of a targeted mailing list, preparation of the additional training course material, dissemination of the event, preparation of the TCs, realization of the TCs, evaluation).

Task 3. Dissemination of the results

(through the specific and the general public press, mailing to targeted audience - preparation of a targeted mailing list, the internet network)

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Expected Results

The major results will be:

- * deeper knowledge on the existing new technologies in the sector
- * reduction of the manufacturing cost
- * revitalization of scientific industrial activities
- * reduction of CO₂ emissions
- * improvement of products quality (stabilization)

The transfer of knowledge about newly developed technologies and demonstration projects will enhance the competence in the member companies and will motivate them to put priority on energy efficiency technologies.

Finance

EU Support:	95.000 ECU	Eligible cost:	160.000 ECU
-------------	------------	----------------	-------------

Contact

Co-ordinator:	CENTER FOR RENEWABLE ENERGY SOURCES	Responsible:	THEOCHARIS TSOUTSOS
Address:	19TH KM ATHINON MARATHONOS AVE. 190 09 PIKERM ELLAS	Tel:	30 1 60 39 900
		Fax:	30 160 39 904 /11
		Email:	
Participants:	ASS. POUR LE DÉVELOP. DE L'ENS. ET DE LA RECHERCHE EN SYST. APPL INSTITUTO SUPERIOR TECNICO THE IMPERIAL COLLEGE OF SCIENCE, TECHNOLOGY & MEDECINE	FRANCE PORTUGAL UNITED KINGDOM	

Action Nr: DIS-0789-1996-GB

Starting Date: 15-Feb-96

COMPLETED

Aims and objectives

To organise a conference on European Urban Transport where the results of the JUPITER project and those of other demonstration projects will be presented, highlighting in particular the importance of a targeted approach and intermodality.

Description

The conference programme consisted of four technical sessions: (1) The potential for the application of soft transport policies, (2) the development of an efficient transport strategy in Bilbao, (3) intermodality in cities public transport, (4) rational use of energy in transport.

Speakers represented the following interest: European Parliament; Committee of the Regions, European Commission DGVII and DGXVI, city of Bilbao and the Basque Regio, cities participating in the JUPITER project in the THERMIE programme, cities participating in the OPIUM and CARNAE projects in the Urban Transport programme, Spanish energy agencies and UITP.

Achieved Results

The conference attempts assist indirectly in the development of the market for energy-saving technologies in urban transport.

Through the presentation on results of THERMIE Targeted Projects, the exchange of information on important topics has facilitated the promotion of best practice on efficient development of transport technologies.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support: 42.500 ECU

Eligible cost: 0 ECU

Contact

Co-ordinator: TRANSPORT AND TRAVEL RESEARCH LTD
Address: BORE STREET 16
WS13 6LL LICHFIELD
UNITED KINGDOM

Responsible: D.A. BLACKLEDGE
Tel: 44 1543 416 416
Fax: 44 1543 416 681
Email: 100664.421@compuserve.com

Participants: AYUNTAMIENTO DE BILBAO

ESPAÑA

Action Nr: SME-0791-1996-DE

Starting Date: 01-Jan-97

ONGOING

Aims and objectives

Promotion of applicable EU upstream technologies, mainly for deep drilling and gas production, via a technical workshop to be held in Vienna, January 1997.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The action will comprise a workshop in Vienna on "European Technologies for Drilling and Production in Deep Gas Fields" including topics as drilling technologies (deep drilling for gas); deep gas production technologies; corrosion protection for producing facilities.

Expected Results

Sales of EU companies with technologies applicable to the upstream gas sector will be increased as will their exports outside the EU. By improving the economics of gas exploration; production and distribution through the promotion of these EU technologies, the availability and security of the EU's gas supplies at a competitive price will be improved. Due to the lower carbon content and the 5-10% higher energy efficiency of gas-fired plants compared to other fossil fuels, CO2 emissions will be decreased by up to 25-40%. By using gas instead of oil or coal, the negative environmental impact will be decreased in general. As the attraction of gas leads to higher gas dependence, it will be increasingly important to maximise the security of gas supplies. The EU must cost-effectively exploit its own resources and broaden its choice of external sources.

The proposed action will facilitate the achievement of these goals by promoting EU technologies that extend field life and facilitate production and exploration in the EU and in other potentially important suppliers. Furthermore, reducing the cost of the EU's own supplies enhances the EU's competitive position, whilst strengthening its strategic options. Since SMEs are strongly represented amongst EU companies that sell technology applicable to the upstream gas sector, they will benefit disproportionately from this task.

Finance

EU Support: 38.965 ECU

Eligible cost: 0 ECU

Contact

Co-ordinator: GOPA-CONSULTANTS
Address: HINDENBURGRING 18
61348 BAD HOMBURG
DEUTSCHLAND

Responsible: MR. SAUTER SERVAES
Tel: 49 6172 9300
Fax: 49 6172 35046
Email: f_sauter_servaes@gopa.de

Participants: O.Ö. ENERGIESPARVERBAND
OPET CESEN COMERINT

ÖSTERREICH
ITALIA

PRODUCTION OF MULTIMEDIA, INTERACTIVE, SME ORIENTED CD-ROM ON WIND ENERGY TECHNOLOGIES

RES

WE

Action Nr: SME-0792-1996-BE

Starting Date: 15-Apr-97

ONGOING

Aims and objectives

The aim of the task is to provide, in a multimedia format, a wide range of technical, economic and practical information concerning Wind Energy Technologies particularly those which have been demonstrated successfully in the framework of E.C. supported programmes. A CD-ROM will provide all interested users with usefull information on the most advanced R&D and demonstration projects, the best available markety technologies, developers and suppliers, innovative projects in the sector , cost effectiveness, key figures for environmental benefiots etc. and will contribute substantially to the protection of the environment and tio the promotion of one of the most innovative energy producing technology.

Description

The task will be executed in 5 phases :

Phase 1: Definition of contents/collection of the data

Phase 2: Selection & updating of data, re-writing abstracts, translations

Phase 3: Preparation of graphics-digital processing of selected dataPhase 4: preparation of the CD-ROM master-copy

Phase 5: Publishing of the CD-ROM (+ distribution).

The CD-Rom consist of general introductory information about the Wind Energy Technologies - an exhaustive analysis of the sector; This information will include : basic general descriptions, existing state-of-the-art and advanced technologies, where available energy and economic evaluation, environmental impact, socio-economic benefits, results of demonstration and R&D advanced projects, development possibilities in the future, selection of parameters and information for decision makers principles and design guidance on specific technologies, advantages and problems, suppliers lists and local information centres (Associations), EU statistics, EU Programmes, EU Directives and recommendations in the field. the environmental impact will be particularly addressed.

It includes written texts, spoken texts, photos, diagrams, videos, cartoons, films, 3D animations and Virtual Reality effects organised in such a way as to provide an attractive, coherent and comprehensive display of easily accessible information. Visual information is favoured in order to reduce language barriers. A special porgramme converting text to speech will allow all the basic written text on the CD-ROM to be also spoken allowing the

Expected Results

The preparation and distribution of this CD-ROM to a targeted audience will bring : easy access to, and understanding of the relevant existing information in the sector of Wind Energy technologies, increased possibility of solving specific problems using the adequate technical and economical best available technology, improved awareness of decision makers for existing alternatives towards solving energy and environmental problems by using innovative European Wing Energy technologies, faster development of Wind Energy industries, promotion of European interregional partnerships among SMEs through the available international information on the CD-rom, an introduction to an energy technology who's use will lead to reduction of CO2 and other "greenhouse gas" emissions and environmental pollution, contribution to socio-economic cohesion by promoting more economic and better performing Wind Energy technologies in EU Member States, a reference tool for teaching and training activities, a compendium for Wind Energy Systems designs, operations and maintenance, wind regions for various sites of windfarms in EU countries, production figures & cost effectiveness of various farms in relation to windspeed regions and the various windturbine manufacturers, impact on landscape & noise production figures for various locations of windfarms, for planning authorities : a strategy for choosing sites for windfarms.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support: 120.000 ECU

Eligible cost: 242.340 ECU

Contact

Co-ordinator: LIOR E.E.I.G.

Address: AVENUE AD. LACOMBLÉ 66
1040 BRUSSELS
BELGIQUE

Participants: ENERGY CENTRE DENMARK

Responsible: ERIC DAMIENS

Tel: 32 2 737 77 88

Fax: 32 2 732 66 08

Email:

DANMARK

SUPPORT OF INTERNATIONAL CONFERENCE "LIGHT '96", LEIPZIG, GERMANY, 2-4 OCTOBER 1996

RUE

BU

Action Nr: DIS-0794-1996-DE

Starting Date: 01-May-96

COMPLETED

Aims and objectives

At the bi-annual International Congress "Light '96" to be held in Leipzig, Germany, from 2-4 October 1996, innovative technologies in the field of lighting will be presented. The aim of the action is to underline the commitment of the EU for energy-efficient lighting technologies. The main objectives are to enable experts, especially from Central and Eastern Europe, to participate at this important event.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

- * Identification of competent participants bearing responsibility in the field of lighting in Central and Eastern European Countries.
- * Organising the participation of these experts including travel arrangements etc.
- * Supporting the Local organisation in Leipzig.
- * Organisation and staffing of a THERMIE information stand in the lobby of the conference.

Achieved Results

The conference was successfully carried out. The main achievements were :

- * Promotion of efficient lighting technology
- * Enhanced access to Eastern European markets.
- * Awareness on THERMIE Programme.

Finance

EU Support: 58.000 ECU

Eligible cost: 116.000 ECU

Contact

Co-ordinator: GOPA-CONSULTANTS
Address: HINDENBURGRING 18
61348 BAD HOMBURG
DEUTSCHLAND

Responsible: MR. SAUTER SERVAES
Tel: 49 6172 9300
Fax: 49 6172 35046
Email: f_sauter_servaes@gopa.de

Participants: LICHTTECHNISCHE GESELLSCHAFT ÖSTERREICH

ÖSTERREICH

TECHN. AND KNOW-HOW TRANSFER ON RATIONAL USE OF ENERGY IN PUBLIC BUILDINGS AND INFRASTRUCTURES

RUE
BU

Action Nr: DIS-0796-1996-IT

Starting Date: 01-Dec-96

COMPLETED

Aims and objectives

Promote a technology and know-how transfer on RUE from countries of the EU to the Republic of Albania in order to promote within the Public Administrations and Institutions, which are responsible of the operation of large infrastructures and buildings, interventions or actions leading to the energy saving in the civil sector.

Description

Preparation and execution of three seminars on the "Rational Use of Energy" in buildings and infrastructures. The seminars are addressed to the responsible of large Infrastructures and buildings such as hospitals, schools, airports, administrations headquarters, etc. The documentation of the various themes treated in the seminars aims to maximize the technology and know how transfer.

Achieved Results

The context of the training activity as well as the effort put by the contractor and especially by the Albanian counterpart proved that the action succeeded in its intent to raise awareness.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support: 79.000 ECU

Eligible cost: 100.000 ECU

Contact

Co-ordinator: ASSOENERGIA SRL
Address: VIA S. D'AMICO 40
00145 ROME
ITALIA

Responsible: SILVANO LORETO
Tel: 06 5403383
Fax: 06 59601266
Email: asso.energia@flashnet.it

Participants: ICAEN
NATIONAL HEATING AGENCY OF REPUBLIC OF ALBANY

ESPAÑA
ALBANIA

Action Nr: STR-0797-1996-NL

Starting Date: 15-Nov-96

COMPLETED

Aims and objectives

In view of the increasing number of EU energy co-operation activities with Southern Africa countries, and of the important opportunities this region can offer in terms of receptive markets for EU clean and efficient energy technologies, a high-level EU Southern Africa Conference is proposed in this action. The essential aim of this conference was to demonstrate the EU's commitment to joint EU-SA activity with mutual benefit and, simultaneously, to highlight the key energy fields where the EU is best positioned to make an effective contribution to the sustainable development in the region and where the EU industry is most likely to benefit from the opportunities.

Description

The conference, held at the ESKOM Conference Centre in Midrand (South Africa), consisted of a one-day plenary session followed by three parallel sessions held over the following two days.

The plenary session covered political issues:

- * Objectives, aims and instruments of EU energy policies and those of the countries of Southern Africa.
- * The necessity of cooperation in these policy field.
- * Establish a platform/body for a continued cooperation between EU and Southern Africa.

The parallel sessions dealt with technological and management aspects of energy efficiency in industry, renewable energy technologies and clean coal applications.

In total there were 157 participants from the EU and Southern Africa countries (energy decision makers at government departments, executive level of energy technology manufacturing industry, business development managers in the power generating industry, engineering consultants, energy development agencies, professional associations, etc.)

Achieved Results

Conference presentations and discussions confirmed a strong commitment for joint, mutual-beneficial EU-SADC region energy coop., its benefits and constraints. Based on principal discussions at the technical workshops the participants agreed on a list of concrete recommendations for joint EU-SA activity. In addition, this event has helped to strenght the cooperation between the EU and Southern Africa and lasting contacts on the transfer of energy technology will undoubtedly create opportunities for the EU industry.

The action is expected to have encouraged to concrete investment projects in innovative energy technologies in Southern Africa, resulting from EU-SADC collaboration. Several agreement for joint activity are in fact being set up.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support: 165.000 ECU

Eligible cost: 255.000 ECU

Contact

Co-ordinator: NOVEM
Address: PO BOX 17
6130 AA SITTARD
NEDERLAND

Responsible: T.VAN ROSSUM
Tel: 31 46 420 22 34
Fax: 31 46 452 82 60
Email: nl novtur@ibmmail.com

Participants: EAB ENERGIE-ANLAGEN BERLIN GMBH
ETSU

DEUTSCHLAND
UNITED KINGDOM

DISSEMINATION OF LANDFILL GAS UTILISATION (FOLLOW-UP OF DIS/117/95)

RES**BM**

Action Nr: DIS-0799-1996-NL

Starting Date: 01-Mar-97

ONGOING

Aims and objectives

The final goal of the project is to favour the start-up of a support system for landfill gas (LFG) utilisation in Finland, Spain, Italy and Portugal, starting from the successful Dutch example of a Landfill Gas Advisory Centre. The results of the feasibility study to be carried out under Phase I of the contract DIS-0117-95 will be discussed in above mentioned countries with the responsible parties in government and energy and waste Cies, guided by the respective co-proposers, in order to find the optimal route for support of LFG utilisation in their countries.

Description

A workshop with exhibition for LFG industry will be organised in each of these countries in collaboration between Novem and the respective co-proposer and other parties to present the support structure, available technologies and the guidebook on LFG utilisation (phase II of contract DIS-0117-95).

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Expected Results

Improved awareness and real increase in landfill gas utilisation.

Finance

EU Support:	145.600 ECU	Eligible cost:	224.000 ECU
-------------	-------------	----------------	-------------

Contact

Co-ordinator: NOVEM

Address: PO BOX 8242
3503 RE UTRECHT
NEDERLAND

Responsible: K. KWANT

Tel: 31 30 2393458

Fax: 31 30 2316491

Email: nlnovkwk@iommail.com

Participants: CENTRO PARA A CONSERVAÇÃO DE ENERGIA
CIEMAT
EKONO ENERGY LTD
NATIONAL AGENCY FOR NEW TECHNOLOGY, ENERGY AND THE
ENVIRONMENTPORTUGAL
ESPAÑA
SUOMI
ITALIA

ARABIAN GULF CONFERENCE ON EUROPEAN OIL AND GAS TECHNOLOGIES. 13-14 OCTOBER 1997, BAHRAIN

FF

OG

Action Nr: SME-0800-1996-NL

Starting Date: 01-Aug-96

ONGOING

Aims and objectives

To provide a platform for promotion of innovative European technologies and the transfer of technology to the strategically important oil and gas producing region of the Middle-East.

Business-Mission

Seminar

Workshop

Exhibition-stand

Description

Within the framework of the Gulf Cooperation Council - EU cooperation agreement this will be the first GCC-EU Conference on Advanced Oil and Gas Technologies in Bahrain.

After confirmation of the technical sessions themes, the speakers are identified and selected. The programme is then distributed in the Arabian Gulf and in the EU.

Arrangements are made for the booth, meetings rooms and conference dinner. After the event, preparation of the proceedings and follow-up action.

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Expected Results

The event will provide export opportunities for European technologies and products in this important HC province, and will cement relations between the EU and the states of the Gulf Cooperation Council.

Finance

EU Support: 60.000 ECU

Eligible cost: 90.000 ECU

Contact

Co-ordinator: ASSOCIATION OF DUTCH SUPPLIERS IN THE OIL AND GAS INDUSTRY

Responsible: G.G. HUTJES

Tel: 31 79 341 19 81

Address: ENGELANDLAAN 330
2711 DZ ZOETERMEER
NEDERLAND

Fax: 31 79 341 97 64

Email: iro@x54all.nl

Participants: CENTRE FOR MARINE AND PETROLEUM TECHNOLOGY

UNITED KINGDOM

Action Nr: STR-0801-1996-GB

Starting Date: 01-Jan-97

ONGOING

Aims and objectives

This follow-up action (previous action DIS-150-95-UK) aims at identifying in C&EE and NIS countries energy efficiency projects matching EBRD's Energy Efficiency Unit criteria. It also aims at : -facilitating the transfer of EU energy technologies to C&EE and the NIS. -demonstrate the value of EU energy technologies to relevant organisations in the recipient countries. -reinforce the cooperation between THERMIE and the EBRD.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The project will follow the methodology established in the previous projects, i.e.:

- identifying a "long-list" of 20-30 projects
- "filtering" to obtain a short-list of 5-6 projects
- developing bankable projects according to EBRD's criteria
- identifying EU technology suppliers
- dissemination of results

Expected Results

In the industry sector of Ukraine, work has continued on developing projects to be financed by the newly established ESCO. In the DH sector work is about to start on investigating projects in 9 cities which have been identified as good prospects in previous TACIS projects. A small amount of work has been carried out in the DH sector in Russia to highlight institutional and legal barriers as a fore-runner to a forthcoming TACIS project. Investigation will also be conducted in Central Asia countries in line with EBRD's energy efficiency Unit's priorities.

Finance

EU Support:	295.000 ECU	Eligible cost:	660.000 ECU
-------------	-------------	----------------	-------------

Contact

Co-ordinator:	MARCH CONSULTING GOUF	Responsible:	I.R. BAILEY
Address:	TELEGRAPHIC HOUSE, WATERFRONT 2000, SALFORD QUAYS M5 2XW MANCHESTER UNITED KINGDOM	Tel:	44 161 872 36 76
		Fax:	44 161 848 01 81
		Email:	
Participants:	BCEOM SYNERGIA	FRANCE ELLAS	

PREPARATORY ACTION FOR DEMONSTRATION OF AN ENERGY IMPACT KNOWLEDGE BASED SYSTEM (EIKS)

RUE

BU

Action Nr: STR-0804-1996-NL

Starting Date: 01-Jan-97

ONGOING

Aims and objectives

The proposed action forms the preparatory phase of the EIKS (Energy Impact Knowledge System) initiative. The EIKS initiative comprises a demonstration (and possibly also a RTD) project that is aimed at overcoming barriers in the current building process that hinder the realisation of optimal energy efficiency in buildings. This will be accomplished by developing a knowledge based assistive information and decision support system that will guide designers, engineers, building operation managers etc. to the application of best practices and best available technologies. The EIKS initiative is expected to result in energy savings of 20% in new and refurbished buildings. It is expected that the THERMIE B action will determine energy related barriers, best building practises and best technological knowledge within the EU building sector. The results of this action could be detailed proposal for a THERMIE A demonstration project.

Description

There are 4 tasks in this project:

Task 1: Preparatory work which will clearly define the concepts that will form the focal points of the thematic workshops.

Task 2: 20 international thematic workshops in four different Member States.

Task 3: Defination of information and decision support system (- and build and test an applicable pilot version of the EIKES system).

Task 4: Defination of co-operative workprogramme(s) - to define a detailed THERMIE A project proposal for the demonstration of real energy efficient buildings designed by using the pilot version of the system.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Achieved Results

- Organisation of workshops with experts
- Results discussed with consortium members
- Build the first draft of the knowledge based system

Finance

EU Support:	200.000 ECU	Eligible cost:	400.000 ECU
-------------	-------------	----------------	-------------

Contact

Co-ordinator:	TEBODIN B.V.	Responsible:	DR. IR. L.J. KUIJVENHOVEN
Address:	LAAN VAN NIEUW OOST-INDIË 25 2500 BA THE HAGUE NEDERLAND	Tel:	31 70 3480911
		Fax:	31 70 3480645
		Email:	
Participants:	BRECSU OF BRE	UNITED KINGDOM	
	HADEN YOUNG LTD	UNITED KINGDOM	
	INSTITUTO DE CIENCIAS DE LA CONSTRUCCION "EDUARDO TORROJA"	ESPAÑA	
	TECHNISCHE UNIVERSTITEIT EINDHOVEN	NEDERLAND	

SUPPORT TO THE DEVELOPMENT AND IMPLEMENTATION OF THE WORLD BANK SOLAR PV INITIATIVE (FORMERLY THE GREEN CARROT)

RES**PV**

Action Nr: STR-0805-1996-GB

Starting Date: 01-Sep-96

ONGOING

Aims and objectives

To provide EC input to the planning process of the World Bank/IFC with the development of the new initiatives. This will involve the gathering, documentation and presentation of European perspective

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The World Bank/IFC proposed a major new initiative to stimulate the growth of PV systems primarily in developing (third) countries. The initiative is a major opportunity for the European PV industry to accelerate their business growth. It is important that the proposed financing mechanism is developed in a way to provide fair opportunity for all potential bidders including European organisations. This action will act as a conduit for some of the expertise and experience already built up in European programmes to be transferred to the World Bank development team.

Expected Results

The main results will be:

* information exchange and provision of expert European advice to the World Bank/IFC.

* Terms of Reference and evaluation criteria for the project action are fair to all bidders including European organisations.

The PVMTI will offer significant business opportunities through the creation of self-sustaining PV markets in developing countries which provide opportunity for joint ventures, training and equipment supply. The PVMTI will be supported by US\$30 million of GEF funds and it is eager to cover out 3 times the amount of private funding. It is expected that the PVMTI and this project will lead to a significant number of investment opportunities. The whole point of the PVMTI is to do just that.

Finance

EU Support: 106.321 ECU

Eligible cost: 141.761 ECU

Contact

Co-ordinator: ETSU
Address: HARWELL 154
OX11 ORA DIDCOT
UNITED KINGDOM

Responsible: H.G. PARKINSON
Tel: 44 1235 43 3462
Fax: 44 1235 43 2331
Email: henry.parkinson@abat.co.uk

Participants: TSU TUV RHEINLAND SICHERHEIT UND UMWELTSCHUTZ GMBH DEUTSCHLAND

Action Nr: SUP-0811-1996-FR

Starting Date: 01-Jan-97

ONGOING

Aims and objectives

The task constitutes a follow-up of the Marrakech seminar in November 1995 and intends to implement three of the recommendations formulated in its conclusions. The objective is to analyse in detail the role and prospective for DRE in four countries and to draw up project pre-screenings as to submit to financing institutions. To this end, a comprehensive screening will be undertaken using a multicriteria approach as to select three most suitable countries (regions). In-country studies will be conducted for those as to assess potential for a co-operation on a DRE-scheme. The final step will be the edition of a strategic document, opening options for implementation of recommendations done. Countries covered : Benin, Equador, Paraguay, Vietnam.

Description

Three tasks make up this project:

Task 1: Selection of the country and definition of the programme including elaboration of screening criteria.

Task 2: In-country studies after first questionnaire of expression of interest.

Task 3: Follow-up and recommendations.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Expected Results

The expected results will be the promotion of technology related to DRE. It is expected that there will be good prospects for long term impact. This phase should lead to the identification of most suitable local actor in selected countries and to provide strategies for the development of large scale rural electrification programmes.

Finance

EU Support: 122.000 ECU

Eligible cost: 190.000 ECU

Contact

Co-ordinator: ADEME
Address: 27 RUE LOUIS VICAT
75015 PARIS
FRANCE

Responsible: BERNARD DEVIN
Tel: 33 1 47652021
Fax: 33 1 46420558
Email:

Participants: INSTITUTO PARA LA DIVERSIFICACION Y AHORRO DE LA ENERGIA ESPAÑA

Action Nr: DIS-0813-1996-BE

Starting Date: 01-Jan-96

COMPLETED

Aims and objectives

CLIMA 2000-BRUSSELS 1997 will identify the challenges that will be encountered by HVAC in the next century especially in the field of energy conservation, rational use of energy in buildings, including renewable sources of energy and environmental protection.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

CLIMA 2000 is the only international world-wide HVAC congress and is organised every 4 years. The programme includes 10 technical sessions, a permanent poster session with 154 papers and 2 technical visits (European Parliament and European Ministers' Council).

Achieved Results

The Conference had an high international profile. The 151 selected papers came from 34 different countries, and the 425 participants from 42 countries. In total , 55 different countries were represented. The sessions covered the following fields : Indoor environment; HVAC applications in commercial buildings; energy, environment and economies; control; refrigeration; building physics; experimental methods applications. The diffusion of the knowledge gathered and generated by the Congress will be ensured by the dissemination of a CD-ROM which includes the 151 selected papers and the summaries of the discussions.

Finance

EU Support: 137.500 ECU

Eligible cost: 275.000 ECU

Contact

Co-ordinator: ASS. ROYALE TECHNIQUE DE L'INDUSTRIE DU CHAUFFAGE ET DE LA VENTI

Responsible: JEAN NOUWYNCK
Tel: 32 2 2873635

Address: RUE BROGNIEZ 41
1070 BRUSSELS
BELGIQUE

Fax: 32 2 2873636
Email:

Participants: FEDERATION OF EUROPEAN HEATING AND AIR CONDITIONING ASSOCIATIONS

NEDERLAND

PUBLICATION OF A NEWSLETTER FOR DISSEMINATION OF INFORMATION DIRECTLY TO ENGINEERS ABOUT ENERGY-CONSERVING DESIGN.

Action Nr: DIS-0815-1996-NL

Starting Date: 01-Nov-96

ONGOING

Aims and objectives

To assist the THERMIE programme for dissemination of information directly to engineers about energy-conserving design.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

There are 4 tasks to this action:

Task 1: Recruitment of a professional editor and journalist.

Task 2: Redesign of Newsletter to incorporate more information about THERMIE projects and there results.

Task 3: Presentation of the re-designed Newsletter at REHVA's CLIMA 2000 Congress in Brussels.

Task 4: 2 Issues including a questionnaire, distributed to 2000 readers. Evaluation of results.

Expected Results

It is expected that the results will be an improved awareness of energy-conserving techniques amongst the key sector of practising engineers and a faster rate of incorporating these techniques into widely accepted procedures for manufacturers, design, installation or operating of heating, ventilating and airconditioning components and systems? Engineers should also become more effective in influencing architects, landlords and developers to accept changes in building specifications which improve energy conservation.

Finance

EU Support:

40.000 ECU

Eligible cost:

60.000 ECU

Contact

Co-ordinator: FEDERATION OF EUROPEAN HEATING AND AIR CONDITIONING ASSOCIATIONS

Responsible: WIM OUDIJN
Tel: 31 33 634388

Address: POSTBOX 1269
3800 BG AMERSFOORT
NEDERLAND

Fax: 31 33 63 70 50
Email:

Participants: ASOCIACION TECNICA ESPANOLA DE CLIMATIZACION Y REFRIGERACION
CHARTERED INSTITUTION OF BUILDING SERVICES ENGINEERS

ESPAÑA
UNITED KINGDOM

Action Nr: DIS-0817-1996-FR

Starting Date: 19-Dec-96

COMPLETED

Aims and objectives

The scope of this action is to produce a movie on video tape translated into 3 EU languages (FR, SV and ES). The objectives are mainly to demonstrate the opportunity of Combined Transport as an efficient and attractive alternative to road transportation.

The video illustrates, through 2 or 3 case studies, the financial benefits of Combined Transport for transportation companies, in particular small ones, and at the same time to focus on energy savings aspects at micro- and macro levels.

Description

The project is a movie which describes the advantages of the combined transport of goods for international routes. According to different schemes it shows how the goods are transferred in order to be more competitive and attractive than road transport. The demonstration includes ferries to link Spain, to Sweden and the removal of boogies at the french spanish border. This aspect is quite important to convince the potential users. The movie includes the time table, average speed, in comparison with road trip which takes into account the european social regulation.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Achieved Results

The video has been produced and will help operators and companies to have a better knowledge in :

- new traffic of goods thanks to combined transport
- purchasing of infrastructure facilities (railway and operators)
- production investment to built up combined transport mobiles
- investment facilities of the different operators involved in TC such as cranes, information and operation software, parking places.
- Investment of users in particular TC equipments
- New terminals for TC
- New or improvement of railways infrastructures of the different railways companies.

Finance

EU Support: 50.000 ECU

Eligible cost: 79.100 ECU

Contact

Co-ordinator: ADEME LANGUEDOC ROUSSILLON
Address: 205 RUE DE L'ACROPOLE LE PARTHENA II - ANTIGONE
34000 MONTPELLIER
FRANCE

Responsible: MARTINE CHEYLAN
Tel: 33 4 67 99 89 79
Fax: 33 4 67 64 30 89
Email:

Participants: SDAB
TSU TUV RHEINLAND SICHERHEIT UND UMWELTSCHUTZ GMBH

SVERIGE
DEUTSCHLAND

POTENTIALITIES FOR EU SOLAR TECHNOLOGIES IN CABO VERDE

RES
SE

Action Nr: DIS-0819-1996-PT

Starting Date: 02-Dec-96

COMPLETED

Aims and objectives

The action aims to promote EU solar technologies in Cabo Verde, and facilitate a wider access to information on the potential of this market for solar (thermal and passive) technologies thus contributing to new market opportunities for the EU suppliers and manufacturers of equipment

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The action comprises:

Task I - Market study on potentialities for EU solar technologies in Cabo Verde which will include the assessment of the market for solar-thermal passive systems, the identification of the main barriers to the uptake of the relevant technologies, identification of existing financial schemes and definition of an effective strategy for the promotion of the use of EU solar thermal/passive system in Cabo Verde.

Task II - Organization of a workshop - a two days business workshop in Cabo Verde. To promote the findings of the market study among EU solar technology manufacturers and experts and C.Vert decision makers, including at municipal level. These findings were summarized in a "Guide of investment Opportunities for Solar Technologies in C. Vert"

Achieved Results

It is expected with this project to have created opportunities to implement new concrete investment projects in the future and that some EU solar technologies can, in the future, be transferred to Cabo Verde through joint-ventures and other agreements incorporating the local manpower.

Finance

EU Support: 70.000 ECU Eligible cost: 100.519 ECU

Contact

Co-ordinator: CEEETA PARTEX CPS
Address: RUA GUSTAVO DE MATOS SEQUEIRA 28 - 1° DTO
1200 LISBOA
PORTUGAL

Responsible: ANIBAL FERNANDES
Tel: 351 1 395 60 19/20
Fax: 351 1 395 24 90
Email: ceeeta@mail.telepac.pt

Participants: COWI CONSULT

DANMARK

ELABORATION AND PRODUCTION OF AN ACTIVE DATA BASE OF FINANCIAL INSTRUMENTS FOR ENERGY TECHNOLOGIES IN THE EUROPEAN UNION

ALL
GEN

Action Nr: DIS-0820-1996-PT

Starting Date: 01-Jan-97

ONGOING

Aims and objectives

The aim of the project is the development and production of a database on financial instruments for energy technologies in the European Union. Our objective is to give the material possibility to users and producers of energy technologies to have a quick and simple access to information on the available financial instruments at the European Union level. The final product will be the compilation of database and its dissemination using a CD-ROM and INTERNET site with periodic actualisation. The energy technologies taken into account will be those covered by the JOULE-THERMIE Program.

Description

Phase I: - collection of information available at EU level

- characterization of users and producers of energy technologies
- definition of database contents, structure and navigation rules

Phase II:- Preparation of the master CD-ROM

- Analysis of strategic dissemination
- Definition of a strategy for actualization

Phase III Identification of countries for which national information incorporation is desirable

- Repetition of steps taken in tasks I and II for the selected countries
- Promotion of the database in CD-ROM and Internet formats

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Expected Results

It is expected that the availability of the information provided in this database will contribute to the increase of the use of efficient energy technologies, through the better information of users and producers. It is also expected that it could optimize the impact of the EU programmes and actions through the enlargement of their potential users. At the end it will be a useful tool for the energy policy maker, providing the full vision of the instruments available.

The potential "clients" of energy technologies and the producers of these technologies will have access to exhaustive information on the financial instruments available to support their projects or their activities. The possibilities for them to have a quick and simple access to this information, having the more up to date way to receive this information, will contribute to allow them to find the best way to finance their projects.

Finance

EU Support: 110.000 ECU

Eligible cost: 175.000 ECU

Contact

Co-ordinator: CEEETA PARTEX CPS

Address: RUA GUSTAVO DE MATOS SEQUEIRA 28 - 1° DTO
1200 LISBOA
PORTUGAL

Responsible: ANIBAL FERNANDES

Tel: 351 1 395 60 19/20

Fax: 351 1 395 24 90

Email:

Participants: ENERGY FOR SUSTAINABLE DEVELOPMENT

UNITED KINGDOM

PROMOTION OF PV TECHNOLOGIES FOR WATER PUMPING IN PALESTINE

RES**PV**

Action Nr: STR-0821-1996-FR

Starting Date: 18-Dec-96

COMPLETED

Aims and objectives

Various studies conducted by the Palestinian Energy & Environment Research Center (PEC) indicated an urgent need to provide immediate solutions to improve the life quality for rural areas. A national programme to introduce renewable energy technologies has been set up by the authorities, in particular for rural electrification through photovoltaic applications. The THERMIE initiative, a workshop on European experience and technology best practice, was aimed to contribute to this development through the expansion of the use photovoltaic technology for water pumping purpose for domestic and agricultural appliances. The aim was to provide a platform for exchange and business contacts between relevant partners.

