Improving Access to European E-Theses: the DART-Europe Programme

Christopher Pressler

Director of Research and Learning Resources
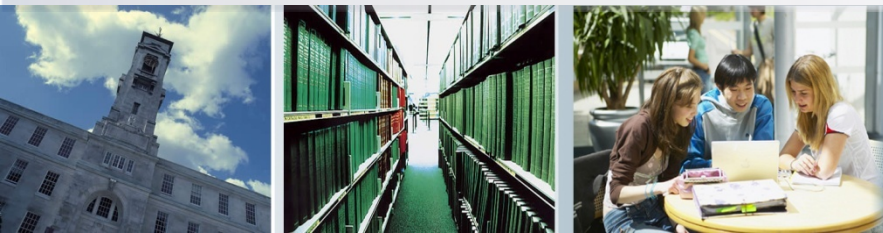
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Outline

- Background
- The partnership
- Key relationships
- The DART-Europe Portal
- Other DART-Europe activities
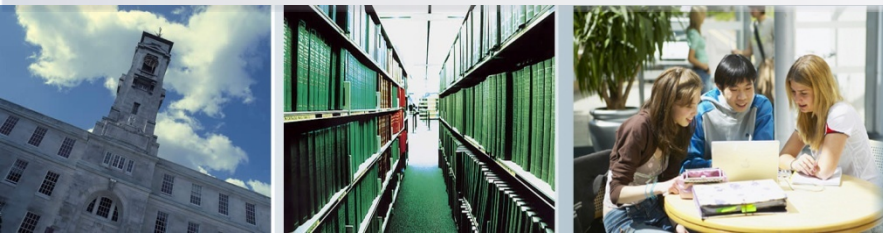- Partnership Agreement
- Conclusion

DART-Europe: first phase

- Began in 2005 as an 18-month project
- Founding academic partners from UK (UCL, Dartington, Oxford University) and Ireland (Trinity College Dublin)
- In association with ProQuest (technology partner)
- Working where possible with national libraries and consortia
- Resourced only through partner contributions

DART-Europe: first phase

- Creation of an open access Portal for e-theses
- Creation of a hosted repository service
- Collation/creation of general advice and guidance on e-theses, including IPR, formats…
- Demonstrator digital preservation service for e-theses
- Identification of a business model for sustainability, founded on value-added services
  - e.g. sale of bound copies, copyright checking, metadata enrichment

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DART-Europe: first phase - successes and...

- Created a demonstrator Portal for e-theses
- Successfully tested a hosted repository service - still available through ProQuest
- Limited work on advice and guidance - this was taken on very effectively by other bodies, such as GUIDE
- No digital preservation testing
- Business model not identified in this period

DART-Europe: second phase, 2007-

- A fully community-led partnership
- Led by UCL and Nottingham; governed by a Board of Partners
- Resourced entirely through partner contributions
- No longer a 'project'; DART-Europe is ongoing
- Supporting the management, discovery, usability and preservation of e-theses

Current partners

- BICfB (Bibliothèque Interuniversitaire de la Communauté française de Belgique), **Belgium**

- CBUC (Consorci de Biblioteques Universitàries de Catalunya), **Spain**

- University of Debrecen University and National Library, **Hungary**

- Deutsche Nationalbibliothek, **Germany**

- DiVA (Digitala Vetenskapliga Arkive), **Sweden** and **Norway**

- Dublin City University, **Ireland**

- University of Minho, **Portugal**

- Helsinki University of Technology, **Finland**

- Ecoles Polytechniques fédérales de Lausanne, **Switzerland**

- Lund University, **Sweden**

- University of Nottingham, **UK**

- Oxford University, **UK**

- Tartu University, **Estonia**

- University of Miskoic, **Hungary**

- Robert Gordon University, **UK**

- Trinity College Dublin, **Ireland**

- UCL, **UK**

- Universidad Politécnica de Valencia, **Spain**

Prospective partners

- ABES (France)

