



University  
of Glasgow

# Enlighten: An Embedded Repository Case Study

Dec 2014

EIFL Webinar

William J Nixon

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# University of Glasgow

- Founded in 1451
- 2<sup>nd</sup> oldest University in Scotland (4<sup>th</sup> UK)
- 6,000+ Staff
  - 2000 Researchers
- 25,000 Students
  - 16,000 Undergraduates
  - 5,000 Postgraduates
  - 5,000 Adult learners
- In the top 1% of universities in the world
- In the UK's top 10 earners for research
- Publications Policy 2008
- Top 100 World Universities



# Enlighten

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Enlighten is the University of Glasgow's institutional repository service for published research material including:

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- published conference papers
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There are many benefits to depositing your research in Enlighten find out more ...

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For example:

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## UNIVERSITY PUBLICATIONS POLICY

At the meeting of Senate on 5th June 2008 a new University Publications Policy was approved. The key aim of the new policy is to maximise the impact of the University's research by making publications as widely and freely available as possible through the University's institutional repository Enlighten. The policy will apply from the beginning of the 2008/2009 academic session.

## KEY INFORMATION FOR GLASGOW AUTHORS

Enlighten also provides University of Glasgow authors with advice on how to deposit papers in the service and information on related issues such as open access publishing and complying with funding body open access policies.

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# A further institutional equation – 3 P's



People

x



Processes

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Policies

## Publications Policy

Approved by Senate on 5 June 2008

### Introduction

The University's ambition as stated in its strategic plan, "Building on Excellence" and Research Strategy 2006-2010 is to be one of the world's Top 50 research intensive universities.

In 2006 the Government announced its intention to replace the existing RAE with the Research Excellence Framework (REF), an assessment based on metrics, including bibliometrics in the form of citations to papers. HEFCE states that:

'The REF will consist of a single unified framework for the funding and assessment of research across all subjects. It will make greater use of quantitative indicators in the assessment of research quality than the present system, while taking account of key differences between the different disciplines. Assessment will combine quantitative indicators - including bibliometric indicators wherever these are appropriate - and light-touch expert review. Which of these elements are employed, and the balance between them, will vary as appropriate to each subject.' [1]

Following a recent consultation HEFCE have decided that future assessments will include some form of metrics-based assessment, including bibliometrics, as well as peer review for all (not just STEM) subjects.

# Institutional Repository Silos





Project ID: 51357 (FULL+CM)  
 Title: Enrich - Enlighten and Research System Integration - Research Information Lifecycle

