



Project 518066

AFRICAN WATER

Supporting African involvement in the EU Framework Programme

Instrument: Specific Support Action

Thematic priority: Integrating and Strengthening the European Research Area

D1.1.1

Africa-specific training material

D1.1.2

Training Powerpoint Presentations

Due date of deliverable: 31/12/2007

Actual submission date: 03/10/2008

Start date of project: 01/07/2005

Duration: 30 months

Centre for Ecology and Hydrology, UK & UK Research Office, Belgium

Project co-funded by the European Commission within the Sixth Framework Programme (2002-2006)		
Dissemination Level		
PU	Public	X
PP	Restricted to other programme participants (including the Commission Services)	
RE	Restricted to a group specified by the consortium (including the Commission Services)	
CO	Confidential, only for members of the consortium (including the Commission Services)	

Revision version 3

List of contents

1 Information and training tools	1
2 Introduction to EU institutions	2
3 Introduction to FP7	4
4 Water-related research opportunities in FP7	13
5 Proposal preparation	20
6 Contracts and finance	28
7 Support for African researchers	32
8 Marie Curie programme	34
9 Opportunities beyond FP7	38
10 Institutional strategies for participation	40

1. Information and training tools

Raising public participation and awareness through information, training and communication tools has been the responsibility of WP1. The activities described in this report include the development of Africa-specific training material and presentations (D1.1.1 and D1.1.2) for the regional training workshops (D3.2.1).

Three regional training workshops, through which the participants received various levels of training and/or information about FP7, were held. The first was in Pretoria, South Africa (Southern Africa, 31 attendees) in early 2007, after the work programmes and participation rules for FP7 had been finalised and the first call for proposals had been made. The second and third workshops were held in Dakar, Senegal (West Africa, 16 attendees) and in Nairobi, Kenya (East Africa, 19 attendees) in late 2007, before the second call. Lessons learned in the earlier workshop in Pretoria were used to modify the structure and materials highlighted in the Dakar and Nairobi workshops.

Topics covered in the workshops included the EU, FP7 and water-related research opportunities, proposal preparation and consortium building, contracts and finance, support for African researchers, and other opportunities for funding.

- Introduction to EU institutions
- Introduction to FP7
- Water-related research opportunities in FP7
- Proposal preparation (consortium building, proposal writing, proposal submission, etc)
- Discussion of African experiences of participating in the Framework Programme
- Support for African researchers
- Contracts and finance
- Marie Curie Programme
- Opportunities beyond the Framework Programme
- Discussion on institutional strategies for participation

Presentations from all the workshops are available for download from the African Water website. The content is based on materials used by UKRO in their training programmes of liaison officers from UK research and higher education organisations, modified for an African audience, and on material used in briefing of CEH staff regarding FP7 structure, trends and opportunities. This report contains the versions of the presentations from the final training workshop in Nairobi, thereby incorporating all the appropriate Africa-specific information and issues that had been raised in the earlier workshops. All the workshops provided an opportunity for the participants to network amongst themselves and to feedback on the participants' experiences of EU FP and the changes needed to make the FP more "Africa friendly". The Dakar and Nairobi workshops also provided slots for one-to-one discussions with the trainers.

2. Introduction to EU Institutions

UKRO
UK RESEARCH OFFICE

Introduction to UKRO and the European Union

African Water, Nairobi, 28 – 30 November 2007

Amanda Crowfoot
Director
UK Research Office
amanda.crowfoot@tiscali.co.uk
<http://www.ukro.ac.uk>

UKRO
UK RESEARCH OFFICE

- Arts and Humanities Research Council
- Biotechnology and Biological Sciences Research Council
- Economic and Social Research Council
- Engineering and Physical Sciences Research Council
- Medical Research Council
- Natural Environment Research Council
- Science and Technology Facilities Council

UK Research Office

UKRO
UK RESEARCH OFFICE

UKRO's Aim

...to promote effective UK participation in EU-funded research programmes, higher education programmes, and other related activities...

Based in Brussels, UKRO:

- Provides early insight and briefing;
- Disseminates EU funding opportunities;
- Provides high quality guidance and training; and
- Exchanges information between the UK and EU

UK Research Office

UKRO
UK RESEARCH OFFICE


UKRO's Services

- For members only:
 - Web site: <http://www.ukro.ac.uk>
 - Tailored information Services: <http://ims.ukro.ac.uk>
 - Enquiry service
 - Annual visit from an UKRO European Advisor
 - Meeting room in Brussels
- Open to non-members:
 - Specialist training courses and information events
 - Annual conference for European officers
 - UK National Contact Point for Marie Curie and ERC
 - Monthly British Council European RTD Insight publication

UK Research Office

UKRO
UK RESEARCH OFFICE

The 27 EU Countries



The European Union

UKRO
UK RESEARCH OFFICE

The EU Institutions

- European Parliament
 - Elected members
 - Legislative, budgetary and supervisory power
- European Commission
 - Proposes legislation
 - Implements decisions/manages programmes
- Council of Ministers (Council of the EU)
 - Represents Member States' interests
 - Rotating Presidency
- Court of Auditors
- Court of Justice

The European Union

The European Commission 

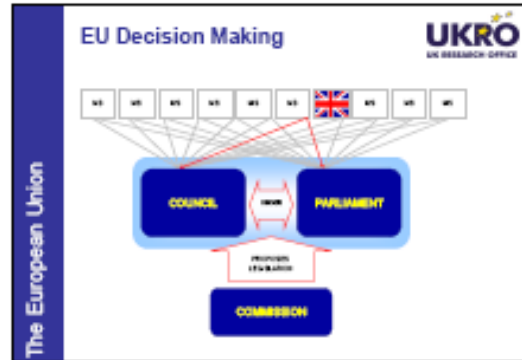
POLICY DGs

- Agriculture and Rural Development
- Competitiveness
- Business and Financial Affairs
- Education and Culture
- Employment, Social Affairs and Equal Opportunities
- Enterprise and Industry
- Environment
- Fisheries and Maritime Affairs
- Health and Consumer Protection
- Information Society and Media
- Internal Market and Services
- Joint Research Centre
- Justice, Freedom and Security
- Regional Policy
- Research
- Taxation and Customs Union
- Transport and Energy

EXTERNAL RELATIONS DGs

- Development
- Enlargement
- European Co-operation Office
- External Relations
- Humanitarian Aid
- Trade

The European Union



European Research 

Where there is greater impact at Community rather than Member State (individual country) level

To strengthen European RTD (research and technological development) and increase competitiveness

By means of a Framework Programme approved by co-decision between Parliament and Council

The European Union

3. Introduction to FP7

Introduction to the European Union's Seventh Framework Programme for Research and Technological Development (FP7)

UKRO
UK RESEARCH OFFICE

African Water, Nairobi,
28 – 30 November 2007

Amanda Crowfoot
Director
UK Research Office
amanda.crowfoot@ukro.ac.uk <http://www.ukro.ac.uk>

What is FP7?

UKRO
UK RESEARCH OFFICE

- The EU funding programme for research and technological development
- 7-year programme (2007 -2013)
- New Calls for Proposal each year
- Total budget of €50 521 million
- Structured into four 'Specific Programmes'
- Designed to complement activities in EU Member States, as well as other Community policies
- **Contains significant international dimension**

FP7 Structure

UKRO
UK RESEARCH OFFICE

Co-operation

Health
Food, Agriculture and Biotechnology
Information and Communication Technologies
Manufactures, Materials, Maritime and Sea Production Technologies
Energy
Environment including Climate Change
Transport
Socio-Economic Sciences and the Humanities
Security and Space

Capacities

Research Infrastructures
Research for the Benefit of Society
Regions of Knowledge
Research Potential
Science in Society
Action of International Cooperation
General Development of Policies

People – Marie Curie

MSA Training of Researchers
Lifelong Learning and Career Development
Industry Academic Partnerships and Alliances
The International Dimension
Specific Actions

Marie – European Research Council (ERC)

Starting Independent Researcher Grants
Advanced Investigator Grants

ICPC Participation

UKRO
UK RESEARCH OFFICE

- Two ways for International Co-operation partners countries to participate in the FP7 themes:
 - In any topic, in addition to the minimum number of participants from Member States (MS) and Associated Countries (AC), if appropriate for the project; and
 - In Specific International Co-operation Actions (SICA) – these require at least four participants: two in MS or AC, two in ICPC
- ICPC countries set out in Annex 1 of each Work Programme
- African countries are classed as ICPC

ICPC Countries

UKRO
UK RESEARCH OFFICE

European Countries

UKRO
UK RESEARCH OFFICE

EU-27

Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Italy, Ireland, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, UK

Associated Countries (FP7)

Croatia, Iceland, Israel, Liechtenstein, Norway, Switzerland, Turkey, Serbia, FYR Macedonia

Plus, in process of associating:

Albania, Bosnia Herzegovina and Montenegro

FP7 Specific Programmes

UKRO
UK RESEARCH OFFICE

Co-operation – Collaborative Research

Ideas – European Research Council

People – Marie Curie Actions

Capacities – Research Capacity

JRC EURATOM

Introduction to FP7

UKRO
UK RESEARCH OFFICE

Collaborative Research

1. Health	€5 190 M
2. Food, Agri, Fisheries and Biotechnology	€1 635 M
3. ICT	€9 650 M
4. NanosciTech, Material & Production Tech	€3 475 M
5. Energy	€2 350 M
6. Environment (including Climate Change)	€1963 M
7. Transport (including Aeronautics)	€4 188 M
8. Socio-Economic Sciences and Humanities	€ 623 M
9. Space	€1 436 M
10. Security	€1 468 M

Introduction to FP7

Health

UKRO
UK RESEARCH OFFICE

Biotechnology, generic tools & medical technologies for human health

Translating research for human health

Optimising the delivery of health care to European citizens

Child health

Health of the ageing population

1. Health
2. FAB
3. ICT
4. NMP
5. Energy
6. Environment
7. Transport
8. Space
9. Space
10. Security

Introduction to FP7

Food, Agriculture and Fisheries, and Biotechnology

UKRO
UK RESEARCH OFFICE

Sustainable production & management of biological resources

Fork to farm: food, health and well being

Life sciences, biotechnology and biochemistry for sustainable non-food products and processes

...Build a Knowledge Based Bio-Economy...