Description

- Preparation of the workshop under consideration of previously undertaken studies, notably by the PEC and by the European Commission;
- Peer review with industrial representatives and local authorities;
- Running of the workshop (Nablus, West Bank, 07.06.1997)

Achieved Results

The workshop, attended by 80 representatives, focused on

- European experience in PV water pumping systems
- Demonstration of applications of Southern Mediterranean countries through industrial representatives
- Financial incentives and schemes.

The workshop's discussions covered technical and financial issues, including economic and environmental benefits. At the time of the seminar, the political situation seemed to favor the creation of joint venture. Concrete joint-venture proposals have been developed following the seminar. However, the follow-up of this activity has been hindered by the political situation implying continuous hesitation of European industry to expand their opportunities.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support: 35.000 ECU

Eligible cost: 55.000 ECU

Contact

Co-ordinator: INTERNATIONAL CONSULTING ON ENERGY
Address: RUE DE PROVENCE 46
75 009 PARIS
FRANCE

Responsible: BERNARD LAPONCHE
Tel: 33 1 48 74 59 73
Fax: 33 1 42 81 39 58
Email: ice@globenet.org

Participants: CEEETA PARTEX GPS
COWI CONSULT

PORTUGAL
DANMARK

IMPROVE FUNCTION/EFFICIENCY OF DISTRICT HEATING SUBSTATIONS BY TRAINING AND EDUCATING TECHNICIANS AND MAINTENANCE

Action Nr: DIS-0823-1996-DK

Starting Date:

COMPLETED

Aims and objectives

The proposed training shall include theoretical as well as practical subjects : Theoretical Training : Concepts for the construction of substations, assessment of the various concepts, advantages/drawbacks under various conditions, component reinforcement of substations including automation, dimensioning of substations, commissioning of substations, assessment of the state of existing substations, various options for renovating substations and their viability, after-sales services, fault-finding. Practical Training : Methodology for registration and documentation of operating improvements, clarification of current operating situation, clarification of feasible improvements and optimization, preparation and follow-up of action plan for improvements and optimization. The teaching material to be developed will take the form of a handbook which can subsequently assist the course members in their daily work. The book will contain details on district heating connections (new installations and renovations), system descriptions, dimensioning, assessment of the condition, alternatives for renovation

Description

The project partners including subcontractors met early September for a kick-off meeting. The roles of the attendants were determined and decided upon: Who shall do what and when. Background material for the training manual to be developed was collected and edited. Having been adjusted, proof-read and approved, the manual was translated into the Latvian language, forming the spine of the 2-week training course held partly in Latvia and partly in Denmark. The course participants were asked to be very critical when reading the manual and to come forward with any complaints or alterations they may suggest for the benefit of future readers of the manual. Following the last adjustments, the training manual was printed and is now ready for distribution to future course participants, to the project partners for use in their everyday promotion work and to other individuals and institutions working in the field of district heating.

Achieved Results

The Action introduced a number of highly qualified technicians to the manufacturers of components used in substations in district heating systems, initial business contacts were made and meetings arranged. Also, it has been planned to hold a follow-up seminar for the course participants to clarify the problems of water treatment and dimensioning. New business partners may be invited to spread and strengthen the good results of the Action. The manufacturers of components as well as the course organisers will use the manual as a sales tool.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support:	80.500 ECU	Eligible cost:	161.000 ECU
-------------	------------	----------------	-------------

Contact

Co-ordinator:	EUROPEAN INSTITUTE OF ENVIRONMENTAL ENERGY	Responsible:	VIBEKE NIELSEN
Address:	DALGAS ALLÉ 1 7400 HERNING DANMARK	Tel:	45 9926 8380
		Fax:	45 9926 8370
		Email:	
Participants:	BRUUN & SORENSEN GROUP A/S DISTRICT HEATING COMPANY "SILTUMS" HALMSTADS ENERGIVERK OY DANFOSS AB	DANMARK LATVIA SVERIGE SUOMI	

METHODS TO IMPROVE THE FLEETS MAINTENANCE POLICY (BROCHURE)

RUE

TR

Action Nr: DIS-0824-1996-FR

Starting Date: 19-Dec-96

ONGOING

Aims and objectives

To carry out a survey in order to define from existing checking devices (smoke tester, gas analyser) operational methods for the calibration of the specific components of the engines (air filter, nozzles, etc.) which are responsible for the fuel overconsumption. The scope is to integrate these methods in preventive maintenance practices.

The results of this survey will be disseminated through the publication of a brochure.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

Disseminate anomaly data records according to the different engines and their use. From the typical defective examples and the consequences on the results such as smoke and gas emissions.

Set up an effective checking method and the devices to use in order to repair or calibrate the part of the engine which is not in good order.

To demonstrate the easiness and the accuracy of specific devices and the improvement of the quality of the maintenance method of the fleet, thanks to the use of such devices at the same time as the checking of other elements of the vehicles.

Expected Results

1) Regarding equipment maker, to improve their products or/and to complete the existing range with "fuel improvement" oriented devices, and offer these equipment to the market.

Expected business: Regarding equipment makers services toward fleets and workshops in order to improve maintenance practices.

2) Regarding workshops, improvement of fuel workshop is an argument towards owners of cars and trucks to let their vehicle to these garages, and to accept the renewal of some spare parts if needed.

4) Regarding training companies (internal/external) to implement these ways of maintenance.

5) Regarding the fleets with a more efficient and clean transport tools, to attract more customers.

Expected:

- creating of new products (equipment makers)
- creating of new software linked to devices and micro computer (equipment and services companies)
- creating of new services concepts (services and garages companies)
- creating of new jobs (training improvement of the quality)

Finance

EU Support:

40.000 ECU

Eligible cost:

62.770 ECU

Contact

Co-ordinator: ADEME LANGUEDOC ROUSSILLON

Responsible: MARTINE CHEYLAN

Address: 205 RUE DE L'ACROPOLE LE PARTHENA II - ANTIGONE
34000 MONTPELLIER
FRANCE

Tel: 33 46 79 98 89 79

Fax: 33 46 76 43 08 9

Email:

Participants: TSU TUV RHEINLAND SICHERHEIT UND UMWELTSCHUTZ GMBH

DEUTSCHLAND

CONSCIOUSNESS-RAISING OF LOCAL AUTHORITIES ON RENEWABLE ENERGIES IN OBJECTIVE 1 REGIONS

RES
GEN

Action Nr: STR-0828-1996-IT

Starting Date: 01-Nov-96

ONGOING

Aims and objectives

The project aims at increasing the awareness of local authorities in 5 Objective 1 Regions on the possibilities and positive aspects of implementing RES projects.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

After the analysis of cases studies of phase 1 on the basis of a methodology close to the ELVIRE model (developed under ALTENER), a communication action will be carried out towards local authorities. It will focus on the contribution of renewable energy projects to improve the land planning and the employment, fight social exclusion, create local public finance flows and also on the means available for these local authorities to develop new projects with RES. Three steps are foreseen in the second phase: a maxibrochure in 4 languages (FR, IT, SP, PO) including examples of projects impacts evaluation, concrete proposals to develop RES projects etc., a targeted communication action from several pilot sites followed by training sessions (2/3 per region), and an evaluation of the action.

Expected Results

Through this communication and training campaign, to reinforce the role of local authorities in the further development of RES applications in objective 1 Regions.

Finance

EU Support: 195.000 ECU

Eligible cost: 230.000 ECU

Contact

Co-ordinator: SOGES SPA.
Address: CORSO TURATI, 49
10128 TURIN
ITALIA

Responsible: MR. ANTONIO MARIA BARBERO
Tel: 39/11/319 08 33
Fax: 39/11/319 02 92
Email:

Participants: AGENCIA REGIONAL DE ENERGIA E AMBIENTE DA REGIAO
AUTONOMA DA MAD
INSTITUT WALLON / ENERGIUM 2000
RÉSEAU DES AGENCES RÉGIONALES DE L'ENERGIE
SODEAN

PORTUGAL
BELGIQUE
FRANCE
ESPAÑA

MANAGEMENT TRAINING AND TRAINING FOR DISTRICT HEATING SPECIALISTS IN MOSCOW

RUE

IN

Action Nr: DIS-0835-1996-FI

Starting Date: 17-Mar-97

COMPLETED

Aims and objectives

Prepare the management of the Russian district heating sector for its new role in a market based economy. A successful training programme is expected to bring about a better understanding of this new role, an improved financial management knowledge and skills, a further development of environmental consciousness and energy efficiency as well as an initiation of intensive business cooperation with EU partners

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

Contents of action is:

- management training for DH management during 3 weeks in Moscow: 24.5 - 30.5, 2.6 - 6.6 and 16.6 - 19.6.
- training for district heating management in district heating technology in September for 4 days.
- special training trip to Finland and Germany for best (4) selected participants of the training course.
- dissemination of training material to Union of Heat Suppliers

Achieved Results

Business opportunities

The Moscow DH managers gained knowledge on modern Western European practices and were helped to look at their organisation by separating the functions and helping them create business plans for these functions with a potential for commercialisation.

They were also helped to understand the different financing options available and explain how they work.

As a result of this project, another district heating training course will be arranged in a smaller city to be identified.

An overview/ catalogue of DH equipment available on the Russian market will be create.

Finance

EU Support: 110.000 ECU

Eligible cost: 195.054 ECU

Contact

Co-ordinator: EKONO ENERGY LTD
Address: TEKNIIKANTIE 4, OTANIEMI, PO BOX 27
00131 HELSINKI
SUOMI

Responsible: JOHANNA KORPIA
Tel: 358 9 469 11
Fax: 358 9 469 1981
Email:

Participants: EWEA
INNOTECH SYSTEMANALYSE GMBH

RUSSIA
DEUTSCHLAND

ENVIRONMENTAL IMPACT OF NEW AND EXISTING COGEN. TECHNOLOGIES -A STUDY FOR THE EU AND SELECTED EAST EUROPE

ALL

ENV

Action Nr: SUP-0838-1996-BE

Starting Date: 01-Oct-96

ONGOING

Aims and objectives

To provide quantified and comprehensive data on the environmental impact that would result from increased deployment of new and existing cogeneration technologies in the EU and selected Central/Eastern European States, to promote clean EU based cogen technologies to non-EU markets for onustainable development.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

Task 1 Research and Data collection

- * Information on deployment at Cogeneration
- * Details on conventional power production
- * Research on the techno-economic climate for cogeneration
- * Predictions on future energy requirements

Task 2 Modelling

- * Quantification of environmental benefits of cogeneration
- * Development of scenarios for cogeneration growth and development of an environmental model for each.

Task 3 Comparative cost and new technologies.

Expected Results

Provide a quantitative analysis of the reductions in pollutants that high efficiency cogeneration systems bring. Disseminate the results.

Provide valuable information for the Commission in developing its cogeneration strategy.

Finance

EU Support:	84.000 ECU	Eligible cost:	130.000 ECU
-------------	------------	----------------	-------------

Contact

Co-ordinator:	EUROPEAN ASSOCIATION FOR THE PROMOTION COGENERATION	Responsible:	MICHAEL BROWN
Address:	RUE GULLEDELLE 98 1200 BRUSSELS BELGIQUE	Tel:	32 2 772 82 90
		Fax:	32 2 772 50 44
		Email:	
Participants:	ASS. "RUSSIAN DEMONSTRATION ZONES HIGH ENERGY EFFICIENCY" BRUUN & SÖRENSEN HUNGARY ETSU	RUSSIA	
		HUNGARY	
		UNITED KINGDOM	

PROMOTION OF THE THERMIE PROGRAMME AT THREE MAJOR EXHIBITIONS IN IRELAND AND THE UNITED KINGDOM



Action Nr: DIS-0840-1996-IE

Starting Date: 01-Dec-96

ONGOING

Aims and objectives

The overall objective is to promote energy efficient technologies and the THERMIE Programme at 2 major exhibitions in Ireland and UK : the European Wind Energy Conference, Dublin 6-9 October 1997 and NEMEX, Birmingham, 2-3 december 1997

Business-Mission

Seminar

Workshop

Exhibition-stand

Description

To provide exhibition delegates with an opportunity to learn more about THERMIE actions and the benefits of the programme.

Conference

Joint THERMIE/IEC/REIO stand at European Wind Energy Conference, Dublin 6-9 October 1997
THERMIE stand at NEMEX, Birmingham, 2-3 December 1997

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Expected Results

The promotion of EU energy efficient technology programmes in Ireland and the UK. Participation will promote and disseminate information literature and videos on energy efficient technologies; facilitate technology transfer between European countries; identify new opportunities for future THERMIE applications; data collection for in-house database; to develop and strengthen cross border links and participation in energy projects to create a greater awareness of energy efficient technologies.

Finance

EU Support: 30.000 ECU

Eligible cost: 69.835 ECU

Contact

Co-ordinator: THE IRISH ENERGY CENTER
Address: GLASNEVIN
DUBLIN 9
IRELAND

Responsible: RITA WARD
Tel: 353 1 836 9080
Fax: 353 1 837 2848
Email:

Participants: ETSU

UNITED KINGDOM

Action Nr: DIS-0850-1996-ES

Starting Date:

ONGOING

Aims and objectives

Analyse the situation in Latin America of the oil and gas industry sector related to the energy efficiency.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

In a first step, organisation of a seminar and writing of a first document that will be discussed at the seminar. The final conclusions document will, in a last phase, include the recommendations.

Expected Results

Both documents and seminar have, as expected result, the updating of technological and economical knowledge in the energy efficiency area that can be applied to the sector of OG in Latin America countries.

Finance

EU Support: 70.000 ECU

Eligible cost: 140.000 ECU

Contact

Co-ordinator: IDAE
Address: PASEO DE LA CASTELLANA 95
28046 MADRID
ESPAÑA

Responsible: MRS. MARISA OLANO
Tel: 1 556 84 15
Fax: 1 555 13 89
Email:

Participants: PARTEX CPS

PORTUGAL

Action Nr: DIS-0858-1996-FR

Starting Date: 01-Feb-97

ONGOING

Aims and objectives

"Sagittaire B" is an support action to an integrated targeted project named "Sagittaire A" supported by the programme THERMIE.

"Sagittaire B" has for main goals:

- to allow the exchange of information and of know-how between the cities of the network made up under the project on "Sagittaire A" mainly by the organisaition of workshop sessions;
- to ensure the distribution, promotion and the analysis of the results of the project on "Sagittaire A" by the realisation of documents and publication (newsletter, booklet flag, etc),
- to encourage the penetration of hybrid bus technology on the market.

Description

The work programme proceeds over 3 years, in 6 phases, in accordance with the phasing of the project on "Sagittaire A".

To achieve the above-mentioned objectives the following tasks are in progress:

1. Editing of an internal letter concerning the activities of the project "Sagittaire A"; this letter is also accessible on Internet.
2. Organisation of two work sessions with visits of sites and of a dissemination workshop open to other cities as well as to high level representatives.
3. Development of a newsletter relating to the activities of the project on "Sagittaire A".
4. Development of the booklet flag of the project on "Sagittaire A".

Expected Results

The project on "Sagittaire B" coming exactly to begin, it is still too early to evaluate with precision its scope, as regards acquisition of hybrid bus technology in particular.

Thanks, inter alia, to the project on "Sagittaire B", one can expect that hybrid bus technology constitutes a privileged acquisition target in the short run. Already, the 11 cities involved in the integrated targeted project of "Sagittaire A", located in 8 different countries of the European Union, have already buy or are going to buy soon hybrid buses.

"Sagittaire B" should contribute to the creation of a genuine knock-on effect as regards acquisition of hybrid bus technology. However, it is still too early to be able to list in an exhaustive way the prjoets of investment resulting from the aciton.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support: 166.880 ECU

Eligible cost: 333.760 ECU

Contact

Co-ordinator: ENERGIE-CITES
Address: CHEMIN DE PALENTE 2
25000 BESANCON
FRANCE

Responsible: JEAN-PIERRE VALLAR
Tel: 33 3 81 65 36 80
Fax: 33 3 81 50 73 51
Email: enercit@besancon.net

Participants: CENTER FOR RENEWABLE ENERGY SOURCES
ETSU

ELLAS
UNITED KINGDOM

EXPERIMENTATION AND MONITORING OF TPF PROCEDURES ON A LIMITED SAMPLE OF REAL CASES (HOSPITAL AND SMES)

RUE

BU

Action Nr: DIS-0862-1996-IT

Starting Date:

ONGOING

Aims and objectives

The proposed action is part of larger project that ICIE is carrying on, together with other public and private, national and international partners, for promoting TPF in Italy. In this framework the present action aims at testing, simulating and monitoring the applicative tools and procedures, typical of a TPF intervention (energy audits, financial and technical-economical feasibility studies, cost-benefit evaluations on one side, tenders and contracts on the other side).

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The action is carried out as a pilot project, testing various TPF-tools in two hospitals and one commercial company (in the textile sector) in the Piemonte region.

Expected Results

Various TPF-tools are tested and evaluated. With the evaluation results it is possible to understand and implement the TPF-concept on a wider scale, especially in the hospital sector.

Finance

EU Support:	69.000 ECU	Eligible cost:	115.000 ECU
-------------	------------	----------------	-------------

Contact

Co-ordinator:	ICIE	Responsible:	MARIA MELCHIORRI
Address:	VIA NOMENTANA 133	Tel:	39 6 884 58 48
	00161 ROMA	Fax:	39 6 855 02 50
	ITALIA	Email:	
Participants:	AZIENDA ENERGETICA MUNICIPALE DI TORINO	ITALIA	
	CREDITO ITALIANO	ITALIA	
	FINPIEMONTE SPA	ITALIA	
	IDAE	ESPAÑA	
	REGIONE PIEMONTE	ITALIA	

STUDY FOR THE ELABORATION OF TPF CONTRACTUAL MODELS AND THEIR DISSEMINATION STRATEGY

RUE**BU**

Action Nr: DIS-0863-1996-IT

Starting Date:

ONGOING

Aims and objectives

The present proposal is part of the larger project that ICIE, together with other national and international partners, is carrying on for promoting TPF in Italy. In this framework the action aims at studying, developing and disseminating TPF model contracts targeted to the different types of potential users (local authorities, utilities, industrialists, etc.) The proposing group is made of private and public partners among which Piemonte Region, which is having a pilot role in promoting the application of TPF at public level and believes that TPF is an innovative tool for energy policies targeted to energy saving and pollution reduction in the public and in all sectors. The present proposal allows a high level of framework of the other proposed action action (experimentation of tools and procedures in hospitals and smes) and, obviously, on many other cases.

Description

This project is part of a group of 3 projects aimed at the implementation of TPF in Italy. This project plays a central role, because it is focussed on the contract phase of TPF, which is generally considered as critical in the success of a TPF project.

Expected Results

The project aims at inventarising the existing contract models on TPF, evaluating their most relevant aspects and putting this together in a limited number of model-contracts which may be used by the different market partners. A number of dissemination activities are also foreseen.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support: 69.000 ECU

Eligible cost: 115.000 ECU

Contact

Co-ordinator: ICIE

Address: VIA NOMENTANA 133
00161 ROMA
ITALIA

Responsible: MARIA MELCHIORRI

Tel: 39 6 884 58 48

Fax: 39 6 855 02 50

Email:

Participants: AZIENDA ENERGETICA MUNICIPALE DI TORINO
CREDITO ITALIANO
FINPIEMONTE SPA
IDAE
REGIONE PIEMONTEITALIA
ITALIA
ITALIA
ESPAÑA
ITALIA

THREE REGIONAL WORKSHOPS ON TPF : AN INNOVATIVE FINANCIAL TOOL FOR ENERGY SAVING PROJECTS IN THE HOSPITAL SECTOR

RUE

BU

Action Nr: DIS-0864-1996-IT

Starting Date:

ONGOING

Aims and objectives

This action is one of the 3 projects that ICIE is carrying on, together with other national and international partners, for the promotion of TPF in Italy. In this framework this action aims at disseminating the knowledge, the know-how and the tools developed during the completed, ongoing and the proposed actions in the field of TPF, to a very targeted sector (hospital) which allows a high level of replicability and constitutes a huge demand at national level.

Description

The action is aimed at disseminating the knowledge that is generated in the other 2 actions on stimulating the implementation of TPF in Italy via a one-day workshop. The workshop will be targeted at a national audience.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Expected Results

The action will lead to a better understanding of the advantages and possibilities of TPF, especially in the hospital sector in Italy.

This sector is interesting because of its high energy consumption coupled to the fact hospitals are a relatively small and easy to reach group.

Finance

EU Support:

32.500 ECU

Eligible cost:

65.000 ECU

Contact

Co-ordinator: ISTITUTO PER L'INNOVAZIONE
Address: VIA NOMENTANA 133
0061 ROMA
ITALIA

Responsible: MARIA MELCHIORRI
Tel: 396 8845848
Fax: 396 8550250
Email:

Participants: IDAE
REGIONE PIEMONTE
SAARLÄNDISCHE ENERGIE AGENTUREA

ESPAÑA
ITALIA
DEUTSCHLAND

LARGE SCALE DISSEMINATION OF EXPERIENCE ACQUIRED ON THE HYBRID-ELECTRIC BUS PROJECT OF LUXEMBOURG

RUE**TR**

Action Nr: DIS-0865-1996-LU

Starting Date:

ONGOING

Aims and objectives

The proposers have carried out a THERMIE demonstration project with specially designed propulsion modules for 3 hybrid-electric buses and a rapid charging system for the batteries. The present action takes place in the context of this project, the goal being the dissemination of the project results and the deployment of hybrid buses in various fleets all over Europe.

Description

The work programme of the present action is :

- production of brochures
- production of a video-tape
- conduct a workshop/seminar
- participation at a specialist exhibition with a bus
- dissemination. The existing information material will be disseminated through exhibitions, demonstrations, congresses, seminars and with the help of a specialist organistaion like CITELEC.

Expected Results

The action will inform about the benefits of hybrid-electric buses. Thus give interested parties better possibility to make decisions to invest in hybrid buses.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support: 74.120 ECU

Eligible cost: 114.030 ECU

Contact

Co-ordinator: AGENCE DE L'ENERGIE DU LUXEMBOURG
Address: RUE DU FORT BOURBON 4-6
1249 LUXEMBOURG
LUXEMBOURG

Responsible: YVES TONNAR
Tel: 352 40 65 64
Fax: 352 40 87 68
Email:

Participants: CITELEC
CITY OF LUXEMBOURG

BELGIQUE
LUXEMBOURG

DISSEMINATION OF ENERGY EFFICIENT TECHNOLOGIES IN THE TEXTILE SECTOR : 6 WORKSHOPS

RUE
IN

Action Nr: DIS-0870-1996-ES

Starting Date: 01-Oct-96

COMPLETED

Aims and objectives

The aim of this task is to bring to the textile SME's market information and support by promoting efficient technologies through carrying out 6 one day workshops. Those actions will complement the current textile newsletter that already promotes efficient technologies. They will show to the local companies as well what has been done in that field in other regions as the most local relevant case studies. On the other hand, a wide range dissemination of these technologies will be ensured. The association of European textile associations EURATEX will also collaborate in the dissemination although it is not part of the consortium. As a result, the information of all the activities will arrive to the key places and will be perfectly distributed all along the textile associations.

Description

The different phases of the action are the following:

1. Programme definition: An initial meeting will be held with all the partners to discuss the contents of the action and to find out the relevant matters for each country, and decide the contents for each workshop.
2. Design of workshops: Once the contents had been decided, every one of the partners will decide which will be the target audience for his workshop, will prepare the programme for the workshop and will search for the appropriate speakers. After the speakers had been confirmed, one information brochure will be designed, printed and mailed to the audience target.
3. Organisation/holding: At the same time, the speakers will be asked for facilitating the documentation and case studies they are presenting in the workshop. All these documentation will be included in the workshop documentation will be given to all the workshop participants. All the arrangements for the workshop will be done and after the workshop will be held.
4. Conclusions: After all the 6 workshops had been held, ICAEN will collect the different conclusions from each workshop and will prepare a final global conclusion document for all the action.

Achieved Results

The 6 workshops were implemented (UK on 19/03/97, IT on 11/04/97, PT on 14/05/97, ES on 29/05/97) on time. The last one in France as per contract was delayed to 17/09/97. The attendance was quite significant and successful 33 (IT), 63 (PT), 60 (ES), 35 (FR) and 60 (UK). In total 240 different European textile companies attended the workshops which is quite relevant. Resulting from distributed questionnaires, expected results have been reached, industry was informed on the new potential clean and efficient technologies and their economical advantages. Of course, future results in terms of projects implemented cannot be assessed in the framework of this action and is representing a longer term task. On the results, this action is a full success. In Greece and Portugal, as a result of the promotion of Natural Gas technologies and the recent inauguration of the natural gas grid, the action is expected to create a very important business opportunity relating the mentioned technologies applied to the Textile Sector. In the UK, the action through big textile companies is expected to improve the energy efficiency of these big companies suppliers in horizontal technologies. In Spain and France, the workshop is expected to promote the utilisation of CHP technologies in the Textile sector.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support: 108.648 ECU

Eligible cost: 167.151 ECU

Contact

Co-ordinator: ICAEN

Address: AVGDA DIAGONAL, 435BIS, ÀTIC
08036 BARCELONA
ESPAÑA

Responsible: C. MESEGUER

Tel: +34 3 439 2800

Fax: +34 3 419 7253

Email: industria@icaen.es

Participants: CENTRO PARA A CONSERVAÇÃO DE ENERGIA
ETSU
FAST
LDK CONSULTANTS ENGINEERS & PLANNERS
RÉSEAU DES AGENCES RÉGIONALES DE L'ENERGIE

PORTUGAL
UNITED KINGDOM
ITALIA
ELLAS
FRANCE

RENEWABLE ENERGY SOURCES FOR RURAL ELECTRIFICATION IN SOUTH AFRICA

RES

GEN

Action Nr: STR-0871-1996-GB

Starting Date: 01-Feb-97

ONGOING

Aims and objectives

This action has been conceived to identify commercially viable opportunities for rural electrification in the Eastern Cape Province of South Africa using wind, hydro and biomass-powered remote area power supply systems, and to promote the implementation of these opportunities by policy-makers in South Africa and the supply of appropriate goods and services from the EU. The Eastern Cape Province constitutes, due to its energy and economic characteristics, an ideal pilot region for such project.

Description

There are three main tasks to this tranche of the overall project, task 4 will be the subject of a further proposal.

Task 1: Supply-side analysis. This will involve the evaluation of renewable energy technologies, the mapping of renewable energy resources, the mapping of renewable energy supply costs and grid supply costs, and the mapping of "commercially viable" renewable energy resource.

Task 2: Demand side analysis. This will involve the evaluation of economic activity potential and resources, the modelling of economic activity net returns, the assessing of economic activity energy needs, and mapping the commercially viable economic activity energy budgets.

Task 3: The evaluation of financing terms and options.

Expected Results

This action will identify cost-effective opportunities for wind, hydro and biomass technologies in combination with new economic activity based on exploitation of natural resources. In the Eastern Cape, Province of South Africa, this proposal can be a step forward confirming, for the particular case of South Africa, under which conditions electricity from renewable remote area supplies can be a serious solution. This will bring opportunities for EU technology suppliers and contribute to a sustainable development of the region.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support: 177.900 ECU

Eligible cost: 355.784 ECU

Contact

Co-ordinator: GARRAD HASSAN AND PARTNERS LIMITED
 Address: THE COACH HOUSE, FOLLEIGH LANE, LONG ASHTON
 BS18 9JB BRISTOL
 UNITED KINGDOM

Responsible: ANDREW GARRAD
 Tel: 44 1275 394 361
 Fax: 44 1275 394 361
 Email: jellows@glasgow.garradhassan.co.uk

Participants: NETHERLANDS ENERGY RESEARCH FOUNDATION

NEDERLAND

Action Nr: SUP-0882-1996-FR

Starting Date: 01-Dec-96

ONGOING

Aims and objectives

Present the modern technologies developed in Western Europe to enhance oil and gas exploration capabilities and reservoir exploitation. The objectives are -to train managers in countries looking for European technologies in the oil & gas exploration and production sectors, such as China, Vietnam, CIS countries. -to introduce the use of concepts and of specific equipment developed in Western Europe to the specialists of those companies/administrations.

 Business-Mission

 Seminar

 Workshop

 Exhibition-stand

 Conference

Training

 Exhibition

 Publication

 Audit-assessment

 Study

 Electronic Catalogue

 Other

Description

Programme of training courses includes:

- a geochemistry session (4 days)
- a seismic session (3 days)
- a reservoir session (4 days)
- an Economics & Management session on Exploration-Production (3 days)

Expected Results

- further cooperation between the attendees, their organisations and european companies working in the oil and gas sectors of producing or promising countries
- ultimately, development of research contracts and/or equipment purchases.

Finance

EU Support:	146.000 ECU	Eligible cost:	233.000 ECU
-------------	-------------	----------------	-------------

Contact

Co-ordinator:	ENSPM FORMATION INDUSTRIE	Responsible:	B. LERY
Address:	232 AV. NAPOLEON BONAPARTE BP 311	Tel:	33 1 47 52 61 63
	92506 RUEIL MALMAISON	Fax:	33 1 47 52 70 41
	FRANCE	Email:	
Participants:	ASSOCIATION OF DUTCH SUPPLIERS IN THE OIL AND GAS INDUSTRY		NEDERLAND

CIOGE'96. EXHIBITION STAND/ WORKSHOP, 18-21 NOVEMBER 1996, BEIJING, CHINA

FF

OG

Action Nr: SME-0886-1996-DE

Starting Date: 01-Oct-96

COMPLETED

Aims and objectives

Utilise the Chinese International Oil and Gas Exhibition CIOGE, Beijing, China to present European technology and know-how to operators and decision-makers of the fast developing Chinese market.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

Being the country with the highest population in the world (1.2 billion inhabitants were estimated at the beginning of 1995) and considering the ongoing economic reforms, China represents one of the most important markets of the future. With regard to the oil and gas industry, a massive development started requiring specialised technologies/equipment in the upstream and downstream sectors, onshore and offshore. The Chinese Government is realising the vital importance of the oil and gas industry and is expected to invest heavily in both the upgrading and expansion of the oil and gas exploration and recovery.

Development in the sector is also supported by the organisation of international fairs in China in order to attract foreign companies willing to invest in China and/or presenting products being of interest for the Chinese oil and gas sector.

It is therefore proposed that the EU exhibition stand of this action will be realised at the CIOGE '97. In case CIOGE '97 will not take place as planned, it is proposed that the EU exhibition stand will be realised directly at the "15th World Petroleum Congress".

Achieved Results

By participating in the exhibition, EU companies was in a position to help improve the situation of the oil and gas industry in terms of efficient and environmental-friendly exploration technologies and taking advantage of the growth of the Chinese market.

Apart from presenting European companies, the stand was used as a dissemination point of know-how available and published under the THERMIE Programme, in particular from the hydrocarbons sector. Thermie and other videos relevant to the scope of the project were shown continuously at the stand and the representatives from the organising companies answered questions on co-operation possibilities with European companies support by the European Commission.

Finance

EU Support: 72.000 ECU

Eligible cost: 120.000 ECU

Contact

Co-ordinator: GOPA-CONSULTANTS
Address: HINDENBURGRING 18
61348 BAD HOMBURG
DEUTSCHLAND

Responsible: MR. SAUTER SERVAES
Tel: 49 6172 930 210
Fax: 49 6172 930 200
Email: f_sauter_servaes@gopa.de

Participants: OPET CESEN COMERINT
PARTEX CPS

ITALIA
PORTUGAL

COLLECTION OF DATA ON FUEL CELL APPLICATIONS IN ENERGY SUPPLY AND WARRANTY OF OPTIONAL AVAILABILITY OF THESE

RUE

EI

Action Nr: DIS-0887-1996-DE

Starting Date: 01-Jan-97

ONGOING

Aims and objectives

The aim of this action is to promote fuel cell technology for applications in the energy supply sector. For this purpose, information on practical applications with quantified data as performances, operating hours, investment, operating and maintenance costs, electricity costs,... will be collected and offered to those interested. The created information system will allow an interactive calculation for simulation of related performance and economics for a virtual power supply unit. The information will be offered in several formats (E-mail, newsletter, WWW). The participation as speaker in seminars, workshops and in particular at the PowerGen '98 conference in Milan will promote the development of this new information system.

Description

This action consists of 6 tasks:

- Task 1: Information gathering and selection and systemisation of the information.
- Task 2: Continued information collection, data evaluation and extension of the circle of information suppliers.
- Task 3: Participation as speaker in seminars workshops and in particular at the PowerGen'98 conference in Milan.
- Task 4: Setting up and maintenance of Internet Web page.
- Task 5: Regular publication of a Newsletter.
- Task 6: Targeted dissemination via E-Mail.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Achieved Results

Internet Web page address : <http://www.ds-leipzig.de/fuelcell.html>

Finance

EU Support: 134.355 ECU

Eligible cost: 206.700 ECU

Contact

Co-ordinator: ICEU
Address: AUENSTRASSE 25
04105 LEIPZIG
GERMANY

Responsible: CORDULA WALDENMEYER
Tel: 49 341 980 49 69
Fax: 49 341 980 34 86
Email: waldenmeyer@iceu.manner.de

Participants: CESEN SPA
CLC SRL
EA -TECHNOLOGY LIMITED

ITALIA
ITALIA
UNITED KINGDOM

ENERGY CONSERVATION IN TRANSNATIONAL INTERMODAL FREIGHT TRANSPORT

RUE
TR

Action Nr: STR-0892-1996-IE

Starting Date: 01-Jan-97

ONGOING

Aims and objectives

The aim of this action is to devise a cargo transport route optimisation mechanism to reduce fuel consumption and transport cost within the EU. The potential for such saving is greatest in the peripheral areas of the EU, where an intermodal optimisation system for strategic planning will be developed by the consortium. An assessment will then be made of appropriate energy saving policy options. It is estimated that a 6% saving could be made in the energy consumption for transnational intermodal journeys.