- Austrian University Libraries

- Ethos (UK)

- NORA (Norwegian Open Research Archive)

- PINDAR (Denmark)

- PLEIADI (Italy)

- Swiss University Libraries

Key relationships

- LIBER
    - DART-Europe is endorsed by LIBER as part of the work of the LIBER Access Division
- NDLTD (Networked Digital Library of Theses and Dissertations)
    - DART-Europe is the NDLTD's Working Group for Europe
- Koninklijke Bibliotheek (KB), Netherlands
    - DART and KB are discussing joint work on digital preservation of e-theses
- DRIVER
    - A DART-DRIVER partnership. Exploratory technical work is under way.
    - DART is also contributing to DRIVER guidelines.

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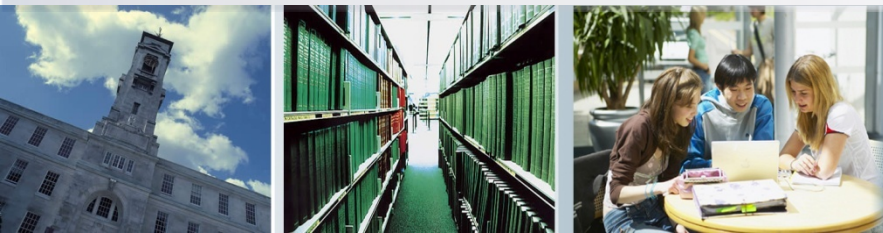Nottingham
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The DART-Europe E-theses Portal

- Access to 100,000+ full-text e-theses.
- Thesis records from:
  - 34 data sources (a mixture of national, consortial and institutional)
  - 13 countries
  - 150 institutions
- Daily updates
- Data collection using simple OAI Dublin Core
  - MODS, MARC also supported
- Off-the-shelf harvesting technology (PKP)
- Bespoke user interface

A pragmatic outlook

- Interoperability can be very complex

- DART-Europe aims to keep things simple
  - Minimise technical barriers for potential contributors
  - Focus on supporting discovery by users

- Realistic metadata guidelines:
  - Essential: author, title, date, identifier (hyperlink)
  - Desirable: abstract, institution, language, contributor (supervisor)

- Portal does not attempt to capture and consolidate every piece of information about every thesis
  - maintains links to source repositories for full metadata, award details, rights info, supplementary data…

Overview (released 2008)

DART-Europe E-theses Portal

Basic Search   **Advanced Search**   **Browse**   **Search History**   **Results**   **Feedback**   **Help**

Results

Order results by: Title | Author | Year | Institution | Data Source

Displaying records **1 - 3** of **3**.   « Back

Title	Author	Year	Institution	Data Source
Aspectes clàssics i quàntics de forats negres en diverses dimensions	Figueras Barnera, Pau	2007	Universitat de Barcelona	TDX
In Situ Observations of the Atmospheres of Terrestrial Planetary Bodies	Harri, Ari-Matti	2005	Helsinki University of Technology	TKK
Spectroscopic study of titanium monohydride and storage ring experiments	Danielsson, Mathias	2008	Stockholm University, Sweden	DiVA

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Title	Spectroscopic study of titanium monohydride and storage ring experiments
Author(s)	Danielsson, Mathias
Date	2008-03-27
Language	en
Identifier	http://urn.kb.se/resolve?urn=urn:nbn:se:su:diva-7451
Identifier	urn:nbn:se:su:diva-7451
Publisher	Stockholm University, Sweden
Type	text.thesis.doctoral
Format	text/html
Format	application/pdf
Format	application/xml
Rights	Copyright Mathias Danielsson 2008
Subject	TiH
Subject	TiD
Subject	transition metal hydride
Subject	dissociative recombination
Description	This thesis describes two projects, spectroscopy of the astrophysically relevant molecule TiH and its isotopologue TiD, and the dissociative recombination (DR) reaction of astrophysically and atmospherically relevant molecules. Emphasis in the thesis is on the first project. A series of laser-aided spectroscopic studies of TiH/TiD has been carried out. A search for forbidden transitions in the (green) D.V.