1. Health
2. FAB
3. ICT
4. NMP
5. Energy
6. Environment
7. Transport
8. Space
9. Space
10. Security

Introduction to FP7

ICT

UKRO
UK RESEARCH OFFICE

Pervasive and Trusted network & Service Infrastructures

Cognitive Systems, Interaction, Robotics

Components, Systems, Engineering

Digital Libraries and Content

Towards sustainable and personalised healthcare

ICT for Mobility, Environmental Sustainability & Energy

ICT for Independent Living and Inclusion

Future and Emerging Technologies (FET)

1. Health
2. FAB
3. ICT
4. NMP
5. Energy
6. Environment
7. Transport
8. Space
9. Space
10. Security

Introduction to FP7

NMP

UKRO
UK RESEARCH OFFICE

Nanosciences and Nanotechnologies

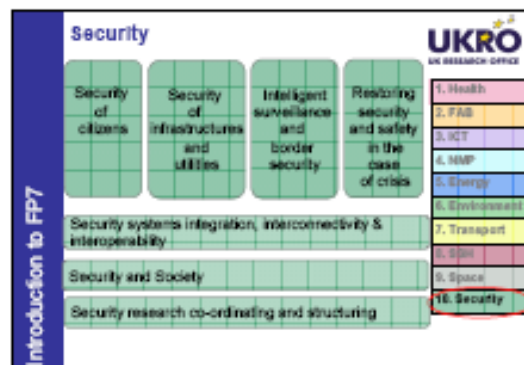
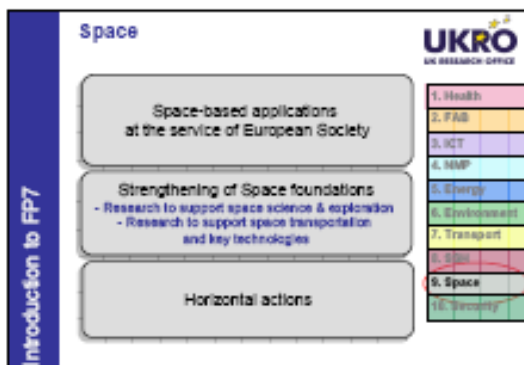
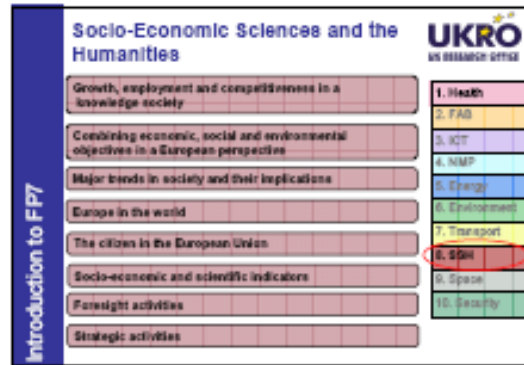
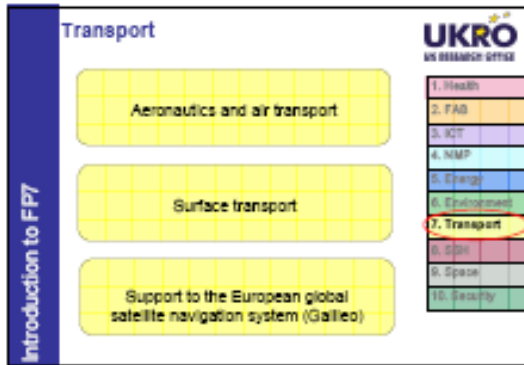
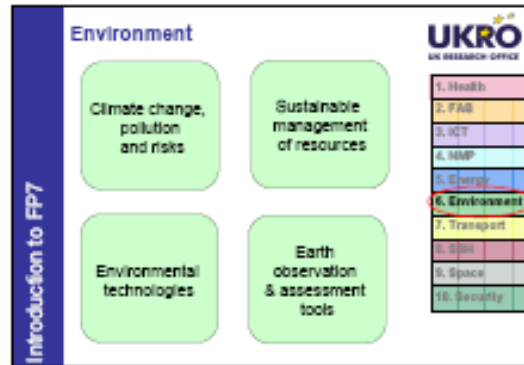
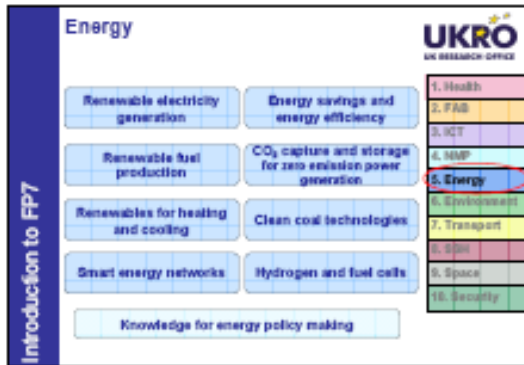
Materials

New Production Technologies

Integration of technologies for industrial production

1. Health
2. FAB
3. ICT
4. NMP
5. Energy
6. Environment
7. Transport
8. Space
9. Space
10. Security

Introduction to FP7



Funding Schemes

UKRO
UK RESEARCH OFFICE

Introduction to FP7

- "Funding schemes" are the types of project
- Main types:
 - Collaborative projects
 - o Small/focused
 - o Large-scale/integrating
 - o For a specific target group (e.g. SME, CSO)
 - o For specific international co-operation actions (SICA)
 - Networks of excellence
 - Co-ordination and Support Actions
 - o Co-ordinating
 - o Supporting
- The Work Programme specifies the funding schemes to be used for each topic

Small/Focused Collaborative Projects

UKRO
UK RESEARCH OFFICE

Introduction to FP7

- Targeting a specific objective in a clearly defined overall approach
- Fixed overall work plan
- Research/technological development activity and/or a dissemination activity
- Project management
 - 18-36 months
 - 6-15 participants
 - €0.8-4.4 million EC grant
- Budget limits may be set in Work Programme

Large Scale/Integrating Collaborative Projects

UKRO
UK RESEARCH OFFICE

Introduction to FP7

- Ambitious objective driven research with a 'programme approach'
- Coherent, flexible and updatable set of activities
- RTD activities, demonstration, tech transfer, training, dissemination, knowledge management and exploitation
- Project management
 - 36-60 months
 - 10-20 participants
 - €4-€7 million EC grant
- Budget limits may be set in Work Programme

Networks of Excellence

UKRO
UK RESEARCH OFFICE

Introduction to FP7

- Supports long-term durable integration of research resources and capacities
- Jointly executed research to support integration
- Joint training programme
- Dissemination and communication
- Coherent framework for management
 - 5 to 7 years
 - 6-12 participants
 - €4-€7 million EC grant
- Budget limits may be set in Work Programme

Co-ordination and Support Actions: Co-ordinating

UKRO
UK RESEARCH OFFICE

Introduction to FP7

- Designed to promote and support ad hoc networking and co-ordination of RTD
- Co-ordination activities
- Project management
- Indication of scope in Work Programme
 - 18-36 months
 - €0.5-€1.8 million EC grant
 - 13-26 participants

Co-ordination and Support Actions: Support

UKRO
UK RESEARCH OFFICE

Introduction to FP7

- Support to programme implementation, preparation of future actions
- Complement other FP7 funding schemes
- Support activities
- Consortium management
- Indication of scope in Work Programme
 - 9-30 months
 - €0.05-€1 million
 - 1-15 participants

FP7 Specific Programmes 

Introduction to FP7

- Co-operation – Collaborative Research
- Ideas – European Research Council**
- People – Marie Curie Actions
- Capacities – Research Capacity

JRC EURATOM

European Research Council 

Introduction to FP7

- New to FP7
- To enhance EU-level competition for 'Frontier Research' (= creating new knowledge and developing new understanding)
- Focus on excellence
- Two types of grant:
 - Starting Independent Research Grant
 - Advanced Investigator Grant
- Bottom-up approach – open to any research area
- Support Principle Investigator and (if necessary) team-members
- Flexible and portable
- Independent scientific governance
- Dedicated implementation structure
- Highly competitive
- Open to individuals from any country, as long as PI carries out project within Europe

FP7 Specific Programmes 

Introduction to FP7


- Co-operation – Collaborative Research
- Ideas – European Research Council
- People – Marie Curie Actions**
- Capacities – Research Capacity

JRC EURATOM

Marie Curie 

Introduction to FP7

- Make Europe more attractive to researchers
- Strengthen human potential by:
 - Encouraging people to become researchers
 - Encouraging researchers to carry out their research in Europe
- Trans-national and inter-sectoral mobility

Overview of Marie Curie Actions 

Introduction to FP7

Host Actions	Individual Actions
<ul style="list-style-type: none"> • Initial Training Networks • Industry Academia Partnerships and Pathways 	<ul style="list-style-type: none"> • Intra- European Fellowships • Incoming International Fellowships • Outgoing International Fellowships • European Reintegration Grants • International Reintegration Grants

FP7 Specific Programmes 

Introduction to FP7

- Co-operation – Collaborative Research
- Ideas – European Research Council
- People – Marie Curie Actions
- Capacities – Research Capacity**

JRC EURATOM

Research Capacity

1. Research infrastructures
2. Research for the benefits of SMEs
3. Regions of Knowledge
4. Research Potential
5. Science in Society
6. International Co-operation
7. Coherent Development of Research Policies

Introduction to FP7

International Co-operation

- Co-ordinate and support involvement of third countries in European Research
- Identify areas for enhanced co-operation
- Activity Areas:
 - Regional priority setting and definition of S&T Co-operation policies
 - Enhancement and development of S&T Co-operation Partnership including structural activities and networks
 - Supporting co-ordination of national policies and activities on international S&T co-operation

Introduction to FP7

FP7 Specific Programmes

- Co-operation – Collaborative Research
- European Research Council
- Marie Curie Actions
- Capacities – Research Capacity