Description

The approach is to identify energy used by the different modes and routes. Then through the selection of corridors where significant energy savings can be made, identify user preferences dependent on logistical parameters. An estimate of potential freight consignment shifts will be made to more energy efficient chains. The methodology for estimating the type of measures and assessment of their effectiveness will be generalised. A final report will identify appropriate opportunities.

Expected Results

The project will identify how a reduction in energy consumption may be achieved by conservation measures. It will also allow for a development methodology to be transferred to other regions. The Freight transport network is critical in the trading life of member countries. The study will, therefore ensure reduction in the use of energy will not detrimentally impact on the economic life of the community. During the study a questionnaire will be completed by consignors and consignees identifying their stated preferences hence identifying the potential to reduce energy consumption. The results of the project will be of interest to Departments of Energy and Transport in the respective countries. Governments have a number of strategic planning tools that they can use to the advantage of European Energy Conservation. These include support for infrastructural developments; technology investments or simply development of planning policies and enforcement of laws. Concrete investment decisions will inevitably be influenced by identified opportunity.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support: 184.334 ECU

Eligible cost: 283.590 ECU

Contact

Co-ordinator: NAUTICAL ENTREPRISE CENTRE, CORK REGIONAL TECHNICAL COLLEGE

Responsible: JOSEPH KAENE
Tel: 353 21 546465

Address: BISHOPSTOWN
CORK
IRELAND

Fax: 353 21 546466
Email: jfkeane@rtc-cork.ie

Participants: NORWEGIAN MARINE TECHNOLOGY RESEARCH INSTITUTE
STRATEC
TRANSPORT RESEARCH GROUP, SOUTHAMPTON UNIVERSITY

NORGE
BELGIQUE
UNITED KINGDOM

Action Nr: DIS-0898-1996-GR

Starting Date: 17-Oct-96

ONGOING

Aims and objectives

The consortium intends to develop comprehensive information and communication tools to increase awareness and promote the implementation of innovative technologies and to provide a monitoring system on Mediterranean countries energy systems referred to RUE and RES

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

Development of comprehensive information systems regarding the energy sectors in the Mediterranean countries consisting of a database for stand alone PC operation, a computerised guide with National Energy profiles in the Mediterranean, and an Information system on the Internet

Provision of an information pack produced in English and French consisting of Summary country profiles, description of databases, inclusion of a computerised guide on National Energy profiles in the Mediterranean.

Expected Results

The expected results are as follows: The main result will be that databases will provide a tool for the monitoring of the energy markets and the development of the clean and efficient (including renewable energy) sectors throughout the Mediterranean. In addition the information contained will enable the identification of technologies most appropriate to these regions and provide potential investors with essential background data. The information pack will be an attractive way of publicising the products in the EU and Mediterranean. An important result of the project will be to reinforce the transnational collaboration in the Mediterranean.

Finance

EU Support:	208.000 ECU	Eligible cost:	416.000 ECU
-------------	-------------	----------------	-------------

Contact

Co-ordinator: CENTER FOR RENEWABLE ENERGY SOURCES
 Address: 19TH KM ATHINON MARATHONOS AVE.
 190 09 PIKERM
 ELLAS

Responsible: DIMITRIS PAPASTEFANAKIS
 Tel: 30 1 60 39 900
 Fax: 30 160 39 904 /11
 Email:

Participants: ADEME
 CENTRO PARA A CONSERVAÇÃO DE ENERGIA
 ICAEN
 NATIONAL AGENCY FOR NEW TECHNOLOGY, ENERGY AND THE ENVIRONMENT

FRANCE
 PORTUGAL
 ESPAÑA
 ITALIA

MARKET STUDY "BIOMASS TANK - AN INNOVATIVE DISTRIBUTION SYSTEM"

RES**BM**

Action Nr: STR-0904-1996-AT

Starting Date: 01-Jan-97

ONGOING

Aims and objectives

The project aims at making the utilisation of biomass for heating purposes in single-family houses more user-friendly through developing and marketing a new distribution system for wood-waste from the wood-working industry. This system is based on the idea of the distribution system for fuel oil : once or twice per year a tank truck delivers fuel into a storage from where the fuel is conveyed automatically into the furnace. Preparatory work has been carried out in Austria in the sense that the wood waste is pelletised and is transported and stored in adapted "pellet" systems. The market potential for this technology is considered to be relative high.

Description

In order to be able to develop a consumer-oriented logistic the project partners decided to analyse the local markets for this distribution and heating system in Austria and Germany. In a first step, the potential for this technology was estimated, key actors in this field were identified and financial as well as technical barriers for the application of the technology identified. In a second step, similar technologies already available in other EU countries were carefully examined to overcome the encountered technical barriers.

In order to test the functioning of the system in reality a test family will be chosen in Austria where a test of the fuel distribution system will be run over three months. With the results of these tests a marketing and awareness/information concept will be developed in order to disseminate them to a large public.

Expected Results

The project aims at identifying the main barriers for the further use and distribution of wood biomass for the heating of single-family houses and at providing solutions how to overcome these barriers.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support: 63.750 ECU

Eligible cost: 85.000 ECU

Contact

Co-ordinator: O.Ö. ENERGIESPARVERBAND
Address: LANDSTRASSE 45
4020 LINZ
ÖSTERREICH

Responsible: CHRISTIANE EGGER
Tel: 43 732 6584-4380
Fax: 45 732 6584 4383
Email: esv1@esv.or.at

Participants: ZENTRUM FÜR RATIONELLE ENERGIEANWENDUNG UND UMWELT DEUTSCHLAND

UNDERGROUND COAL GASIFICATION - DISSEMINATION OF RESULTS OF EXISTING PROJECT AND FORMULATION OF FUTURE

FF

SF

Action Nr: STR-0909-1996-ES

Starting Date: 01-Sep-96

ONGOING

Aims and objectives

The aim of the proposal is to re-convene the European Working Group (EWG) on Underground Coal Gasification with the objectives to evaluate and disseminate results of the EI Tremedal trial (for which results of drilling and completion on the control and cavity development. Both sets of information will be used in the current contract to define the technological objective of future trials and improve the economical analysis of the process for clean coal utilisation. In addition, the environmental assessment of the process has assumed greater importance since the first trial was started and an analysis of the environmental impact is being undertaken.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The ongoing trial at EI Tremedal has already added considerable knowledge to the application of deviated drilling techniques to coal bearing strata and areas of further development identified. Gasification results will provide key information on the control and cavity development. Both sets of information will be used in the current contract to define the technological objective of future trials and improve the economical analysis of the process for clean coal utilisation. In addition, the environmental assessment of the process has assumed greater importance since the first trial was started and an analysis of the environmental impact is being undertaken.

Expected Results

Coal remains the largest indigenous energy source in Europe and provides 20% of the energy supply to the 15 European States in 1992. Forward projections by the EC indicate that the share could continue at that level in 2020. The current methods of coal protection are expensive and environmentally demanding. Underground gasification offers the only practical method of exploiting the deep and underseas coal deposits of Europe at a cost for electrical generation which may be competitive against other fuels as the technology develops. Environmental option include the possible retention of some pollutants within the seam itself and the cavity could be considered as a final deposit for CO₂. A review of the technical economic and environmental possibilities are part of the current contract.

The technology of underground gasification in deep mines is still immature, and further demonstrations are required in order to attract large investment in the technology. However, governments agencies and the generating mining company ENDESA have co-sponsored the first trial and subsequent development could involve support from further bodies with interest in coal production, power generation and large plant construction. In addition there is continued investment in UCG by countries with large coal deposits, namely USA, India, Russia and New-Zealand.

Finance

EU Support:	80.000 ECU	Eligible cost:	130.000 ECU
-------------	------------	----------------	-------------

Contact

Co-ordinator: UNDERGROUND GASIFICATION EUROPE A.E.I.E.
Address: CALLE HERMANOS NADAL 27,1°
44550 ALCORISA
ESPAÑA

Responsible: M.B. GREEN
Tel: 34 78 88 33 04
Fax: 34 78 88 33 18
Email:

Participants: ETSU
IGAS
ITGE
NOVEM

UNITED KINGDOM
BELGIQUE
ESPANA
NEDERLAND

THERMIE INFORMATION IN AUSTRIA AND BAVARIA (CONTINUATION OF THERMIE B PROJECT SME- 0263-95-AT)

ALL
GEN

Action Nr: SME-0910-1996-AT

Starting Date: 01-Jul-96

COMPLETED

Aims and objectives

The main objective of this action is to support Austrian and Bavarian SMEs participating in THERMIE activities. Moreover the consortium proposes the organisation of a THERMIE participation to Energiesparmesse and a contribution of THERMIE to the World Energy Efficiency Day

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

This project was designed to increase the participation of Austrian and Bavarian companies in the THERMIE Call for tenders. A number of information and promotion activities were undertaken:

- * media campaigns (press releases to the daily press and relevant technical press)
- * identification of interested SMEs
- * targeted mailings to the relevant SMEs/industry
- * advice service for SMEs
- * presentation of the THERMIE programme at the Energiesparmesse (7-9 March 1997)
- * support in preparing THERMIE PROPOSALS.

Furthermore, the WORLD ENERGY EFFICIENCY DAY 1997 (6 March 1997) was organised, an international conference which attracted 401 participants from 40 different countries and which showcased successfully implemented energy efficiency projects from five continents.

Achieved Results

By informing SMEs about the opportunities offered by the THERMIE programme a considerable improvement of their competitive position on the market was made.

Finance

EU Support: 21.000 ECU

Eligible cost: 42.000 ECU

Contact

Co-ordinator: O.Ö. ENERGIESPARVERBAND
Address: LANDSTRASSE 45
4020 LINZ
ÖSTERREICH

Responsible: CHRISTIANE EGGER
Tel: 43 732 6584-4380
Fax: 43 732 6584 4383
Email: esv1@esv.or.at

Participants: EAB ENERGIE-ANLAGEN BERLIN GMBH DEUTSCHLAND
ZENTRUM FÜR RATIONELLE ENERGIEANWENDUNG UND UMWELT DEUTSCHLAND

TRANSFER OF EUROPEAN UPSTREAM OIL AND GAS TECHNOLOGIES TO MERCOSUR

FF**OG**

Action Nr: SME-0911-1996-DE

Starting Date: 01-Dec-96

ONGOING

Aims and objectives

Introduce upstream oil and gas EU technologies into a vast opening and liberalising market. Many EU technologies and approaches developed by SMEs are applicable to this task. The amount of HC for export can be maximised and net emissions of greenhouse gases reduced. The development of the upstream oil and gas sector could threaten the Brazilian environment. To help avoid this problem, it is suggested to link at one specific problem area - protecting the environment whilst drilling

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

This action comprises two workshops: "EU Technologies for the Upgrading of Existing Geophysical Data", Buenos Aires, Argentina, and "EU Technologies for Frontier Exploration", São Paulo, Brazil. It also includes a five-day fact-finding mission to survey Brazilian environmental protection whilst drilling.

Expected Results

Sales of EU SMEs with technologies applicable to the upstream oil and gas sector will be increased as will their exports outside the EU. By encouraging efficient, effective and safe exploration for oil and gas, the EU broadens its own potential supply base and thereby improves security of supply at competitive prices and reduces dependence upon any particular suppliers.

The MERCOSUR economies will gain income and security of energy supplies.

This will encourage regional stability, opening up yet further markets for EU companies whilst reducing the need for other forms of EU aid to the region. By becoming active in the MERCOSUR market now, EU SMEs will bolster their future competitive position in MERCOSUR.

Finance

EU Support: 90.000 ECU

Eligible cost: 150.000 ECU

Contact

Co-ordinator: GOPA-CONSULTANTS
Address: HINDENBURGRING 18
61348 BAD HOMBURG
DEUTSCHLAND

Responsible: MR. SAUTER SERVAES
Tel: 49 6172 930 210
Fax: 49 6172 930 200
Email: f_sauter_servaes@gopa.de

Participants: ATERSA - APLICACIONES TECNICAS DE LA ENERGIA S.A.
PARTEX CPS

ESPAÑA
PORTUGAL

TECHN. FOR DECOMMISS., REMOVAL OR REUTILISATION OF OFFSHORE PLATFORMS

FF

OG

Action Nr: DIS-0912-1996-DE

Starting Date: 01-Jan-97

ONGOING

Aims and objectives

The proposed task aims to promote European innovative technologies, mostly developed under THERMIE, available to undertake the efficient decommissioning of offshore platforms and also their conversion to other offshore facilities.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

Europe's installed offshore platforms are steadily ageing. The number of abandoned platforms is set to rise continually as production tails off and ends in many fields. These platforms will need to be decommissioned and removed or, in some cases, put to different uses. Meanwhile, one of the major uncertainties regarding the installation of new platforms is what the cost will be at the end of their utility for oil and/or gas production. European technologies exist to undertake the efficient decommissioning of these platforms and also their conversion into other productive facilities. The proposed task aims to promote these European technologies and thereby help overcome the costs and uncertainties associated with what to do with platforms that are no longer needed for their original uses.

The action consists of a series of different activities as follows:

1. A report "Inventory of European Technologies for the Decommissioning, Removal or Reutilisation of Offshore Platforms and Other Offshore Facilities",
2. A maxibrochure on "Selected Innovative European Technologies for the Decommissioning, Removal or Reutilisation of Offshore Platforms and Other Offshore Facilities",
3. A workshop/seminar on specific innovative technologies, location: Aberdeen.

Expected Results

Sales of EU companies with technologies applicable to the decommissioning, removal or reutilisation of offshore platforms and other offshore facilities will be increased. By offering innovative techniques to reduce the uncertainties, costs and risks associated with disused platforms and facilities will decrease whilst the attractiveness of exploration and production in the offshore EU will be increased. This will improve the EU's reserve outlook, thereby improving the security of supply of the EU's oil and gas. Furthermore, reducing costs associated with offshore exploration will improve Europe's competitive position vis-à-vis external suppliers, particularly on-shore suppliers, and reduce import dependence.

Finance

EU Support: 100.000 ECU

Eligible cost: 150.000 ECU

Contact

Co-ordinator: GOPA-CONSULTANTS
Address: HINDENBURGRING 18
61348 BAD HOMBURG
DEUTSCHLAND

Responsible: MR. SAUTER SERVAES
Tel: 49 6172 930 210
Fax: 49 6172 930 200
Email: f_sauter_servaes@gopa.de

Participants: ASSOCIATION OF DUTCH SUPPLIERS IN THE OIL AND GAS
INDUSTRY

NEDERLAND

PROMOTION AND DISSEMINATION OF INNOVATIVE EU ENERGY TECHNOLOGIES TO THE CZECH REPUBLIC AND SLOVAKIA

ALL
GEN

Action Nr: DIS-0915-1996-DE

Starting Date: 10-Dec-96

ONGOING

Aims and objectives

Support the market penetration of innovative EU energy technologies in the Czech Republic and Slovakia by offering guidance to EU small and medium enterprises and conducting promotion and dissemination activities. The activity aims in particular to promote energy efficiency technologies for the building sector in the Czech Republic and will also include energy-efficient technologies for industry in Slovakia. Demand-side management is the particular focus of the activity.

Description

Task I: Assistance to Member State SMEs. After the identification of Member State SMEs manufacturing innovative energy-efficient technologies, they will be informed about market conditions in the Czech Republic and in Slovakia and about financing possibilities for transferring energy technologies. Further SMEs from EU countries will be supported on establishing business contacts to local partners.

Task II: Training and dissemination of results. Training courses on business development of energy service companies (ESCOs) about financial methods for RUE in buildings, on renewable energies and on EU energy-efficient technologies and energy management systems will be held. A workshop on DSM will bring together EU technology suppliers and Czech representatives from municipalities, utilities and consumer associations. Also the THERMIE participation in major energy fairs in the Czech Republic and Slovakia will be ensured.

Expected Results

This action is expected to facilitate the technology transfer and industrial cooperation between the EU and the Czech Republic and Slovakia. EU companies will find reliable and up-to-date information on business partners, planned energy efficiency projects and funding opportunities.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support: 110.000 ECU

Eligible cost: 170.000 ECU

Contact

Co-ordinator: GOPA-CONSULTANTS
Address: HINDENBURGRING 18
61348 BAD HOMBURG
DEUTSCHLAND

Responsible: MR. SAUTER SERVAES
Tel: 49 6172 930 210
Fax: 49 6172 930 200
Email: gop_con@ibm.net

Participants: O.Ö. ENERGIESPARVERBAND

ÖSTERREICH

ENERGY MANAGERS GROUP : TRAINING AND DISSEMINATION OF EFFICIENT ENERGY TECHNOLOGIES

ALL
GEN

Action Nr: SME-0924-1996-ES

Starting Date: 15-Nov-96

COMPLETED

Aims and objectives

The objective of this action is to provide and disseminate information on energy matters addressed to users and professionals. The proposers also intend to achieve a market extension of successful European energy technologies in Third Countries. The promotion of a European Managers Group is included

Description

Two different types of actions are being carried out:

- Production, translation and dissemination of documentary material concerning the rational use of energy and efficient energy technologies: quarterly magazine, collection of dossiers, booklets and monographs.
- Promotion of the exchange of experiences and information among the technicians and professionals concerned with energy management through the promotion of an Energy Managers Group at an international level.

Achieved Results

The following results have been obtained:

- Publication of 4 issues of the quarterly magazine Advanced Technologies in energy saving and efficiency and publication of two issues of the collection "Energy Demo".
- Translation of technical press articles from French to Spanish for distribution to SMEs.
- Energy Managers Group: Development of two technical workshops, development of two technical visits and one international visit.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support: 96.750 ECU

Eligible cost: 193.500 ECU

Contact

Co-ordinator: ICAEN
Address: AVGDA DIAGONAL, 453BIS, ÀTIC
08036 BARCELONA
ESPAÑA

Responsible: JJ ESCOBAR
Tel: +34 3 439 2800
Fax: +34 3 419 7253
Email: edificis@icaen.es

Participants: ADEME

FRANCE

UNESCO SUMMER SCHOOL 'SOLAR ELECTRICITY FOR RURAL AND ISOLATED AREAS'

RES**PV**

Action Nr: DIS-0925-1996-ES

Starting Date: 01-Mar-96

COMPLETED

Aims and objectives

The aim of the action is to promote european technologies in the field of photovoltaic conversion. The main objectives are: to connect european manufacturers and potential users, to disseminate and promote information on european PV products; to assist european manufacturers to penetrate markets and to develop partnership and joint ventures between european and third Mediterranean countries

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

24 specialists from 13 countries participated, from the 22 to the 26th July 1996 in a visit to PV manufacturers, research centres, institutions and installations in Spain. These visits are a complement to the Summer School "Electricité Solaire pour les zones rurales et isolées", previously organised at UNESCO headquarters in Paris.

Achieved Results

The contacts made could result in sales of PV European products to third countries.

Finance

EU Support: 43.000 ECU

Eligible cost: 66.000 ECU

Contact

Co-ordinator: ICAEN
Address: AVGDA DIAGONAL, 453BIS, ÀTIC
08036 BARCELONA
ESPAÑA

Responsible: JJ ESCOBAR
Tel: +34 3 439 2800
Fax: +34 3 419 7253
Email: edfics@icaen.es

Participants: ADEME
CENTER FOR RENEWABLE ENERGY SOURCES

FRANCE
ELLAS

PROMOTION OF ENERGY EFFICIENT TECHNOLOGIES MATCHING WITH ISLANDS AND ULTRA- PERIPHERAL REGIONS SPECIFICITIES - PHASE II -

ALL
GEN

Action Nr: DIS-0926-1996-PT

Starting Date: 01-Jan-96

ONGOING

Aims and objectives

The main objective of this action is to complement the tasks undertaken within a previously approved action (DIS-0601-95-PT) to improve market penetration of energy efficient and RES technologies in EU islands.

Description

There are 7 tasks:

Task 1: Market study on cogeneration-trigeration

Task 2: Guide on impact reduction of RES based power systems on Islands finite grid

Task 3: Market study on Biomass in the islands

Task 4: Workshop on transport in the Islands

Task 5: Market study on DSM measures.

Task 6: Business Mission on Small Absorption Cycle Technologies

Task 7: Production of two maxibrochures on biomass in the Islands

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Expected Results

The following main results are to be expected:

- To improve the competitiveness due to the costs reduction of the production of energy;
- To decrease the external energy dependency of the Islands due to their insularity;
- To improve the quality of the environment;
- To improve the employment in the Islands.

It is expected to create new business opportunities for small and medium societies, mainly through the local manufacturing of some components of several R.E. technologies.

Estimating the competitiveness between the most up-to-date EU technologies, it is expected to have some concrete investment projects in innovative energy technologies.

Finance

EU Support: 281.940 ECU

Eligible cost: 469.900 ECU

Contact

Co-ordinator: CEEETA PARTEX CPS

Address: RUA GUSTAVO DE MATOS SEQUEIRA 28 - 1° DTO
1200 LISBOA
PORTUGAL

Responsible: ANIBAL FERNANDES

Tel: 351 1 395 60 19/20

Fax: 351 1 395 24 90

Email:

Participants: EUROPEAN ISLANDS ENERGY & ENVIRONMENTAL NETWORK

UNITED KINGDOM

INVESTMENT GUIDE FOR THE ENERGY SECTOR IN BALKAN COUNTRIES. PART II: BULGARIA

ALL
GEN

Action Nr: DIS-0931-1996-GR

Starting Date: 01-Jan-97

ONGOING

Aims and objectives

Develop the second part of the investment guide for the energy sector in the Balkan Countries (Part II : Bulgaria). The objective is to help European energy industry to penetrate the energy market of Bulgaria through the provision of a guide about local investment climate and financing possibilities for EU/Bulgarian cooperation in the field of energy efficiency.

Description

The consortium will collect and present information (printed and in electronic form) regarding general economic and investment environment in Bulgaria, legislation of the energy and environment sectors, administrative structure of the energy sector, current situation, technological and technical barriers, priorities and investment opportunities of the energy sector, address list and contact persons. The guide will be produced in 200 copies and translated in English and Bulgarian. In addition 1500 folders containing the full text of the guide on diskette will be produced.

Expected Results

Increase of European industrial and commercial cooperation with Bulgaria. Increase of energy related investments in this country.

Dissemination of the guide to European energy suppliers, energy equipment suppliers, trading companies and associations, financial and banking institutions, governmental authorities and non-governmental organisations, and chambers of commerce.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support: 50.000 ECU

Eligible cost: 80.000 ECU

Contact

Co-ordinator: CENTER FOR RENEWABLE ENERGY SOURCES
Address: 19TH KM ATHINON MARATHONOS AVE.
190 09 PIKERM
ELLAS

Responsible: M. DAMASSIOTIS
Tel: 30 1 60 39 900
Fax: 30 1 60 39 904 /11
Email: mdamas@cresdb.cress.ariadne-t.gr

Participants: NATIONAL INDUSTRIAL FUEL EFFICIENCY SERVICE LTD
REGIO-TEC PLANNUNGSGESELLSCHAFT FÜR
WIRTSCHAFTSPOLITIK UND INFRA
SYNERGIA

UNITED KINGDOM
DEUTSCHLAND
ELLAS

PREGO-2, THE 2ND INTERNATIONAL EXHIBITION & CONFERENCE FOR PETROCHEMICALS, REFINERIES GAS & OIL INDUSTRIES, NOV. 1997

FF**OG**

Action Nr: SME-0933-1996-NL

Starting Date: 01-Nov-96

ONGOING

Aims and objectives

PREGO-2 will be the second international exhibition and conference for oil & gas industries to be held in Egypt in November 1997. This event will cover both upstream and downstream activities. The aim of the European Commission participation is to promote THERMIE funded projects and to demonstrate the latest European innovative technologies in this sector towards the Mediterranean and Middle-East countries.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

Organisation and management of the EU-stand at the PREGO-2 exhibition in Cairo.

Expected Results

Intended results: the EU stand exhibitors will have the opportunity to market their innovative technologies, conclude sales, establish business contacts with new potential customers.
Expected to create export opportunities, accelerate deals that are under discussion.
Expected to lead to investment projects in innovative oil and gas technologies.

Finance

EU Support:	96.000 ECU	Eligible cost:	166.000 ECU
-------------	------------	----------------	-------------

Contact

Co-ordinator:	ASSOCIATION OF DUTCH SUPPLIERS IN THE OIL AND GAS INDUSTRY	Responsible:	GG HUTJENS
Address:	ENGELANDLAAN 330 2711 DZ ZOETERMEER NEDERLAND	Tel:	31 79 34 11 981
		Fax:	31 79 34 19 764
		Email:	iro@x54all.nl
Participants:	FEDERATION OF SCIENTIFIC AND TECHNICAL ASSOCIATIONS	ITALIA	

**PHOTOVOLTAICS MARKETS IN THE
MEDITERRANEAN -ASSESSMENT OF POTENTIAL
AND BARRIERS, ACTION PLAN FOR DEVELOPMENT**

Action Nr: STR-0938-1996-GR

Starting Date: 01-Dec-96

ONGOING

Aims and objectives

To update basic data and results from previous study from 1989 on PV far isolated islands. This study will be expanded to identify PV potential in Greece. An action plan will be defined to stimulate PV activities.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The project has 4 key phases as follows:

Phase 1: Enhancement of the study aimed to analyse specific large and niche markets for photovoltaics in Greece and to identify the relevant potential and cost effectiveness.

Phase 2: Identification of existing barriers and methods of overcoming them.

Phase 3: Identification and preliminary evaluation of appropriate cases for PV demonstration activities.

Phase 4: Dissemination of appropriate information to key decision makers and users.

Expected Results

The following results are expected:

The identification of the reasons for the limited number of PV applications in Greece.

The production of an action plan for the stimulation of the PV market in Greece.

The identification of potential sites for PV activities.

Increased awareness amongst key decision makers and potential users of PV applications in specific areas.

Finance

EU Support: 66.473 ECU

Eligible cost: 102.267 ECU

Contact

Co-ordinator: CENTER FOR RENEWABLE ENERGY SOURCES
Address: 19TH KM ATHINON MARATHONOS AVE.
190 09 PIKERMI
ELLAS

Responsible: KOSTIS PERRAKIS
Tel: 30 1 60 39 900
Fax: 30 160 39 904 /11
Email:

Participants: CESEN SPA

ITALIA

Action Nr: STR-0939-1996-GB

Starting Date: 01-Feb-97

ONGOING

Aims and objectives

The main aims of the project is to reduce the cost of wind generated electricity. It has the following intermediate aims and objectives :

- To minimise the cost of money available to wind farm developers by allowing banks to make a realistic estimate of risk.
- To identify and quantify all the uncertainties associated with the inputs to the economic analysis of a wind farm development.
- To assess the impact of the uncertainties on lay financial indicators for a range of example projects.
- To investigate methods of reducing the risk associated with the project.
- To provide a handbook which can be used for risk analysis of wind farm projects.

Description

The first task of the project is to identify areas of risk to a wind farm project. The broad areas of risk have been defined and include the following: Sponsor/completion; Technology, Input/Supply; Offtake/Sales, Operating, Approvals/Environmental risk, Insurance, Financial risks.

Each of the risk areas will be assessed in detail as part of the second task. Progress has been made in the formation of a database addressing the different forms of financing which have been employed in real wind farm projects and in the establishment of a "risk register". An appropriate methodology has been identified and has been employed on example wind farms.

Expected Results

It is envisaged that one of the main achievements of the project will be to improve the understanding of the risks associated with wind farm projects such that improved risk management techniques can be employed. The production of a hand book which can be used for risk analysis of wind farm projects will play important role in the dissemination of the findings of the project. The findings of the project are expected ultimately to reduce the cost of wind generated electricity. This will assist the increased penetration of wind energy providing increased business opportunities for all organisations active in the wind energy field. The project participants expect new business opportunities to arise as a result of the study.

It is envisaged that the results of this project will have a direct positive impact on the number of wind energy developments which are successfully financed. It is also expected that improved risk management strategies will improve the performance of future wind farms.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support: 185.585 ECU

Eligible cost: 274.650 ECU

Contact

Co-ordinator: GARRAD HASSAN AND PARTNERS LIMITED
 Address: THE COACH HOUSE, FOLLEIGH LANE, LONG ASHTON
 BS18 9JB BRISTOL
 UNITED KINGDOM

Responsible: ANDREW GARRAD
 Tel: 44 1275 394 361
 Fax: 44 1275 394 361
 Email:

Participants: BAYERISCHE VEREINSBANK AG
 ENERNOVA NOVAS ENERGIES S.A.
 HAMBROS BANK LIMITED

DEUTSCHLAND
 PORTUGAL
 UNITED KINGDOM

Action Nr: SUP-0940-1996-GR

Starting Date: 01-Dec-96

ONGOING

Aims and objectives

The aim of the proposal is to promote the use of new and sustainable energy technologies for water production in the Mediterranean. The main objective is to convey existing results of previous related EC programmes (e.g. THERMIE, JOULE, APAS) to industrial entities, decision-makers and end-users. A specific objective is to produce a "Desalination guide using Renewable Energies"

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The desalination guide of approx. 100 pages will contain the following chapters : RES technology overview, overview of desalination technology, RES-desalination coupling, design methodologies, case studies, financing possibilities. A RES-desalination directory, as well as a compilation of EC funded RES desalination activities and of major RES desalination installations will be given as annexes.

Expected Results

The guide should increase awareness of potential users on the possibilities of using RES for water desalination and provide decision makers with relevant and up-to-date information on the subject. A draft of the guide was submitted in February 1998.

Finance

EU Support: 45.500 ECU

Eligible cost: 70.000 ECU

Contact

Co-ordinator: CENTER FOR RENEWABLE ENERGY SOURCES
 Address: 19TH KM.ATHINON MARATHONOS AVE.
 190 09 PIKERMI
 ELLAS

Responsible: PLATON BALTAS
 Tel: 30 1 60 39 900
 Fax: 30 160 39 904 /11
 Email:

Participants: UNIVERSIDAD DE LAS PALMAS DE GRAN CANARIA

ESPAÑA

ALGERIA - SEMINAR ON OIL AND GAS PIPELINE INTEGRITY

FF

OG

Action Nr: SME-0941-1996-IT

Starting Date:

ONGOING

Aims and objectives

The proposed action aims to a technology and know-how transfer to a Country which, for its energy sources of oil and gas, has a primary importance for the European Countries facing the Mediterranean.

This action is aimed to update the managers and the engineers of the Algerian operating Companies on the technologies dedicated to the global maintenance of pipeline and relevant auxiliary systems.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

Seminar Preparation :

The proposers will develop a detailed programme for the transfer of know-how and technologies which is the main objective of the Seminar. Each field will be developed indicating the European updated approach to face the various problems, and producing demonstration of the optimised results through history cases.

the documentation prepared for the seminar will be in French.

Seminar Attendance :

The seminar will be held at Hassi-Messaoud. The seminar will be dedicated to 15-20 participants selected between the Managers of design, construction and operation for the national Company in charge of oil and gas production and distribution. The various themes treated by the EU experts will cover the following aspects : pipe line Corrosion, corrosion control monitoring, pipeline protection, pipeline coating, assessment of the existing situation, rehabilitation approach, maintenance management, case histories.

For each field theoretical presentation will be supported by case histories.

Expected Results

EU companies with innovative technologies on global pipeline maintenance and, particularly, on pipeline corrosion protection will be introduced to the Algerian maintenance market. This will constitute a valid support to their marketing effort outside EU, to face the strong competition already existing in the Country.

the transfer of know-how on the subject could also create the possibility for developing specialised SMEs in Algeria, which could take care of specific problems in co-operation with EU Companies which have already developed the technology.

Finance

EU Support: 35.000 ECU

Eligible cost: 53.000 ECU

Contact

Co-ordinator: OPET CESEN COMERINT
Address: VIA PAOLO DI DONO 223
00142 ROMA
ITALIA

Responsible: MR G. VALENZA
Tel: 39 6 51990 754
Fax: 39 6 51990 722
Email: g.valenza.comerint@agora.stm.it

Participants: GOPA-CONSULTANTS

DEUTSCHLAND

ASSESSMENT OF TRANSPORT ENERGY SAVING THROUGH TELECOMMUTING

RUE
TR

Action Nr: DIS-0944-1996-FR

Starting Date: 01-Dec-96

COMPLETED

Aims and objectives

The action makes use of the output of research and demonstration programmes regarding telecommuting initiated by the EU (Sabre, Ora, Patra, Teleurba, etc.) and of the results of other experiments, in order to assess opportunities for energy savings by the implementation of telecommuting. It includes a brief review of activities related to telecommuting in EU programmes, an analysis of case studies on selected experiments together with an assessment of related energy savings.

Description

The assessment of traffic reduction and energy saving related telecommuting will be based upon a brief review of existing telecommuting programmes and case studies of relevant telecommuting projects in EU.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Achieved Results

The action should allow to assess quantitatively and qualitatively the impacts and implications of telecommuting regarding energy efficiency and environments. It complements existing programmes which focus on social, economical and technological aspects of telecommuting.