**Project Summary**  
 Project Lead: Ms Susan Ashworth  
 Project People: Mr William Nixon, Miss Valerie McCutcheon

**Applications and Awards**

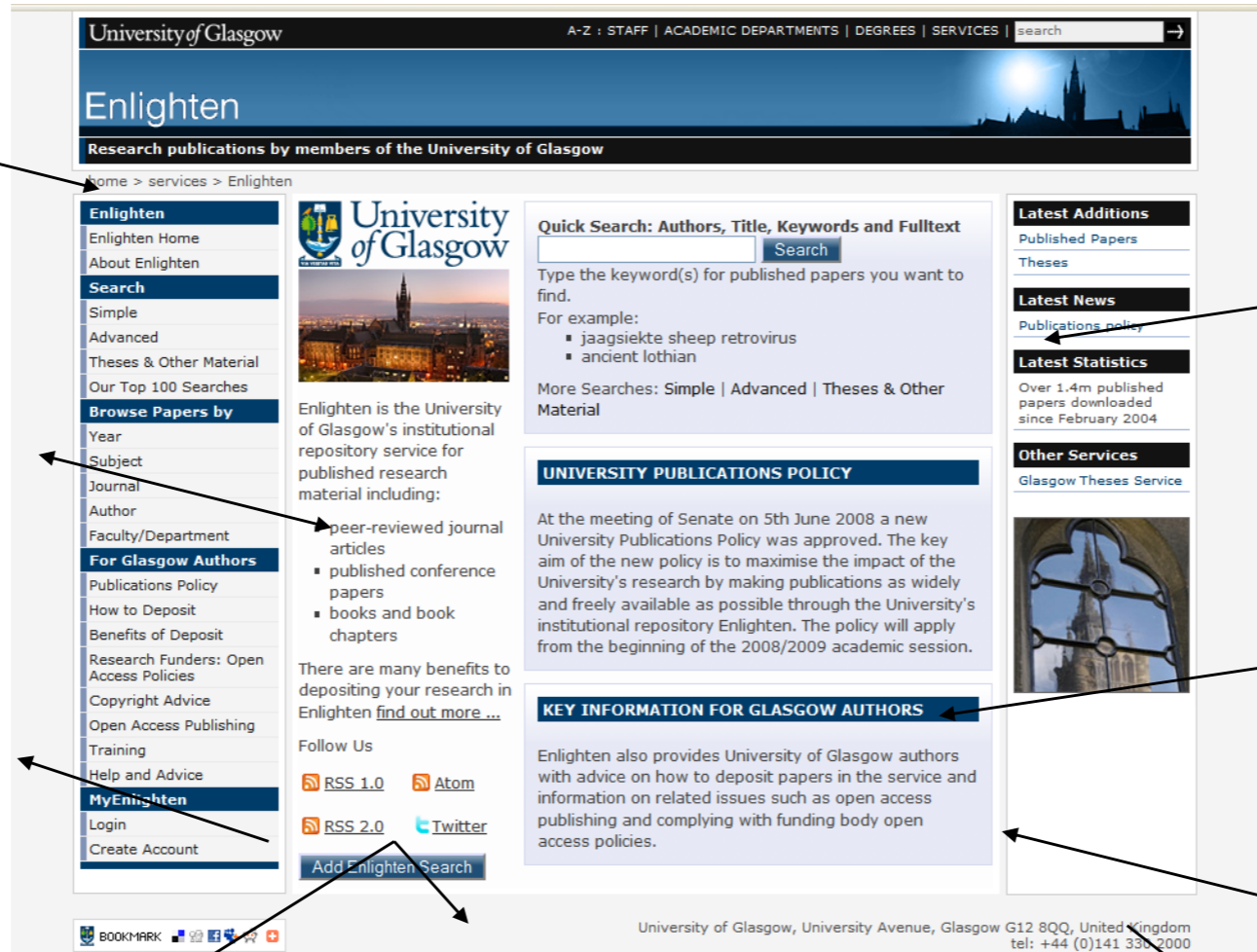
App ID	Funder	Type	Start Date	Date Sent	Outcome	Status	Del	App	Awd ID	FS Project	Award
1	JISC	GRANT	01/04/2009	11/02/2009	Funded	Complete	No	Select	1	90120	Select

**Actions**

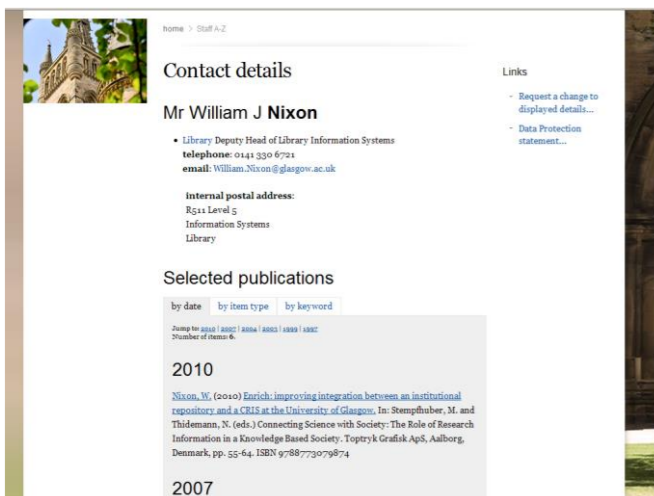
App ID	Type	Activity Type	Status	Date Due
	application	PAFAPPRV	Completed	27/03/2009
	application	INFO	Completed	27/03/2009
	application	INFO	Completed	17/03/2009
	application	INFO	Completed	27/03/2009