JRC **EURATOM**

Introduction to FP7

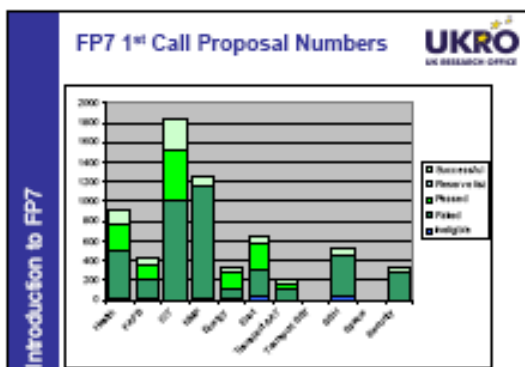
Euratom 2007-2011

From 2007-11 (foreseen extension to 2013)
Continuation of 6th Euratom FP

- but more co-ordination of national programmes and international co-operation

- 1) Fusion Energy Research
 - ITER preparation, L Term R&D, HR Education and Training, Infrastructures, Emerging needs and policy development
- 2) Nuclear fission and radiation protection
 - Radioactive waste and protection, reactor systems, access to infrastructures and HR Education and Training


Introduction to FP7



Next Calls: Co-operation


Topic	Open	Closes
Food, Agriculture, Fisheries and Aquaculture	30 Mar 2007	10 February 2008
Administrative, structural, legal, technical and non-personal activities in Europe, Africa, Asia	30 Mar 2007	1 March 2008
Health - C&A	30 Mar 2007	30 Apr 2008
Health - Interf	30 Mar 2007	30 Apr 2007
Joint IEF - Interconnect	30 Mar 2007	30 Feb 2008
Interconnect	30 Mar 2007	30 Feb 2008
Energy (I + I - IEF)	30 Mar 2007	2 Feb 2008
Energy - Research	30 Mar 2007	2 May 2008
Joint Energy Interf	30 Mar 2007	2 Feb 2008
Transport (I + I)	30 Mar 2007 (I)	7 May 2008 (I); 10 May 2008 (I)
Space	December 2007	
Marie Curie	1 Apr 2008	Nov 2008
Security	July 2008	Nov 2008
Horizon	10 April 2008	15 July 2007

Introduction to FP7

Next Calls: Capacities 

Introduction to FP7


Area	Opens	Deadline
Research Infrastructures	20 Nov 2007	20 Feb 2008
Research for the benefit of SMEs: RTD for SMEs - RTD for SME Associations -	22 Dec 2007 22 Dec 2007	12 Mar 2008 8 June 2007
Regions of Knowledge (1)	End 2007	2008
Regions of Knowledge (2)	End 2007	2008
Research Potential (1)	End 2007	2008
Research Potential (2)	End 2007	2008
Science in Society	20 Nov 2007	6 Mar 2008
International Co-operation	2 Oct 2007	12 Feb 2008

Next Calls: ERC 

Introduction to FP7


Grant	Opens	Deadlines
ERC Advanced Grants	November 2007	Spring 2008
ERC Starting Grants	Summer 2008	Autumn 2008

Annual calls for each grant as above
2010 funding increase
2010 ERC review – possible changes

Next Calls: Marie Curie 


Introduction to FP7

MC Scheme	Opens	Deadline
Research Night	20 Nov 2007	5 May 2008
CO Funding of Regional, national & International Progs	20 Nov 2007	10 May 2008
EMPP Industry Academic Partnerships & Pathways	20 Nov 2007	25 Mar 2008
UKRO International EMPP Challenges	20 Nov 2007	28 Mar 2008
ERC European Postdoctoral Grants	20 Nov 2007	Call-off dates: 3 Apr and 9 Oct 2008
ERC International Postdoctoral Grant	20 Nov 2007	Call-off dates: 3 Apr and 9 Oct 2008
EMPP Africa European Partnership	20 March 2008	10 August 2008
EMPP International Learning Fellowship	20 March 2008	20 August 2008
TOP International Incoming Fellowship	20 March 2008	20 August 2008
Thematic Training Networks	4 April 2007	2 Sep 2008
CO Funding of Regional, national & International Progs	10 Feb 2008	10 Feb 2008

Overview of ICPC Opportunities 

Introduction to FP7

- In Specific International Co-operation Actions (SICA), found throughout 'Co-operation'
- In any 'Co-operation' project, assuming participation in addition to minimum partner numbers, and relevant to the project
- In Marie Curie 'host' actions, and specific International Dimension actions, under 'People'
- In the International Co-operation programme under 'Capacities'
- In Co-ordination of National Programmes, which also welcomes international participation
- In ERC projects under 'Ideas' – either an individual moving to Europe, or an organisation being part of a European team

What Now? 

Introduction to FP7

- Look at the structure of FP7
- Decide if this is appropriate for you (remember that FP7 is not right for everyone!)
- If you think it is, then identify which programme(s) and theme(s) you are interested in
- Read the Work Programme(s)
- Identify specific areas and topics of interest
- Speak to your contacts
- Identify partners
- Discuss it with your organisation
- Read the Guide for Applicants and other background documents
- Seek advice if unsure


Why Participate 

Introduction to FP7

- Prestige and international reputation
- Internationalisation of your research
- Offers a wide range of project types
- Networking opportunities – research and teaching
- Opening up new opportunities
- Mobility of staff and students
- Increasing your research capacity
- Funding!

Introduction to FP7

Further Information



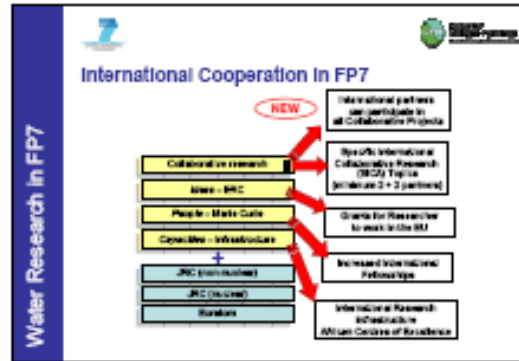
- **CORDIS:**
http://cordis.europa.eu/fp7/home_en.html
Practical information and documentation on FP7, as well as registration to be an evaluator, and the electronic proposal submission system
- **DG Research:**
<http://ec.europa.eu/research/fp7/>
The European Commission's FP7 pages

4. Water-related research opportunities in FP7

Water in EU's 7th Framework Research Programme - 4

African Water, ASADIS, Senegal
November 2007

Nell Runnalls
Coordinator – African Water Project
Business Development – Centre for Ecology & Hydrology, Wallingford, Oxfordshire, UK
<http://www.ceh.ac.uk>



International Cooperation in FP7

The participation of third countries in the Co-operation SP will be possible via two mechanisms:

- Opening of all activities to third countries – both for ICPC* and Industrialised countries in the Themes **NEW**
- Specific International Co-operation Actions (SICA) in each thematic priority dedicated to ICPC. Part of the main call identifying topics for ICPC's **NEW**
 - Topics in consultation with the Capacity (Infrastructure) Programme and the ICPC partner regions – (NEPAD Centres of Excellence) ... African Academies ?? **NEW**
 - Importance to regional approaches (eg Latin America, Asia, Africa, etc ...)

* ICPC : International Co-operation Partner Country

Key Elements of EU Water Policy

EU Water Framework Directive (WFD) – good ecological status
The EU Water Initiative – IWRM, Water Supply & Sanitation - MDG's
Transboundary / regional issues – the "Subsidiarity Principle"
Climate Change – adaptation and reducing vulnerability
Near Neighbours – North Africa - Mediterranean Sea
Humanitarian Crisis - (Floods/Droughts/Famine/Epidemics ...)
UN Biodiversity Convention
SPACE – GEOS – GEO – GMES

FP7 Specific Programmes

WATER related research in **MANY** Programmes
SANTARON related research in **ICPC** Programmes

Cooperation – Collaborative research **NEW**

Areas – Frontier Research - IBC

People – Human Potential - Marie Curie

Capacities – Research Capacity - Infrastructure

JRC (contracted)

JRC (in-house)

Biosites

ies

FP7 Specific Programmes

Cooperation	Areas	People	Capacities
Collaborative research			
All Themes			
1.	Health	6,000	10%
2.	Food, Agriculture and Biotechnology	1,830	6%
3.	Information and Communication Technologies	9,123	33%
4.	Nanosciences, Nanotechnologies, Materials and New Production Technologies	2,506	11%
5.	Energy	2,394	7%
6.	Environment/Industry/Climate Change	1,530	6%
7.	Transport (including Aeronautics)	4,190	12%
8.	Basic-Biomedical Sciences and the Humanities	418	2%
9.	Security	1,224	4%
10.	Space	1,424	5%
		€32,315 m	

Water Research in FP7

Cooperation Areas People Capacities Collaborative research

Water (and Sanitation) Research in the Environment (Including Climate Change) Thematic Priority

- 1. Health
- 2. Food
- 3. ICT
- 4. Nano
- 5. Energy
- 6. Environment
- 7. Transport
- 8. Security and Space

Water Research in FP7

Cooperation Areas People Capacities

8. Environment (inc. climate change)

- Climate change, pollution and risks
- Sustainable Management of Resources
- Environmental Technologies
- Earth observation and assessment tools

See 2nd Call document for details

- 1. Health
- 2. Food
- 3. ICT
- 4. Nano
- 5. Energy
- 6. Environment
- 7. Transport
- 8. Security and Space

Water Research in FP7

Climate change, pollution and risks

Area: "Pressures on environment and climate"

- 1. The Earth system and climate
- 2. Emissions and Pressures
- 3. The Carbon cycle: Integration and interaction
- 4. Future Climate
- 5. Climate Change Impacts
- 6. Response strategies: Mitigation and Adaptation

- 1. Health
- 2. Food
- 3. ICT
- 4. Nano
- 5. Energy
- 6. Environment
- 7. Transport
- 8. Security and Space

Water Research in FP7

Climate change, pollution and risks

Area: "Environment and human health"

- 1. Health effects of exposure to environmental stressors
- 2. Methods and tools to underpin environmental research into biomonitoring
- 3. Delivery of methods and decision support tools for risk analysis and policy analysis

- 1. Health
- 2. Food
- 3. ICT
- 4. Nano
- 5. Energy
- 6. Environment
- 7. Transport
- 8. Security and Space

Water Research in FP7

Climate change, pollution and risks

Area: "Natural Hazards"

- 1. Hazard assessment, processes and triggering factors
- 2. Hazard Detection and Prediction
- 3. Vulnerability assessment and Societal impacts
- 4. Risk management and Mitigation

- 1. Health
- 2. Food
- 3. ICT
- 4. Nano
- 5. Energy
- 6. Environment
- 7. Transport
- 8. Security and Space

Water Research in FP7

Sustainable Management of Resources

Area: "Conservation and sustainable management of natural and man-made resources and biodiversity"