Finance

EU Support:	55.075 ECU	Eligible cost:	84.725 ECU
-------------	------------	----------------	------------

Contact

Co-ordinator:	BCEOM	Responsible:	MOHAMED MEZGHANI
Address:	PLACE DES FRÈRES MONTGOLFIER 78286 GUYANCOURT FRANCE	Tel:	33 1 30 12 49 90
		Fax:	33 1 30 12 10 95
		Email:	
Participants:	ADEME INSTITUT WALLON / ENERGIUM 2000 MOTIVA	FRANCE BELGIQUE SUOMI	

Action Nr: STR-0946-1996-IT

Starting Date: 01-Jan-97

ONGOING

Aims and objectives

The aim of this action is to transfer the benefits of the results obtained by the RUE in Hospitals projects of the JOULE-THERMIE programme. This transfer will be achieved by a series of concerted actions developed for this objective. This would therefore facilitate the market penetration of relevant technologies.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

There are 6 phases to this action:

Phase 1: The formation of a steering committee.

Phase 2: Preparation of 6 leaflets in Italian which would take the form of a four page flag brochure.

Phase 3: Organisation of 3 workshops in Italy.

Phase 4: Monitoring of the effects.

Phase 5: Evaluation and follow-up.

Phase 6: Reporting

Expected Results

It is expected that this action will significantly reduce the problems which are currently encountered by Italian energy managers.

Finance

EU Support: 110.400 ECU

Eligible cost: 184.000 ECU

Contact

Co-ordinator: SOGES SPA.
Address: CORSO TURATI, 49
10128 TURIN
ITALIA

Responsible: MR. ANTONIO MARIA BARBERO
Tel: 39/11/319 08 33
Fax: 39/11/319 02 92
Email:

Participants: AGENCE POITOU CHARENTES ENERGIE DÉCHETS EAU
BRECSU OF BRE
ICAEN
NATIONAL AGENCY FOR NEW TECHNOLOGY, ENERGY AND THE ENVIRONMENT

FRANCE
UNITED KINGDOM
ESPAÑA
ITALIA

DISSEMINATION OF INFORMATION ON PHOTOVOLTAICS IN THE THERMIE PROGRAMME VIA YEARBOOKS AND SPECIALIST WORKSHOPS

RES
PV

Action Nr: DIS-0947-1996-GB

Starting Date: 01-Dec-97

ONGOING

Aims and objectives

To disseminate experience produced based on Thermie PV programme material in order to illustrate guidance and increase market confidence.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The organisation of 4 specialist workshops & production of 4 good practice documents on:

Monitoring PV systems, Italy
Building Integrated PV system, UK
PV for rural electrification, Spain
PV in the sustainable city of the future, The Netherlands

Expected Results

Four documents will be written, one for each workshop. These will be published in English and 500 copies of each printed.

Wider awareness of PV and its applicability in the various topics covered along with an understanding of what constitutes good practice will aid PV businesses active in the various topic areas.

The workshops objective is to share the results of European and national PV projects and to work together on recommendations for actions needed to assist in the upscaling of PV in the European cities and rural areas.

Finance

EU Support:	120.000 ECU	Eligible cost:	170.000 ECU
-------------	-------------	----------------	-------------

Contact

Co-ordinator:	HGA LTD	Responsible:	D.K. MUNRO
Address:	BURDEROP PARK, SWINDON SN4 0QD WILTSHIRE UNITED KINGDOM	Tel:	44 1793 814756
		Fax:	44 1793 815020
		Email:	dkm@hga.co.uk
Participants:	ECOFYS COOPERATIEF ADVIES- EN ONDERZOEKSBUREAU U.A. JOINT RESEARCH CENTRE - INSTITUTE FOR SYSTEMS ENG. & INFORMATICS KEMA NEDERLAND BV TRAMA TECNOAMBIENTAL SL	NEDERLAND ITALIA NEDERLAND ESPAÑA	

INTEGRATION OF EUROPEAN ENERGY SAVING TECHNOLOGIES IN HOSPITALS IN THE CZECH REPUBLIC AND SLOVAKIA BY DISSEMINATION

Action Nr: DIS-0954-1996-DE

Starting Date: 01-Jan-97

ONGOING

Aims and objectives

Improve awareness of planning engineers and technical managers of hospitals in the Czech Republic and Slovakia about the application possibilities of European energy saving technologies in the field of HVAC, energy management systems, cogeneration, etc. and to improve the capability and the know how to integrate them into the refurbishment measures in hospitals. This will be reached by the organisation of a workshop on energy efficient technologies in both countries, the preparation of a training course for engineers, planners and technical managers of hospitals in the Czech Republic and Slovakia and the edition of a handbook for efficient use of energy in hospitals especially adapted to Czech and Slovakian frame conditions

Description

The work programme contains 3 phases:

Phase I: Organisation of 2 workshops on energy technologies in hospitals

Phase II: Development and organisation of training courses in the Czech Republic and Slovakia

Phase III: Elaboration of a handbook for the training courses

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Achieved Results

Workshops and training seminars have been conducted in Brno, Czech Republic, on 8-10 Oct./18-19 Nov.1997 and in Bratislava (20/21 November 1997)

Finance

EU Support: 115.000 ECU

Eligible cost: 180.000 ECU

Contact

Co-ordinator: ZENTRUM FÜR RATIONELLE ENERGIEANWENDUNG UND UMWELT

Address: WIESHUBERSTRASSE 3
93059 REGENSBURG
DEUTSCHLAND

Participants: ECOTEC RESEARCH AND CONSULTING
O.Ö. ENERGIESPARVERBAND

Responsible: TONI LAUTENSCHLÄGER
Tel: 49 941 46419 0

Fax: 49 941 46419 10
Email: fenzl.zreu@t-online.de

UNITED KINGDOM
ÖSTERREICH

DEVELOPMENT OF TRAINING PROGRAMMES FOR THE EDUCATION OF CRAFTSMEN AND PLANNERS IN TUNESIA

RES
SE

Action Nr: DIS-0958-1996-DE

Starting Date: 01-Jan-97

ONGOING

Aims and objectives

Aim of the task is to achieve a know-how transfer craftsmen and planners for HVAC technology in Tunisia. It foresees the design and organisation of specialised training courses in the field of HVAC and electricity in Tunisia under the use of selected European technologies. Technology sectors to be covered are solar thermal installations and PV plants for both grid-connected and stand alone applications. The training will include assistance as to develop the training as self-sustained programme succeeding this activity. In parallel, a comprehensive guidebook will be established with assistance from EU technology suppliers under consideration of existing material as to adapt to local requirements.

Description

Development of the concept of the training courses covering solar thermal plants for DHW, hotels and other applications, grid connected and stand alone PV installations. Elaboration of handbooks including technology characterisation, European state-of-the-art and further prospects, standards, financing schemes, support possibilities and a manufacturer inventory of European technology suppliers.

Training course implementation and follow-up activities.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Expected Results

Studies and other scientific evaluations show that a wider application of solar energy does depend importantly on the capability of the regional craft to achieve installations to a viable quality level. The training courses and the accompanying handbook are expected to contribute to a know-how transfer and to represent a 'carrier' for technology transfer from EU to the Tunisian market. Using successful examples of previous Thermie supported technologies will further enhance a dissemination of those to the potential market.

Finance

EU Support:	105.000 ECU	Eligible cost:	148.000 ECU
-------------	-------------	----------------	-------------

Contact

Co-ordinator: ZENTRUM FÜR RATIONELLE ENERGIEANWENDUNG UND UMWELT

Address: WIESHUBERSTRASSE 3
93059 REGENSBURG
DEUTSCHLAND

Participants: CENTER FOR RENEWABLE ENERGY SOURCES

Responsible: TONI LAUTENSCHLÄGER
Tel: 49 941 46419 0

Fax: 49 941 46419 10
Email: fenzl.zreu@t-online.de

ELLAS

DAMPS (DOWNTIME ANALYSIS FOR MARGINAL FIELD PRODUCTION SYSTEMS) WORKSHOP, CORK, REPUBLIC OF IRELAND, JANUARY 97

FF

OG

Action Nr: SME-0960-1996-GB

Starting Date: 01-Sep-96

ONGOING

Aims and objectives

This proposal aims to organize and manage a workshop to further disseminate information on "DAMPS" developed through a successfully completed EC funded demonstration project. There is considerable interest from oil companies and SMEs for this technology.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

Selection of venue
 Selection of speakers (keynote and technical), preparation of Programme
 Preparation of letters with guidelines to speakers
 Advertising via technical journals; Preparation of target mailing list
 Production and distribution of Programme/Registration Form (further to approval by DGXVII) to targeted audience
 Production of presentation packs for workshop delegates
 Liaise with speakers, conference venue
 Register delegates, issue confirmations, prepare badges
 Attendance at workshop
 Preparation of Event report

Expected Results

The one-day workshop will aim to attract an audience of 40-60 persons.
 The target audience will be offshore operators and offshore design consultants, who would use the product to determine exploration and production efficiency. Technology transfer of the DAMPS system will reduce drilling costs and will lead to more efficient drilling programmes.
 The workshop is expected to increase the awareness and potential sales of the DAMPS system.

Finance

EU Support: 30.000 ECU Eligible cost: 45.000 ECU

Contact

Co-ordinator: CENTRE FOR MARINE AND PETROLEUM TECHNOLOGY
 Address: EXPLORATION DR, OFFSHORE TECHNOLOGY PARK
 AB23 8GX ABERDEEN
 UNITED KINGDOM

Responsible: JONATHAN SHACKLETON
 Tel: 44/1224 706600
 Fax: 44/1224 706601
 Email: d.shackleton@cmpt.co.uk

Participants: THE IRISH ENERGY CENTER

IRELAND

CONFERENCE ON ENHANCED TECHNOLOGIES FOR MARGINAL FIELD PRODUCTION, LONDON, JUNE 1997

FF

OG

Action Nr: SME-0965-1996-GB

Starting Date: 01-Jun-96

ONGOING

Aims and objectives

This action has the following aims:

- To provide a platform for the promotion of innovative European technologies in the strategic sector of marginal field production.
- To highlight and explore the key technical areas in which new research and development is required.
- To encourage the integration of the new Member States of the European Union by including the participation of representative organisations from Sweden and Finland.

Description

Confirmation of Title, Theme and Date, Initial identification of potential authors and keynote speakers (1st management committee meeting)
 Search for potential presentations and speakers
 Review potential authors, identify referees, compose programme and select keynote speakers/chairmen (2nd management committee meeting)
 Detailed advertising
 Conference
 Preparation of Proceedings

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Achieved Results

The conference included papers from the UK, Sweden, Denmark, France and Canada; of particular interest were the presentations by senior Swedish engineers and scientists on revolutionary technologies which may have been known in Scandinavia but which were unfamiliar to other European in the audience.

This conference may well have been the medium force transfer of technology between newer and older MS of the UE. It appeared that there was considerable potential for collaboration between presenters on remote technologies.

Finance

EU Support:	100.000 ECU	Eligible cost:	145.000 ECU
-------------	-------------	----------------	-------------

Contact

Co-ordinator: CENTRE FOR MARINE AND PETROLEUM TECHNOLOGY
 Address: EXPLORATION DR. OFFSHORE TECHNOLOGY PARK
 AB23 8GX ABERDEEN
 UNITED KINGDOM

Responsible: JONATHAN SHACKLETON
 Tel: 44/1224 706600
 Fax: 44/1224 706601
 Email:

Participants: SWEDISH TRADE COUNCIL
 THE FINNISH FOREIGN TRADE ASSOCIATION

SVERIGE
 SUOMI

Action Nr: SME-0966-1996-GB

Starting Date: 01-Jan-97

ONGOING

Aims and objectives

The two day in September '98 seminar will provide a platform for the latest innovative geoscience disciplines. In particular there are six exploration and geoscience projects which have recently been successfully completed under the THERMIE programme and are now ready for market.

Description

Selection of Organizing Committee

Organizing Committee Meeting to decide conference title, venue and date, identify potential authors, keynote speakers, poster session.

Selection of conference venue and accommodation

Preparation and distribution of first circular.

Organising Committee Meeting to select papers, group into sessions, chairmen, exhibitors and VIP's

Preparation and distribution of Final Programme and Registration Form, advertising

Liaison with speaker and exhibitors

Registration of delegates, booking of accommodation

Attendance and management of event

Preparation and distribution of event proceedings

Expected Results

The seminar will increase the awareness of the THERMIE Programme and the penetration of innovative EU technologies in the expanding markets of Eastern Europe.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support: 80.000 ECU

Eligible cost: 120.000 ECU

Contact

Co-ordinator: CENTRE FOR MARINE AND PETROLEUM TECHNOLOGY
Address: EXPLORATIONDR. OFFSHORE TECHNOLOGY PARK
AB23 8GX ABERDEEN
UNITED KINGDOM

Responsible: JONATHAN SHACKLETON
Tel: 44/1224 706600
Fax: 44/1224 706601
Email: j.shackleton@cmpt.co.uk

Participants: O.Ö. ENERGIESPARVERBAND

ÖSTERREICH

DISSEMINATION CONFERENCE ON THE RESULTS OF NATURAL GAS VEHICLES FOR EUROPEAN CITIES

RUE**TR**

Action Nr: DIS-0967-1996-NL

Starting Date: 01-Jul-97

COMPLETED

Aims and objectives

This action aims at the promotion of urban traffic management as well as Natural Gas (NG) as a fuel for the total pallet of vehicles from cars to trucks by summarising isolated efforts, analysing experiences, developing implementation strategies in 2 european conferences. The events is essential in the information sharing process. Stake-holders involved in innovative technology programmes can discuss successes and constraints in adopting cleaner burning fuels, vehicles and traffic management concepts with other policy makers and vehicles users. The proceedings record the actions on innovations in clean urban transport technologies. This informs people about the advantages of clean fuel technologies and combined urban traffic management, further promoting improved air quality management and pollution reduction programmes in urban and rural areas.

Description

The programme supports actions of NGV Europe, the demonstration programme for urban NGV's. Participants and stakeholders have communicated their experiences, including management, political, technical, and practical actions resulting from the use of natural gas vehicles (NGVs) in the urban setting. Collection of emissions data and operations/maintenance data have been discussed, to ensure the systematic and comparability of the data collected. Information dissemination to the media will help generate further awareness, and hopefully support for NGVs in Europe as a pollution reduction strategy.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Achieved Results

- 1) Networking of various stakeholders in the programme (16 cities), who can share opportunities of each other;
 - 2) Identifying opportunities for Original Equipment Manufacturers (OEMs), who are looking for sales to additional customers, and who want to enhance their service and distribution of NGVs;
 - 3) For equipment suppliers, and especially installers of NGV fuelling infrastructure, to identify growth opportunities and new customers who will install NGV fuel stations ;
 - 4) To create ideas and concepts; based upon practical experiences, for governments (including the EU) to provide incentives for further business development involving NGV's.
- Manufacturers of new technologies, such as lightweight fuel storage cylinders, will find market opportunities resulting from the workshop. Other technologies such as systems to improve thermal efficiencies of heavy duty natural gas engines may find demonstration and sales opportunities. LNG systems, now just starting to develop in Europe will see opportunities for LNG on vehicles and for fuelling stations using LNG-to-CNG methods to create cost reduction strategies for natural gas fuelling stations.

Finance

EU Support: 30.000 ECU

Eligible cost: 0 ECU

Contact

Co-ordinator: STICHTING EUROPEAN NATURAL GAS VEHICLE ASSOCIATION

Address: SPAKLERWEG 28
1096 BA AMSTERDAM
NEDERLAND

Responsible: DR. JEFFREY SEISLER

Tel: 31 20 5973100

Fax: 31 20 5973000

Email: engva@evronet.nl

Participants: ELECTRABEL
INNOTECH SYSTEMANALYSE GMBHBELGIQUE
DEUTSCHLAND

MARKET INTRODUCTION SUPPORT OF PV-SYSTEMS FOR THE ELECTRIC PROPULSION OF BOATS

RES**TR**

Action Nr: DIS-0972-1996-NL

Starting Date: 01-Jul-96

ONGOING

Aims and objectives

The aim of this project is to further demonstrate the use of PV-electric drives for the propulsion of recreational boats among the target group of users (ship building industry) and to support the opening of the market. PV-electric propulsion systems for ships are viable and proven alternatives for conventional drives.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

Three activities to disseminate this technology and to support the market introduction :

- production of 15000 booklets
- organisation of stands on shipping and boat fairs
- organisation of workshops for shipyards and PV-dealers.

Expected Results

The result of the action will be increased awareness among the target groups of users and dealers of the possibilities of PV-systems for the household energy production on boats and for electric propulsion. Fifteen thousand booklets will be produced and dispersed. Six workshops will be organised for relevant PV-dealers in The Netherlands, Germany and Belgium. Twelve stands will be organised on fairs in three countries.

The introduction of this technology will be given an important push, accelerating the opening of the market with a technical potential of hundreds of thousands of boats and hundreds of MWp in Europe.

Finance

EU Support: 180.000 ECU

Eligible cost: 300.000 ECU

Contact

Co-ordinator: ECOFYS COOPERATIEF ADVIES- EN ONDERZOEKSBUREAU U.A.
Address: KANAALWEG 95
3533 HH UTRECHT
NEDERLAND

Responsible: FPH WOUTERS
Tel: 31 30 2 913 433
Fax: 31 20 2 913 401
Email:

Participants: SOLTECH

BELGIQUE

A MULTIMEDIA INFORMATION AND TRAINING PACKAGE FOR THE PROMOTION OF RATIONAL USE OF ENERGY

ALL
GEN

Action Nr: DIS-0974-1996-IE

Starting Date: 01-Jan-97

ONGOING

Aims and objectives

This action proposes to use a multimedia technology to :

- 1) Increase awareness of financial and environmental benefits of RUE
 - 2) Improve competence with SME's and other energy using organisations
 - 3) Stimulate RUE investment activity within SME's
- A CD-ROM at INTERNET server will be implemented as a first phase Action.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

There are 5 phases to this project:

Phase 1: Review of RUE information and multimedia development tools currently available.

Phase 2: Selection and preparation of appropriate information for target groups.

Phase 3: Development of the product range, based on materials collected.

Phase 4: Distribution of the applicants.

Phase 5: Review and evaluation of the project.

Expected Results

The project is expected to produce clearly identifiable deliverables in the form of a CD ROM and Internet based interactive multimedia information and training package. The final product range could be used by training organisations throughout Ireland, UK and Europe.

Finance

EU Support: 158.293 ECU

Eligible cost: 316.585 ECU

Contact

Co-ordinator: CADCO LIMITED
Address: TRAFALGAR HOUSE, MONTENOTTE
CO. CORK
IRELAND

Responsible: DR. EAMON MC KOEGH
Tel: 353 21 500125
Fax: 353 21 502148
Email:

Participants: INTEGRATED ENERGY SYSTEMS LIMITED

UNITED KINGDOM

Action Nr: DIS-0976-1996-IE

Starting Date: 01-Jan-97

ONGOING

Aims and objectives

Preparation and diffusion through INTERNET of three short courses on building energy efficient schemes and technologies (daylighting, design, heating and cooling systems)

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The project has 3 main tasks :

Task 1 : It is concerned with establishing the training server (by ERG) and the production of the training course.

Task 2 : Three individual courses will be prepared for hosting over the WWW. These include :

- Daylight in buildings (ERG)

- The use of design tools for energy efficient design (ESRU)

- Energy efficient heating and cooling systems (IDMEC)

Task 3 : Assessment of the effectiveness of the training courses. The participants will be requested to complete a feedback form, to comment on the course content, duration, style of presentation and, most importantly, the manner in which they have participated and how they reacted to the media used.

Expected Results

It is expected that each of the courses provided will be over-subscribed. This is based on current activity on the WWW in the area of energy efficiency in the building sector. However, a limit of 30 participants will be adhered to, so that each one receives individual tutoring and ERG receive realistic feedback at the end of the courses.

Finance

EU Support:	38.400 ECU	Eligible cost:	64.000 ECU
-------------	------------	----------------	------------

Contact

Co-ordinator: UNIVERSITY COLLEGE DUBLIN

Address: SCHOOL OF ARCHITECT, RICHVIEW, CLONSKEAGH
DUBLIN 14
IRELAND

Responsible: JAMES OWEN LEWIS

Tel: 353 12 692750

Fax: 353 12838908

Email:

Participants: ENERGY SYSTEMS RESEARCH UNIT
INSTITUTO DE ENGENHARIA MECANICA

UNITED KINGDOM
PORTUGAL

Action Nr: SME-0979-1996-GB

Starting Date: 01-May-97

ONGOING

Aims and objectives

The aim of this action is to stimulate the implementation of sound energy management and low/no cost energy efficient technology in SMEs by using supply chain pressure. The objective is to persuade large companies who have already demonstrated a commitment to effective energy management to hold energy efficiency workshops for their suppliers, many of which will be SMEs. Where appropriate the seminars will also cover the environmental implications of energy efficiency and waste minimisation issues. Another objective consists to produce sector specific European newsletters and articles to promote the results of the workshops and so secure wider deployment of this approach. Where sector specific newsletters already exist, the editor will be asked to publish "Supply Chain" edition e.g. the European Textiles newsletter which is supported by THERMIE.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

- . 24 supply chain events to be held in UK, Spain, Austria and Germany : feed-back questionnaires, telephone survey
- . 2 copies of a Pan European newsletter to be produced
- . articles about the project will be placed in relevant journals
- producing a supply chain newsletter

Expected Results

- . minimum of 30 delegates at each seminar (120-total)
 - . newsletter mailed to 20,000 companies
 - . feedback questionnaires and post event follow up to show companies have taken energy efficient actions.
- Companies which implement & achieve energy savings are expected to become more competitive and re-invest the money saved into expansion.
- More investment in energy efficient technologies, monitoring and targeting systems are also expected.

Finance

EU Support: 176.282 ECU

Eligible cost: 271.203 ECU

Contact

Co-ordinator: ETSU
 Address: HARWELL 156
 OX11 ORA DIDCOT
 UNITED KINGDOM

Responsible: CATHERINE M. CORCORAN
 Tel: 44 1235 43 6744
 Fax: 44 1235 436461
 Email:

Participants: GOPA-CONSULTANTS
 ICAEN
 TECCO TRADING ENGINEERING CONSULTING COMPANY

DEUTSCHLAND
 ESPAÑA
 ÖSTERREICH

RENEWABLE ENERGY IN AGRICULTURE AND FOR RURAL DEVELOPMENT

FAIR "PLEIN CHAMPS" 13-15 SEPTEMBER 1996

RES
GEN

Action Nr: DIS-0981-1996-FR

Starting Date: 01-Jun-96

COMPLETED

Aims and objectives

Farmers, members of CUMA (Cooperatives for sharing farm equipments) have chosen for their 8th annual fair (the greatest in France organized by the farmers themselves) the theme of local development. SOLAGRO has been asked to implement an action to sensitize visitors to the interests and possibilities of renewable energy in agriculture and rural areas. 20.000 visitors are expected: farmers, people in charge of all kinds of organisations dealing with agriculture, local elected politicians... The specificity of the exhibition is to give priority to demonstrations (7 real scale : biogas digester, solar dryers, PV, wind-mill... + different stands grouped in a "RE village"). SOLAGRO and its partners will set up a real scale show and organize a permanent forum in order to valorize exemplary projects, notably THERMIE ones, to show the interest of RE in different fields to farmers, to initiate cooperation between partners of different EU countries.

Description

The Village of Renewable Energies, stands on a 250 m² area, regrouping stalls and exhibition of partners from 6 EU countries (FR, AT, DK, ES, DE, CH), a forum place, a RE bookshop, a video and multimedia space, 17 technical cards about prominent Renewable Energy Plants and an exhibition with 18 boards.

The demonstration takes place on the 40 ha of the forum which receives the fair :

- the slurry tank changed into a biogas digester (DK technology)
- 2 solar dryers (fruit & fodder) (D & FR technologies)
- a 5 kW wind-mill
- photovoltaic plants
- fuel wood
- raw vegetable oil
- solar water heaters for the restaurants, solar shower, etc...
- A succession of 9 mini forums or lectures is proposed to partners and visitors. A conference-debate is foreseen on the topic of RE and local development.

Achieved Results

- 29000 visitors have been recorded, they were probably more than 32000.
- 8000 of them attended the demonstration of the renewable energies itinerary and/or specially visited the RE village
- about 800 of them took part in the forums and lecture
- A lot of people involved in collective or cooperative practices have clearly understood that new behaviours of development and partnership might crystallize around RE Contacts and new cooperations between European operators have been made.
- several collective projects have been started after the show or else are under preparation (monitoring of the slurry tank "digester", study travel in Austria and Denmark, wind energy programme)
- The choice of setting up life size demonstrations and of exhibiting a rather complete panorama of the different kinds of RE to a mostly rural and agricultural public, allowed a genuine sensitization of people who are not the usual target of RE events. An enquiry among the participants has shown their great satisfaction concerning the action organisation.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support:	132.000 ECU	Eligible cost:	264.000 ECU
-------------	-------------	----------------	-------------

Contact

Co-ordinator: SOLAGRO - ASSOCIATION LOI 1901
Address: 219 AVENUE DE MURET
31300 TOULOUSE
FRANCE

Responsible: MADELEINE CHARRU
Tel: 33 61 59 56 16
Fax: 33 61 59 98 41
Email:

Participants: COWI CONSULT
REGION GÜSSING

DANMARK
ÖSTERREICH

PACKAGE OF PROMOTIONAL AND DISSEMINATION ACTIVITIES RELATIVE TO THE BUILDING TARGETED PROJECT REMMA

RUE

BU

Action Nr: DIS-0984-1996-IT

Starting Date: 01-Jan-97

ONGOING

Aims and objectives

The proposed action is aiming at producing the effective dissemination of the technologies successfully developed and implemented in the buildings included in the project REMMA. The general objective is to stimulate the building sector to have a clear perception that the proposed energy saving solutions are easy to implement, available in their local region, cost effective, user friendly and well accepted by the final user. The proposed package of actions consists of a series of subactions that are specifically addressed to the different actors in the building sector, in order to satisfy their particular needs such as architects and engineers, builders, installers and final users.

Description

Planning, structuring, organisation and follow-up of a promotional activities relative to the building targeted project REMMA :

- one general presentation seminar
- one maxibrochure (English language)
- two national work-shops with on-site visits (Italy, Spain)

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Expected Results

The results of the proposed action will be the increasing and improving of the production and the use of energy efficient and environmental friend building materials and technologies, by stimulating their application in the building sector, which traditionally is very reluctant to changes.

The results achieved in the framework of the targeted project REMMA can be tangibly and practically reimplemtable in any other similar context and their dissemination will be developed by the mean of technical workshops, visits, publications where solutions will be described, the materials produced will be explained and handed to relevant actors, interested in developing similar solutions.

Finance

EU Support: 156.000 ECU

Eligible cost: 240.000 ECU

Contact

Co-ordinator: ICIE
Address: VIA NOMENTANA 133
00161 ROMA
ITALIA

Responsible: MARIA MELCHIORRI
Tel: 39 6 8549141
Fax: 39 6 855 02 50
Email:

Participants: CABOUCO, COOPERATIVA DE CONST. CIVIL, CRL
FUNDACIO PRIVADA INSTITUT ILDEFONS CERDAS

PORTUGAL
ESPAÑA

Action Nr: DIS-0990-1996-ES

Starting Date: 01-Oct-96

ONGOING

Aims and objectives

To evaluate the different possibilities of modifying the automotive battery design, in order to optimize its behaviour. To disseminate this information among battery manufacturers.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

Review of the battery production in Bolivia and Brazil, selecting two particular companies, as representative case studies.

Testing of some car batteries having been operated in SHS for several years.

Elaboration of a document on guidelines for "Solar Battery" manufacturing and presentation in a specific meeting to be held in São Paulo

Expected Results

Improving of local production of solar batteries in Brazil and Bolivia.

Lowered cost of SHS is expected while keeping high quality standards, so that the SHS market must increase.

A Bolivian company is already investing to improve its production facilities.

Improvement of local production technology.

Finance

EU Support: 80.005 ECU

Eligible cost: 160.009 ECU

Contact

Co-ordinator: INSTITUTO DE ENERGIA SOLAR

Responsible: EDUARDO LORENZO

 Address: ETSI TELECOMINICACION
28040 MADRID
ESPAÑA

Tel: 341 5 44 10 60

Fax: 341 5 44 63 11

Email:

Participants: FRAUNHOFER - INSTITUT FÜR SOLARE ENERGIESYSTEMEISE

DEUTSCHLAND

INFLUENCE OF THE EUROPEAN ECO-MANAGEMENT AND AUDIT SCHEME ON THE ENERGY EFFICIENCY OF SMES



Action Nr: STR-0994-1996-DE

Starting Date:

ONGOING

Aims and objectives

To demonstrate the impact of participation in the Eco-Audit Regulation in energy efficiency in SMEs. To show the management and technology measures used by SMEs in this scheme. To develop an instrument to enable SMEs to optimise their energy efficiency without needing much external help.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The work consists of three phases :

- investigation into general approach of the eco-audit regulation concerning the saving of energy.
- analysis of the actual impact of the implementation of the eco-audit regulation on use of energy on SMEs.
- dissemination of the project results-practical handbook.

Expected Results

- To make companies aware of their total energy consumption,
- To include quantitative targets concerning the improvement of the companies energy efficiency into management objectives,
- To reduce companies overall energy requirement.

Finance

EU Support: 130.000 ECU

Eligible cost: 200.000 ECU

Contact

Co-ordinator: ZENTRUM FÜR INNOVATION UND TECHNIK GMBH
 Address: DOHNE 54
 45468 MÜLHEIM AN DER RUHR
 DEUTSCHLAND

Responsible: DR. HERBERT RATH
 Tel: 49 208 30004-0
 Fax: 49 208 30004-29
 Email:

Participants: BRANDENBURGISCHE ENERGIESPAR-AGENTUR GMBH
 ENERGY CENTRE DENMARK
 ICAEN
 IMPERIAL COLLEGE CENTRE FOR ENVIRONMENTAL TECHNOLOGY
 INSTITUT WALLON / ENERGIIUM 2000

DEUTSCHLAND
 DANMARK
 ESPAÑA
 UNITED KINGDOM
 BELGIQUE

Action Nr: SUP-0995-1996-ES

Starting Date: 01-Jan-97

ONGOING

Aims and objectives

The proposal concerns the establishment of standards for PV modules and systems, to be used in systematic quality controls in solar home systems (rural electrification specially in Developing Countries).

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The technical standards for SHS currently used are far from being consistent. This diversity of standards represents a general problem, specially for the European PV industry, which has a strong export vocation.

Expected Results

- 1) A document on the comparison of today existing technical standards for SHS.
 - 2) A document on a proposed technical standard of universal application.
- THE SHS market would be dramatically increased if SHS keep high quality standards commonly accepted. Copies of the Guidelines document will be distributed between the European PV industry, in order to provide them with a new instrument of market penetration; and also between rural electrification promoters.

Finance

EU Support: 90.413 ECU

Eligible cost: 120.551 ECU

Contact

Co-ordinator: INSTITUTO DE ENERGIA SOLAR
 Address: ETSI TELECOMINICACION
 28040 MADRID
 ESPAÑA

Responsible: EDUARDO LORENZO
 Tel: 341 5 44 10 60
 Fax: 341 5 44 63 11
 Email:

Participants: GENECE
 WIP-KG RENEWABLE ENRGIES DIVISION

FRANCE
 DEUTSCHLAND

THE NORM PROBLEM IN THE OIL AND GAS INDUSTRY: TOWARDS A EUROPEAN POLICY PERTAINING TO THE TREATMENT OF RADIOACTIVE

Action Nr: STR-0996-1996-NL

Starting Date:

ONGOING

Aims and objectives

To contribute to the formulation and implementation of a European policy pertaining to the treatment of radioactive materials focusing on technologies relevant to Naturally Occuring Radioactive Materials (NORM) in the oil and gas industry

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The project can be divided in two parts :

An inventory of the technologies used to dispose of NORM contaminated materials and radioactive waste in the member states. a comparison of existing techniques leading to a conclusion on the effectiveness of the waste disposal technologies based on environmental impact, and commercial implications.

A comparison of legislation and regulation in the member states of the EU pertaining to the possession, use, removal, transport, import and export of radioactive matter and/or radioactive contaminated materials and a comparison of this legislation and regulation with European guidelines. This comparison will especially be focused on the problem of Naturally Occuring Radioactive Material (NORM) in the oil and gas industry. The project must clarify which adaptations have to be made by the member states to meet the EC-guidelines.

A comparison with the situation in the United States of America, the eastern European countries and former CIS will also be made.

Expected Results

An international concertation network of relevant organisations will be built through which the results of our study will be disseminated. The information obtained from these organisations will be presented in a document in which :

- the different technologies used to dispose of radioactive waste in the EU and in its associated member states are described, and their advantages and disadvantages are given, leading to a conclusion which technology can best be pursued.

- the legislation and regulation pertaining to possession, use, removal, transport, import and export in the member states of the EC and in its associated member states is summarised, and recommendations are given for a harmonised European Policy.

The study will help industry to see technologies and legislation in different countries and to decide on the appropriateness of different disposal options for radioactive waste.

The results of the project will be presented in a document in which relevant information about the various technologies used to dispose of radioactive waste are given, including a comparison of their advantages and disadvantages, and in which relevant information about legislation and regulation, in- and outside the EC, pertaining to the possession, use, removal, transport, import and export of radioactive materials is summarised, and recommendations for adaptations are given.