Publications from Stockholm University

	Description	File size	Format
Files:	Fulltext	4335Kb	PDF (requires Acrobat Reader)

Posting: PDF (requires Acrobat Reader)

Author: Danielsson, Mathias

Title: Spectroscopic study of titanium monohydride and storage ring experiments

Department: Stockholm University, Faculty of Science, Physics Department

URI: urn:nbn:se:su:diva-7451

Publication type: Doctoral thesis

Language: English [en] with a summary in English [en]

Keywords: TiH, TiD, transition metal hydride, dissociative recombination

Defence: 2008-04-18, sal FA32, AlbaNova universitetscentrum, Roslagstullsbacken 21, Stockholm, 14:00, Swedish

Opponent: Launila, Olli, Dr, KTH Tillämpad fysik, Sweden

Abstract [en] : This thesis describes two projects, spectroscopy of the astrophysically relevant molecule TiH and its isotopologue TiD, and the dissociative recombination (DR) reaction of astrophysically and atmospherically relevant molecules. Emphasis in the thesis is on the first project.

Spectroscopic study of titanium monohydride and storage ring experiments

Mathias Danielsson

Academic dissertation for the Degree of Doctor of Philosophy in Chemical Physics at Stockholm University to be publicly defended on Friday 18 April 2008 at 14:00 in sal FA32, AlbaNova universitetscentrum, Roslagstullsbacken 21.

Abstract

This thesis describes two projects, spectroscopy of the astrophysically relevant molecule TiH and

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- ▶ Carl von Ossietzky Universität Oldenburg
- ▶ Christian-Albrechts-Universität zu Kiel
- ▶ DB Thueringen (includes theses from FSU Jena, Universitat Erfurt, Technische Universitat Ilmenau)
- ▶ Dublin City University
- ▶ Eberhard Karls Universität Tübingen
- ▶ Ecole polytechnique fédérale de Lausanne
- ▶ Ernst-Moritz-Arndt-Universität Greifswald
- ▶ Europa-Universität Viadrina Frankfurt (Oder)
- ▶ Faculte Polytechnique de Mons
- ▶ FernUniversität in Hagen
- ▶ Freie Universität Berlin
- ▶ Friedrich-Schiller-Universität Jena
- ▶ FUCAM
- ▶ FUNDP
- ▶ Georg-August-Universität Göttingen
- ▶ Gottfried Wilhelm Leibniz Universität Hannover
- ▶ Heinrich-Heine-Universität
- ▶ Helsinki University of Technology
- ▶ Hochschule für Bildende Künste Braunschweig
- ▶ Humboldt-Universität zu Berlin

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or

Enter first few letters of author surname: [hey] [Go]

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Browse list

Click on a heading to view related records or select a different index

Surname begins with: A B C D E F G H I J K L M N O P Q R S T U V W X Y Z or Enter first few letters: [＿＿＿] Go

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- ▶ **Hey, Marcus**
- ▶ **Hey, Matthias**
- ▶ **Heyck, Matthias**
- ▶ **Heyd, Florian**
- ▶ **Heyd, Kerstin**
- ▶ **Heyde, Gerd**
- ▶ **Heyde, Markus von der**
- ▶ **Heyde, Sophie**
- ▶ **Heyde, Stefan**
- ▶ **Heyden, Andreas**

T-Europe E-theses Portal

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Browse results

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Title	Author	Year	Institution	Data Source
Medizinische und ökonomische Aspekte der präoperativen Eigenblutspende in der Herzchirurgie [Elektronische Ressource] / Sophie Heyde	Heyde, Sophie	2002	Technische Universität München	DissOnline