- 1. Water Resources
- 2. Soil research and Desertification, Forests
- 3. Biodiversity
- 4. Urban Development
- 5. Consumption Patterns

- 1. Health
- 2. Food
- 3. ICT
- 4. Nano
- 5. Energy
- 6. Environment
- 7. Transport
- 8. Security and Space

Water Research in FP7

Sustainable Management of Resources

Area : "Evolution of marine environments"

1. Marine Resources
2. Evolution of Marine environments
3. Marine Observing Systems (link with GEO)

1. Health
2. Food
3. ICT
4. Nano
5. Energy
6. Environment
7. Transport
8. ICT
9. Security and Space

Water Research in FP7

Environmental Technologies

Area : "Environmental technologies for the sustainable management of the natural and man-made environments"

1. Water Technologies
2. Soil
3. Wastes
4. Clean Processes and pollution Prevention
5. Built Environment
6. Cultural Heritage

1. Health
2. Food
3. ICT
4. Nano
5. Energy
6. Environment
7. Transport
8. ICT
9. Security and Space

Water Research in FP7

Environmental Technologies

Area : "Technology assessment, verification and testing" including LCA/LCT, alternatives for animal testing, sustainable chemistry, risk assessment

1. Health
2. Food
3. ICT
4. Nano
5. Energy
6. Environment
7. Transport
8. ICT
9. Security and Space

Water Research in FP7

Earth observation and assessment tools

Area : "Earth Observation" – 4 sub-areas including in-situ and space observations for 9 societal benefit areas

1. Integrating existing European Earth Observation activities in GEO (global level)
2. Developing cross-cutting research activities of relevance to GEO
3. Earth Observation activities in emerging areas of research
4. Developing Capacity Building activities in the domain of Earth Observation

1. Health
2. Food
3. ICT
4. Nano
5. Energy
6. Environment
7. Transport
8. ICT
9. Security and Space

Water Research in FP7

Earth observation and assessment tools

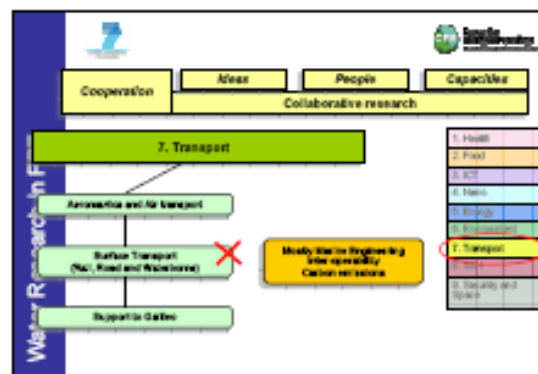
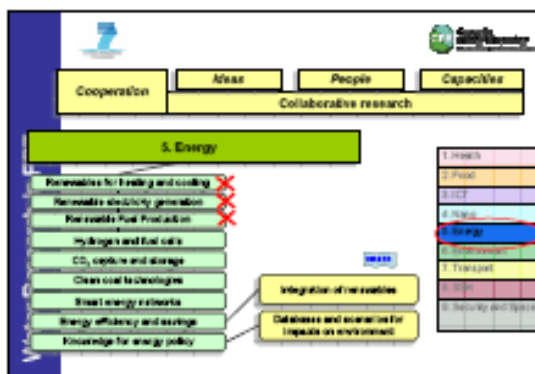
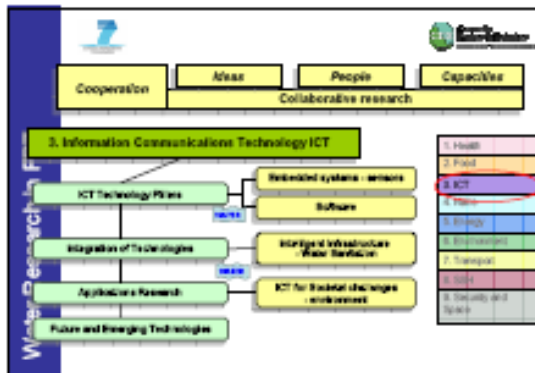
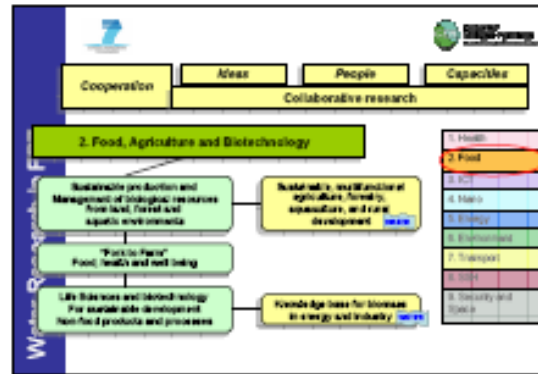
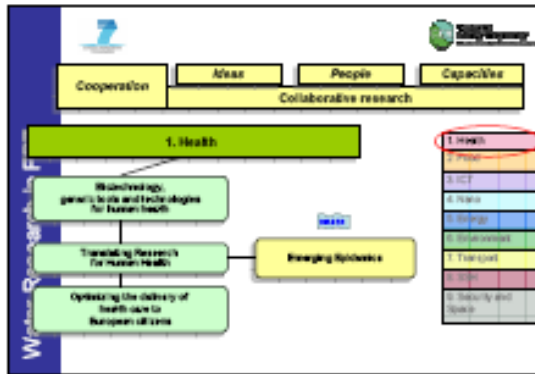
Area : "Assessment tools for sustainable development" – 4 sub-areas including techno-economic modeling, land use

1. Indicators of Sustainable Development
2. Land use and Sustainable Development
3. Foresight and Forecast
4. Eternalities and multifunctionalities



1. Health
2. Food
3. ICT
4. Nano
5. Energy
6. Environment
7. Transport
8. ICT
9. Security and Space

Water Research in FP7

Water (and Sanitation) Research in other thematic priorities of the Cooperation Programme




Water Research in FP7

Cooperation	Areas	People	Capacities
-------------	-------	--------	------------

Technology Platforms / Joint Technology Initiatives

Water Supply & Sanitation Technology Platform
WSSTP



Organized around five (5) Working Groups :

- Water Management,
- Water for People (utilities),
- Water for Industry,
- Water for Agriculture
- Cross-cutting issues (socio-economic, institutional issues, etc)

Vision and Strategic Research Agenda (SRA)
 - downloadable from the website (following FP7 Topics)
 - Implementation Plan being finalized / implemented
 - Synergies with other Technology Platforms being developed

Water Research in FP7




Cooperation	Areas	People	Capacities
-------------	-------	--------	------------

Technology Platforms / Joint Technology Initiatives

Water Supply & Sanitation Technology Platform
WSSTP




The EC and the MS governments has asked the WSSTP to include delivery of the Water MDG's in the Vision, SRA and Implementation Plan

Industry partners (large private sector water utilities) are not interested in research collaboration with Developing Countries (of Agues de Portugal - Mozambique)

Further information:
<http://www.wsstp.org>


Water Research in FP7




Cooperation	Areas	People	Capacities
-------------	-------	--------	------------

Technology Platforms / Joint Technology Initiatives

Water Supply & Sanitation Technology Platform
WSSTP



Technology Platforms (TP's) **do not have research funds** of their own

TP's mobilize, network, lobby, coordinate ... and provide a mechanism to form strong consortiums

TP's may lead to Joint Technology Initiatives (JTI's) which do have substantial industry-government research funds

5. Proposal preparation

FP7 Project Proposals

UKRO
UK RESEARCH OFFICE

*African Water, Nairobi,
28 – 30 November 2007*

Amanda Crowfoot
Director
UK Research Office
amanda.crowfoot@hlers.ac.uk
<http://www.ukro.ac.uk>

Overview of Session

UKRO
UK RESEARCH OFFICE

- Documentation
- Building a consortium
- Preparing and submitting a proposal
- How proposals are evaluated
- The project budget
- Tips for success!
- Sources of further information

What do I Need to do?

UKRO
UK RESEARCH OFFICE

1. Understand the structure of FP7
2. Consult the relevant Work Programme
3. Identify the topic that you are interested in
4. Think about the funding scheme for this topic – is it right for you?
5. Check the deadline
6. Establish who will be in the consortium
7. Establish who will do what in preparing the proposal
8. Familiarise yourself with the evaluation criteria before writing the proposal (or any part of it)
9. Decide who will carry out which activities in the project
10. Plan your submission carefully – and respect the deadline!



What does the Commission Want?

UKRO
UK RESEARCH OFFICE

A project that matches their objectives

The Work Programme tells you clearly what they will be looking for....


Where is the Information?

UKRO
UK RESEARCH OFFICE

Call Fiche	Focus
Work Programme	
Guide for Applicants	Preparation and submission
EPSS Guide	
Rules on Submission and Evaluation, Guide for Evaluators	Background
Model grant agreement	
Financial negotiation, reporting and IPR guidelines	
FP7, Specific Programme Text	
Other policy documents	

FP7 Proposals


What's in a Call Fiche?



- **Key overall information:**
 - Deadline
 - Indicative budget
 - Topics called
 - Evaluation procedure
 - Including whether one or two stage submission
 - Funding thresholds where relevant
 - Funding schemes
 - Indicative evaluation and contractual timetable
 - Consortium agreement obligations
 - Minimum number of participants

FP7 Proposals


What's in a Work Programme?



- **Key programme specific information:**
 - Policy context
 - Key aims
 - Horizontal activities
 - Content of calls
 - Topic areas
 - Funding schemes
 - EC contribution limits
 - SICA
 - SMS-specific information
 - Collaborations with specific groups
 - Typically, a roadmap for future calls

FP7 Proposals


Work Programme Example



- ENV.2007.2.1.2.2. River basin twinning initiatives as a tool to implement EU water initiatives Integrated water resources management research activities carried out on twinned catchments/river basins from Europe and catchments from international cooperation partners to underpin the implementation of Integrated Water Resources Management (IWRM) in these countries in compliance with EU Water Initiative objectives and Millennium Development Goals targets. Specific international co-operation actions
- Funding scheme: collaborative projects (small or medium-scale) for research activities
- Expected Impact: Support to EU Water Initiative in the context of international cooperation. Such collaborations will have to pay particular attention to constructive engagement with the entire spectrum of societal actors. A strong emphasis has to be placed on communicating the research process and its results to all societal actors to make the research policy relevant and enhance its impact. Target areas for the 2007 call: Africa and South America.