Finance

EU Support: 140.000 ECU

Eligible cost: 200.000 ECU

Contact

Co-ordinator: RÖNTGEN TECHNISCHE DIENST QUALITY SERVICES

Responsible: R. VAN SONSBEK

Address: DELFTWEG 144
3004 AB ROTTERDAM
NEDERLAND

Tel: 31 10 208 82 08

Fax: 31 10 415 80 22

Email:

Participants: SCOTOIL SERVICES LTD

UNITED KINGDOM

COMPREHENSIVE GUIDANCE AND RESULT DISSEMINATION OF INTEGRATED TARGETED PROJECTS IN THE BUILDING SECTOR

Action Nr: SUP-0997-1996-ES

Starting Date: 01-Jan-97

COMPLETED

Aims and objectives

The project aims to globally analyze the construction techniques, energy techniques, energy saving methods, recycling approaches, evaluation methods and dissemination strategies of the four Integrated Targeted Projects in the Building Sector supported in 1993 with the aim of : 1. Supporting the Commission with a global information and advice the strategy to channel the project's results over the construction body. 2. Procuring cross-checking information amongst different project participants to exchange results and data. 3. Disseminate the Targeted Projects basic results, amongst national institutions with influence on the construction sector. 4. Producing information that benefits the proposal participation in further calls.

Description

1. Collecting of project data in terms of project status, innovative data, expected results, preliminary evaluation and existing dissemination channels. 2. Generating a global "project" work plan which will provide comprehensive information of: 2.1. Project milestones for 1996 and 1997. 2.2. List of deliverable. 2.3. Responsible technical contacts. 3. Set an office structure with permanent dedication to update new project data and procure support to the Thermie Program responsibilities in: 3.1. Monthly progress reports. 3.2. Guidelines for energy monitoring. 3.3. Standardisation of Targeted projects reports. 3.4. Co-ordination of common activities undertaken by the four "Targeted project teams. 4. Produce specific documentation to help a global dissemination strategy. Such a task will include: 4.1 One quarterly bulletin of two DIN A-4 format to distribute among all project participants, technical issues of interest, contact addresses and interesting events. 4.2. A global Targeted Project brochure designed as a folder to incorporate data by each participants and serving a dissemination purpose by the Thermie Program.

Achieved Results

Information package for Commission members use.

Dissemination material:

1. One information bulletin (DIN A-3), full color), providing all nine projects useful data with the following schedule.
2. Supporting material as one poster and other handouts.
3. One information brochure of the programme containing project data.
4. One page WEB concerning the Targeted Projects in the Building Sector.
5. One data base with European institutions and professional associations that have direct influence over the construction sector.
6. One automatic mail service connecting the data base and allowing Thermie to communicate news and or events via E-mail.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support: 80.000 ECU

Eligible cost: 160.000 ECU

Contact

Co-ordinator: GEOHABITAT ENERGIA Y MEDIO AMBIENTE S.A.
Address: IGLESIA 12
04738 VICAR
ESPAÑA

Responsible: ALFONSO SEVILLA
Tel: 50 553366
Fax: 50 553332
Email:

Participants: BUREAU D'ETUDES PROSPECTIVE TECHNOLOGUE ET ENERGIE
OMEGA

LUXEMBOURG
ELLAS

ENVIRONMENTAL IMPACTS FROM THE USE OF RENEWABLE ENERGY TECHNOLOGIES

RES
GEN

Action Nr: STR-1000-1996-GR

Starting Date: 01-Dec-96

ONGOING

Aims and objectives

The aim of this project is to review the solutions given to environmental problems related to the use of Renewable Energy Technologies RETs, to present to interested actors the most efficient and economically feasible technologies or methods which at the same time are environmentally safe.

The objectives of this project are: - to review the environmental impacts associated to the use of renewable energy technologies, as well as the technologies and techniques used to reduce these effects; - to investigate legislative, financial and social issues associated to these problem; - to identify case studies where these methods or technologies have been successfully implemented;

- to strongly emphasize the positive environmental value of RETs; - to minimize the objections for the use of RETs due to environmental concern and to integrate RETs especially in Mediterranean countries.

Description

The action comprises of two phases :

- a data collection and analysis on all the positive and negative environmental impacts to the use of RET's. This will include the collection of the output from previous EC funded work on the subject;
- the production of an approx. 80 pages document which will present a summary of the overview including a series of about 40 case studies. Each renewable energy technology sector will be presented in separate chapters including : adverse environmental effects, technological or technical solutions, cost, legislative issues and case studies.

Expected Results

To promote by means of a publication illustrated with case studies improved, financially sound technological and technical solutions used to minimise the negative environmental effects of RET's and to improve their social perception.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support: 82.500 ECU

Eligible cost: 110.000 ECU

Contact

Co-ordinator: ELFORES
Address: 19TH KM. MARATHONOS AVE
19009 PIKERM
ELLAS

Responsible: N. KARAPANAGIOTIS
Tel: 30 1 6039900
Fax: 30 1 6039911/904
Email:

Participants: CENTER FOR RENEWABLE ENERGY SOURCES
ECOTEC RESEARCH AND CONSULTING
EUROPEAN FORUM FOR RENEWABLE ENERGY SOURCES
TECHENERG LIMITED

ELLAS
UNITED KINGDOM
LUXEMBOURG
IRELAND

Action Nr: DIS-1001-1996-ES

Starting Date: 01-Oct-96

ONGOING

Aims and objectives

Seminars, workshops and similar events are necessary and useful, but expensive and time-consuming. Part of the subjects presented at such events could be discussed in a Tele-Video-Conference (henceforward TVC). The aim of this task is to test the effectiveness of the Tele-video as a communication tool.

Description

After establishing the TVC links, training of potential users, try out actions such as speaking, Q&A, transmission of overheads. The TVC can then take place and an evaluation will be conducted.

Expected Results

Establish TVC links and conclude about this activity. Point out ways to implement and/or improve TVC

 Business-Mission

 Seminar

 Workshop

 Exhibition-stand

 Conference

 Training

 Exhibition

 Publication

 Audit-assessment

 Study

 Electronic Catalogue

 Other

Finance

EU Support: 13.000 ECU

Eligible cost: 20.000 ECU

Contact

Co-ordinator: OCICARBON
 Address: AUGUSTIN DE FOXA 29
 28036 MADRID
 ESPAÑA

Responsible: F. ALEGRIA
 Tel: 34 1 733 86 62
 Fax: 34 1 314 06 46
 Email:

Participants: ETSU

UNITED KINGDOM

Action Nr: DIS-1002-1996-PT

Starting Date: 01-Oct-96

ONGOING

Aims and objectives

Oil and gas industry has to adapt in a context of increasingly stringent legislation oriented to the development of measures to foster environmental protection. States of Bahia and Sao Paulo are centres of oil and gas production and refining with significance for all Mercosul and Latin America states and privileged targets for cooperation with EU. Open South America market to EU companies and organisations. Influence South America industrial behaviour in favour of European approach and technologies. Strengthen commercial connections between all parts involved

Description

The development of this action will include a first phase, where information will be treated - including the collection of information, the contact of partners in the EU and Latin America, the identification of interested parties, the preparation of action programmes and documentation and also the organisation of hotel accommodations, travelling, coffee breaks, etc., the organisation of the workshop, which will take place in one of the two mentioned states, stressing the local characteristics of their Oil & Gas Industry, and a final phase of follow up and conclusions, including the preparation of a final report and a local follow up to motivate the local partners to remain in contact with the European consortium.

Achieved Results

As the result of this action the opening of South America and namely the Mercosul market to EU companies and organisation, the influence of South America industrial minds in favour of European approach and technologies and the reinforcement of the commercial connections between all parts involved, are expected. To promote the introduction of new European technologies related with the oil & gas industry of Brazil and, through the completion of a second action, for which we are planning to present our proposal, the required investments in the modernisation of the existing manufacturing plants.

- Business-Mission

- Seminar

- Workshop**

- Exhibition-stand

- Conference

- Training

- Exhibition

- Publication

- Audit-assessment

- Study

- Electronic Catalogue

- Other

Finance

EU Support:	80.000 ECU	Eligible cost:	120.000 ECU
-------------	------------	----------------	-------------

Contact

<p>Co-ordinator: PARTEX CPS Address: AV. DE OUTUBRO 160 1050 LISBOA PORTUGAL</p>	<p>Responsible: CARLOS A.H. CARDOSO Tel: 351 1 793 20 44 Fax: 3511 797 95 16 Email:</p>
<p>Participants: ENTE VASCO DE LA ENERGIA</p>	<p>ESPAÑA</p>

TO DISSEMINATE THE RESULTS OF LARGE INDUSTRIAL VENTILATION TECHNOLOGY PROGRAMMES TO END USERS AND OTHER

Action Nr: DIS-1004-1996-FI

Starting Date: 01-Jan-96

ONGOING

Aims and objectives

Disseminate the results of industrial ventilation research studies to managers in industry, maintenance organisations, designers, installers and suppliers. Indoor air quality and energy consumption are the key issues. Background material is based on international studies. training material will be checked in the countries involved and will be finalised after a pilot presentation. The first themes to be covered are: 1 electrical equipment rooms 2 shelters 3 pulp and paper mills 4 welding shops 5 foundries 6 automobile industry

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The main part of the activities are to arrange a series of workshops and seminars to disseminate the results of industrial ventilation development programme. The seminars have been arranged already in Zürich, Helsinki, Chester and Stuttgart. The following workshops will take place in Brussels (together with COST activities), in Ottawa (together with Ventilation 97), Florence (together with COST activities) and in Aalborg Denmark (together with COST activities).

At the same time a series of transparencies will be done to disseminate the results. These transparencies will be distributed through www to European countries and world-wide.

Achieved Results

As a result of the seminar/workshop 4 leaflets have come out, amount of pages is together about 200. Amount of participants in the seminars has been at the level of 100 at each (80-120). All the leaflets have been written in English. Under preparation are workshops and as the result of these, also about 200 transparencies about ventilation in industrial premises in the working places.

Finance

EU Support:	95.000 ECU	Eligible cost:	190.000 ECU
-------------	------------	----------------	-------------

Contact

Co-ordinator: FEDERATION OF FINNISH METAL, ENGINEERING & ELECTROTECH. IND.

Responsible: ESKO TÄHTI
Tel: 358 0 1923378

Address: ETELÄRANTA 10
00130 HELSINKI
SUOMI

Fax: 358 0 624462
Email: esko.tahti@met.fi

Participants: IKE/HLK - UNIVERSITÄT STUTT GART
LIVERPOOL JOHN MOORES UNIVERSITY - SCHOOL OF THE BUILT ENVIRON.

DEUTSCHLAND
UNITED KINGDOM

Action Nr: DIS-1005-1996-GB

Starting Date: 01-Jan-97

COMPLETED

Aims and objectives

Stimulate markets in China for EU equipment for small scale CHP systems in buildings. This have been achieved through a seminar in China and followed by a study tour in Europe for first-hand observation of small scale CHP systems in a variety of successful applications. The action will promote vigorously the concept of dispersed high efficiency energy supplies and thus stimulate demand for the relevant equipment.

Description

The project consists of two main tasks:

Task 1 Organisation of a Seminar on Small Scale CHP Systems in Beijing (papers on the technologies in common use in Europe, representative equipment and manufactureres, typical costs and investment evaluations, Chinese and European case studies, environmental aspects, the potential Chinese market).

Task 2 Organisation of a Study Tour by Chinese Experts to Europe, to visit operating sites and discuss the technology and economics with users and manufactureres.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Achieved Results

Potential for investment in CHP systems in buildings in China, to provide heat, electricity and cooling ("trigeneration"). The study tour offered the opportunity to researchers and participants to forsee the preparation of a demonstration project for small application at project for CHP for buildings in CHina

Finance

EU Support: 55.000 ECU

Eligible cost: 90.000 ECU

Contact

Co-ordinator: B G TUNNAH
Address: 4 HENLEY DRIVE
KT2 7EB KINGSTON UPON THAMES, SURREY
UNITED KINGDOM

Responsible: B. TUNNAH
Tel: 44 181 942 3351
Fax: 44 181 942 3351
Email:

Participants: AGORA ANALYSES & SYSTEMS

FRANCE

"ECO-CAMPUS" ENERGY ENVIRONMENT NETWORK OF EUROPEAN UNIVERSITIES AND RESEARCH CENTRES.

**ALL
ENV**

Action Nr: STR-1006-1996-FR

Starting Date:

ONGOING

Aims and objectives

Follow-up of the European "Energy-University-Environment" conference sponsored by DG XI. Aims to set up a network of Universities and Research Centres to promote the use of clean technologies in these establishments.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

ECO CAMPUS action aims to disseminate the fundamentals of the presently defined Energy-Efficiency policies and/or main goals at the convenient level of decisions (from chairperson to head of department/laboratories/facilities).

The tasks are :

- Creation of European Network
- Inventory of technologies
- Methodology
- Feasibility studies

Expected Results

An important result of the project will be to identify a certain number of sites (4-6) where a complete energy/environment audit seems significant and feasible. Each contractors will present a report analysing the present state and future trends in energy efficiency in their own campus.

Finance

EU Support:	97.000 ECU	Eligible cost:	150.000 ECU
-------------	------------	----------------	-------------

Contact

Co-ordinator: UNIVERSITÉ BORDEAUX I NOUVELLES
Address: CENBG BP 120 - LE HAUT VIGNOBLE
33175 GRADIGNAN CEDEX
FRANCE

Responsible: JAQUES ROTURIER
Tel: 33 56 89 18 00
Fax: 33 56 75 11 80
Email:

Participants: ENERGIE OUTREQUIN LAMOUCHE
INSTITUT RECHERCHE SOFTWARE EN BÂTIMENT
OLOF GRANLUND OY
RARE AQUITAINEERGIE
TECHNICAL INSTITUTE OF KAVALA

FRANCE
ROMANIA
SUOMI
FRANCE
ELLAS

Action Nr: DIS-1007-1996-DE

Starting Date: 12-Dec-96

ONGOING

Aims and objectives

The objective of this task is to develop and coordinate a European Network on heat pumping technologies including heating, cooling, air-conditioning, refrigeration and combined systems in order to : a) stimulate an European awareness of concerted actions for an overall market strategy; b) increase appropriate developments and applications of this energy efficient and environmentally sound technology; c) strengthen the competitiveness of the European industry and educational R,D&D institutions. The second objective is to develop a European-wide communication and information system using the latest information technologies such as online databases and Internet.

Description

The action is subdivided into 3 tasks:

1. Country assessment of national networks in DE, NL, FR and NO prepared by the consortium members. The results will be analysed and discussed in a workshop.
2. Modification and extension of the Heat Pump Database of the European Community (HPEC) as an information tool for the Concertation Network on heat pumping technologies by adaptation to current PC software and to specific needs of the network.
3. Establishment of the network and communication tools in the framework of a final workshop.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Expected Results

- The network on heat pumping technologies is expected to
 - integrate the already existing national information and communication strategies into a Europeanwide concerted action programme.
 - provide all target groups supplying, using and promoting heat pump technologies with the knowledge, experience and present practice from these important technological fields
 - develop into a self-supporting European Information Centre and to initiate a European association of heat pumping technologies.
- The network is also expected to promote the market penetration of heat pumps and thus to create increased business opportunities for suppliers and installation companies.
- It is expected that the network will lead to investments by a wider application of heat pumps in the buildings-, energy supply- and industrial sectors.

Finance

EU Support:	172.440 ECU	Eligible cost:	287.400 ECU
-------------	-------------	----------------	-------------

Contact

Co-ordinator:	FIZ KARLSRUHE	Responsible:	W. BAHM
Address:	HERMANN-VON-HELMHOLTZ-PLATZ 1 76344 EGGENSTEIN-LEOPOLDSHAFEN DEUTSCHLAND	Tel:	49 7247 808 354
		Fax:	49 7247 808 134
		Email:	wba@fiz-karlsruhe.de
Participants:	ASS. DE LA MAÎTRIS DE L'ENERGIE THERMOPOMPES ET MACHINE À FROID NOVEM THE FOUNDATION FOR SCIENTIFIC AND INDUSTRIAL RESEARCH AT THE NOR	FRANCE	NEDERLAND NORGE

INTEGRATION OF SOLAR COMPONENTS IN BUILDINGS

RES**SE**

Action Nr: DIS-1013-1996-ES

Starting Date: 01-Jan-96

ONGOING

Aims and objectives

The promotion and dissemination of European technologies already existing, related to the integration of solar components in buildings. These technologies are the intergration of solar cells in the facade and roof of buildings, the SAV window, the correct integration of solar thermal panels in buildings, the solar roofs, etc. The dissemination of results of successful demonstration projects in the field will also be a priority objective of this action.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The project is made up of 8 tasks as follows:

Task 1: Defination of the content of the maxibrochure.

Task 2: Collection of information and case studies.

Task 3: Elaboration and edition of the maxibrochure.

Task 4: Defination of the programme for the 2 workshops.

Task 5: Contacts with speakers and final programme.

Task 6: Edition of an informative brochure about the workshops.

Task 7: Logistic organisation of the workshops.

Task 8: Development of the 2 workshops.

Expected Results

It is expected that this action will allow the spread and knowledge about these newly developed technologies and, consequently, their introduction into the market and their effective implementation in the European Union. It should increase the awareness of designers and developers of the building sector about the possibilities of integrating solar components in the envelope of the building, and the integration of solar energy with conventional energy systems.

Finance

EU Support: 49.000 ECU

Eligible cost: 98.000 ECU

Contact

Co-ordinator: ICAEN
Address: AVGDA DIAGONAL, 435BIS, ÀTIC
08036 BARCELONA
ESPAÑA

Responsible: JJ ESCOBAR
Tel: +34 3 438 2800
Fax: +34 3 419 7253
Email:

Participants: TSU TUV RHEINLAND SICHERHEIT UND UMWELTSCHUTZ GMBH DEUTSCHLAND

CLEAN COAL UTILISATION FOR ELECTRIC POWER GENERATION IN LATIN AMERICA

Action Nr: STR-1014-1996-ES

Starting Date:

ONGOING

Aims and objectives

The aim of this action is to make a prospection in one Latin America country for its capability of implementing clean coal technologies, and its willingness to do it; to organize several one-day seminar; to make a feasibility study of one clean coal power plant in a chosen site

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

- selection of the Latin America country where the study will take place.
- performance of a regional diagnostic in the selected country, studying its potential as coal producer, coal user and electric power consumer, as well as the substrate of the country for application of Clean Coal Technologies : technological and engineering level, local contractors for accessory areas of a typical power plant, consumer profiles.

Several workshop will take place. In the countries selected, the companies, utilities and institutions interested will be invited in such a workshop. An institutional moderator will be provided by OLADE. The workshop will take the form of a round table. The European experts will expose the Clean Coal Technologies most likely to be marketed in Latin America, and their investment, operation and maintenance costs in an European context. The Latin America invited persons will bring forth the potential problems they foresee in their country.

Expected Results

- Market report, issued as a conclusion of the regional diagnostic performed in the chosen country.
- List of contacts made with relevant persons and institutions in the country selected : technicians, utilities managers, financiers, government officials.

Deliverable : the feasibility study itself. The feasibility study would be useful (with the logical local variations) for other interested Latin America countries.

Finance

EU Support: 97.000 ECU

Eligible cost: 150.000 ECU

Contact

Co-ordinator: OCICARBON
Address: AUGUSTIN DE FOXA 29
28036 MADRID
ESPAÑA

Responsible: F. ALEGRIA
Tel: 34 1 733 86 62
Fax: 34 1 314 06 46
Email:

Participants: ESCAN
PARTEX-COMPANHIA PORTUGUESA DE SERVIÇOS, SA

ESPAÑA
PORTUGAL

Action Nr: DIS-1015-1996-FR

Starting Date: 01-Sep-96

COMPLETED

Aims and objectives

Promotion of oil and gas innovative technologies developed in the EU in order to contribute to maintain production in Russia : - for helping the Russian economy in its transition, - for securing the EU energy supply.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

One stand of 60 sqm.
Several meetings between information organizations.

Achieved Results

Exhibiting companies:
Rosscor Int. B.V. (NL)
Sercel (Fr.)
Messer Griesheim polysoude (Germany)
Gaz Inter Association (Fr.)
Selmers (NL)

The exhibition in Tyumen was more successful than similar events in other cities of Tyumen Oblast due to developed infrastructure (hotels, transport) and higher level organisation.
To invite companies producers of non-expensive equipment because anyway all big and capital demanding purchases are made through tenders and are being studied for a long time.

Finance

EU Support: 34.021 ECU Eligible cost: 0 ECU

Contact

Co-ordinator: GROUPEMENT DES ENTREPRISES PARAPÉTROLIÈRES
Address: 1, RUE LOUIS BLANC , LA DÉFENSE
92038 PARIS LA DEFENSE
FRANCE

Responsible: M NINGLER
Tel: 33 1 47 17 68 65
Fax: 33 1 47 17 67 47
Email: gep@gep-france.com

Participants: THE PETROLEUM SCIENCE AND TECHNOLOGY INSTITUTE UNITED KINGDOM

STRAT. EVALUATION & MARKET APPRAISAL FOR INTEGRABLE MULTIPURPOSE AND PORTABLE DECENTRALIZED HEAT&POWER GENERATION UNITS

RUE
EI

Action Nr: SME-1020-1996-ES

Starting Date: 19-Dec-96

ONGOING

Aims and objectives

The overall purpose of this task is to promote decentralized CHP units, as well as absorption cooling technologies in distant regions to serve the agrofood industry and the emerging tertiary sector. The first specific aim is to assess the potential market for CHP + absorption applications in around 1 MW units. Next will be the definition of the main specifications of an Integrable Multipurpose Heat & Power generating module that should fulfill to fit the requirements of such applications in remote settings with low technical support during operation. A pilot plant experience will be erected and financed 100 % by co-financing. A Maxi-brochure will be disseminated to all market actors and a 2 days seminar organised to supply structured information on market conditions, equipment possibilities, case studies, financing, finance opportunities, maintenance, warranty and insurance possibilities for the technological developments intended.

Description

This action comprises of 5 phases:

Phase 1: Potential market appraisal to frame the areas where the survey should be taken.

Phase 2: Characterization of integrable modules.

Phase 3: Development of a pilot plant experience sited in Spain.

Phase 4: production of a maxibrochure dealing with the main aspects related within the market study, multipurpose portable integrable sets of definitions and nontechnical barriers. It will also disseminate pilot plant results.

Phase 5: Seminar to be held near the pilot plant to discuss the findings of the project and hopefully incorporate a site visit.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Expected Results

The expected results are as follows:

- potential market appraisal for small CHP plants in the region of 1Mw, which are often located in remote areas
- definition of the optimal characteristics of an Integrable Heat & Power generator to serve multipurpose installations

- assessment of the required ISO 9000 standards which relate to plurinational production

- definition of ways to overcome some of the current barriers to decentralized Heat & Power generation in remote areas.

Finance

EU Support: 151.500 ECU

Eligible cost: 233.000 ECU

Contact

Co-ordinator: SERVICIOS INTEGRALES DE AHORRO ENERGÉTICO
Address: SOR ANGELA DE LA CRUZ N°6 - 6° PTA
28020 MADRID
ESPAÑA

Responsible: J.D.DIAZ
Tel: 34 1 581 34 34
Fax: 34 1 581 34 44
Email: Sinae@ran.es

Participants: EXPLICIT
OMEGA

FRANCE
ELLAS

INFORMATION PACKAGE:LOW-ENERGY HOUSING (LEH)-EXPERIENCES OF THERMIE AND OTHER PROGRAMMES CONCERNING LEH

Action Nr: DIS-1021-1996-DE

Starting Date:

ONGOING

Aims and objectives

The objective of this action is to compile the experience of THERMIE projects in the field of low energy housing. Experience of national projects in this field, descriptions of advanced technologies and address lists will complete this survey to a comprehensive information package : low-energy housing. This information package could be copied or printed to distribute the knowledge of advanced technologies in the building sector. It will present basic information for further programmes and projects (National or European).

Description

The energy used in buildings accounts for nearly half of the total energy consumed in the EU. To reduce the energy consumption and respectively the CO2 emissions in this sector European and national regulations exist or have been prepared.

A lot of different methods have been developed in the different countries to fulfil these regulations. So there exist a large number of programmes, projects, technologies and other experiences in the area of the so-called "low energy house" in each member state.

The objective of this proposal is to concentrate all this experience in one clearly represented paper, the so-called "information package: low energy house". This information package should

- give a comprehensive survey of activities in the area of low energy houses in the EU
- be a base for further activities in this area
- promote the transfer of know-how about low energy houses within the EU
- promote the dissemination of the know-how

Expected Results

The result of the proposed work will be a comprehensive information package and will consist of two parts:

- . a "technical part", which will give a short description of the different technologies used in low energy houses
- . a "catalogue part" which will give:
 - short description of succesful THERMIE-projects
 - an overview and short descriptions of national and regional programmes for the promotion of low energy houses
 - a list of bodies which are involved in low energy house projects (institutions, industries, agencies, etc.)

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support: 58.370 ECU

Eligible cost: 116.741 ECU

Contact

Co-ordinator: TSU TUV RHEINLAND SICHERHEIT UND UMWELTSCHUTZ GMBH
Address: AM GRAUEN STEIN
51 101 KÖLN
DEUTSCHLAND

Responsible: KLAUS DIETER TARLOWSKI
Tel: 49 221 806 27 23
Fax: 49 221 806 13 50
Email: energie@tuer.rheinland.de

Participants: BRECSU OF BRE
FINNISH TECHNOLOGYDATA LTD

UNITED KINGDOM
SUOMI

THE POLITICAL ECONOMY OF NEW OIL AND GAS TECHNOLOGY IN THE COST REDUCTION ERA.

Action Nr: STR-1029-1996-GB

Starting Date: 19-Dec-96

ONGOING

Aims and objectives

- 1) To quantify the positive benefits of technological advances to energy supply cost, industrial competitiveness and health, safety and environment issues.
- 2) To guide the direction of EU funding in the light of the possible/probable payoffs in terms of the above factors.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

- Agree common economic criteria and methodology : additionally and importantly the criteria to be applied in establishing economic benefits and reserves gains arising from application of technological innovations from 1990 to 1996, and foreseen in each relevant sector to 2005, will be laid down. To the extent possible these will be based on the methodology adopted in SREA's published study entitled "The Economic Impact of the New Drilling Technologies"

- Conduct sectorial reviews :each co-contractor will conduct a programme of interviews and literature searches together with an assessment from their inhouse sources of their allocated sector according to the methodology agreed in the task above. Where a specific contribution has been made by an EC programme this will be identified and if possible quantified.

- Collate and analyse data; prepare preliminary report : During this phase there will be a considerable exchange of views on how the results of stage 2 can be developed into individual sector reports which can be provided as an input to the preparation of the preliminary report. The overall preliminary report will be drawn up by SREA and AEA from the sector reports, and will incorporate the co-contractors' views on the discernible benefits that could be obtained by 2005 within the limits of know technology and what might be ultimately be achieved within the limits imposed by natural laws.

- review and revise preliminary report

- preparation of the final report

Expected Results

Dissemination :

SREA and AEA will design, publicise and organise a Conference to be held in the UK with the participation of the co-contractors, the EU and industry, to make findings of the study known and to solicit industry reaction and suggestions particularly as to policy and funding implications.

SREA and AEA will publish as a commercial venture outside the contract a volume presenting the general findings of the study and the Conference. It is envisaged that this will be a considerably larger document than the summary.

Finance

EU Support: 360.000 ECU

Eligible cost: 499.000 ECU

Contact

Co-ordinator: SMITH REA ENERGY ASSOCIATES
Address: HUNSTEAD HOUSE, NICKLEN CHARTHAM
CT4 7PL CANTERBURY, KENT
UNITED KINGDOM

Responsible: N J SMITH
Tel: 44 1227 738822
Fax: 44 1227 738866
Email: srae@easynet.co.uk

Participants: CGG
MECON
PROF CHIERICI
UNITED KINGDOM ANATOMIC ENERGY AUTHORITY

FRANCE
DEUTSCHLAND
ITALIA
UNITED KINGDOM

PROMOTION OF THE USE OF NATURAL GAS IN THE INDUSTRIAL SECTORS OF GREECE & PORTUGAL UTILISING THE EXPERIENCE OF SPAIN



Action Nr: DIS-1030-1996-GR

Starting Date: 01-Jan-97

ONGOING

Aims and objectives

The proposed task aims to improve the image of natural gas and promote energy efficient NG technologies in specific industrial sectors of Greece, Portugal and Spain, by providing economic and technical information about its utilisation. The wider use of this type of fuel will in turn create better market opportunities to the Gas related industries. The long term objective of this proposal is to contribute to the penetration of natural gas in the glass, metal, paper and ceramics sectors of these countries by providing potential users information and guidance in the use and subsequent benefits resulting from a fuel changeover. The immediate objectives are : a) reviewing and undertaking sectorial studies, organising Circles on natural gas, publishing technical Brochures for the specific sectors in Greek, Portuguese and Spanish.

Description

It is intended to promote the use of energy efficient NG technologies in specific industrial sectors of Greece and Portugal, utilising the experience of Spain, through:

- Review of existing studies for industrial sectors of Greece, Portugal and Spain.
- Organisation of workshops to disseminate NG technologies to specific industrial sectors.
- Organisation of technical visits to selected industries with successful NG applications.
- Production and dissemination of brochures for the sectors covered.

Expected Results

- . Higher penetration of NG through the adoption of efficient NG technologies.
- . Exchange of experiences between experts/engineers of specific industrial sectors.
- . Success judged on participation to workshops and technical visits and by fuel switching that will eventually follow.

Business opportunities for engineering consultants, technicians, operators, equipment suppliers and NG companies.

It is hoped that the action will lead to fuel switching in some industries or the installation of new equipment (CHP) in other industries.

Business-Mission
Seminar
Workshop
Exhibition-stand
Conference
Training
Exhibition
Publication
Audit-assessment
Study
Electronic Catalogue
Other

Finance			
EU Support:	203.500 ECU	Eligible cost:	370.000 ECU

Contact			
Co-ordinator:	CINAR SA	Responsible:	D. TRYFONOPOULOS
Address:	H. MEXI 4 11528 ATHENS ELLAS	Tel:	30 1 7250360
		Fax:	30 1 7250361
		Email:	cinar@hol.gr
Participants:	COALTEC E AMBIENTE GAS NATURAL SDG S.A. ICAEN	PORTUGAL ESPAÑA ESPAÑA	

MARKET POTENTIAL AND FEASIBILITY STUDY ABOUT THE USE OF SUBMERGED COMBUSTION IN THE TANNING INDUSTRY

RUE
IN

Action Nr: STR-1033-1996-ES

Starting Date:

ONGOING

Aims and objectives

This action is aimed at promoting the use of the submerged combustion technology in the tanning industry by means of publishing the results of a feasibility study and by determining the market potential for applying this technology which would be innovative in this sector but is widely used in other industrial sectors.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

This action comprises of 5 tasks:

Task 1: Selection of a tanning factory for the pilot scheme.

Task 2: Performance of the feasibility study.

Task 3: Equipment design and manufacture and assembly of a submerged combustion installation.

Task 4: Start up, trials and reports. The report will form part of the feasibility study.

Task 5: Performance of market research and potential saving assessment to assess the market potential within both countries.

Expected Results

It is expected that savings of 30% can be achieved by the use of a submerged combustion technology. this implies a potential saving of 4.500 toe per annum in the Spanish tanning industry alone . When these figures are extrapolated across the whole of the EU it is predicted that 70,000 toe could be saved per annum.

Finance

EU Support: 40.891 ECU

Eligible cost: 62.909 ECU

Contact

Co-ordinator: IDAE

Address: PASEO DE LA CASTELLANA 95
28046 MADRID
ESPAÑA

Responsible: JUAN ANTONIO ALONSO

Tel: 1 556 84 15

Fax: 1 555 13 89

Email:

Participants: ASOCIACION DE INVESTIGACION DE LAS INDUSTRIAS DEL
CURTIDO Y ANEX
NATIONAL AGENCY FOR NEW TECHNOLOGY, ENERGY AND THE
ENVIRONMENT

ESPAÑA

ITALIA

Action Nr: DIS-1035-1996-GB

Starting Date: 01-Jan-96

ONGOING

Aims and objectives

Help to maximise the opportunities for the market uptake of solar thermal electric components, systems and projects of European companies. The objectives are: produce a brochure on solar thermal electricity in Europe in English and French; to arrange its launch in Europe; to distribute it to the appropriate bodies; to publicise its production and launch extensively. The context for the action is the inclusion of solar thermal electricity in the '95-'96 type A THERMIE Call for proposals, and the lack of any existing EC publication which summarises the status of this field from an EU perspective.

Description

The English/French brochure will provide an overview of current status of solar thermal electric technologies, industry and market from a European perspective.

 Business-Mission

 Seminar

 Workshop

 Exhibition-stand

 Conference

 Training

 Exhibition

Publication

 Audit-assessment

 Study

 Electronic Catalogue

 Other

Expected Results

This action is seen as complementary to the demonstration of the solar thermal electric technologies by providing advance information relevant to this investment. It is expected that the publication will provide up-to-date and accurate information for all those in the potential market. The availability of easily accessible information which is also product and company independent and which emphasises a European perspective will assist in building confidence in the newly emerging technologies, contributing to market development. It will also encourage European companies to examine the possibilities for development/ diversification of their products and services in this sector.

Given a policy background which acknowledges the growing energy needs of Southern Europe and the world's sunbelt countries, the necessity of CO₂ mitigation, increased links with the Mediterranean countries, and the need for increased competitiveness of European companies, the publication will be timely.