**Ethics**  
 Clinical Trials  
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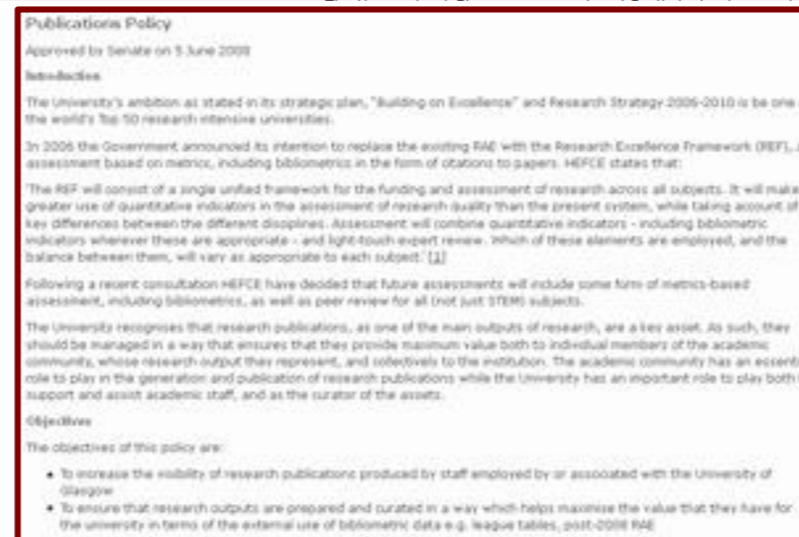
Date Created: 02/02/2009 17:08:06  
 Project Updated: 18/05/2009 15:42:28



The screenshot shows the 'Enlighten' website interface. At the top, there is a navigation bar with 'A-Z', 'STAFF', 'ACADEMIC DEPARTMENTS', 'DEGREES', 'SERVICES', and a search box. The main header reads 'Enlighten - Research publications by members of the University of Glasgow'. A left sidebar contains a menu with options like 'Enlighten Home', 'Search', 'Browse Papers by Year/Subject', and 'For Glasgow Authors'. The main content area features a 'Quick Search' box, a 'UNIVERSITY PUBLICATIONS POLICY' section, and 'KEY INFORMATION FOR GLASGOW AUTHORS'. A right sidebar includes 'Latest Additions', 'Latest News', and 'Latest Statistics'. A 'Google UK' logo is positioned to the right of the main content area.

The screenshot shows a 'Contact details' page for Mr William J Nixon, Deputy Head of Library Information Systems. It includes his telephone number (0141 330 6721), email (William.Nixon@glasgow.ac.uk), and internal postal address (R5.1 Level 5, Information Systems Library). Below this, there is a 'Selected publications' section with a list of items, including a 2010 publication by Nixon, W. (2010) titled 'Enrich: improving integration between an institutional repository and a CRIS at the University of Glasgow'.



The screenshot shows the 'Publications Policy' document, approved by Senate on 5 June 2008. It outlines the University's ambition to be a top 50 research intensive university and discusses the transition from the Research Assessment Exercise (RAE) to the Research Excellence Framework (REF). The policy states that the REF will include metrics-based assessment, including bibliometrics, as well as peer review. It also mentions that the University recognizes research publications as a key asset and aims to manage them to maximize their value.



Functional and structural studies on different forms of the adenylate cyclase toxin of *Bordetella pertussis* - <http://is.gd/1zPHN>



Metadata sidebar for the EnlightenPapers entry, showing the name 'Enlighten', location 'University of Glasgow', web address 'http://www.gla.ac.uk', and a list of statistics: 0 following, 51 followers, 399 updates, and a favorites section.

# Juggling Agendas



REF2014





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## Browse by Research Funder Name

Please select a value to browse from the list below.