FP7 Proposals


Structure of 'Co-operation' / 'Capacities' Work Programme



- General Introduction
- Thematic Areas 1 – 10 (Co-operation only)
- Chapters (Capacities only)
- Annex 1 – International Co-operation Partner Countries
- Annex 2 – Eligibility and Evaluation Criteria
- Annex 3 – Forms of Grant and Reimbursement
- Annex 4 – General Activities (Incl. ERA-NET, EUREKA, COST and Risk Sharing Finance Facility) (Co-operation only)

FP7 Proposals


Structure of 'Ideas' Work Programme



- General Introduction
- Starting Independent Research Grants
 - Objectives
 - Eligibility criteria
 - Evaluation criteria
- Funding scheme
- Indicative timetable of future calls

FP7 Proposals

Structure of 'People' Work Programme



- General Introduction
- Policy context
- Marie Curie Actions
 - Objectives
 - Eligibility criteria
- Annex 1 – International Co-operation Partner Countries
- Annex 2 – Eligibility and Evaluation Criteria
- Annex 3 – Community Contribution and applicable rates
- Indicative timetable of future calls

FP7 Proposals

What's in the Guide for Applicants?

UKRO
UK RESEARCH OFFICE

- Detailed guidance on the Funding Scheme
- How to Apply – details of submission
- Checklist for submission
- What happens next?
- Glossary of terms
- Summary call information – including when hearings, ESR and decisions may be made
- Further information and help
- Evaluation criteria
- Outline of proposal forms and instructions

NOTE – different Guide for each funding scheme and each call. Make sure you have the right one!

Consortium Building

UKRO
UK RESEARCH OFFICE

<http://www.ukro.ac.uk>

FP7 Proposals

If You're Invited to Join One

UKRO
UK RESEARCH OFFICE

- Can be the easiest way to get involved
- BUT be sure that it is right for you:
 - What do you know about the consortium and its members?
 - Do you know who is Co-ordinating it?
 - Is the project appropriate for you?
 - Are you happy with your proposed role?
 - Are you happy with your proposed funding?
 - Have you checked this with your organisation – it is the organisation that will be the 'partner', not you
- The consortium can change up until the contract is signed (if successful)

FP7 Proposals

If You Wish to Join One

UKRO
UK RESEARCH OFFICE

- Be focused and know what you want to participate in
- Find out who the key European researchers are
- Take up all opportunities for contact with European (and other international) researchers
- If you don't have your own contacts, others in your organisation might
- Think about ways to promote yourself and your organisation
- Consider what your 'unique selling point' is
- Partner search databases are available – but use them carefully
- Finding the right project/partners can be hard – don't be put off!

FP7 Proposals

Ways to Find Partners

UKRO
UK RESEARCH OFFICE

- Existing contacts – both direct and indirect
- Conferences and events
- Publications
- CORDIS partner search
- Through European Technology Platforms?
- Other partner search databases?
- FP6/FP7 projects database
- Or, they might find you!

FP7 Proposals

Raising your Profile

UKRO
UK RESEARCH OFFICE

- Talk to colleagues within your organisation – internal dissemination is crucial
- Developing a strategy for your European activities will help
- Internal research seminars or meetings
- External research conferences or events
- Newsletters (consider aim, audience and format)
- Website
- Other promotional materials?
- Foster key contacts

FP7 Proposals

Forming a Consortium Yourself

UKRO
UK RESEARCH OFFICE

- Rarely recommended for those new to the Framework Programme
- Small role in a project led by someone with prior experience is the best first step
- Project will be co-ordinated by European partner (with certain rare exceptions)
- If you have a project idea appropriate for FP7, first step is to find good Co-ordinator
- Clarify your role, and IPR issues, early

FP7 Proposals

Who should be in the Consortium?

UKRO
UK RESEARCH OFFICE

- It depends on the topic!
- Partners must match activities in proposal
- Impact should be a focus here as well
- Diverse consortium
- Need for EU added value
- All partners should be active, with a clear role
- No 'sleeping' or 'token' partners
- Certain target partner types:
 - SMEs, CSOs, Third Country, ICPC
- European Commission may offer advice

FP7 Proposals

Partner Searches

UKRO
UK RESEARCH OFFICE

- CORDIS: http://cordis.europa.eu/fp7/partners_en.html
- European Technology Platforms: http://cordis.europa.eu/technology-platform/home_en.html
- ESASTAP: <http://www.esastap.org.za/esastap/lead/index.cfm>
- FP6 projects database: <http://cordis.europa.eu/fp6/projects.htm>

Preparation, Submission and Evaluation

UKRO
UK RESEARCH OFFICE

<http://www.ukro.ac.uk>

FP7 Proposals

The Application Forms

UKRO
UK RESEARCH OFFICE

- Part A – forms
 - Participant Identity Code (PIC) **NOT YET IN USE**
 - Basic information – call details, title, summary, partners, budget
- Part B – text with some forms
 - Cover Page, Table of Contents
 - 1) S&T Quality (plus templates for work packages, deliverables and milestones)
 - 2) Implementation
 - 3) Impact
 - 4) Ethical issues
 - 5) Consideration of gender issues

FP7 Proposals

Electronic Submission

UKRO
UK RESEARCH OFFICE

- Co-ordinator must register on Cordis and be sent password and access details
- Passes on access to other participants
- Complete A forms
- Upload .pdf file of Part B
- Automated check
- Can revise up to deadline
- Deadline strictly enforced – always closes at 17:00 Brussels time (CET) on the deadline date
- EPSS helpdesk for technical problems
- **Submission on paper only in exceptional circumstances – requires permission in advance**

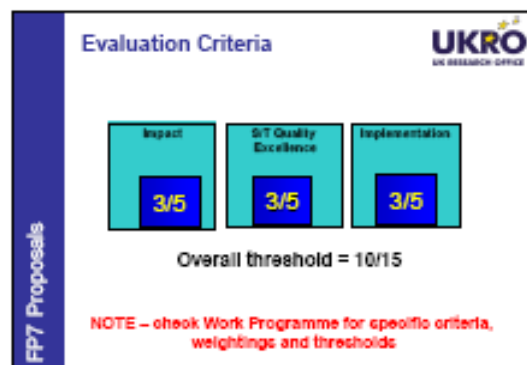


- Before you start to write...**
- UKRO
UK RESEARCH OFFICE
- What is the main objective of your proposal?
 - How is your proposal unique?
 - Whose problem does this solve?
 - Why can't other actors be expected to carry out this work?
 - Which consortium member will provide which skills?
 - How will you know if you have succeeded?
 - How will you measure your progress?
 - What infrastructure and data sets will be needed?
- FP7 Proposals

- Proposal Writing**
- UKRO
UK RESEARCH OFFICE
- Both researchers and administrators should be involved
 - All partners should be involved – **what is your role?**
 - ALL relevant aspects should be addressed (science, impact, socio-economic factors, management, integration, training, technology transfer, dissemination....)
 - Leave nothing to the imagination
 - Ensure all sections are complete
 - Use simple, clear language
 - Pay attention to layout
 - Respect page lengths set out in Guide for Applicants
 - Make sure you read the proposal and offer your input!
- FP7 Proposals


- Part B – Top Tips**
- UKRO
UK RESEARCH OFFICE
- Fully address the evaluation criteria
 - Include well worked out plans
 - Outline any 'Plan B' (risk analysis)
 - Use tables and diagrams
 - Demonstrate appropriate, flexible partnership
 - Get the right balance (budget, activities, etc)
 - Be a 'want-to-read' not a 'have-to-read' proposal!
-
- FP7 Proposals

- How are Proposals Evaluated?**
- UKRO
UK RESEARCH OFFICE
- Evaluated by independent peer review
 - Basic evaluation criteria:
 - Scientific and/or technological excellence
 - Potential impact through the development, dissemination and use of project
 - Implementation and management
 - Scientific excellence as sole criterion for ERC projects
 - Detailed criteria in Work Programmes – including weightings and thresholds
 - FP7 evaluator database – **call open for evaluators:** <https://cordis.europa.eu/ermmfp7/>
 - New 'redress' procedure – for problems/irregularities in evaluation
- FP7 Proposals



FP7 Proposals


Relevance



- Relevance is considered in relation to the topic(s) in the Work Programme open in a given call, and to the objectives of the call
- Integrated into 'S&T quality' and 'Impact'
- You must address this in your proposal!
- If it is only partially relevant – it will be reflected in the scoring
- If it is not relevant – it will be 'out of scope' and rejected on eligibility grounds before the evaluation

FP7 Proposals

'S&T Quality'



Scientific and/or technological excellence (relevant to the topics addressed by the call)


- Soundness of concept itself
- Quality of objectives
- Acknowledgement of, and development beyond, the 'state-of-the-art'
- Methodology and Work Plan
- Quality of co-ordination

FP7 Proposals

S&T Quality

Implementation


Impact



- Have you explained the **concept** of the project?
- Have you clearly identified your **objectives**?
- Are your objectives **achievable** within your project?
- Have you addressed the **state-of-the-art**?
- Do you have **improvement** or **innovation**?
- Have you clearly described your aims and **methodology**?
- Have you described your **overall strategy** of the work plan?
- Have you used **charts**?
- Are the **work packages** explained?

FP7 Proposals

Evaluator comments: S&T Quality



"the WPs and deliverables should also be better described"

"While the concept is good and novel, it addresses the topics of the call only partially"

"There are missing or removed parts in this proposal. Thus, they cannot be evaluated"

"does not demonstrate major progress beyond the state-of-the-art"


"The work described is not particularly novel"

"Proposal is too broad"

"Given the extent of previous work and patenting in this area, doubts were raised as to whether a novel product could be developed"

FP7 Proposals

Implementation



'Quality and efficiency of the implementation and the management'


- Management Structure
- Management Procedures
- Quality, Complementarity and Balance of the Consortium
- Matching of Consortium to objectives
- Appropriateness of allocation of:
 - Budget
 - Staff resources
 - Equipment

FP7 Proposals

S&T Quality

Implementation

Impact



Can you:

- Demonstrate plans to **promote gender equality**?
- Illustrate a **critical mass** of resources?
- Partners have the appropriate **equipment**?
- Illustrate integrated **financial** planning?
- Illustrate integrated **project** planning?