Finance

EU Support: 52.500 ECU

Eligible cost: 80.750 ECU

Contact

Co-ordinator: THE FRANKLIN COMPANY CONSULTANTS LTD
 Address: SHRIGLEY RD. 24
 BT30 9SR KILLYLEAGH, N. IRELAND
 UNITED KINGDOM

Responsible: ALISON PATTERSON
 Tel: 44 1396 821149
 Fax: 44 1396 828112
 Email:

Participants: GEOHABITAT ENERGIA Y MEDIO AMBIENTE S.A.

ESPAÑA

PROMOTION OF ENERGY EFFICIENCY IN THE INDUSTRIAL BAKERY SECTOR

RUE
IN

Action Nr: SME-1037-1996-ES

Starting Date:

ONGOING

Aims and objectives

The European Bread Industry is formed by a large number of companies, most of them being small and generally familiar in nature. Only 1% of these companies have over 25 workers, with low or very low technical knowledge, being therefore their access to new technologies very difficult. The main objective of this proposal is to attain in-depth knowledge of the problems of the sector and of the solutions which current technological state of the art can provide. This will consist on the realization of 30 energy studies to medium sized industrial bakeries. With a synthesis and a compilation of the resulting informations, a study will be published. The last action will consist on the publication of a Maxibrochure, that will contain information on energy management and saving in process technologies and horizontal technologies, as well as case studies from member states.

Description

This action comprises of 5 tasks:

Task 1: Selection of 30 companies - 20 from Spain and 10 from Portugal for the performance of the energy study.

Task 2: Implementation of the energy studies

Task 3: Analysis of the results of the energy studies and compilation of a summary of the latest technologies available for energy efficiency in the bread industry in the respective partner countries.

Task 4: Production of a maxibrochure which will detail energy management and saving in both process and horizontal technologies.

Task 5: Dissemination of the maxibrochure.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Expected Results

It is expected that the following results will be achieved by this action.

- Knowledge of the current energy status of the small Spanish and Portuguese bread industry and the state of their facilities.
- Recommendations as to the energy saving measures which need to be applied and possible sources of funding for these.
- Dissemination of good practice through the maxibrochure and a general raising of awareness.
- Dissemination about third party financing systems available to the sector.

Finance

EU Support: 93.646 ECU

Eligible cost: 144.071 ECU

Contact

Co-ordinator: IDAE

Address: PASEO DE LA CASTELLANA 95
28046 MADRID
ESPAÑA

Responsible: JUAN ANTONIO ALONSO

Tel: 1 556 84 15

Fax: 1 555 13 89

Email:

Participants: CENTRO PARA A CONSERVAÇÃO DE ENERGIA

INSTITUT FOR ENERGITEKNIKK

ISTITUTO PER L'INNOVAZIONE

ZENTRUM FÜR RATIONELLE ENERGIEANWENDUNG UND UMWELT

PORTUGAL

NORGE

ITALIA

DEUTSCHLAND

TO PROMOTE THE USE OF GEOTHERMAL ENERGY FROM PROVEN AQUIFERS AND MATCH THIS ENERGY TO EXISTING OR POTENTIAL HEAT USERS



Action Nr: DIS-1038-1996-IE

Starting Date: 01-Jan-97

ONGOING

Aims and objectives

-identify and quantify the heat energy that could be extracted from groundwater sources currently developed and used for water supply both public and private; -disseminate this information to the water supply owners, local and national institutes concerned with energy and water supply and potential users of this heat. This heat can be economically harnessed using heat pumps and is a secure local renewable source of heat energy not developed to its proper potential. The areas to be studied will be the Republic of Ireland, Portugal and Austria with technology transfer from Geotherma S.A.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The action involves 1. location of all well currently in USA pumping 50m³/hr for 5 years or more. 2. Calculating geothermal heat energy that can be extracted from the water without interfering with present usage. 3. match available geothermal energy to existing or potential heat users. These actions will be carried out in Austria, Portugal and Ireland. A feasibility study will be carried out in our site in every country.

Achieved Results

The project will lead to the installation of heat pump units at water production wells to generate heat for public and private use.

Phase 1 is completed in Ireland, Austria and Portugal. This basically involved collecting the well data from the small number of well owners who had not responded by the beginning of June deadline for this phase.

In phase 2 of the project the heat that could be extracted from the wells was completed for the remaining wells in each country. Phase 3 of the project commenced in Ireland, Austria and Portugal. The completion date for this phase is the beginning of March 1998 and at this time this Phase is completed in Ireland and Austria and almost completed in Portugal. Sites were selected in each country for the feasibility study which is to be carried out in Phase 4. A special data collection sheet was drawn up for this phase.

The project will lead to the installation of heat pump units at water production wells to generate heat for public and private use.

Finance

EU Support: 130.000 ECU

Eligible cost: 200.000 ECU

Contact

Co-ordinator: BRIAN P. CONNOR & ASSOCIATED LTD
Address: 1, RICHMOND, PRIEST'S ROAD, TRAMORE
CO. WATERFORD
IRELAND

Responsible: BRIAN P. CONNOR
Tel: 35351390650
Fax: 35351381932
Email: bpc_assoc@col.ie

Participants: CEEETA PARTEX CPS
CORK COUNTY COUNCIL
GEOLOGICAL SURVEY OF IRELAND
GEOTEAM
GEOTHERMA S.A.

PORTUGAL
IRELAND
IRELAND
ÖSTERREICH
FRANCE

COORDINATION OFFICE OF TARGETED DEMONSTRATION OF ENERGY TECHNOLOGIES IN THE TEXTILE-CLOTHING SECTOR

Action Nr: SUP-1040-1996-BE

Starting Date:

ONGOING

Aims and objectives

The objective of this action is to set up a Thermie textile-clothing co-ordination Office which will take responsibility for the stimulation of the European textile-clothing industry within the Thermie programme. The fundamental objective of this office is to ensure fullest possible participation of the European textile-clothing industry and textile machine manufacturers, particularly with respects to SMEs, in the Thermie programme and in relation to its targeted approach, concentrating on key emerging new technologies.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The project consists of the following phases :

- Phase 1 : development and initial implementation of dissemination strategy for projects.
- Phase 2 : preparation for the call for proposals (Promotion, Partner search, Identification of other financial sources.)
- Phase 3 : Time during the call of proposals (Proposal waiting & Pre-screening, Proposal Hot Line, Promotion via Trade Journals)

Expected Results

- Several articles published in various trade journals
- High number of proposals submitted within Thermie, Pre-screening of these proposals
- Database of relevant companies.

Finance

EU Support:	98.849 ECU	Eligible cost:	152.075 ECU
-------------	------------	----------------	-------------

Contact

Co-ordinator:	EUROPEAN ORGANISATION FOR APPAREL AND TEXTILES	Responsible:	SIMON GOSS
Address:	24 RUE MONTOYER 1040 BRUSSELS BELGIQUE	Tel:	32 2 230 95 80
		Fax:	32 2 230 60 54
		Email:	
Participants:	CTCA INSTITUT FÜR TEXTIL- UND VERFAHRENSTECHNIK TNO - CENTRE FOR TEXTILE RESEARCH	ITALIA DEUTSCHLAND NEDERLAND	

EE STREET LIGHTING: TOOL FOR RETROFIT ACTION PLANS PARTICULARLY TARGETED TO SMALL AND MEDIUM SIZE MUNICIPALITIES

Action Nr: DIS-1041-1996-IT

Starting Date: 01-Jan-97

ONGOING

Aims and objectives

In the view of accelerating BATs deployment, the proposed project aims at : 1. arising the interest of municipal decision makers and of their technical services into the matter of energy efficient street lighting; 2. stimulating them to take positive actions ; 3. assisting them in the task of conducting the technico-economic appraisal of a systematic retrofit action plan in their town/city. Although the proposed project is mainly targeted to small and medium size municipalities (which may more frequently lack the necessary internal expertise to deal effectively with energy efficiency issues) larger cities may well take advantage of it.

Description

The projects consists of three phases:

Phase 1): this phase foresees the realisation of a suitable software for the optimisation and management of retrofit action plans for lighting systems in small and medium size terms (max 200.000 inhabitants);

Phase 2) In this phase the following actions are foreseen:
- working session among the partners;
- adaptation of the package to the national contexts and testing.

Phase 3): In this phase the following tasks will be undertaken:
- analysis of the case studies;
- realisation of the accompanying publication;
- translations

Expected Results

The action has a remarkable potential for enhancing market penetration of energy-efficient street lighting technologies. Since all of these technologies are completely mature from any point of view and commonly available, the barriers to a sustained deployment in the generality of urban contexts are only informative and financial. Both these barriers are overcome by the proposed tools: quantification of possible energy and monetary savings and assistance for a technico-economic appraisal of retrofit plans, presentation of TPF mechanism as viable implementation level.

The project is susceptible to have a direct impact in terms of market penetration of energy efficiency technologies (light sources, improved luminaries, centralised voltage stabilisers and dimmers).

The action is expected to lead to concrete investment projects in innovative energy technologies in the lighting sector.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support: 98.144 ECU

Eligible cost: 130.858 ECU

Contact

Co-ordinator: FAST
Address: PIAZZALE RODOLFO MORANDI 2
20121 MILAN
ITALIA

Responsible: ALBERTO PIERI
Tel: 39 2 76 01 56 72
Fax: 39 2 78 24 85
Email: eurofast@icil64.cilea.it

Participants: AMBIENTE ITALIA
CENTER FOR RENEWABLE ENERGY SOURCES
CENTRO PARA A CONSERVAÇÃO DE ENERGIA
ICAEN
O.Ö. ENERGIESPARVERBAND

ITALIA
ELLAS
PORTUGAL
ESPAÑA
ÖSTERREICH

PREPARATION OF 5 SECTIONS OF THE "CLEAN COAL TECHNOLOGIES HANDBOOK"

FF

SF

Action Nr: DIS-1042-1996-ES

Starting Date: 01-Oct-96

ONGOING

Aims and objectives

The Clean Coal Technology Handbook aims at collecting in a Single Handbook all the developing or promising technologies for the Use of Coal and Solid Fuels. The Handbook is to be written at three levels: fundamentals, description of the technologies, case studies of real projects. This project aims at add 5 new chapters to the previous 3 produced .

Description

The following sectors will be produced :

- section four, "repowering", explains the present know-how used for making changes in old, obsolete powerplants, in order to improve their efficiency and their environmental parameters, within a reasonable cost and a minimum shutdown time.
- section five, "Flue Gas Cleaning", is concerned with the technologies that are already developed or being developed to eliminate polluting substances carried out in the flue gases of conventional combustion. These technologies are an intermediate step towards the clean technologies currently under development, but not yet fully commercial.
- section seven describes gasification of coal, the main gasification processes under development all over the world are described, outlining their advantages and inconvenients.
- section eight is devoted to Integral Gasification of Coal with Combined Cycle (IGCC). This is one of the most promising technologies, regarding efficiency as well as contaminants elimination.
- section ten deals with the recent and successful efforts made to obtain from coal liquid hydrocarbons. The Liquefaction technology is not economically viable at present, but the know-how must be kept alive until the inevitable moment comes when oil prices will rise.

Expected Results

The handbook will be a unique and useful tool for educating professionals in the coal industry.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support: 48.000 ECU

Eligible cost: 80.000 ECU

Contact

Co-ordinator: OCICARBON
Address: AUGUSTIN DE FOXA 29
28036 MADRID
ESPAÑA

Responsible: F. ALEGRIA
Tel: 34 1 733 86 62
Fax: 34 1 314 06 46
Email:

Participants: ETSU
TSU TUV RHEINLAND SICHERHEIT UND UMWELTSCHUTZ GMBH

UNITED KINGDOM
DEUTSCHLAND

PHOENIX PV: DEVELOPMENT OF A READY-TO-IMPLEMENT PLAN FOR LARGE-SCALE DEPLOYMENT OF GRID-CONNECTED PV SYSTEMS

Action Nr: DIS-1045-1996-DE

Starting Date: 01-Jan-97

ONGOING

Aims and objectives

The overall objective of the Phoenix PV project is to achieve a higher market penetration of grid-connected PV systems through nation-wide marketing, bulk purchase and a full-installation and a self-installation option.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The action will be realised through the development of a ready-to-implement plan for large-scale deployment of grid-connected PV systems addressing the development of a marketing strategy, identification of standardised PV system size classes, development of financial concepts and preparatory activities for the creation of a nation-wide PV adviser network.

Achieved Results

Main achievements up-to-date:

- . Identification of the lessons learned of the solar thermal Phoenix project and recommendations where this project can serve as guidelines for Phoenix PV implementation.
- . Evaluation and assessment of the national regulations for grid-connection in Germany and the Netherlands as an important prerequisite to widely deploy grid-connected PV systems on a standardised basis.
- . Definition of the target group for a nation-wide PV deployment campaign
- . Identification of four different standardised PV system concepts and size classes as a means for bulk purchase and maximised cost reduction potential.
- . Identification of high-level European PV system experts for independent evaluation of PV system offers.
- . Launch of marketing strategy development applying professional means of product marketing.

Finance

EU Support: 200.000 ECU

Eligible cost: 288.250 ECU

Contact

Co-ordinator: WIP-KG RENEWABLE ENRGIES DIVISION
Address: SYLVENSTEINSTR. 2
91369 MUENCHEN
DEUTSCHLAND

Responsible: DR. ANDREAS HÄNEL
Tel: 49 89 7201235
Fax: 49 89 7201291
Email: renewables@mail.tnet.de

Participants: BUND DER ENERGIEVERBRAUCHER E.V.
ENW-AMSTERDAM NV

DEUTSCHLAND
NEDERLAND

PROMOTION OF BIOFUELS AND EU EFFICIENT BIOMASS TECHNOLOGIES FOR ELECTRICITY PRODUCTION IN BRASIL

RES**BM**

Action Nr: DIS-1049-1996-PT

Starting Date: 01-Jan-97

COMPLETED

Aims and objectives

This action aims to promote biofuels and biomass efficient european technologies in Brasil; create business opportunities for EU companies in the Brazilian market and develop links between Brazilian and European actors

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

To achieve the aim above the action consisted in the organisation of a major conference in Brasilia followed by a site -tour as follows:

- Conference and Business Tour preparation, including careful targeting and dissemination.
- Follow-up and monitoring results

The conference gathered 120 European and Brazilian energy decision makers (Technology manufacturers and experts, central government representatives). It provided an opportunity for a fruitful exchange of experiences and technologies. The event was widely disseminated at the Brazilian press and counted with an important participation of Brazilian authorities in the energy, environment, industry and economics spheres.

Achieved Results

It is expected that the Business Mission has contributed to reinforce the contacts between EU and Brazilian companies and has created opportunities to implement new projects, through the creation of joint-ventures between EU and Brazilian companies.

As a direct outcome of the conference, three feasibility studies for the implementation of biomass projects in key areas in Brasil will be undertaken by EU and Brazilian entities. These demonstrations will apply EU technologies.

Finance

EU Support: 177.000 ECU

Eligible cost: 277.000 ECU

Contact

Co-ordinator: CEEETA PARTEX CPS

Address: RUA GUSTAVO DE MATOS SEQUEIRA 28 - 1° DTO
1200 LISBOA
PORTUGAL

Responsible: MARIA CARVALHO

Tel: 351 1 395 60 19/20

Fax: 351 1 395 24 90

Email: ceeeta@mail.telepac.ptParticipants: AGENCE POITOU CHARENTES ENERGIE DÉCHETS EAU
CIEMAT
ETA CONSULTING SRL
EUROPEAN BIO-ENERGY INDUSTRIES ASSOCIATIONFRANCE
ESPAÑA
ITALIA
BELGIQUE

ANALYSIS OF REGIONAL MARKETS FOR AIR CONDITIONING TECHNOLOGIES IN THE TERTIARY SECTOR

RUE

BU

Action Nr: STR-1051-1996-FR

Starting Date: 01-Dec-96

ONGOING

Aims and objectives

Bearing in mind the extensive development of air conditioning in the Mediterranean area, this action aims to analyse 3 regional markets for advanced envelope, window and air conditioning technologies, and the potential impact of the development and implementation of these technologies in terms of environmental protection and economic activity. Moreover, it will assess ways to influence the construction and retrofit market and to diffuse innovative financing procedures. The aim is to obtain higher levels of summer comfort and lower energy and power demand at equal or lower total life cycle costs.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The first step consists in making an assessment of the current situation and evaluating the trends which are developing in order to anticipate them by setting up preventive actions. Three regional studies are planned. Then the contractor proceed with the evaluation of the rehabilitation of air conditioning market

Expected Results

Assessment of the situation in 3 regions of the possibility to have recourse to alternative solutions.

Finance

EU Support: 113.840 ECU

Eligible cost: 227.680 ECU

Contact

Co-ordinator: AGENCE REGIONALE DE L'ENERGIE PROVENCE-ALPES-COTE
D'AZUR

Responsible: DOMINIQUE FLAHAUT
Tel: 33 91 91 53 00

Address: C.M.C.I. - RUE HENRI BARBUSSE 2
13241 MARSEILLE
FRANCE

Fax: 33 91 91 94 36
Email:

Participants: REGIAO CENTRO - PORTUGAL COMISSAO DE COORDENAÇÃO
REGIONE LOMBARDI - PUNTI ENERGIA

PORTUGAL
ITALIA

Action Nr: DIS-1054-1996-ES

Starting Date: 23-Dec-96

ONGOING

Aims and objectives

This proposal aims at contributing to an Industrial Toxic and Hazardous Waste Management Plan for Spain. It will provide a full multi-criteria (environmental, legal, administrative, socio- & techno-economic) assesment of the valorisation of waste in cement kilns. For that purpose, informations will be collected, specifications, assesments, business and marketing plans prepared, and also permits obtained for supporting a Thermie A project to be introduced by the consortium in january 1997. The approach will be of generic nature. Spain will be presented as a case. By this way, methodology duplication to other Member States, for further dissemination purpose, will become straightforward.

Description

The strategic plan of HISALBA is to use the maximum amount of waste and by-products as possible in the cement process in its five plants. A diverse variety of waste will be used either as raw material or as fuel in the cement kiln. The main purpose is to contribute to the waste management in Spain in a rational and safe way in the field of environment, technology and economy.

Expected Results

The energetic valorization of solid waste through Mid Kiln valve that will be installed in the kiln of Lorca, will lead to the reduction of fossil fuel consumption in a rate of 1%. This value will be added to the reduction already achieved by the use of alternative liquid fuels in the same kiln. It is hoped to reduce the 40% of conventional fuel consumption at the end of the project. This activity will lead to new incomes for the factory.

The result of this project is to implement in the plant of Lorca the best available technology that will allow the energetic valorization of a wide range of products (solid and liquids) together with a waste management as efficient and safe as possible. This project is the result of the agreement between Hisalba and corresponding Authorities.

Following the proposed plan, Hisalba will develop the project for the valorization of whole solid waste (tyres, bullets, drums, ...) in its cement kiln in Lorca. Due to the process:characteristics (similong kiln with two stage preheater) the solid waste will be introduced directly in the middle of the kiln, where the temperature is around 1100°C by mean of a new system patented by the company CADENCE. All the technical development necessary for the handling, storing, classification, dosing and process control will be done by Hisalba.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support: 130.723 ECU

Eligible cost: 201.113 ECU

Contact

Co-ordinator: HISALBA - HORNOS IBERICOS ALBA S.A.

Address: PO DE LA CASTELLANA 95
28046 MADRID
ESPAÑA

Participants: EMGRISA
ISE SPRL
SCORI

Responsible: ANGEL CACHAN SANTOS

Tel: 91 590 91 00

Fax: 91 590 91 30

Email:

ESPAÑA
BELGIQUE
FRANCE

PROMOTION OF RENEWABLE ENERGY SOURCES IN SOUTH-EAST ASIA (PRESSEA)

RES
GEN

Action Nr: DIS-1060-1996-GB

Starting Date: 01-Dec-96

ONGOING

Aims and objectives

The project aim is to investigate the feasibility of an information network for European renewable energy systems and technologies for rural electrification in 5 selected countries in South-East Asia. A pilot market study in the biomass sector will be conducted in two countries (Philippines and Thailand). The results from this will be a good example of the information which can be fed into the network. The PRESSEA project will add value to existing European programmes such as COGEN and will strengthen existing networks.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The project consists of 6 phases:

Phase 1: Determine target regions and technologies.

Phase 2: Assess the needs for information material.

Phase 3: Identify possible members of an information network and the necessary conditions for their involvement.

Phase 4: Select organisations which might form a "pilot network" in a small number of targeted countries.

Phase 5: Assessment of markets for biomass technologies in South-East Asia.

Phase 6: Project management, reporting and evaluation.

Expected Results

This phase of the project will assess the potential for establishing a renewable energy information network and will identify potential local partners. A network will enable a two way flow of important renewable energy information between interested European Union companies and South-East Asia partners. Asian partners will benefit from access to up to date information on European renewable energy technologies, products, information on successful renewable energy projects and also cases studies of best practice as well as contact details for possible project partners. This will help to stimulate the introduction and implementation of renewable energy technologies in the region.

It is expected that this project will build-on and enhance previous actions and focus specifically on the development of export opportunities across a range of European renewable energy technologies. It should result in a pragmatic action plan to co-operate with international organisations and thereby gain access to the sources of project funding required by THERMIE to supplement its promotional activity. This should help to stimulate the introduction and implementation of EU renewable energy technologies. This should help SMEs and improve their exporting prospects.

Finance

EU Support: 220.000 ECU

Eligible cost: 320.000 ECU

Contact

Co-ordinator: ETSU

Address: HARWELL 156
OX11 ORA DIDCOT
UNITED KINGDOM

Responsible: GILL WILKINS

Tel: 44 1235 43 3128

Fax: 44 1235 43 2331

Email:

Participants: BCEOM
ECOTEC RESEARCH AND CONSULTING
LDK CONSULTANTS ENGINEERS & PLANNERS
O.Ö. ENERGIESPARVERBAND
ZENTRUM FÜR RATIONELLE ENERGIEANWENDUNG UND UMWELT

FRANCE
UNITED KINGDOM
ELLAS
ÖSTERREICH
DEUTSCHLAND

ASSISTING THE EU RENEWABLE ENERGY INDUSTRY TO COMPETE IN THE WORLD MARKET



Action Nr: STR-1062-1996-GB

Starting Date: 01-Dec-96

ONGOING

Aims and objectives

The action is aimed to assist EU renewable energy industry to compete in the world market through the provision of feedback from SMEs and other companies on the perceived barriers to them exporting technologies to world-wide market and the formulation of a short-to-medium term strategy to address identified requirements. To this end, a complete review of all key EU programmes and those of international organisations will be accomplished which could assist RE technology suppliers in obtaining information or financial assistance. In parallel a barrier-assessment will be conducted in all EU member states to analyse present barriers to a stronger presence on the export market for third country markets. A final strategy document shall be edited and a dissemination scheme will ensure the publication of results including recommendations for key opportunities.

Description

Task I

Undertake a complete review of all key EU programmes (community and other international organisations) which could assist renewable energy suppliers when undertaking export activities.

Task II.

A market research study will be undertaken across all EU member states in order to identify the barriers and problems encountered by the EU industry when attempting to provide their goods and services in third countries.

Task III

Building up on tasks I & II a strategy paper will be produced for the European Commission and EU professional associations which aims to provide practical solutions to the perceived requirements of the market.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Expected Results

The main results will be a review of the key EU programmes which RE SMEs could use; the identification of the barriers-both real and perceived - which RE SMEs currently face; and the production of a strategy paper which will provide practical solutions to these barriers and thus assist the EU renewable energy industry to compete in the world market.

Finance

EU Support: 40.000 ECU

Eligible cost: 70.000 ECU

Contact

Co-ordinator: UNITED KINGDOM ANATOMIC ENERGY AUTHORITY
Address: AEA TECHNOLOGY - ETSU - 10.69 HARWELL
OX11 0RA DIDCOT
UNITED KINGDOM

Responsible: LORRAINE WATLING
Tel: 44 1235 43 2014
Fax: 44 1235 43 2050
Email: lorraine.watling@aeat.co.uk

Participants: DARUP ASSOCIATES APS
EUROPEAN FEDERATION OF REGIONAL ENERGY &
ENVIRONMENTAL AGENCIES

DANMARK
BELGIQUE

ELECTRICAL INTERCONNECTION OF LATIN AMERICA AND THE CARIBBEAN

RUE**EI**

Action Nr: STR-1064-1996-PT

Starting Date: 23-Dec-96

ONGOING

Aims and objectives

This action aims to complete the detailed survey on the methodology that needs to be developed for a technical-economical analysis of possible interconnection in the field of Latin American and the Caribbean countries in such a manner that the electrical sector in each one of the Latin American and Caribbean countries would optimize the global electrical power generation and transmission system, cut down generating cost in the development of all sectors and to the welfare of the population. At the same time this action aims to encourage the penetration of EU efficient energy technologies in Latin America, and promoting the competitiveness of the EU industrial sectors

Description

This action is intended to establish a data base of physical, technical and economical characteristics of electric systems at a country or sub-region level, which will hold the necessary information to allow, after analysis and methodological collating, recommendations to be formulated as to possible interconnections and actions for optimising the global electric power generating and transmitting system. The establishment of this data base will be made through the accomplishment of some tasks such as the gathering of basic information - including analysis and review of available information on previous interconnections and experiences of interconnections carried out among different European and American countries-, identification of physical and electrical characteristics of electrical systems- collection of data on production means, transmission networks and interconnections-, analysis of the energy market,- demand characteristics and collection of social characteristics-, in countries or sub-regions, electric systems expansion plans, legal and institutional aspects, examination of regulatory systems, interconnection projects and recommendations.

The study will be widely disseminated among EU key market actors, who can benefit from the findings.

Expected Results

Recommendations shall be suggested to be introduced in the electrical interconnection in Latin America and the Caribbean, resulting in the Electrical Expansion Plan for each one of the countries, the State of the Art and the Legal and Institutional Framework.

This action is expected to encourage the penetration of EU efficient energy technologies in Latin America, and promote the competitiveness of the EU industrial sectors, promote European Engineering Services Companies and European Equipment Manufacturers in Latin America markets and identify strategic possibilities of the Electric Systems in order to promote the Latin American markets in the European Industry.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support: 169.500 ECU

Eligible cost: 284.500 ECU

Contact

Co-ordinator: PARTEX CPS
Address: AV. DE OUTUBRO 160
1050 LISBOA
PORTUGAL

Responsible: CARLOS A.H. CARDOSO
Tel: 351 1 793 20 44
Fax: 351 1 797 95 16
Email: partex.ae.afp@mail.telepac.pt

Participants: IBERDROLA S.A.

ESPAÑA

CREATION OF AN ENERGY TECHN. DISSEMINATION NETWORK FOR THE BREWING SECTOR IN EUROPE

RUE
IN

Action Nr: STR-1072-1996-DE

Starting Date: 01-Jan-97

ONGOING

Aims and objectives

The aim of this proposal is to establish together with the European and national brewing associations an European Network for the dissemination and implementation of energy efficient technologies in the brewing sector and to launch a set of dissemination activities within the European regions with most of demand on technology transfer in Europe. Special regard will be given to activities supporting the introduction of innovative energy technologies supported under the Thermie programme to small and medium sized breweries. Based on the sectorial study, the results of the marketing group meetings till now and meetings with experts from industry, research, the associations and proposers, the most important technological developments as well as the future demand of technology demonstration in the brewing sector will be identified and a strategy for their wider implementation and replication will be developed. Based on the informations collected, 3 workshops, site visit and regularly newsletters will be implemented by the network.

Description

The work programme is divided in 6 tasks:

1. Establishing of Brewnet
2. Organisation of 3 regional workshops on brewing technologies and financing schemes
3. Organisation of a site visit tour to innovative technologies in Bavarian breweries.
4. Edition of regularly published articles in the newsletters of the trade associations.
5. Information and advice service.
6. Study on energy efficient technologies.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Expected Results

Expected results are the higher replication of new and innovative energy technologies in small and medium sized breweries in Europe and thus the strengthening of their competitiveness through:

- Information and advice
- Workshops
- Publications
- Dissemination activities
- Technology assessment

Finance

EU Support: 145.021 ECU

Eligible cost: 0 ECU

Contact

Co-ordinator: ZENTRUM FÜR RATIONELLE ENERGIEANWENDUNG UND UMWELT

Address: WIESHUBERSTRASSE 3
93059 REGENSBURG
DEUTSCHLAND

Participants: INSTITUTO PARA LA DIVERSIFICACION Y AHORRO DE LA ENERGIA
LDK CONSULTANTS ENGINEERS & PLANNERS
MARCH CONSULTING GOUNP

Responsible: TONI LAUTENSCHLÄGER
Tel: 49 941 46419 0

Fax: 49 941 46419 10
Email: fenzl.zreu@t-online.de

ESPAÑA
ELLAS
UNITED KINGDOM

EVALUATION OF THE POTENTIAL OF TECHNOLOGIES FOR NATURAL GAS IN THE CHILEAN MARKET AND OF THE MOST APPROPRIATE STRATEGIES

FF

OG

Action Nr: STR-1077-1996-ES

Starting Date:

ONGOING

Aims and objectives

Evaluation of the potential market for natural gas technologies in Chile and definitions of the specific actions for facilitating the penetration of EU equipment. The construction of one or several gas pipe lines from Argentina whose completion is foreseen for the year 1997 and the subsequent supply of natural gas to a big number of consumers will create a huge market for all kinds of technologies connected to the use of natural gas. Identify the market opportunities, the strong and weak points of the Chilean institutional and legal frameworks, the potential partners and the most suitable strategy considering not only Chile but also other markets in the region, mainly the MERCOSUR and the Andean areas.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

Appraisal of demand for natural gas and natural gas technologies.
Questionnaire and direct interviews with main actors in the sectors.
Evaluation of the financial instruments
Analysis of the legal and institutional conditions
Analysis of the market constraints
Definition of the most appropriate strategies
Follow up of the evolution of the market/strategies & Final report.

Expected Results

- At least the following items will be analysed in the guide :
- present situation of the technology : presence in the market, replacing technologies
 - Potential market organised by sectors
 - Main technological problems and difficulties for each technology
 - Presence of EU companies which are already in the market offering other products
 - Presence of non-EU companies which could offer similar products than the EU companies
 - Financial instruments
 - Potential partners.

Finance

EU Support: 100.000 ECU

Eligible cost: 200.000 ECU

Contact

Co-ordinator: SERVICIOS INTEGRALES DE AHORRO ENERGÉTICO
Address: SOR ANGELA DE LA CRUZ 6 - 6°
28020 MADRID
ESPAÑA

Responsible: FERNANDO FERRANDO
Tel: 34 1 581 34 34
Fax: 34 1 581 34 44
Email:

Participants: ADVIESBUREAU VOOR ENERGIESTRATEGI
ST CLEMENT SERVICES

NEDERLAND
UNITED KINGDOM

MOBILISING EXISTING FINANCIAL STRUCTURES IN INDIA AS A MEANS OF STIMULATING THE MARKET IN PV TECHNOLOGIES

Action Nr: STR-1078-1996-DE

Starting Date: 01-Jan-97

ONGOING

Aims and objectives

Provide a basis for liquidating the financing credit paralysis that exists within the PV markets in most developing countries and which prevents SMEs and other companies operating in the PV sector from accessing those lending mechanisms available to conventional energy concerns. The aim is to focus on existing credit structures in one target country and develop and implement a comprehensive strategy for mobilising these existing financial resources. Increasing liquidity should accelerate the development of the local PV market, providing expanded opportunities for both indigenous industry and for technology transfer from Europe.

Targets are financial institutions and PV technology industry operating at different market levels in India

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The project consists of 5 tasks :

1. Identification of barriers to the exploitation of existing structures for investment in PV in India.
2. Formulation of a strategy for improving liquidity in the Indian PV technology market based on the mobilisation of existing financial structures.
3. High-level international symposium aimed at appraising and publicising the proposed strategy (March 99).
4. Preparation of a booklet for financial institutions and SMEs
5. Training seminar for lending officials.

Expected Results

The results should be valuable and should have a significant impact both for the Indian PV market and the EU PV manufacturing industry. The aim is to develop a strategy for accessing existing financial structures and exploiting established lending mechanisms to provide higher level of capital than currently available.

Finance

EU Support: 178.000 ECU

Eligible cost: 275.000 ECU

Contact

Co-ordinator: WIP-KG RENEWABLE ENERGIES DIVISION
Address: SYLVENSTEINSTR. 2
91369 MUENCHEN
DEUTSCHLAND

Responsible: MURRAY CAMERON
Tel: 49 89 7201235
Fax: 49 89 7201291
Email:

Participants: TECHENERG LIMITED

IRELAND

STRATEGY FOR THE DISSEMINATION OF INFORMATION ON THE UTILIZATION OF BIOMASS IN THE SAARLORLUX REGION.

RES

BM

Action Nr: DIS-1082-1996-LU

Starting Date: 23-Dec-96

COMPLETED

Aims and objectives

The utilization of biomass plays an important role in the European efforts to save conventional energy sources. The SaarLorLux Region including the Belgian province of Luxembourg have an agricultural structure where the potential of biomass should be taken into consideration as energy source. For selected kinds of biomass by regions the best available technologies should be made known to interested groups, municipalities or agricultural cooperatives to initiate effective demonstration projects as start for market introduction in the region. Recently, the THERMIE B-type action DIS/0103/95-LU/DE/FR that consists of the assessment of the potential of biomass and the application of biomass technology in the concerned regions principal, has been approved by the Commission. The action proposed here addresses the need of an effective promotion and dissemination phase of that action. For this reason the aims of the action are to: - raise the public awareness for the energetic utilization of biomass, - disseminate the results of the market assessment phase on biomass potential; - mobilize

Description

An overview of the potential of the different types of biomass and the applicability of available valorization technologies is resulting from the action DIS/0103/95-LU/DE/FR. In a first phase this material will be presented to key economic actors, regional and local decision makers; industrialist, agricultural cooperatives, environmental organizations and other interest groups by the organisation of two regional workshops and an interregional conference. During these activities project developers and possible technology users will be identified.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Achieved Results

During the three events several business contacts have been established between customers and suppliers of biomass equipment.