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Address   http://www.google.co.uk/search?hl=en&q=coloured+anomalous+transport+phase+transitions+complex+systems+&meta=   Go   del.icio.us
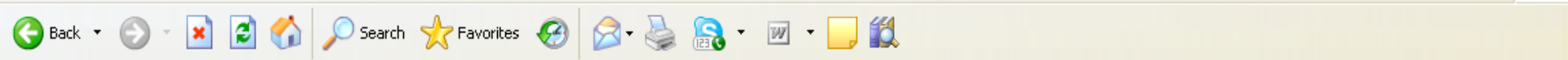
Google   ions complex systems   Go   Gm   Bookmarks   PageRank   151 blocked   Check   AutoLink   AutoFill   Send to   coloured   Settings

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m.moyle@ucl.ac.uk | My Account | Sign out

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coloured anomalous transport phase transitions complex systems   Search   Advanced Search   Preferences

Search: ◉ the web   ◯ pages from the UK

Web   Results **1 - 10** of about **25,300** for <u>coloured</u> <u>anomalous</u> <u>transport</u> <u>phase</u> <u>transitions</u> <u>complex</u> <u>systems</u>. **(0.18** seconds)

<u>DSpace at Tartu University Library: **Colored**-noise-controlled ...</u>
19 Jun 2007 **...** Title: **Colored**-noise-controlled **anomalous transport** and **phase transitions**
in **complex systems**. Other Titles: Värvilise müra tekitatud **...**
dspace.utlib.ee/dspace/handle/10062/2913 - 12k - <u>Cached</u> - <u>Similar pages</u> - <u>Note this</u>

<u>The DART-Europe E-theses Portal (DEEP)</u>
Title, **Colored**-noise-controlled **anomalous transport** and **phase transitions** in **complex**
systems Värvilise müra tekitatud anomaalne **transport** ja faasiüleminekud **...**
www.dart-europe.eu/index.php/record/view/110604 - 10k - <u>Cached</u> - <u>Similar pages</u> - <u>Note this</u>

<u>papers</u>
Disordering effects of **colour** in a **system** of coupled Brownian motors: **phase** diagram and
anomalous-to-normal hysteresis **transition**, H. S. Wio, S. E. Mangioni **...**
cabfst28.cnea.gov.ar/~statisticalphysics/papers.htm - 53k -
<u>Cached</u> - <u>Similar pages</u> - <u>Note this</u>

<u>Physica D: Nonlinear Phenomena : Disordering effects of **colour** in ...</u>
Disordering effects of **colour** in a **system** of coupled Brownian motors: **phase** diagram and
anomalous to normal hysteresis **transition** **...**
linkinghub.elsevier.com/retrieve/pii/S0167278902005080 - <u>Similar pages</u> - <u>Note this</u>

<u>Sonderforschungsbereich 555 - A1 - Control of excitable media by ...</u>
Influence of additive noise on noise-induced **phase transition** in nonlinear chains. **...** fractal
fourier spectrum, and **anomalous transport**. **...**
sfb555.physik.hu-berlin.de/content/view/26/28/lang,en/ - 31k -
<u>Cached</u> - <u>Similar pages</u> - <u>Note this</u>

<u>Session ED - Nonlinear Dynamics.</u>
of Physics and Center for Nonlinear and **Complex Systems**) **....** [ED.14] **Anomalous** diffusion
in quantum Brownian motion with **colored** noise **...**