FP7 Proposals

S/T Quality

Implementation

Impact

Management Structure and procedures :

- Have you described the **management structure**?
- Do you have an **information management strategy**?
- Do you have a **knowledge management strategy**?
- Is it matched to the **complexity and scale** of the project?

Individual Participants and the Consortium as a whole

- Have you identified the **role of the co-ordinator**?
- Have you described **individual participants**?
- Have you explained the **consortium structure**?
- Do you have the appropriate **personnel** Is it well balanced?
- Can you demonstrate relevant **management experience**?

FP7 Proposals

Evaluator comments: Implementation

"Role of the Co-ordinator is unclear"
 "the standard and experience of partners is variable"
 "the management structure is not sufficiently worked out to guarantee the success of this project"
 "unclear how partners will exchange information"
 "the role of partner X is unclear"
 "the costs are not linked to activities and not well balanced"
 "no formal planning of assessment of milestones"
 "the coordinating partner is well experienced in performing European projects"
 "the overall budget seems balanced, justified and well calculated. However, sustainability after the project is vaguely formulated and should be addressed during the course of the project"

FP7 Proposals

S/T Quality

Implementation

Impact

"The potential impact through the development, dissemination and use of project results"

- **Expected Impact in Work Programme**
- **Measures for:**
 - Dissemination
 - Exploitation of project results
 - IP management
 - Spreading excellence
 - Disseminating knowledge through stakeholder and public engagement

FP7 Proposals

Use the Work Programme...

Support to EU Water initiative in the context of international co-operation. Such collaborations will have to pay particular attention to constructive engagement with the entire spectrum of societal actors. Accrued emphasis has to be placed on communicating the research process and its results to all societal actors to make the research policy relevant and enhance its impact. Target areas for the 2007 call: Africa and South America.

FP7 Proposals

S/T Quality

Implementation


Impact

- Have you described how your project will **contribute to the expected impacts** in the Work Programme?
- Does the project have suitably **ambitious goals**?
- Can you illustrate a contribution to **economic competitiveness**?
- Can you illustrate **impact on quality of life**?
- Can you illustrate the effect of **shaping research** in the field?
- Have you elaborated on your **dissemination strategy**?
- What about **exploitation of results, IP and knowledge management**?

FP7 Proposals


Evaluator comments: Impact

"Exploitation and dissemination plans are not specific to the project"
 "appropriate measures for spreading excellence and disseminating knowledge with the involvement of the different stakeholders"
 "the European added value of the consortium is limited"
 "there is no indication of publication plans"
 "Does not explicitly describe the importance of solving the problem in a European context"
 "the list of potential impacts is short and poorly described. There are no plans for dissemination of the results outside the participants geographical area. It will contribute only partly to a pan-European discussion on these issues"
 "has the potential to have an immediate, large scale impact. In turn, the policy change it advocates has the potential to make a huge difference for millions of people world-wide"

Ethical Review 

FP7 Proposals


- All proposals must:
 - Describe potential ethical aspects
 - Justify the design of the research project
 - Explain how ethical requirements of WFP are fulfilled
 - Indicate how proposal meets national legal and ethical requirements of country where research is performed
 - Indicate timing for approval by relevant authority at national level
- Commission may submit proposal to Ethical Review Panel and:
 - Their input could affect funding decision
 - An ethical review may be requested mid-project

Gender Aspects 

FP7 Proposals

- Consideration of gender aspects
 - "You may give an indication of the sort of actions ... to promote gender equality in your project, or in your field of research"
 - actions related to the project consortium (e.g. improving the gender balance in the project consortium, measures to help reconcile work and private life, awareness raising within the consortium)
 - or, where appropriate, actions aimed at a wider public (e.g. events organised in schools or universities)
 - Not all projects
 - Not evaluated but 'discussed during negotiation' if project is successful

FP7 Proposals




To come out on top, I'll address broad themes and overlapping research areas

Scientific quality is the only important consideration for the proposal

I'll add a particular country to please the Commission and get funded


FP7 Proposals



Successful proposals are focused, addressing the policy issues of that specific area of thematic


High Quality, active and appropriate consortium partners are essential for a successful proposal

Marks are lost if you don't pay full attention to all aspects of the evaluation criteria ...and every point counts!

In Short, the Best Proposals... 

FP7 Proposals

- Have an EU (and international) added value
- Clearly address the topic and meet objectives
- Push back the frontiers of science and technology
- Consist of the right consortium for the project
- Highlight the impact of the project
- Are well budgeted
- Are concise and easy to read

Essentials before Submitting 


FP7 Proposals

- Know what you want to get out of it
- Ensure relevance to the Work Programmes
- Research previous and current projects in the area
- Know your consortium partners
- Register in the electronic submission system
- Discuss the proposal with your institution
- Make sure all forms are completed correctly
- Get someone to read through the proposal

6. Contracts and finance


Financial and Contractual Aspects

<http://www.ukro.ac.uk>



FP7 Rules of Participation

- Contractual and financial issues governed by 'Rules of Participation'
- Agreed by European Parliament and Council
- Sets out legal, financial and management rules
- Further details in Model Grant Agreement
- Further information on finances in the Guide to Financial Issues




Who Can be Funded?

- Legal entities from Member States (MS) or Associated Countries (AC) created under Community law
- The Joint Research Centre (JRC)
- International European interest organisations
- Legal entities established in International Co-operation Partner Countries (ICPC)
- International organisations and non-ICPC third countries, only if:
 - Provided for in Specific Programme or Work Programme, OR
 - Essential for carrying out the action, OR
 - Provided for in a bilateral agreement with the EC



FP7 Costings


- FP based on principle of co-financing
- No financial profit
- Rates of reimbursement vary according to activities and between funding schemes
- Rates of reimbursement may also vary according to organisation type
- Usual method is reimbursement of eligible costs
- May also use flat-rate and lump sum financing – including lump sum option for ICPC participants



Maximum Reimbursement Rates


	Public Bodies, Universities, SMEs, etc.	Other Organisations
Research	76%	50%
Demonstration	50%	50%
Other*	100%	100%

* Co-ordination and Support Actions, Training, Management, European Research Council (ERC) projects




Reimbursement of Eligible Costs

- Costs are eligible if they are:
 - Actual
 - Incurred during the project
 - Determined according to usual accounting and management principles
 - Used solely for project objectives
 - Consistent with principles of economy, efficiency and effectiveness
 - Recorded in accounts
 - Exclusive of non-eligible costs
- Average personnel costs may be used under certain conditions
- For indirect costs a flat rate option is available



FP7 Proposals


Indirect Cost Flat Rates



	Universities, public bodies, non-profit SMEs who cannot identify real indirect costs	Other organisations (industry etc) who opt for flat rate
Research activities	80%	20%
	NOTE this will change for projects starting after 2009	
Co-ordination and Support Actions	7%	
European Research Council	20%	

FP7 Proposals

Reimbursement – example




Organisation using reimbursement of eligible costs
Total eligible direct cost (personnel, travel, equipment etc.) for research project is €40,000

Organisation is a university without a full analytical accounting system, so is using the **80% flat rate**
 Therefore, **indirect cost** is 60% of €40,000 = €24,000
Total eligible project cost = €64,000 (direct plus indirect costs)
Research activity reimbursed at 75%
 75% of €64,000 is €48,000
 So, this is the total EC funding for the organisation for the project

FP7 Proposals


ICPC Lump Sum Option



- ICPC partners can elect to use lump sum payments for a whole project (instead of reimbursement of eligible costs)
- Applies for the duration of the Grant Agreement (contract)
- Method can vary between projects – so should consider options for each individual one
- Lump sums include all project costs (personnel, travel, equipment etc.)
- Calculated on basis of full-time researchers per year
- Requirement to keep evidence of time spent on project
- Rates vary according to country income
- Maximum reimbursement rates still apply

FP7 Proposals

ICPC Lump Sums – rates




Economy of the ICPC country	EC contribution per researcher per year
Low income	€9,000
Lower middle income	€9,800
Upper middle income	€20,700

List of ICPC economies can be found in:
[Guide to Financial Issues](#)

FP7 Proposals


ICPC Lump Sums – example



Organisation in low income country
 Three year project, in which the organisation has a research role
 Involves one researcher full-time for three years
 Also involves one additional researcher part-time (80%) for two of the years
Total number of researcher years = 4.2 (1 x 3 years, plus 0.6 x 2 years)
 Multiplied by €9,000 per researcher year = €35,600
 Partner's role is research, so maximum **75% reimbursement**
 75% of €35,600 is €25,300
 So, this is the total EC funding for the organisation for the project

FP7 Proposals

Reporting and Auditing



- Periodic reporting on both activities and costs
- Financial (audit) certificates only required for Community contributions over €375,000
- Maximum one certificate for projects of two years or less
- Not required if whole project lump sum or flat rate

FP7 Proposals

IPR Provisions

UKRO
UK RESEARCH OFFICE

- Must pay careful attention to this
- Each participant owns 'foreground' it generates
- Foreground must be used – and protected if capable of commercial/industrial application
- Can be transferred to another participant
- Flexibility in rules on access rights
- Discuss IPR with your partners in advance
- **Seek legal advice, if necessary**

FP7 Proposals

Model Grant Agreement

UKRO
UK RESEARCH OFFICE

- Core agreement and annexes
- Sets out rights and obligations of participants
- Includes:
 - Details of financial rules
 - Changes to the consortium
 - Reporting requirements – including audit regime
 - Termination of projects
- Grant Agreement comes into effect when signed by Co-ordinator and Commission
- Other partners then sign form to accede to the Grant Agreement

FP7 Proposals

Consortium Agreement

UKRO
UK RESEARCH OFFICE

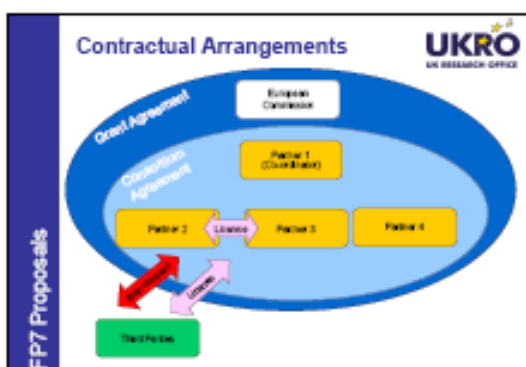
- Mandatory unless specified in call for proposals
- Internal organisation of the consortium, including:
 - Financial arrangements
 - Settlement of disputes
 - Additional IP arrangements
 - Liability and confidentiality
- Commission will establish guidelines
- NOT signed by the Commission