There are now several investment projects in the region. The action has helped for a wider market survey of the investors.

Finance

EU Support: 117.000 ECU

Eligible cost: 181.000 ECU

Contact

Co-ordinator: LUXCONTROL SA
Address: 1, AV. DES TERRES ROUGES
4004 ESCH-SUR-ALZETTE
LUXEMBOURG

Responsible: RALF GOLDMANN
Tel: 00352 54 77 11 282
Fax: 00352 54 77 11 266
Email: energie@luxcontrol.com

Participants: ADEME LORRAINE
SAARLÄNDISCHE ENERGIE AGENTUREA

FRANCE
DEUTSCHLAND

FINANCING MECHANISMS AND MARKET POTENTIAL FOR THE EXPLOITATION OF RES

Action Nr: STR-1083-1996-ES

Starting Date: 01-Dec-96

ONGOING

Aims and objectives

The general aim of the action is the development of concepts, schemes and tools to further promote RES. This will be done through the following objectives :

- analysis of the Market - Investment - Financing relationship;
- analysis and proposal of new financial mechanisms, such as "Green Consumers" schemes for the development of new markets for renewable energies;
- establishment of the link between the supply side and the demand side for RES at regional level.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The project is divided into 3 tasks which are interlinked :

1. Analysis of successes and failures of new existing financing mechanisms such as "Green Consumers" schemes and proposal of new prototype financial schemes in the 6 regions concerned, taking into account their specific conditions and characteristics for the development of RES.
2. Development through a GIS Geographical Information System of the link between the supply side (in the line of the EPURE-APAS project with the same consortium) and the demand side at regional level. The system will be tested in 3 target regions : Crete, Sardinia, Wales.
3. The market potential for RES will be assessed in the 3 target regions , taking into account the regional specific institutional and other-conditions for electricity production and market, and incorporating the output of Tasks 1 and 2.

Expected Results

Definition of the real RES market potential in the 3 target regions considered by linking the supply potential of RES to the energy demand through a GIS platform. Recommendation of appropriate financial mechanisms taking into account the new existing RES financing mechanisms.

Finance

EU Support: 138.000 ECU

Eligible cost: 230.000 ECU

Contact

Co-ordinator: ECOSERVEIS
Address: CERAMICA 38
08035 BARCELONA
ESPAÑA

Responsible: JOAQUIM COROMINAS
Tel: 34 34 284 167
Fax: 34 34 284 167
Email:

Participants: AMBIENTE ITALIA
DECON
INESTENE
INTERMEDIATE TECHNOLOGY CONSULTANTS
LABORATORY OF INDUSTRIAL AND ENERGY ECONOMICS

ITALIA
DEUTSCHLAND
FRANCE
UNITED KINGDOM
ELLAS

Action Nr: DIS-1085-1996-GB

Starting Date: 01-Aug-96

COMPLETED

Aims and objectives

The International Offshore Contracting & Subsea Engineering Conference and Exhibition (IOCE) and the Offshore Mediterranean Conference and Exhibition (OMC) are focussed on specific technical and geographical sectors of strategic importance to the security of energy supply in the European Union. The aim of the EC's participation at IOCE and OMC is to promote THERMIE funded projects and demonstrate the latest European near market technology relevant to offshore oil and gas exploitation. Also, SMEs which have developed non-EC funded innovative technologies now ready for commercialisation are invited to participate on EU stands.

- _____
- Business-Mission
- _____
- Seminar
- _____
- Workshop
- _____
- Exhibition-stand
- _____
- Conference
- _____
- Training
- _____
- Exhibition
- _____
- Publication
- _____
- Audit-assessment
- _____
- Study
- _____
- Electronic Catalogue
- _____
- Other
- _____

Description

- Space selection and reservation
- Identification/recommendation of EU stand participants to and approval by DG XVII
- Preparation of show catalogue entry/show publicity material
- Issue letters of invitation to stand participants; monitor response
- Obtain exhibit equipment specifications; discuss stand design with contractor
- Select and order stand promotional material
- Organise exhibit equipment freight and insurance
- Organise stand catering
- Liaise with exhibitors re their attendance arrangements
- Attend/manage EU stand
- Complete Event Report

Achieved Results

Useful contacts between SMEs and visitors that potentially lead to sales.

Finance			
EU Support:	112.700 ECU	Eligible cost:	159.632 ECU

Contact			
Co-ordinator:	CENTRE FOR MARINE AND PETROLEUM TECHNOLOGY	Responsible:	JONATHAN SHACKLETON
Address:	EXPLORATION HOUSE, OFFSHORE TECHNOLOGY PARK	Tel:	44/1224 706600
	AB23 8GX ABERDEEN	Fax:	44/1224 706601
	UNITED KINGDOM	Email:	j.shackleton@cmpt.co.uk
Participants:	FAST		ITALIA

Action Nr: DIS-1086-1996-GB

Starting Date: 01-Sep-95

COMPLETED

Aims and objectives

The Offshore South East Asia Conference and Exhibition (OSEA) and the Rio Oil and Gas Exhibition are focussed on specific technical and geographical sectors of major importance for the development of the European oil and gas related industry. Thus the aim of the action is to promote THERMIE funded projects and demonstrate the latest European near market technologies relevant to oil and gas exploration and production in both regions.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

Space selection and reservation
Identification/recommendation of EU stand participants to and approval by DGXVII
Preparation of show catalogue entry/show publicity material
Issue letters of invitation to stand participants; monitor response
Obtain exhibit equipment specifications; discuss stand design with contractor
Select and order stand promotional material
Organise exhibit equipment freight and insurance
Organise stand catering
Liaise with exhibitors re their attendance arrangements
Attend/manage EU stand
Complete Event Report

Achieved Results

Good sales & business contacts. EU stand exhibitors will have the opportunity to market their innovative technologies & as has happened in the past, conclude important sales, accelerate deals that are under discussion, & establish business contacts with potential customers.
Please refer to Final Technical Report for a detailed analysis.

Finance

EU Support: 240.000 ECU

Eligible cost: 400.000 ECU

Contact

Co-ordinator: THE PETROLEUM SCIENCE AND TECHNOLOGY INSTITUTE
Address: OFFSHORE TECHNOLOGY PARK, EXPLORATION DRIVE
AB23 8GX ABERDEEN
UNITED KINGDOM

Responsible: PJ BIGG
Tel: 44 1224 706600
Fax: 44 1224 706601
Email:

Participants: PARTEX CPS

PORTUGAL

Action Nr: DIS-1087-1996-GB

Starting Date:

COMPLETED

Aims and objectives

To organise and manage a EU stand at the Offshore Technology Conference and Exhibition (OTC), the premier oil and gas trade show in the world, for presenting THERMIE funded projects and demonstrating the latest European hydrocarbons upstream technology.

- Business-Mission

- Seminar

- Workshop

- Exhibition-stand**

- Conference

- Training

- Exhibition

- Publication

- Audit-assessment

- Study

- Electronic Catalogue

- Other

Description

- Space selection and reservation
- Identification/recommendation of EU stand participants to and approval by DGXVII
- Preparation of show catalogue entre/show publicity material
- Issue letters of invitation to stand participants; monitor response
- Obtain exhibit equipment specifications; discuss stand design with contractor
- Select and order stand promotional material
- Organise exhibit equipment freight and insurance
- Organise stand catering
- Liaise with exhibitors re their attendance arrangements
- Attend/manage EU stand
- Complete Event Report

Achieved Results

36424 people attended the conference and approx. 1250 for the EC Stand.
121 queries were dealt with, 1500 brochures distributed.

Finance

EU Support:	107.000 ECU	Eligible cost:	176.000 ECU
-------------	-------------	----------------	-------------

Contact

Co-ordinator:	THE PETROLEUM SCIENCE AND TECHNOLOGY INSTITUTE	Responsible:	PJ BIGG
Address:	OFFSHORE TECHNOLOGY PARK, EXPLORATION DRIVE AB23 8GX ABERDEEN UNITED KINGDOM	Tel:	44 1224 706600
		Fax:	44 1224 706601
		Email:	
Participants:			

CONFERENCE ON NEW EUROPEAN TECHNOLOGIES FOR POLLUTION CONTROL AND ENVIRONMENTAL MONITORING, HAMBURG, OCTOBER 1997

FF

ENV

Action Nr: DIS-1089-1996-GB

Starting Date: 01-Apr-97

ONGOING

Aims and objectives

To promote new European technologies in the increasingly important field of pollution control and environmental monitoring/modelling. To highlight and explore key technical areas where further research, development and demonstration are required.

Business-Mission

Seminar

Workshop

Exhibition-stand

Description

Selection of Organising Committee
Organising Committee Meeting to decide conference title, venue and date, identify potential authors, keynote speakers
Selection of conference venue and accommodation
Preparation and distribution of first circular
Organising Committee Meeting to select papers, group into sessions, chairmen, and VIPs
Preparation and distribution of Final Programme and Registration Form, advertising
Liaison with speakers and exhibitors
Registration of delegates, booking of accommodation
Attendance and management of event
Preparation and distribution of event proceedings

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Expected Results

The conference will heighten the awareness of industry & government of innovative European pollution control technologies supported by the THERMIE programme. The event will also act as a catalyst for greater collaboration between SMEs, particularly those from different member states which have not had the benefit of EC funding.

Finance

EU Support:	68.600 ECU	Eligible cost:	105.520 ECU
-------------	------------	----------------	-------------

Contact

Co-ordinator: CENTRE FOR MARINE AND PETROLEUM TECHNOLOGY
Address: EXPLORATION HOUSE, OFFSHORE TECHNOLOGY PARK
AB23 8GX ABERDEEN
UNITED KINGDOM

Responsible: JONATHAN SHACKLETON
Tel: 44/1224 706600
Fax: 44/1224 706601
Email: J; Shackleton@cmpt.co.uk

Participants: GOPA-CONSULTANTS

DEUTSCHLAND

ELECTRICITY PRODUCTION FROM DRINKING WATER SUPPLY SYSTEMS IN MOUNTAIN AREAS

RES

HY

Action Nr: STR-1097-1996-FR

Starting Date: 01-Jan-97

ONGOING

Aims and objectives

The aim of this action is to define the economic and technical conditions necessary to the electricity production from drinking water supply system existing or to create. Action in 2 phases: 1/To work-out of a rapid, technical and economic pre-evaluation of an electricity production from drinking water supply system thanks to the analysis of reference operations. 2/ Test of this method with representative plants.(25)

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

Phase 1. analysis of reference operations

A deep study of successful existing experiences will be carried out.

This analysis will be realised mainly on operations of the Rhône-Alpes, Styrian, Madeira Region as and the Canton of Geneva. Nevertheless a few operations outside these regions will be also analysed.

Phase 2: Setting up of a global pre-evaluation method

Starting from the obtained results in phase 1, the different technical and economic factors for the realisation of electricity production from drinking water supply systems will be determined.

A study on the threshold below which a feasibility study is uneasy to envisage will also be carried out.

With all these different elements, it will be possible to establish a method of technico-economic pre-evaluation.

Phase 3: Testing study campaign

Thanks to the global pre-evaluation method, a testing study campaign will be carried out. Tests on a sample of 50 drinking water supply systems in the Rhône-Alpes and the Styrian Regions.

This testing study campaign will allow the optimization of the global pre-evaluation method. Moreover, it will lead to precise the break-even point of these equipments, the legal setting up to put forward, financial supports to

Expected Results

The 25 pre-studies will allow the optimization of the method setting and will make numerous owners aware of their potential of hydroelectric production.

Finance

EU Support: 136.980 ECU

Eligible cost: 228.400 ECU

Contact

Co-ordinator: RARE/RHÔNALPÉNERGIE-ENVIRONNEMENT

Address: C/ 10 RUE DES ARCHERS
69002 LYON
FRANCE

Responsible: CHRISTIAN LABIE

Tel: 33 78 37 29 14

Fax: 33 78 37 64 91

Email:

Participants: AGENCIA REGIONAL DE ENERGIA E AMBIENTE DA REGIAO
AUTONOMA DA MAD
LANDESENERGIEVEREIN
OCEN - MR. PHILIPPE JOYE

PORTUGAL

ÖSTERREICH

SWITZERLAND

CRITICAL SUCCESS FACTORS FOR NOVEL FINANCIAL MECHANISMS FOR RENEWABLE ENERGY PROJECTS IN PRIORITY AREAS OUTSIDE



Action Nr: STR-1100-1996-GB

Starting Date: 01-Feb-97

ONGOING

Aims and objectives

This project aims to help define and implement one important aspect of the European energy RTD strategy; how novel financial mechanisms can be best used to increase the uptake of European renewable energy technologies in priority areas outside the EU. This will lead to increased demand for EU exports in those countries which offer the greatest potential for market penetration. The project will also assist the Commission in the area of international co-operation by identifying the most effective ways to exploit synergies with other complimentary programmes carried out by international and national organisations, particularly those focusing on development aid or encouraging exports.

Description

The action will examine effective financial mechanisms used in developing countries, the critical success factors involved, and draw on wider experience of novel financial mechanisms. An international seminar will be held on the results of the work to re-use awareness of the case study profiles.

Phases :

1. Study on effective financial mechanisms in developing countries in form of case studies
2. Definition of critical success factors
3. Survey of experience of various national and international aid agencies
4. International Seminar (London, 27/02/98) on "Effective financing mechanisms of Renewable Energy Projects in Developing countries and emerging economies"

Expected Results

The action will help to stimulate increased deployment of EU renewable energy technologies in developing countries with EU priorities.

Increased understanding of how novel financial mechanisms can be most effectively used to develop renewable energy markets in priority regions outside the EU. The case studies will be very useful for potential exporters to aid their understanding of how local financial mechanisms operate in key emerging markets. Encouraging investment in these emerging renewable energy markets will lead to an improved export potential for both equipment suppliers and support services (e.g. finance, project management, insurance, developers, etc.). A more co-ordinated approach by the EC national Governments and international aid agencies to the types of financial instruments encouraged outside the EU would also be beneficial. Most of the companies likely to benefit from this action are small or medium sized companies.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support: 188.000 ECU

Eligible cost: 268.700 ECU

Contact

Co-ordinator: ETSU
 Address: HARWELL 156
 OX11 0RA DIDCOT
 UNITED KINGDOM

Responsible: DAVID MARTIN
 Tel: 44 1235 43 3541
 Fax: 44 1235 43 2410
 Email: david.j.martin@aeat.co.uk

Participants: ERNST & YOUNG - PO
 FONDATION "ENERGIE POUR LE MONDE"
 ICAEN
 INNOVATION ENERGY DEPT
 INSTITUT FOR ENERGITEKNIKK

PORTUGAL
 FRANCE
 ESPAÑA
 FRANCE
 NORGE

TOWARDS AN EUROPEAN LOW ENERGY STANDARD IN EXISTING BUILDINGS

RUE**BU**

Action Nr: STR-1101-1996-DE

Starting Date: 01-Jan-97

ONGOING

Aims and objectives

More than 90% of the building stock in Europe consists of buildings with actual or future energetic refurbishment demands due to their age, structure and technical state. The low energy consumption values for space heating of less than 50 kWh per sqm per annum under Northern European climatic conditions can only be reached at the moment in newly constructed low energy house. Their market potential is about 1 to 2% of the existing stock. The aim of this project therefore is to identify the market potential of energy saving technologies such as used in low energy houses, in the field of building retrofitting and to develop a strategy for the market introduction and wide replication of the technologies with the best energetic and economic impact. This will be done exemplary for 4 European countries where buildings heating plays an important role in the energy consumption structure.

Description

The work programme has been divided in 2 tasks:

1. Analysis of the market potential of technologies with low energy house standard in the building retrofitting sector (for the 4 member states France, Sweden, UK and Germany).
2. Development of a strategy to exploit the identified energy saving potential on European level.

Expected Results

Due to the detailed assessment of the building stock in 4 European countries priority measures for the most cost effective energy saving measures for the retrofitting of residential buildings will be elaborated and for the best applicable technologies dissemination strategies developed. Combined with legislative and financial recommendations a Europe wide strategy to accelerate the development towards low energy house standards in existing buildings will be set up and will lead to the market introduction of highly energy efficient energy saving technologies. An energy consumption reduction of 50% in the medium term can be expected in the residential building sector.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support: 142.445 ECU

Eligible cost: 284.890 ECU

Contact

Co-ordinator: ZENTRUM FÜR RATIONELLE ENERGIEANWENDUNG UND
UMWELTAddress: WIESHUBERSTRASSE 3
93059 REGENSBURG
DEUTSCHLANDParticipants: ADEME
CIT ENERGITEKMINSK ANALYS - INSTALLATIONSTEKNIK AB
ENERGY TECHNOLOGY PROMOTION LIMITEDResponsible: TONI LAUTENSCHLÄGER
Tel: 49 941 46419 0Fax: 49 941 46419 10
Email: fenzl.zreu@t-online.deFRANCE
SVERIGE
UNITED KINGDOM

Aims and objectives

RUBENS, Rational Use Building New Systems has the aim to increase the rational use of energy in non housing buildings to be built or to be retrofitted. The objective is to produce and to disseminate documentation material on new technologies, as follows : District Cooling (maxibrochure). Radiant Cooling (maxibrochure).

Description

The maxibrochure on District Cooling will describe this infrastructure subject with low distribution in Europe. use of alternative natural sources for district cooling production such as atmosphere, lakes, rivers, sea water and ground aquifers will be presented. Examples of plants, networks, consumer connections are some of the aspects which will be included in Case Studies.

The Radiant Cooling maxibrochure will focus on the re-examination of radiate cooling systems which were first used in buildings in the 1950's. Sociological and economical benefits are described and technical characteristics for the different systems and devices are described as well as a European market survey is included. Radiant cooling systems are suitable for use of natural sources with benefit for energy saving and CO2 emission.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Expected Results

Dissemination of documentation materials by the two Maxibrochures to decision makers at the different levels of the construction sector is expected to result in increasing choice of the techniques.

Each of the two Maxibrochures will be printed in 2000 copies. They will be available in the English languages.

Both Maxibrochure subjects include possibilities for reducing operating cost and improve production efficiency resulting in higher competitive power at the world market level.

In different European regions where the described techniques are not yet spread it is expected that project may be started.

Finance

EU Support: 60.000 ECU

Eligible cost: 80.000 ECU

Contact

Co-ordinator: TOP E, EUROPEAN CONSULTING ENGINEERING NETWORK
Address: AVENUE LOUISE 124
1050 BRUSSELS
BELGIQUE

Responsible: HENRY A. ROBA
Tel: 02 644 11 09
Fax: 02 640 92 56
Email: topebho@CompuServe.Com

Participants: CRONE & KOCH INTERNATIONAL A/S
INTERTECNO SPA
MARCQ & ROBA
TROUVIN INGENIERIE SA

DANMARK
ITALIA
BELGIQUE
FRANCE

INCREASING CHANCES OF SMES FOR SUCCESSFUL SUBMISSION OF THERMIE PROPOSALS

**ALL
GEN**

Action Nr: SME-1108-1996-DE

Starting Date: 01-Nov-96

COMPLETED

Aims and objectives

An evaluation of concrete companies accompanying them in the proposal and the acceptance process will show the barriers for SMEs in THERMIE and present proposals for modifications of the proposal procedure. The evaluation of answers given by companies will provide a fundament for a better integration of SMEs in the tender process. To accompany 4 SMEs in the approval phase

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

This project consists of two phases.

Phase 1: Evaluation of Former Proposers and Analysis of New Proposers

Development of a common methodology. The parallel evaluation of 2 companies who have completed a proposal procedure and 4 companies whose proposal procedure is on-going to learn about their experience and any particular problems which they encountered. Meeting of the partners to discuss the evaluation results and define common conclusions. These results have been presented to DGXVII at a meeting in Brussels during May 1997. The results of the evaluation have been disseminated by the partners through the magazines or information letters of the regional SME partner associations.

Phase 2: Analysis of the approval period and last meeting.

This second phase involves supporting the phase 1 SMEs during their proposal application. This involves support with the applications and advise as to the procedures and methodology which takes place within the Commission when proposal applications arrive. It may also include contract negotiations. The aim of this phase is to evaluate how SMEs are informed about the Commissions evaluation and approval process. This forms part of the continued analysis of the barriers which are currently faced by SMEs and the identification of possible ways to remove these.

Achieved Results

The final report stresses the main barriers and difficulties faced by SME's to access THERMIE Programme - Suggestions are given how to improve the general situation concerning : information delivered to SME's, simplification of submission procedures, transparency of the overall evaluation procedure until the signature of contracts.

Finance

EU Support: 153.665 ECU

Eligible cost: 236.409 ECU

Contact

Co-ordinator: SAARLANDISCHE ENERGIE-AGENTUR GMBH
Address: ALTENKESSELERSTR. 17
66115 SAARBRÜCKEN
DEUTSCHLAND

Responsible: NICOLA SACCA
Tel: 49 681 9762 174
Fax: 49 681 9762 175
Email:

Participants: AGENZIA PER LO SVILUPPO TECHNOLOGICO DELL'EMILIA ROMAGNA
BRANDENBURGISCHE ENERGIESPAR-AGENTUR GMBH
BRECSU OF BRE
CONPHOEBUS

ITALIA
DEUTSCHLAND
UNITED KINGDOM
ITALIA

FORMATION DES ELUS À LA PROBLEMATIQUE ENERGETIQUE DANS UNE APPROCHE DE DEVELOPPEMENT DURABLE

ALL
ENV

Action Nr: STR-1109-1996-FR

Starting Date: 01-Oct-96

ONGOING

Aims and objectives

To create and implement a training course for people elected to local authorities who play an important role in integrating energy efficiency into local management covering energy and environment, urban planning, the potential of local and renewable energy sources, financing ...

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Description

This action consists in the preparation of the content and the material needed to achieve the 18 training sessions. The target audience of these session is the local authorities. The experience will be consolidated in a meeting of the contractors. A final workshop will then be organised; this workshop is targeted to the attendees.

Training

Exhibition

Publication

Audit-assessment

Study

Expected Results

To inform and to stimulate the local authorities about the concept of energy efficiency, to reduce energy costs for local authorities and to protect the environment. It is expected to reach at least 350 elected people.

Electronic Catalogue

Other

Finance

EU Support: 97.500 ECU

Eligible cost: 215.300 ECU

Contact

Co-ordinator: ENTENTE NATIONALE DES ELUS DE L'ENVIRONNEMENT
Address: 17 RUE DU BOULOI
75001 PARIS
FRANCE

Responsible: M. ROBERT FIDENTI
Tel: 33 1 42 33 50 62
Fax: 33 1 42 33 50 63
Email:

Participants: AGENCE REGIONALE DE L'ENERGIE PROVENCE-ALPES-COTE
D'AZUR FRANCE
AMBIENTE ITALIA ITALIA
INSTITUT WALLON / ENERGIUM 2000 BELGIQUE
RARE/RHONALPENERGIE-ENVIRONNEMENT FRANCE

INTEGRATION OF ENERGY EFFICIENT EQUIPMENT IN TENDER DOCUMENTS OF PUBLIC SECTOR

RUE**BU**

Action Nr: STR-1111-1996-FR

Starting Date: 01-Nov-96

ONGOING

Aims and objectives

To demonstrate the feasibility of the integration of energy efficiency procedures in public sector tender documents in four European countries : France, Italy, Spain (Catalonia) and Belgium (Wallonia, Brussels). The objectives are threefold : To define efficient procedures and methods for the integration of energy efficient equipment in public sector tender documents. To disseminate information about efficient procedures and methods taken from successful experiments. To prepare a series of recommendations for the experimentation of an energy efficient integration procedure in Provence Ales Cote d'Azur, Catalonia, Wallonia and the Piemonte.

Description

There are 4 tasks in the work programme:

Task 1: A targeted study to allow better and complete integration of energy efficient equipment in public sector tender documents.

Task 2: Dissemination of methods in the four regions.

Task 3: Synthesis workshop to exchange experience.

Task 4: Final report and presentation of recommendations.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Expected Results

It is expected that the results will be twofold. Firstly the action will have provided the necessary tools to decision makers in cities or regions in order to integrate energy efficiency concepts in tender documents. Secondly the action will have raised awareness of these decision-makers and people in charge of public sector work.

Finance

EU Support: 72.829 ECU

Eligible cost: 145.559 ECU

Contact

Co-ordinator: AGENCE LOCALE DE L'ENERGIE PROVENCE COTE D'AZUR
Address: 63, PLACETTE DES PLAQUEMINIERS
06560 VALBONNE
FRANCE

Responsible: M. OUTREQUIN PHILIPPE
Tel: 33 92 94 06 78
Fax: 33 92 94 06 38
Email:

Participants: INSTITUT WALLON / ENERGUM 2000
RARE/RHONALPENERGIE-ENVIRONNEMENT
SOGES SPA.

BELGIQUE
FRANCE
ITALIA

EUROPEAN NATURAL GAS TECHNOLOGY WORKSHOPS AND EXHIBITION STAND AT AERION'97

FF

OG

Action Nr: DIS-1118-1996-GR

Starting Date: 01-Oct-96

ONGOING

Aims and objectives

The aims of the proposed action are: -- to inform potential users of natural gas on the best available technologies, -- to present the latest technological developments and products from the European industry, -- to provide an effective forum for business contacts, -- to assist the awareness of industrial, commercial and domestic sectors on natural gas technology and economics, -- to disseminate information on the technologies and equipment developed under THERMIE.

Description

The action consisted of the organisation of a two-day European Natural Gas Technology workshop to take place in Parallel with the AERION '97 - 3rd International Natural Gas Exhibition. Within the framework of the action, a THERMIE stand will also be organised aiming to disseminate and present successful THERMIE projects.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Expected Results

- The action is expected to have the following results:
- . promote the market penetration of European Natural Gas Technologies
 - . encourage the submission of new THERMIE Type A projects for N.G.
 - . to give advice to the market in implementing successful energy technologies

Finance

EU Support: 80.000 ECU Eligible cost: 120.000 ECU

Contact

Co-ordinator: LDK CONSULTANTS ENGINEERS & PLANNERS
Address: 7, SP. TRIANTAFYLLOU STR.
113 61 ATHENS
ELLAS

Responsible: LEONIDAS DAMIANIDIS
Tel: 301 8563181-2
Fax: 301 8563180
Email: ldk@mail.hol.gr

Participants: GOPA-CONSULTANTS
GROUPEMENT DES ENTREPRISES PARAPÉTRIOLIÈRES
PARTEX CPS

DEUTSCHLAND
FRANCE
PORTUGAL

EUROPEAN ACTION PLAN FOR THE IMPLEMENTATION OF THE CARNOT PROGRAMME



Action Nr: STR-1121-1996-GB

Starting Date:

ONGOING

Aims and objectives

The proposal aims at two central tasks :

- 1) Develop an implementation plan for the CARNOT programme and,
- 2) Set-up a European Clean Coal forum.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

There are 8 project tasks:

- Maintenance of a European clean coal industry forum;
- Prepare a review of worldwide clean coal programmes;
- Assess the barriers to take-up of European CCTs;
- Establish rigorous commercial market potential for EU CCTs;
- analyse the economic and environmental impact of the take-up of EU CCTs;
- analyse the socio-economic benefits of EU CCT uptake;
- prepare a dissemination strategy for the EC in field of CCTs;
- develop the rational and recommended activities for an Integrated European Clean Coal Programme.

Expected Results

The articulation of European industrie's needs, drivers and barriers to commercial success.

Finance

EU Support: 450.000 ECU

Eligible cost: 750.000 ECU

Contact

Co-ordinator: ETSU
 Address: HARWELL 154
 OX11 ORA DIDCOT
 UNITED KINGDOM

Responsible: D.H. MAUNDER
 Tel: 44 1235 43 35 90
 Fax: 44 1235 43 65 85
 Email: david.maunder@aeat.co.uk

Participants: CIEMAT
 KFA-BEO
 NOVEM

ESPAÑA
 DEUTSCHLAND
 NEDERLAND

SAFETY MANAGEMENT TRAINING FOR EAST EUROPEAN OIL AND GAS MANAGERS

FF
OG

Action Nr: DIS-1122-1996-GB

Starting Date: 01-Jan-97

ONGOING

Aims and objectives

The objectives of this action are : to promote the adoption of structured safety management techniques within the West Siberian Oil and Gas industry; to transfer effective skills and techniques in the management of safety, with specific application to the oil and gas industry; to promote opportunities for companies within the CEC to collaborate in joint ventures to provide technological services, consultancy and products to the Eastern Europe Oil and gas industry; to reinforce links already established with the East European Oil and Gas industry with a view to further training, technology transfer and energy efficiency activities

Description

The work programme is to design and present a training course for East European oil & gas managers in 'Safety Management Systems'. Follow on activities include presentation of a project report to the CEC, and preparation of a maxi brochure to disseminate the results of the action.

Expected Results

Expected achievements are to:

- . promote western technology & management systems
- . improved economic & environmental performance in Western Siberia
- . improved communications with Eastern European Business Management & Regulators

We anticipate increased consultancy opportunities and improved technology transfer activities.

The action is unlikely to lead directly to investment projects.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support: 90.000 ECU

Eligible cost: 130.000 ECU

Contact

Co-ordinator: UNITED KINGDOM ATOMIC ENERGY AUTHORITY
Address: CULHAM LABORATORY, BUILDING D5
OX14 3DB ABINGDOM
UNITED KINGDOM

Responsible: MRS. MOIRA SIMPSON
Tel: 44 1235 463578
Fax: 44 1235 464207
Email: moira.simpson@qeqt.co.uk

Participants: KEMA NEDERLAND BV
PARTEX CPS

NEDERLAND
PORTUGAL

DETAILED MODELING OF THE PRIORITY OF INDUSTRIAL ENERGY EFFICIENCY TECHNOLOGIES FOR EUROPE

RUE

IN

Action Nr: STR-1123-1996-GB

Starting Date: 01-Dec-96

ONGOING

Aims and objectives

The aim of this action is to establish the priority energy saving options for Europe's manufacturing industry, and to support national energy and CO2 forecasts with an insight into their techn. and industrial structure basis, by investigating the situation for the period 1995 to 2010. The objectives are a) to identify complete sets of existing and future potential energy saving techn.; b) to establish the potentials for specific techn., considering competition between options and using minimum overall cost and maximum energy saving potential; c) to identify the influence of changes in industrial structure on the intensity of final energy use in industrial subsectors; d) to establish RTD priorities by comparing overall energy saving potentials between countries; e) to compare national energy and CO2 forecasts with the techn. modelling i.o to identify priority opportunities and actions for demand side measures to improve emissions after 2000.

Description

Phase 1 - Technology database development and analysis.

- Task 1. Establish common technology and energy use databases
- Task 2. Review new and future technology information
- Task 3. Produce technology and end use database for Portugal
- Task 4. Develop energy efficiency supply curves for each sector in each country.
- Task 5. Analyse potentials for energy technologies in each country.

Phase 2 - Modelling and interpretation.

- Task 6. Review national energy forecasts and compare with technology potentials
- Task 7. Develop methodology to derive disaggregated technology: description of top-down national forecasts.
- Task 8. Implement methodology developed in task 7.
- Task 9. Conduct analysis to derive technology priorities for EU.
- Task 10. Define actions to extend methodology to full EU coverage.

Expected Results

The project will produce three main deliverables:

* A common methodology which enables bottom up pictures to be developed of the role of particular technologies or process changes and the effects of structural changes in industry, and how they compete, in contributing to energy futures as produced by forecasting models, for European manufacturing industry.

* Identification of existing and future priority energy saving technology options for all major industrial sub-sectors and for key manufacturing devices and processes in four European countries.

* Identification of the technology deployments and diffusion rates implied by different scenarios of national energy and CO2 forecasts, which may be used to identify the priority opportunities and actions for demand side measures to improve emissions after 2000, in support of the Berlin Mandate.

None expected.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support: 277.241 ECU

Eligible cost: 426.524 ECU

Contact

Co-ordinator: ETSU
Address: HARWELL 156
OX11 ORA DIDCOT
UNITED KINGDOM

Responsible: K. FLETCHER
Tel: 44 1235 432920
Fax: 44 1235 432662
Email: ken.fletcher@aeat.co.uk

Participants: CENTRO PARA A CONSERVAÇÃO DE ENERGIA
FACULTY OF CHEMISTRY, UTRECHT UNIVERSITY
FRAUNHOFER-INSTITUT FUER SYSTEMTECHNIK UND
INNOVATIONSFORSCHUNG

PORTUGAL
NEDERLAND
DEUTSCHLAND

IDENTIFICATION AND PREPARATION OF BANKABLE RUE/RES PROJECTS FOR THE EUROPEAN INVESTMENT BANK

RUE
RES
BU

Action Nr: DIS-1124-1996-GB

Starting Date: 01-Dec-96

ONGOING

Aims and objectives

The overall aims of this project are : Provide a mechanism for closer co-operation between the EIB and DGXVII ; Provide experts for technical support to the EIB to help identify and assess renewable energy and energy efficiency projects; Accelerate the market penetration of RES/RUE technologies in the EU by providing expert services aimed at targeting and focusing resources on the most promising projects for financing; To assess the feasibility of future expansion in RES/RUE financing from sources outside of the EIB, e.g. MS programmes, private sector funding etc., to maximise the synergies of co-operation between actors in the financial community.