Interoperability in practice

- Repositories usually have rich, well-organised local metadata
- However, when exporting records, everybody does things differently
  - Dublin Core can be interpreted and used in different ways
  - Meaning can be lost (example - dates)
  - Fundamental information not always present, or not helpfully formatted
  - Many repository managers don't have the technical expertise/support/time to meet even simple guidelines
- To deliver even a no-frills discovery service like the DART Portal requires additional work on harvested data.
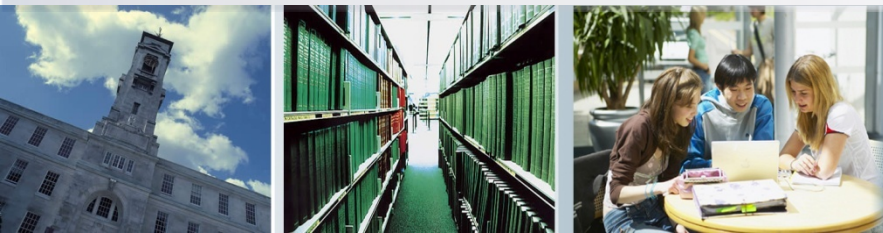
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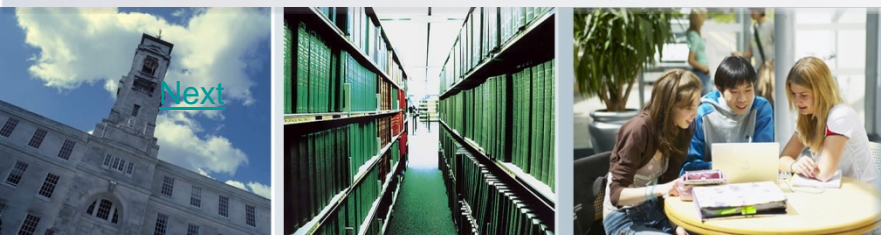
Portal - technical overview
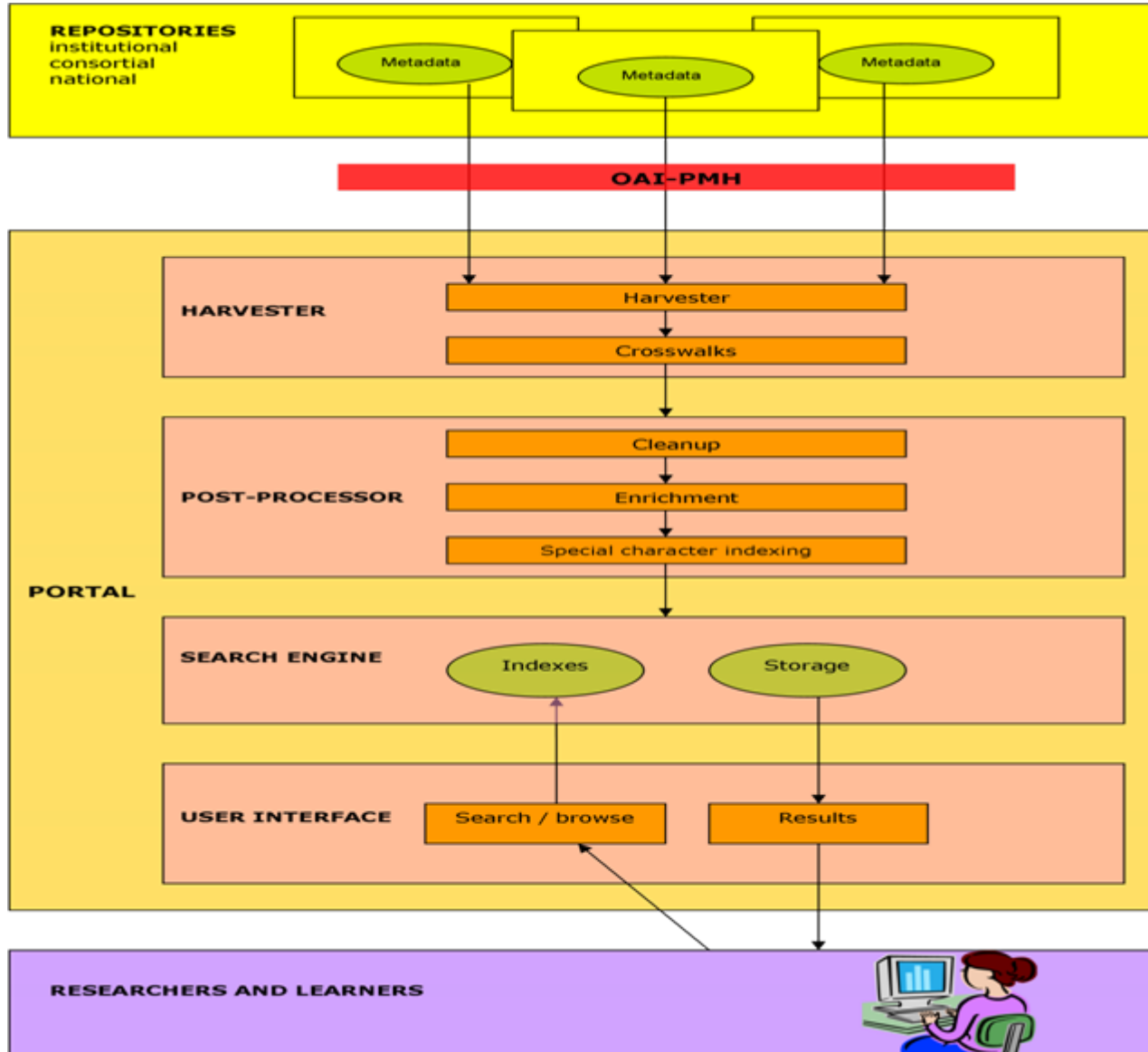
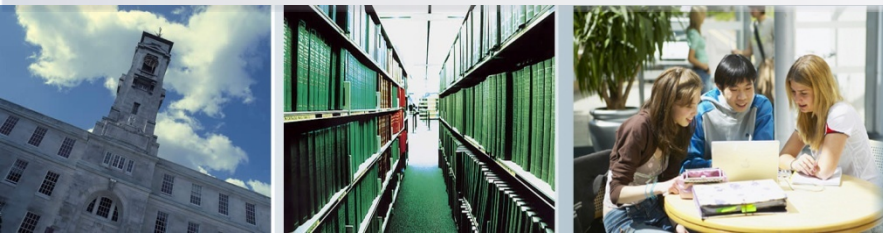# DART-Europe Portal – recent updates and plans