FP7 Proposals

Partner Roles

UKRO
UK RESEARCH OFFICE

- Co-ordinator
 - Main point of contact with Commission
 - Responsible for overall project monitoring and reporting
 - No additional rights
- Partners – **most likely role for ICPC participants**
 - Small or large role
 - Must provide financial contribution
 - Must report on own finances and activities
- Sub-contractor
 - Not a project partner
 - Only for limited part of project
 - Fully funded for activity



FP7 Proposals


Hints and Tips

UKRO
UK RESEARCH OFFICE

- Clarify your role in the project as soon as possible
- Cost your activities – your budget should be linked to your role
- Discuss the project budget early:
 - Share of cost/budget amongst consortium
 - Procedure for changing this share if necessary
 - NOTE: bear in mind limits imposed by Commission
- Be clear what costing method you are using
- Researchers and administrations should both be involved
- Consult the Guidelines on Finances, Negotiation and Reporting
- Participate in developing the consortium agreement

FP7 Proposals

Further Information



- CORDIS (participation issues):
http://cordis.europa.eu/fp7/how_en.html
- Rules of Participation:
http://ec.europa.eu/research/fp7/documents_en.html#Rules
- Draft Model Grant Agreements:
http://cordis.europa.eu/fp7/calls-grant-agreement_en.html

7. Support for African researchers

FP7 Proposals – Sources of Information

UKRO
UK RESEARCH OFFICE

<http://www.ukro.ac.uk>

CORDIS and DG Research

UKRO
UK RESEARCH OFFICE

- The EC's Framework Programme Websites
- Guides on FP7 basics
- Services specific to activity areas
- Announces calls, key documents
- Links to policy documents
- Research and Policy News service
- Databases – news, partners, projects, results, FAQs, acronyms...
- Search engine – partner search, mobility portal...
- Web links

<http://ec.europa.eu/research/index.cfm>
<http://cordis.europa.eu/en/home.html>

EU Policy Documents

UKRO
UK RESEARCH OFFICE

Where to find relevant information and key documents:
http://ec.europa.eu/docserver/comm/index_en.htm
Information on green and white papers, reports & press releases

http://ec.europa.eu/index_en.htm
Home of the EU

http://ec.europa.eu/cecd/cecd/cecd_en.htm
Summaries of EU policies and legislation (not always up-to-date)

<http://eur-lex.europa.eu/en/index.htm>
EUR-Lex (EU legislation)

<http://ec.europa.eu/rapid/rapid.cfm?GL=en>
Monitoring EU legislation

<http://ec.europa.eu/eurostat/>
Official statistics agency of the EU - wide range of useful data for your proposal

Social Impact of Research

UKRO
UK RESEARCH OFFICE

OECD – social policy
www.oecd.org/dataoecd/16/39/35222222.pdf

Society, the Endless Frontier – summary at:
http://ec.europa.eu/research/infocentre/society_en.html

EC Foresight website:
http://ec.europa.eu/research/infocentre/foresight_en.html

EC Science and Society website:
http://ec.europa.eu/research/infocentre/sciencetosociety/index_en.html

Economic Impact of Research

UKRO
UK RESEARCH OFFICE

OECD (Employment, aging society, etc)
www.oecd.org

JRC - IPTS
<http://www.jrc.es/home/home/home.htm>

R&D Scoreboard 2006
http://ec.europa.eu/information/scoreboard_2006.htm

Innovation Scoreboard 2006
<http://trendchart.cordis.europa.eu/scoreboard/scoreboardRIS06/index.cfm>

UK R&D Scoreboard – 2006 report
http://www.innovation.gov.uk/rd_scoreboard/

IPR Helpdesk

UKRO
UK RESEARCH OFFICE

- Free service
- Intellectual Property related assistance
- Raising the awareness of importance of IPR protection and exploitation
- Assist with registering, protecting and exploiting IPR – how and when
- Guides/Briefing Papers on contractual issues, consortium agreements and related specific issues
- Presentations
- IPR Bulletin

<http://www.jrc-helpdesk.org/index.html>

Europa


- Directorate General websites
- Commissioners' websites
- Calls, legal texts, statistics, press releases...
- Contact points
- Other EU institutions, bodies, agencies, advisory groups etc...
- Pre-Lex, EUR-Lex
- TED – Tenders

http://www.europa.eu/index_en.htm

UKRO
UK RESEARCH OFFICE

FP7 Proposals

OPOCE



UKRO
UK RESEARCH OFFICE

FP7 Proposals

And the Secret Weapon!



UKRO
UK RESEARCH OFFICE

FP7 Support

8. Marie Curie Programme

FP7 Marie Curie Actions

UKRO
UK RESEARCH OFFICE

*African Water, Nairobi,
28 – 30 November 2007*

Amanda Crowfoot
Director
UK Research Office
amanda.crowfoot@bbsr.ac.uk
<http://www.ukro.ac.uk>

FP7 Specific Programmes

UKRO
UK RESEARCH OFFICE

FP7 Marie Curie Actions

- Co-operation – Collaborative Research
- Ideas – European Research Council
- People – Marie Curie Actions**
- Capabilities – Research Capacity

JRC EURATOM

Objective and Policy Context

UKRO
UK RESEARCH OFFICE

FP7 Marie Curie Actions

- To make Europe more attractive to researchers
- Part of integrated strategy to strengthen human potential by:
 - Encouraging people to become researchers
 - Encouraging researchers, from Europe and the whole world, to carry out their research in Europe
- Structuring effect on the European Research Area through transnational and intersectoral mobility in order to create a European labour market for researchers
- Strong international dimension
- €4.7 billion total EC funding



Principles

UKRO
UK RESEARCH OFFICE

FP7 Marie Curie Actions

- Skills and competence development at all stages of researchers career
- Open to all research areas addressed under the Treaty plus possibility of targeted calls
- Strong participation from enterprises
- Reinforce international dimension
- Appropriate gender and work/life balance
- Good working environment, transparent recruitment and career development



FP7 Marie Curie Activities

UKRO
UK RESEARCH OFFICE

FP7 Marie Curie Actions

Initial training of researchers
Initial Training Networks
Life – long training and career development
Individual fellowships and Re-integration Grants
Co-funding or regional/national/international programmes
Industry-academia pathways and partnerships
Industry-academia knowledge sharing scheme
International dimension
Outgoing/Incoming international fellowships and Re-integration Grants
International research staff exchange scheme (IRSES)
Specific Actions


Researcher Eligibility

UKRO
UK RESEARCH OFFICE

FP7 Marie Curie Actions

In order to assess eligibility, it is essential that you consider the following:

- The minimum or maximum amount of research experience stipulated for the action
- The transnational mobility requirements for the action



FP7 Marie Curie Actions

Researcher Experience

UKRO
UK RESEARCH OFFICE

Early Stage Researcher

- Less than 4 years full-time research experience after first degree

Experienced Researcher

- A PhD or more than 4 years full-time research experience

Very Experienced Researcher

- More than 10 years full-time research experience

FP7 Marie Curie Actions

Transnational Mobility Requirements

UKRO
UK RESEARCH OFFICE

- Must not have been resident in host country for more than 12 months in the last 3 years immediately before reference date (time of appointment for ITNs and IAPP; application deadline for all other actions)
- Cannot be a national of host country unless:
 - European researcher working outside EU for 3 of the last 4 years
 - Dual nationality and have not resided in a country of nationality for the last 5 years
 - International organisation
 - Return and reintegration grants



FP7 Marie Curie Actions

Host Actions

UKRO
UK RESEARCH OFFICE

- ITNs, IAPPs and IRSES are 'Host Actions'
- This means:
 - Host institutions/network applies for a number of fellows/researchers
 - Host's proposal is evaluated
 - Selected host/network advertises fellowship position and selects fellows/researchers
 - Contract duration with host, usually 4 years
 - Fellows' stay depending on Action (up to 3 years)

FP7 Marie Curie Actions

Initial Training Networks

UKRO
UK RESEARCH OFFICE

- Networks to strengthen Early Stage Training at EU level
- Attract people to scientific careers
- Improve career perspectives by development of broad skills (including needs of industry)
- Directed at researchers with up to 5 years FTE
- Open to third-country nationals:
 - RespectedtoNetworks.eu
 - As Network partners (in addition to European minimum)
- Defined scientific fields plus interdisciplinary, new and emerging supra-disciplinary fields

FP7 Marie Curie Actions

Structure of an ITN

UKRO
UK RESEARCH OFFICE


- At least 3 Member or Associated States
- Possibility of single or twin sites if international context is strong
- Joint Training Programme including complementary skills modules
- Fellowships for 3 months to 3 years for ESRs
- Fellowships for 3 to 24 months for ERs
- Industrial participation
- Coherent quality standards and mutual recognition of training/ diplomas
- Optional:
 - recruiting a 'visiting scientist' for multiple stays of minimum duration 1 month
 - Hold short training events open to researchers outside the network

FP7 Marie Curie Actions


Industry-Academia Pathways and Partnerships

UKRO
UK RESEARCH OFFICE

- To increase industry-academia co-operation by:
 - Supporting the creation, development, reinforcement and execution of strategic partnerships
 - Creating diverse career possibilities and experience for researchers
 - Knowledge sharing/cultural exchange, especially SMEs
 - Aiming for longer term co-operation between both sectors
 - Industry = general commercial enterprises, including traditional manufacturing and production industries

Industry–Academia Pathways and Partnerships 

FP7 Marie Curie Actions



The diagram illustrates the flow of researchers between two Member/Associated States. Host 1 (Industry/Academia) and Host 2 (Academia/Industry) are connected by a double-headed arrow, indicating two-way staff secondments. Below this, a box labeled 'NEW RECRUITS' with three stars indicates the recruitment of new researchers.