Description

After the initiation phase involving DGXVII and EIB representatives development of a "checklist" of criteria to assess the "bankability" of projects. Then raising the profile of opportunities offered by the EIB and pilot testing of the procedure and tools.

The last phase involves the evaluation of the effectiveness the project, the follow-up and recommendation.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Expected Results

With the results of the project it is expected the EIB can more easily identify and judge on investments in RUE and RES projects. This will lead to a higher penetration of these technologies in the EU.

Finance

EU Support: 55.740 ECU

Eligible cost: 91.380 ECU

Contact

Co-ordinator: ECOTEC RESEARCH AND CONSULTING
Address: ALBERT STREET 28-34
B4 7UD BIRMINGHAM
UNITED KINGDOM

Responsible: ROBERT HAINES
Tel: 44 21 616 10 10
Fax: 44 21 616 10 99
Email:

Participants: CORA -SEA
LUXCONTROL SA
NATIONAL AGENCY FOR NEW TECHNOLOGY, ENERGY AND THE
ENVIRONMENT

DEUTSCHLAND
LUXEMBOURG
ITALIA

A STUDY OF MARKET CONSTRAINTS ON THE DEVELOPMENT OF POWER FROM BIOMASS

RES**BM**

Action Nr: STR-1125-1996-GB

Starting Date: 01-Jan-97

ONGOING

Aims and objectives

The aim is to provide key information for the development of a sectorial strategy for developing power from biomass within regions of the EU. The objectives are, for the technologies in this area, to a) examine by methodologies, including cost benefit analysis, the main constraints on the market, b) to collate and disseminate the information collected and c) thereby to improve collaboration between existing and potential market actors and facilitators.

Description

The work consists of :

- Task 1. Background information, including overviews of the electricity and heat markets, and definitions of biomass.
- Task 2. Develop an uniform basis of costing for power-from-biomass.
- Task 3. Develop a framework for risk-assessment, and for the deployment of commercial and contractual risk-sharing measures.
- Task 4. Develop options for systems to permit consumer choice in favour of "green" power.
- Task 5. Identify best practice for promotional tools.

Achieved Results

All phases are completed. Final report and summary report under preparation. The final report will draw together the three country studies (UK, ES, DK) and will put forward the conclusions and recommendations of the study.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Finance

EU Support: 145.000 ECU

Eligible cost: 225.220 ECU

Contact

Co-ordinator: GREEN LAND RECLAMATION LIMITED
Address: 25 RAY ROAD EAST
SL6 8SW MAIDENHEAD
UNITED KINGDOM

Responsible: DR. D.C. PIKE
Tel: 01628 778077
Fax: 01628 34340
Email:

Participants: SODEAN
STORSTROEM COUNTY

ESPAÑA
DANMARK

DISSEMINATION OF TARGETED PROJECT EC 2000 TO THE NON DOMESTIC SECTOR. ACTION 3: TECHNICAL DOSSIERS

Action Nr: DIS-1126-1996-GB

Starting Date: 01-Feb-97

ONGOING

Aims and objectives

This action aims at bringing together recent experience from EC 2000 and other EC projects on non domestic buildings and to produce 8 dossiers on specific design issues. They will be distributed to the non domestic network of decision makers and made available to the journalists contacts and usable at a major international conference. The objective is to disseminate EC2000 and (The THERMIE non-domestic target project) results to the target audience.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

Eight different technical experts from EC2000 and other European projects will meet and subsequently research and produce eight technical information Dossiers on important non-domestic building issues. Collaboration between the experts will ensure that the Dossiers are "state of the art".

Expected Results

8 state-of-the-art dossiers on different technical issues in low energy, non-domestic buildings, based on real experience from Thermie EC 2000 project. These will stimulate the non-domestic property and construction industry to improve energy efficiency in new buildings using tried and tested techniques.

Finance

EU Support: 42.500 ECU

Eligible cost: 70.580 ECU

Contact

Co-ordinator: ECD ENERGY AND ENVIRONMENT LTD
Address: EMERALD STREET 11-15
WC8N 3QL LONDON
UNITED KINGDOM

Responsible: SIMON BURTON
Tel: 44/171 405 3121
Fax: 44/171 405 1670
Email:

Participants: EMMA
ESBENSEN CONSULTING ENGINEERS
W/E CONSULTANTS SUSTAINABLE BUILDING

ESPAÑA
DANMARK
NEDERLAND

STRATEGY AND EXCHANGE OF EXPERIENCE FOR THE DEVELOPMENT OF INDUSTRIAL INFRASTRUCTURE FOR WIND ENERGY IN

RES

WE

Action Nr: SME-1127-1996-GB

Starting Date: 19-Dec-96

ONGOING

Aims and objectives

This action aims to assess the market potential for EU wind energy technologies in Argentina and develop a strategy to introduce EU key market players and associations to the opportunities offered by Argentina as a recipient country for WE technologies

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The action consists in the exchange of experience on the key success/failure factors for the development of an industrial infrastructure for wind energy. It comprises : the assessment of the market in Argentina for EU wind energy technologies, providing clear analysis of best areas for growth; the development a clear strategy for EU companies to increase cooperation and partnership with local organisations; guidelines to sources of financial support for export promotion; identification of who's who in Argentina; introduction of key market players and trade associations to the opportunities in this sector with Argentina; evaluation of the success of the activities and provide suggestions for follow-up activities.

Expected Results

Although completed, the action report is delayed.

The action is expected to lead to :

- an exchange of experience and enhanced coop between EU industry and local companies in the WE field, leading to opportunities for closer collaboration and eventual partnerships.
- an understanding of the requirements for both EU and local companies during the development of an infrastructure for the emerging WE market in Argentina.
- an awareness amongst EU WE companies of the opportunities for them in the emerging market in Argentina.
- an initial analysis and encouragement of the opportunities for increased coop. and partnerships between EU and Argentina industry.
- development of a model for co-operation and partnership for EU market planning.
- A reference source containing detailed information for use by interest parties in the future.

Finance

EU Support: 85.000 ECU

Eligible cost: 132.000 ECU

Contact

Co-ordinator: ECOTEC RESEARCH AND CONSULTING
Address: ALBERT STREET 28-34
B4 7UD BIRMINGHAM
UNITED KINGDOM

Responsible: RICHARD HAINES
Tel: 44 21 616 3600
Fax: 44 21 616 3699
Email:

Participants: BUREAU D'ETUDES PROSPECTIVE TECHNOLOGUE ET ENERGIE
ENERGY UNLIMITED
EUROPEAN WIND ENERGY ASSOCIATION
ICAEN
NATIONAL WIND POWER

LUXEMBOURG
UNITED KINGDOM
UNITED KINGDOM
ESPAÑA
UNITED KINGDOM

DEVELOPMENT OF A JOINT EXPERT'S NETWORK OF EU/IFI FOR THE EXCHANGE OF INFORMATION

Action Nr: DIS-1128-1996-GB

Starting Date: 01-Dec-96

ONGOING

Aims and objectives

The aims of this preparatory phase are to : Increase the flow and co-ordination of information between different international financing institutions (IFI) to optimise the use of financial resources and exchange actual experiences that should allow a better impact of the different programmes. Identify and establish a network of key contacts in each IFI - a 'Who's who' guide; Organise and manage an Expert's Forum which would meet at regular intervals to exchange information and explore an agenda about how to finance energy projects, and in particular renewable energy projects. Pool non-sensitive information on future activities, programmes, strategies etc. Disseminate this information in the form of a 'newsletter' type product - to be updated at regular intervals. Begin to discuss and elaborate procedures for closer co-operation between parties.

Description

The work is divided into 4 phases.

Phase 1 : initial preparation with an inception meeting, the development of a 'Who's-Who' database of contacts and of e-mail connections.

Phase 2 : production of 3 issues of a initially internal newsletter

Phase 3 : organisation of 3 meetings of the Expert Forum. The key objectives of the fora, besides information exchange, is to explore an agenda of the key issues for financing energy projects and to exchange experience of financing RES.

Phase 4 : evaluation of success and final reporting.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Achieved Results

A first meeting of the Expert Forum took place in Washington on 20 November 1997, with a.o. an important participation of World Bank and GEF representatives. The two following fora are foreseen to take place in London and in Madrid, to focus on the financing possibilities of RES projects respectively in Eastern European countries and in the Mediterranean area.

Finance

EU Support: 73.000 ECU

Eligible cost: 121.670 ECU

Contact

Co-ordinator: ECOTEC RESEARCH AND CONSULTING

Address: ALBERT STREET 28-34
B4 7UD BIRMINGHAM
UNITED KINGDOM

Responsible: RICHARD HAINES

Tel: 44 21 6163600

Fax: 44 21 6163699

Email:

Participants: BUREAU D'ETUDES PROSPECTIVE TECHNOLOGUE ET ENERGIE
NATIONAL AGENCY FOR NEW TECHNOLOGY, ENERGY AND THE
ENVIRONMENT
SAARLANDISCHE ENERGIE-AGENTUR GMBH
SUMITOMO BANK LIMITED

LUXEMBOURG
ITALIA

DEUTSCHLAND
UNITED KINGDOM

Action Nr: DIS-1134-1996-IE

Starting Date: 01-Jan-97

ONGOING

Aims and objectives

To produce a practice-oriented manual of environmentally conscious building design strategies; with emphasis on the rational use of energy; environmentally friendly materials and their application in architectural practice. Dissemination of the work via the internet and through a seminar.

 Business-Mission

Seminar

 Workshop

 Exhibition-stand

 Conference

 Training

 Exhibition

 Publication

 Audit-assessment

 Study

 Electronic Catalogue

 Other

Description

There are 6 phases to this project:

Phase 1: Project co-ordination and set-up.

Phase 2: Collection and evaluation of existing material.

Phase 3: Agreement on final format and contents, first draft of material.

Phase 4: Final drafting of material.

Phase 5: Production of final material, ACE Assembly seminar.

Phase 6 Dissemination.

Expected Results

It is expected that at the end of the programme the elected representatives, and the heads of their "sustainability" workgroups of the EU Professional and Registration architectural bodies will have received detailed, pragmatic material on RUE in buildings, with advice prepared by practising professionals from their own Member State architectural profession. The same material in 5 languages, will be available to all practising architects linked to the Internet. The same material will have been offered to small specialist publishers, in camera-ready format, on the same basis as other recent research work that has been published in this field.

Finance

EU Support: 188.500 ECU

Eligible cost: 313.500 ECU

Contact

Co-ordinator: UNIVERSITY COLLEGE DUBLIN

 Address: SCHOOL OF ARCHITECT, RICHVIEW, CLONSKEAGH
 DUBLIN 14
 IRELAND

Responsible: JAMES OWEN LEWIS

Tel: 353 12 692750

Fax: 353 12838908

Email:

 Participants: ARCHITECTS COUNCIL OF EUROPE, PER ACE-SERVICES EEIG
 SOFTECH ENERGIA TECNOLOGIA AMBIENTE
 SUOMEN ARKKITETILLITTO

 BELGIQUE
 ITALIA
 SUOMI

NEW AND IMPROVED TECHN. FOR THE CONSTR., REHABILITATION AND MAINT. OF URBAN GAS DISTRIBUTION NETWORKS

Action Nr: DIS-1135-1996-GR

Starting Date: 15-Feb-97

COMPLETED

Aims and objectives

The aim of the proposed action is to assist in the through mapping, integrated presentation and effective dissemination of technical knowledge concerning new and improved technologies for the construction, rehabilitation and maintenance of urban gas distribution networks.

The proposed Thernie workshop will be a useful and effective tool for the targeted dissemination of knowledge, which is not easily accessible, on the state of the art European technologies and equipment for the construction, rehabilitation and maintenance of urban gas distribution networks. This knowledge will benefit European gas companies, equipment manufacturers and professionals involved in gas distribution. It is expected to prove particularly useful in regions characterised by new network construction and/or existing network expansion, most notably Greece, Portugal, Bulgaria, Romania and the rest of the Balkans.

The workshop will constitute a valuable technology promotion and reference tool for:

Description

A two day workshop will be organised which will identify and present in an integrated fashion the latest European technologies concerning the construction, rehabilitation and maintenance of urban gas distribution networks. The discussion of technical developments and prospects will be complemented by analyse of related economic and financing issues and by the presentation of market penetration aspects and/or existing case studies. Invited speakers and participants will exchange views and experience through the presentation of papers and discussion.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Achieved Results

In order to evaluate the results of the workshop in an effective and reliable manner, a relevant questionnaire was formulated and distributed to all workshop participants. out of the 76 participants responded. The participants represented a wide spectrum of gas-related institutions and enterprises. About half of them came from the public sector and the municipal government. The other half represented mostly private construction, industrial and consulting enterprises.

More than two thirds of those who responded to the questionnaire rated the technical content of the workshop either very good or excellent. The great majority of those who responded rated the level of discussion and the participation of the audience satisfactory, while more than nine tenths found the workshop to be useful or very useful in enhancing their understanding of the subject matter. More than 2/3 of the respondents rated the workshop organisation either very good or excellent and all of them indicated that they would be interested in participating in similar workshops in the future. In order to disseminate the results of the workshop, its proceedings were mailed to a selected number of institutions, organisations and enterprises all over Europe. The mailing list included major gas companies, gas network equipment manufacturers, industrial groups, construction consortia and financial organisations with investment interests in urban gas network development and developers, owners and users of the technologies presented at the workshop.

Finance

EU Support: 66.000 ECU

Eligible cost: 94.000 ECU

Contact

Co-ordinator: INDUSTRIAL APPLICATIONS - STUDIES LTD
Address: 45, MEANDROUPOLEOS STR.
115 24 ATHENS
ELLAS

Responsible: NICHOLAS KARABATSOS
Tel: 30 1 69 17 579
Fax: 30 1 69 13 487
Email:

Participants: GAZ DE FRANCE

FRANCE

PROMOTION OF TECHNOLOGIES FOR THE RATIONAL USE OF ENERGY IN THE HEAVY CLAY SECTOR OF UKRAINE

RUE

IN

Action Nr: STR-1137-1996-ES

Starting Date: 01-Dec-96

ONGOING

Aims and objectives

Promote and disseminate among the Ukrainian industrialists and decision-makers the main modern technologies allowing energy savings in the heavy clay sector

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The project involves the realisation of a maxi-brochure on advanced energy-conscious technologies, the organization of a seminar in Ukraine, the organization of a business trip for three Ukrainian industrialists and one SCEC's official in Spain and in Italy. A final report will then be produced.

Expected Results

The expected result is the dissemination of EU modern technologies in the heavy clay industry to Ukraine industrialists. This will stimulate the Ukrainian market and result in mutual benefits for the EU organisations involved in these technologies and the Ukraine industry.

Finance

EU Support:	80.000 ECU	Eligible cost:	125.000 ECU
-------------	------------	----------------	-------------

Contact

Co-ordinator:	INSTITUTO PARA LA DIVERSIFICACION Y AHORRO DE LA ENERGIA	Responsible:	ENRIQUE BORRELL
Address:	PASSEO DE LA CASTELLANA 95 28046 MADRID ESPAÑA	Tel:	34 1 556 84 15
Participants:	INSTITUTO PER L'INNOVAZIONE STATE COMMITTEE FOR ENERGY CONSERVATION OF UKRAINE	Fax:	34 1 555 13 89
		Email:	
		ITALIA	UKRAINE

Action Nr: SUP-1141-1996-IT

Starting Date: 01-Jan-97

ONGOING

Aims and objectives

The aim is to improve collaboration on all aspects of technical, social and biomass supply nature, maximise opportunities for technical, and other risks to be tackled in common and to publicise the successful development and benefits of the THERMIE Targeted Projects on Biomass Gasification. The objective is to develop confidence in the technologies being demonstrated for the conversion of biomass (short rotation forestry) to electricity and heat based on Integrated Gasification Combined Cycles, and thus promote their replication within the EU and World-wide. Collaboration with other similar projects outside the EU is planned at a later stage but within the framework of this project. This is a well defined concerted action.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The horizontal management committee for the three Thermie targeted projects for power production from Biomass will meet to evaluate the technical progress reports of the three projects and to exchange information of technical nature. The Vernano project of SYDKRAFT in Sweden, has been included in the horizontal management Committee; this proposal reserves to the first two years. There are to be two meetings each year to identify a list of topics for which specific, targeted information packages will be produced.

Expected Results

Regular exchange of information between other non-EU based biomass gasification projects. Regular, structured and informed meetings will be held to investigate areas of common importance to the three projects, and the Värnano plant to identify and initiate problems, solutions and opportunities. Business opportunities will be created for technologies for the commission of biomass to electricity and heat and promoting their replication within the EU and world-wide.

Finance

EU Support: 135.000 ECU

Eligible cost: 0 ECU

Contact

Co-ordinator: BIOELETTRICA SPA
 Address: VIA ANDREA PISANO 120
 56122 PISA
 ITALIA

Responsible: P. BARBUCCI
 Tel: 39 50 535609
 Fax: 39 50 535021
 Email:

Participants: ELKRAFT A.M.B.A.
 YORKSHIRE ENVIRONMENTAL LIMITED.

DANMARK
 UNITED KINGDOM

THE ROLE OF M&T AND TPF IN FURTHERING EU AND WORLD BANK ENERGY TECHNOLOGY INVESTMENTS IN SLOVAKIA

RUE

IN

Action Nr: STR-1149-1996-GB

Starting Date: 01-Dec-96

ONGOING

Aims and objectives

The action aims at demonstrating how Monitoring and Targeting (M&T) and Third Part Financing (TPF) together can open the market in Slovakia for energy saving technologies in the industry. The action will be co-financed by the World Bank which supports Thermie sectoral priorities in the bank.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The project will first involve the selection of host sites for demonstrations and setting up M&T systems, then demonstration the savings, investigation the role of Third Part Financing TPF and finally the dissemination via a workshop in Bratislava.

Expected Results

Introduction of M&T systems in Slovakia, including the introduction of energy management reports and departmental energy budgets into production management meetings. Assessment of the feasibility of TPF to support the development of M&T in Slovakia.

Finance

EU Support: 142.000 ECU

Eligible cost: 332.000 ECU

Contact

Co-ordinator: MARCH CONSULTING GOUP

Responsible: I.R. BAILEY

Address: TELEGRAPHIC HOUSE, WATERFRONT 2000, SALFORD QUAYS
M5 2XW MANCHESTER
UNITED KINGDOM

Tel: 44 161 872 36 76

Fax: 44 161 848 01 81

Email:

Participants: SYNERGIA

ELLAS

TIA TEACHING IN ARCHITECTURE - INTERNATIONAL CONFERENCE FOR TEACHERS IN ARCHITECTURE

RES**GEN**

Action Nr: DIS-1150-1996-IT

Starting Date: 23-Dec-96

ONGOING

Aims and objectives

To promote an International Conference in Florence and preparing an International Directory for Teachers of Energy and the Environment in Schools of Architecture.

Business-Mission

Seminar

Workshop

Exhibition-stand

Conference

Training

Exhibition

Publication

Audit-assessment

Study

Electronic Catalogue

Other

Description

The ACTION will bring together teachers and researchers addressing a broad spectrum of scientific endeavour in the rapidly evolving field of sustainability in Architecture. The Action is composed by two Events, The Conference in Florence, and the publication of a Data Bank that will be distributed in the European Universities and Research Institute. The basis of the affiliation between the two Universities is their common interest in the development, demonstration and ultimately the dissemination of innovative teaching techniques in the realm of sustainable architecture. These events will provide an opportunity to integrate the different components of scientific and design developments particularly in the teaching of Bioclimatic Architecture. It is essential that the University Community should better understand how to apply the concept of Sustainability in teaching in order to develop the best educational practices in sustainability in Architecture and assess the tools for a better teaching profession.

Achieved Results

This Action will create many new job opportunities because it will create new specialisations in Universities. This means new figures within the University teaching on RE and the enhancement of the University researches in the field.

Furthermore, the teaching of RE in Universities will form new professional figures, architects, technicians, etc., specialised in the field which will enter into the business world and the market with the acquired knowledge, giving them more job opportunities.

The principal result of this Action is the establishment of a permanent network between Universities and Research Institutions in Europe, where information on RE will be exchanged.

Finance

EU Support:	58.200 ECU	Eligible cost:	77.600 ECU
-------------	------------	----------------	------------

Contact

Co-ordinator: ARCHITECTURE UNIVERSITY OF FLORENCE
Address: VIA S. NICCOLO 93
50132 FLORENCE
ITALIA

Responsible: DR. MARCO SALA
Tel: 39 55 4376300
Fax: 39 55 4224467
Email: marco-sala@cesi1.unifi.it

Participants: SCHOOL OF ARCHITECTURE - OXFORD BROOKES UNIVERSITY UNITED KINGDOM

European Commission

**Synopsis of THERMIE Actions 1995-96 — Dissemination — RTD Strategy —
Technology Stimulation of SMEs**

Luxembourg: Office for Official Publications of the European Communities

1998 — ii, 403 pp. — 21 x 29,7 cm

ISBN 92-828-3949-4

ORGANISATIONS FOR THE PROMOTION OF ENERGY TECHNOLOGY

Within each Member State there are a number of organisations recognized by the European Commission as an Organisation for the Promotion of Energy Technology (OPET). It is the role of these organisations to help to coordinate specific promotional activities within Member States. These include staging of promotional events such as conferences, seminars, workshops or exhibitions as well as production of publications associated with the THERMIE programme.

ADEME

27, Rue Louis Vicat
F-75737 Paris
Tel: +33 1 47 65 20 41
Fax: +33 1 46 45 52 36
E-mail: ademcepi@imaginet.fr

ASTER-CESEN

Via Morgagni, 4
IT-40122 Bologna
Tel: +39 51 236242
Fax: +39 51 227803
E-mail: opet@aster.it

BEO

Postfach 19 13
D-52425 Julich
Tel: +49 2461 61 3739
Fax: +49 2461 61 2880
E-mail: d.ullerich@kfa-juelich.de

BRECSU

Bucknalls Lane, Garston
GB-WD2 7JR Watford
Tel: +44 1923 664540
Fax: +44 1923 664097
E-mail: crooksm@bre.co.uk

CCE

Estrada de Alfragide, Praceta 1
P-2720 Alfragide
Tel: +351 1 4718210
Fax: +351 1 4711316
E-mail:
dmre.cce@mail.telepac.pt

CLER

28, Rue Basfroi
F-75011 Paris
Tel: +33 1 46590444
Fax: +33 1 46590392
E-mail: cler@worldnet.fr

CMPT

Offshore Technology Park,
Exploration Drive
GB-AB23 8GX Aberdeen
Tel: +44 1224 853440
Fax: +44 1224 706601
E-mail: j.kennedy@cmpt.co.uk

CORA

Altenkesselerstrasse 17
D-66115 Saarbrücken
Tel: +49 681 9762 174
Fax: +49 681 9762 175
E-mail: sacca@sea.sb.eunet.de

CRES

19 km Marathonos Ave
GR-190 09 Pikermi
Tel: +30 1 60 39 900
Fax: +30 1 60 39 911
E-mail:
mkontini@cresdb.cress.adriad-
net.gr

Cross Border OPET-Bavaria- Austria

Wieshuberstrasse, 3
D-93059 Regensburg
Tel: +49 941 46419 0
Fax: +49 941 46419 10
E-mail: fenzl.zreu@t-online.de

ENEA

S Maria di Galeria
IT-00060 Roma
Tel: +39 6 3048 4118
Fax: +39 6 3048 4447
E-mail:
enea_opet@casaccia.enea.it

Energy Centre Denmark

P.O. Box 141
DK-2630 Taastrup
Tel: +45 43 50 70 80
Fax: +45 43 50 70 88
E-mail: ecd@dti.dk

EVE

Edificio Albia I Planta 14-C. San
Vicente 8
ES-48001 Bilbao
Tel: +34 4 423 50 50
Fax: +34 4 424 97 33
E-mail: jreig@eve.es

ETSU

Harwell-Didcot
GB-OX11 ORA Oxfordshire
Tel: +44 1235 432014
Fax: +44 1235 432050
E-mail:
lorraine.watling@aeat.co.uk

FAST

2, P. le R. Morandi
IT-20121 Milano
Tel: +39 2 76 01 56 72
Fax: +39 2 78 24 85
E-mail: paola.gabaldi@fast.mi.it

GEP

45, Rue Louis Blanc
F-92038 Paris La Défense
Cedex
Tel: +33 1 47 17 68 65
Fax: +33 1 47 17 67 47
E-mail: gep@gep-france.com

ICAEN

Avinguda Diagonal, 453 bis, atic
ES-08036 Barcelona
Tel: +34 3 4392800
Fax: +34 3 4197253
E-mail: edificis@icaen.es

ICEU

Auenstrasse 25
D-04105 Leipzig
Tel: +49 341 9804969
Fax: +49 341 9803486
E-mail: krause@iceu.manner.de

ICIE

Via Nomentana 133
IT-00161 Roma
Tel: +39 6 8549141
Fax: +39 6 8550250
E-mail: icie.rm@agora.strm.it

ICTAF

Tel-Aviv University
IL-Tel-Aviv 69978
Tel: +972 3 6407575
Fax: +972 3 6410193

IDAE

Paseo de la Castellana 95,
planta 21
ES-28046 Madrid
Tel: +34 1 456 5024
Fax: +34 1 555 1389
E-mail: vvivanco@idaes.es

IMPIVA

Plaza Ayuntamiento, 6
ES-46002 Valencia
Tel: +34 6 398 6336
Fax: +34 6 398 6322
E-mail:
ximo.ortola@impiva.m400.gva.es

Institut Wallon

Boulevard Frère Orban 4
B-5000 Namur
Tel: +32 81 25 04 80
Fax: +32 81 25 04 90
E-mail: iwallon@mail.interpac.be

Irish Energy Centre

Glasnevin
IRL-Dublin 9
Tel: +353 1 8082073
Fax: +353 1 8372848
E-mail: opetiec@irish-energy.ie

IRO

P.O. Box 7261
NL-2701 AG Zoetermeer
Tel: +31 79 3411981
Fax: +31 79 3419764
E-mail: iro@xs4all.nl

LDK

7, Sp. Triantafyllou St.
GR-113 61 Athens
Tel: +30 1 8563181
fax: +30 1 8563180
E-mail: ldkopet@mail.hol.gr

NIFES

8 Woodside Terrace
GB-G3 7UY Glasgow
Tel: +44 141 332 4140
Fax: +44 141 332 4255
E-mail: glasgow@nifes.co.uk

NOVEM

Swentiboldstraat 21, P.O. Box
17
NL-6163 AA Sittard
Tel: +31 46 42 02 326
Fax: +31 46 45 28 260
E-mail: ninovade@ibmmail.com

OPET-EM

S-117 86 Stockholm
Tel: +46 8 681 6554/9514
Fax: +46 8 681 9328
E-mail:
sonja.ewerstein@nutek.se

NVE

P.O. Box 5091, Majorstua
N-0301 Oslo
Tel: +47 22 95 93 23
Fax: +47 22 95 90 99
E-mail: hbi@nve.no

OPET Austria

Linke Wienzeile 18
A-1060 Vienna
Tel: +43 1 586 15 24 ext 21
Fax: +43 1 586 94 88
E-mail: lechner@eva.wsr.ac.at

OPET Finland Technology Development Centre Tekes

P.O. Box 69, Malminkatu 34
FIN-00101 Helsinki
Tel: +358 105215736
Fax: +358 105215908
E-mail: marjatta.aarniala@tekes.fi

OPET Luxembourg

Avenue des Terres Rouges 1
L-4004 Esch-sur-Alzette
Tel: +352 547 711 282
Fax: +352 547 711 266
E-mail: goldmann@luxcontrol.com

OPET Norrland

Norrlandsgaten 13, Box 443
S-901 09 Umea
Tel: +46 90 77 69 06
Fax: +46 90 16 37 19
E-mail: opet.venet@swipnet.se

Orkustofnun

Grensasveggi 9
IS-108 Reykjavik
Tel: +354 569 6105
Fax: +354 568 8896
E-mail: ete@os.is

PARTEX-CEEETA

Rua Gustavo de Matos Sequeira,
28-1.Dt
P-1200 Lisboa
Tel: +351 1 395 6019
Fax: +351 1 395 2490
E-mail: ceeeta@mail.telepac.pt

RARE

50 rue Gustave Delory
F-59800 Lille
Tel: +33 3 20 88 64 30
Fax: +33 3 20 88 64 40

SODEAN

Isaac Newton s/n
Pabellón de Portugal-Edificio
SODEAN
ES-41012 Sevilla
Tel: +34 5 4460966
Fax: +34 5 44 60628
E-mail: mborra@lander.es

SOGES

Corso Turati 49
IT-10128 Turin
Tel: +39 11 3190833/3186492
Fax: +39 11 3190292
E-mail: sogint@tin.it

VTC

Boeretang 200
B-2400 Mol
Tel: +32 14 335822
Fax: +32 14 321185
E-mail: vdberghh@vito.be

Wales OPET Cymru

Machynlleth
GB-SY20 8AX Powys
Tel: +44 1654 705000
Fax: +44 1654 703000
E-mail: opetdulas@gn.apc.org

FEMOPETs**National Technical Information Centre and Library OMIKK**

Muzeum Utca 17
HU-1088 Budapest
HUNGARY
Tel: +36 1 138 2300
Fax: +36 1 138 2414
E-mail: nyerges@omk.omikk.hu

Energy Centre Hungary

Könyves Kálmán Körút 76
HU-1087 Budapest
HUNGARY
Tel: +36 1 269 9067
Fax: +36 1 269 9068
E-mail: szaloki.andras@euro-web.hu

Technology Centre AS CR

Rozvojova 135
CZ-165 02 Prague 6
CZECH REPUBLIC
Tel: +420 2 203 90203
Fax: +420 2 325 630
E-mail: klusacek@tc.cas.cz

Jozef Stefan Institute

Energy Efficiency Centre
Jamova 39
SI-1000 Ljubljana
SLOVENIA
Tel: +386 61 1885 210
Fax: +386 61 1612 335
E-mail: boris.selan@ijs.si

Energy Centre Bratislava

SEI-EA
Bajkalská 27
SI-82799 Bratislava
SLOVAKIA
Tel: +421 7 566 0586
Fax: +421 7 526 4243
E-mail: ececwild@inbox.bts.sk

EC BREC-LEI FEMOPET

EC BREC IBMER,
ul. Reduta Zbik 5,
PL-80 761 Gdansk
POLAND
Tel: +48 58 315 788
Fax: +48 58 316 636
E-mail: grewis@ibmer.waw.pl

FEMOPET Poland KAPE-BAPE-GRAPE

KAPE
ul. Nowogrodzka 35/41, XII p.,
PL-00-950 Warszawa
POLAND
Tel: +48 22 62 22 794
Fax: +48 22 62 22 796
E-mail: babut@alfa.it.pw.edu.pl

FEMOPET-LEI Lithuania

Lithuanian Energy Institute
3 Breslaujos str,
LT-3035 Kaunas
LITHUANIA
Tel: +370 7 35 14 03
Fax: +370 7 35 12 71
E-mail: felix@isag.lei.lt

LATVIA FEMOPET

B.V. EKODOMA Ltd.,
Zentenes Street 12-49
LV-1069 Riga
LATVIA
Tel: +371 721 05 97
Fax: +371 721 05 97
E-mail: ekodoma@mail.bkc.lv

ESTONIA FEMOPET

Estonian Foundation of
European Union,
4 Veski Str.,
EE-2400 Tartu,
ESTONIA
Tel: +372 7 44 73 28
Fax: +372 7 46 57 98
E-mail: rene@eenet.ee

Research Center ICEMENERG

8, Energeticienilor Blvd
RO-3, Bucharest 79619
ROMANIA
Tel: +401 322 0917
Fax: +401 322 2790
E-mail: crit@mail.gvci.vsat.ro

Sofia Energy Center Ltd.

51, James Boucher Blvd.
BG-1407 Sofia
BULGARIA
Tel: +359 2 96 25158
Fax: +359 2 681 461
E-mail: ecencentra@enpro.bg

Black Sea Regional Energy Centre-BSREC

8, Triaditza Str.
BG-1040 Sofia
BULGARIA
Tel: +359 2 980 6854
Fax: +359 2 980 6855
E-mail: ecsynkk@bsrec.bg

*These data are subject to possible change.
For further information please contact:
OPET - CU
Fax: +32 2 743 8931*

The overall objective of the Community's Energy Policy is to help ensure the security of energy supplies for European citizens and businesses at competitive prices and in an environmental compatible way. DG XVII initiates, coordinates and manages energy policy actions at European level in the fields of solid fuels, oil and gas, electricity, nuclear energy, renewable energy sources and the rational use of energy. The most important actions concern the security of energy supply and international cooperation, the integrity of energy markets, the promotion of sustainable development in the energy field and finally the promotion of energy research and technological development through demonstration projects. DG XVII manages several programmes such as SYNERGY, SAVE, ALTENER and THERMIE. More information is available on DG XVII's pages on EUROPE, the Commission's server on the World Wide Web.

The European Commission
Directorate-General for Energy DG XVII
200 rue de la Loi
B-1049 Brussels
Belgium

Fax: +32 2 2950577
Internet: <http://europa.eu.int/en/comm/dg17/dg17homepage.htm>



OFFICE FOR OFFICIAL PUBLICATIONS
OF THE EUROPEAN COMMUNITIES
L-2985 Luxembourg

ISBN 92-828-3949-4



9 789282 839492