- Switched to new version of interface (July 2008)

- Launched the Portal as a service (Q4 2008)

- Service improvements:
  - User-oriented: RSS, alerts, refine searches, export results.
  - Extend multilingual search/retrieval; interface translations.
  - Usage statistics.

- Determine running costs.
  - What do users really want? Is it feasible?
  - Sustainable cost-recovery plan can then be pursued
  - Exploratory work with DRIVER under way.

DART-Europe: other activities

- DART-Europe has other technical interests…
  - Digital preservation; retrodigitisation of theses; metadata
- …and non-technical interests. Early in 2008, GUIDE (Guiding Universities In Doctoral E-theses) merged into DART-Europe
  - DART-GUIDE supports advocacy and training
  - Earlier work by GUIDE is available through the DART Web site
    - A survey of e-theses developments across Europe, by country
    - Collation of good practice and toolkits covering advocacy, metadata, legal issues, and lessons learned from major European e-theses projects

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Partnership Agreement

- 'Light-touch'
  - Places very few obligations on partners
  - But helps to build a sense of community
- Partners agree to 7 principles, for example:
  - Partners are invited to contribute metadata, on their own terms, to the Portal
  - Partners are invited to contribute resources to support DART-Europe's work
  - Partners help DART-Europe to be an effective network

    for etheses information, expertise and resources

Conclusion

- No dedicated funding means that progress has been incremental, but the Partners have remained enthusiastic, and results are now tangible.

- The Portal is potentially a useful scholarly resource, and there is already evidence that it is being used. It is time to start marketing it to the academic community.

- The Partners benefit from DART-Europe as an effective networking organisation - not just for thesis issues.

- Much to look forward to in the coming months
  - Collaboration with the KB; co-working with DRIVER; expansion of Partnership; further Portal developments; renewal of GUIDE's work…

Further information

- DART-Europe Web site:

  www.dart-europe.eu/About

- Portal:

  www.dart-europe.eu

- Email:

  christopher.pressler@nottingham.ac.uk

  p.ayris@ucl.ac.uk

- Thank you

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