IRSES 

FP7 Marie Curie Actions


- International Research Staff Exchange Scheme
- New for 2008
- Aims at strengthening research partnerships through staff exchanges and networking activities
- Two-way staff secondments between institutions in EU/AC and eligible third countries
 - Countries in European Neighbourhood Policy
 - Countries with an S&T Agreement with the EU
- Secondments for researchers, research managers and technical staff
- Match funding required from the 'third countries' (although may be some EU contribution for ICPC countries)

Eligible IRSES Countries – not showing European Countries 

FP7 Marie Curie Actions




A world map where countries eligible for IRSES are highlighted in red. These include countries in the Americas, Africa, Asia, and Oceania, excluding all European countries.

Lifelong Training and Career Development 

FP7 Marie Curie Actions

- Career development of experienced researchers
 - Support diversification of competences including inter-sectoral experiences and interdisciplinary experiences
 - Attaining or strengthening professional independence
 - Career break
 - Re-integration
- Implementation:
 - Classic EC open calls
 - New 'Co-financing' mode



Intra-European Fellowships 

FP7 Marie Curie Actions

- Structure:
 - EU Member or Associated State National or Third Country national if in EU for at least 4 of the last 5 years
 - 12 - 24 months
 - Resuming a career in research
 - Individual applies with host
- REMEMBER it's about
 - Skills diversification
 - Attaining or strengthening professional independence

Outgoing International Fellowships 

FP7 Marie Curie Actions

- Mobility of European researchers to other countries – this can be any 'third country'
- EU Member or Associated State Nationals only
- 24 - 36 months in total of which 12 - 24 months in third country followed by mandatory reintegration phase in European host institutions
- Individual applies with host
- Contract is between European host institution and Commission for duration of fellowship



FP7 Marie Curie Actions

Incoming International Fellowships



- Mobility of 'third country' researchers to Europe – again, this can be any 'third country'
- Third Country nationals only
- Focus of transfer of knowledge (to Europe)
- Incoming phase and possible reintegration for nationals from developing countries and emerging economies
- 12 - 24 months incoming phase
- 6 - 12 months possible reintegration (typically half duration of incoming phase)
- Individual applies with host
- Contract between European host institution and EC for incoming phase, and between third country host and EC for reintegration/return

FP7 Marie Curie Actions


Overview of the International Dimension




- All MC host driven actions (ITNs, IAPP) open to 3rd country nationals
- Career development of EU Member/Associated State nationals by:
 - Outgoing International Fellowships
 - Return and Re-Integration Grants
- Strengthening international co-operation through researchers
 - Incoming International Fellowships
 - Building on S&T Agreements/EU Neighbourhood policy

FP7 Marie Curie Actions

Community Contribution




- Includes:
 - Salary costs (living, mobility, travel and career exploratory allowance) [n/a for reintegration grants]
 - Contribution to research costs
 - Networking costs and organisation [host actions only]
 - Contribution to management costs
 - Other eligible costs possible [only category eligible for reintegration grants]



FP7 Marie Curie Actions

Definition of Fellow's Allowances



- These are all flat rates
- Living
 - Basic salary
 - Varies according to research experience
- Mobility
 - Relocation costs including language courses
 - Varies according to family situation
- Travel
 - Every 12 months travel from location of origin to fellowship location
- Career exploratory
 - Fellowships of at least 1 year to spend on career development activities

FP7 Marie Curie Actions

2008 Deadlines



Industry-Academia Partnerships & Pathways (IAPP)	25 March 2008
NEW - International Research Staff Exchange Scheme	20 March 2008
European Reintegration Grants (ERG)	3 April and 9 October
International Reintegration Grants (IRG)	
Intra-European Fellowships (IEF)	19 August 2008
International Incoming Fellowships (IIF)	
International Outgoing Fellowships (IOF)	
Initial Training Networks (ITN)	2 September 2008

FP7 Marie Curie Actions

Links



- UK National Contact Point for Marie Curie
 - <http://www.ukro.ac.uk/mobility>
- CORDIS
 - <http://cordis.europa.eu/mariecurie-actions/>
- European Researchers' Mobility Portal
 - http://hr.europa.eu/research/index_en.cfm
- Marie Curie Vacancies
 - <http://mc-portal/itn.cordis.lu/>


9. Opportunities beyond FP7

EU Opportunities Beyond the Framework Programme

*African Water, Nairobi,
28 – 30 November 2007*

Amanda Crowfoot
Director
UK Research Office
amanda.crowfoot@ukro.ac.uk

<http://www.ukro.ac.uk>



European Technology Platforms

- Provide a framework for stakeholders, led by industry, to define research and development priorities, timeframes and action plans on a number of strategically important research issues
- Play a key role in ensuring an adequate focus of research funding on areas with a high degree of industrial relevance
- Fostering effective public-private partnerships
- Address technological challenges that can potentially contribute to a number of key policy objectives which are essential for Europe's future competitiveness

<http://cordis.europa.eu/technology-platforms/index.html>



EDCTP

- Aims to reduce poverty in developing countries by improving the health of the populations
- Integration between European and Sub-Saharan African countries
- Developing new clinical interventions to fight HIV/AIDS, malaria and tuberculosis
- Partnership of 14 EU countries, Switzerland, Norway, and African countries.
- Joins relevant European national research programmes and their African partnerships
- Co-funded by the European Commission through 'Article 169'

<http://www.edctp.org/>



COST

- Intergovernmental framework for European Co-operation in the field of scientific and technical research.
- Co-ordination of nationally funded research on a European level.
- Basic and pre-competitive research as well as activities of public utility
- 58 participating countries, including some in Africa
- Actions also open to non-COST countries
- International dimension

<http://www.cost.eu/>



European Development Fund

- Main instrument for providing Community funding for development co-operation in the ACP states
- Funded by the Member States, subject to its own financial rules, and managed by a specific committee.
- Each EDF lasts five years:
 - Ninth EDF: 2000-2007 (Cotonou Agreement)
 - Tenth EDF: 2008-2013 (Revised Cotonou Agreement)
- Instruments include grants, risk capital and loans to the private sector
- Funded the ACP-EU Water Facility
- Funding also contributed by European Investment Bank (EIB)

<http://ec.europa.eu/development/instruments/edf/1207.htm>




EDULINK

- First ACP-EU Co-operation Programme in Higher Education.
- Financed by the European Commission under the EDF
- Aims to foster capacity building and regional integration in the field of higher education
- Open to all ACP countries and the 15 EU Member States signed up to 9th EDF
- Joint projects identified through open calls for proposals
- Next call due to be published in first half of 2008

<http://www.ecp-edulink.eu/>



Beyond the FP

Erasmus Mundus 

- EU-Third country co-operation in Higher Education
- Aims to enhance the quality of European higher education by fostering co-operation with third countries through:
 - promoting quality and European value added
 - encouraging and enabling graduates and scholars from all over the world to obtain qualifications/experience in the EU
 - developing more structured co-operation between EU and third-country institutions, with more outgoing EU mobility
 - improving accessibility and enhancing the profile of higher education in the EU
- Four actions, with varying call dates

http://ec.europa.eu/education/programmes/erasmus/index_en.html

Beyond the FP

EuropeAid Co-operation Office 

- Implements the EU's external (non-European Programmes)
- ACP (African Caribbean Pacific) projects include:
 - EDULINK
 - ACP-EU Energy Facility
 - EU ACP Microfinance Framework Programme
 - ACP-EU Water Facility
 - Dealing with the consequences of war in ACP countries

ACP projects:
http://ec.europa.eu/europeaid/projects/eiff_en.htm

You can search for EuropeAid tenders and calls for proposals at: <http://ec.europa.eu/europeaid/frames12.n>

10. Institutional strategies for participation

UKRO
UK RESEARCH OFFICE

Developing an Institutional Strategy

*African Water, Nairobi,
28 – 30 November 2007*

Amanda Crowfoot
Director
UK Research Office
amanda.crowfoot@ukro.ac.uk
<http://www.ukro.ac.uk>

UKRO
UK RESEARCH OFFICE

Preparing for FP7

FP7 Strategy

- Develop a research strategy
- Review internal procedures
- Raise your institution's profile
- Identify reliable formal and informal contacts/sources of information
- Build consortia
- Participate in consultations
- Promote participation of staff as experts

UKRO
UK RESEARCH OFFICE

Research Strategy

FP7 Strategy

- Do you have one?
- Do you need one?
- What is its aim?
- What is its scope?
- What format should it take?
- Who should produce it?
- Who should contribute to it?
- How will you monitor its success?
- **How does European Research fit in?**

UKRO
UK RESEARCH OFFICE

Implementing Your Strategy

FP7 Strategy

- FP7 is not for everyone
- Who can participate/co-ordinate?
- Identify all internal stakeholders
- Good dissemination mechanisms
- Internal steering/advisory group?
- Database of FP submissions
- Encourage registration as evaluators
- System to encourage interdisciplinary approaches
- An approach specifically for ERC, Marie Curie, Research Infrastructures?
- How will you monitor the success of your strategy?

UKRO
UK RESEARCH OFFICE

Potential Issues to Resolve

FP7 Strategy

- Internal authorisation procedures:
 - Proposal authorisation
 - Science content and staffing
 - Budget calculation and reporting
 - Contract guidance, including IPR
 - Financial certificates
- Approach to participating in projects
- Support for project preparation – including funding
- Time sheets
- Costing mechanisms (researchers and administrators)
- Information dissemination
 - Successful/unsuccessful proposals

UKRO
UK RESEARCH OFFICE

Networking

FP7 Strategy

- Profile raising:
 - Identify/locate key contacts
 - Produce promotional materials
 - Consider a Brussels presence
 - Ensure networking of researchers/research managers/policy makers – internally and externally
- Consortium building:
 - Existing contacts
 - Conferences and events
 - FP7 projects database
 - Partner search facilities

The slide features a blue vertical bar on the left with the text 'FP7 Strategy' written vertically. The main content area has a white background with a blue border. At the top left of this area is the title 'Benefits of Participation' in blue. At the top right is the UKRO logo, which consists of the letters 'UKRO' in blue with a small yellow star above the 'O', and the text 'UK RESEARCH OFFICE' in smaller blue letters below it. Below the title is a bulleted list of nine items.

FP7 Strategy

Benefits of Participation

UKRO
UK RESEARCH OFFICE

- Prestige
- Internationalisation of research
- Benchmarking performance
- Range of project types (multi-disciplinary, industrial)
- Networking opportunities – research and teaching
- Opening up new opportunities
- Mobility of staff and students
- Research capacity
- Funding!