- (3)
- Centre for Applied Research at NHH (1)
- AFOSR (5)
- AHRC (2)
- Adam Smith Research Foundation (seedcorn 2010-11) (1)
- Angelini I Santa Palomba Research and Enterprise (ACRAF) (1)
- Arthritis Research UK (ARC) (9)
- Arthritis Research UK (ARUK) (3)
- Arts and Humanities Research Board (AHRB) (35)
- Arts and Humanities Research Council (AHRC) (267)
- Association Francaise Contre Les Myopathies (AFM) (2)
- Association for International Cancer Research (AICR) (2)
- Astrium Ltd (EADS-ASTR) (1)
- Biotechnology and Biological Sciences Research Council (BBSRC) (416)
- Blueshell Mussels Limited (BLUESHELL) (1)
- British Academy (1)
- British Academy (BRIT-ACAD) (55)
- British Academy Research Grant (1)
- British Council (BRCOUNCIL) (1)
- British Heart Foundation (BHF) (172)
- British Skin Foundation (BSF) (3)
- Burgons of Eyemouth Ltd. (BURGONS) (1)
- Canadian Institutes of Health Research (3)
- Cancer Research UK (CAN-RES-UK) (24)
- Carnegie (1)
- Carnegie Trust (1)
- Carnegie UK Trust (CARNEGIE) (25)
- Chancellor's Fund (1)
- Chest, Heart & Stroke, Scotland (CHSS) (2)
- Chinese Scholarship Council (1)
- Civil Aviation Authority (CAA) (1)
- Communities Scotland (COM-SCOT) (1)

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## Browse by Research Funder Name

[▲ Up a level](#)Export as  [Atom](#) [RSS 1.0](#) [RSS 2.0](#)Number of items: **35**.

Given, M., Knapp, A.B., Noller, J., Sollars, L., and Kassianidou, V. (2013) *Landscape and Interaction: The Troodos Archaeological and Environmental Research Project, Cyprus. Volume 2: The TAESP Landscape*. Series: Levant supplementary series (15). Council for British Research in the Levant, London, UK. ISBN 9781782971887 (In Press)

Given, M., Knapp, A.B., Noller, J., Sollars, L., and Kassianidou, V. (2013) *Landscape and Interaction: The Troodos Archaeological and Environmental Survey Project, Cyprus. Volume 1: Methodology, Analysis and Interpretation*. Series: Levant supplementary series (14). Council for British Research in the Levant, London, UK. ISBN 9781782971870 (In Press)

Smith, D. (2012) *Non-territorial autonomy and political community in contemporary central and Eastern Europe*. In: *Non-territorial autonomy and new modalities for national self-determination*: Political Studies Association, 3-5th April 2012, Belfast, UK.

Scobbie, J.M., and Stuart-Smith, J. (2012) *Socially-stratified sampling in laboratory-based phonological experimentation*. In: Cohn, A., Fougeron, C. and Huffman, M. (eds.) *The Oxford Handbook of Laboratory Phonology*. Series: Oxford handbooks in linguistics . Oxford University Press, Oxford, pp. 607-621. ISBN 9780199575039

Smith, D., and Hiden, J. (2012) *Ethnic Diversity and the Nation State: National Cultural Autonomy Revisited*. Series: Routledge innovations in political theory, 44 . Routledge, London. ISBN 9780415696906

Smith, D. (2011) *The multicultural Baltic way: inter-war state and nation-building compared*. In: *Comparative Baltic State-Building*, 14-15th March 2011, Uppsala University, Sweden.

Housden, M., and Smith, D. (2011) *A matter of uniqueness? Paul Schiemann, Ewald Ammende and Mikhail Kurchinskii compared*. In: Housden, M. and Smith, D. (eds.) *Forgotten Pages in Baltic History: Diversity and Inclusion*. Series: On the Boundary of Two Worlds: Identity, Freedom, and Moral Imagination in the Baltics (30). Rodopi, Amsterdam, Netherlands, pp. 161-186. ISBN 9789042033153

Anderson, J., Alexander, M., Kay, C., and Sarwar, M. (2011) *Data mining and search enhancements using the Historical Thesaurus of English*. In: *Proceedings of the 1st International Workshop on Search and Mining Entity-relationship Data*, 24-28 Oct 2011, Glasgow.

## News

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## Events

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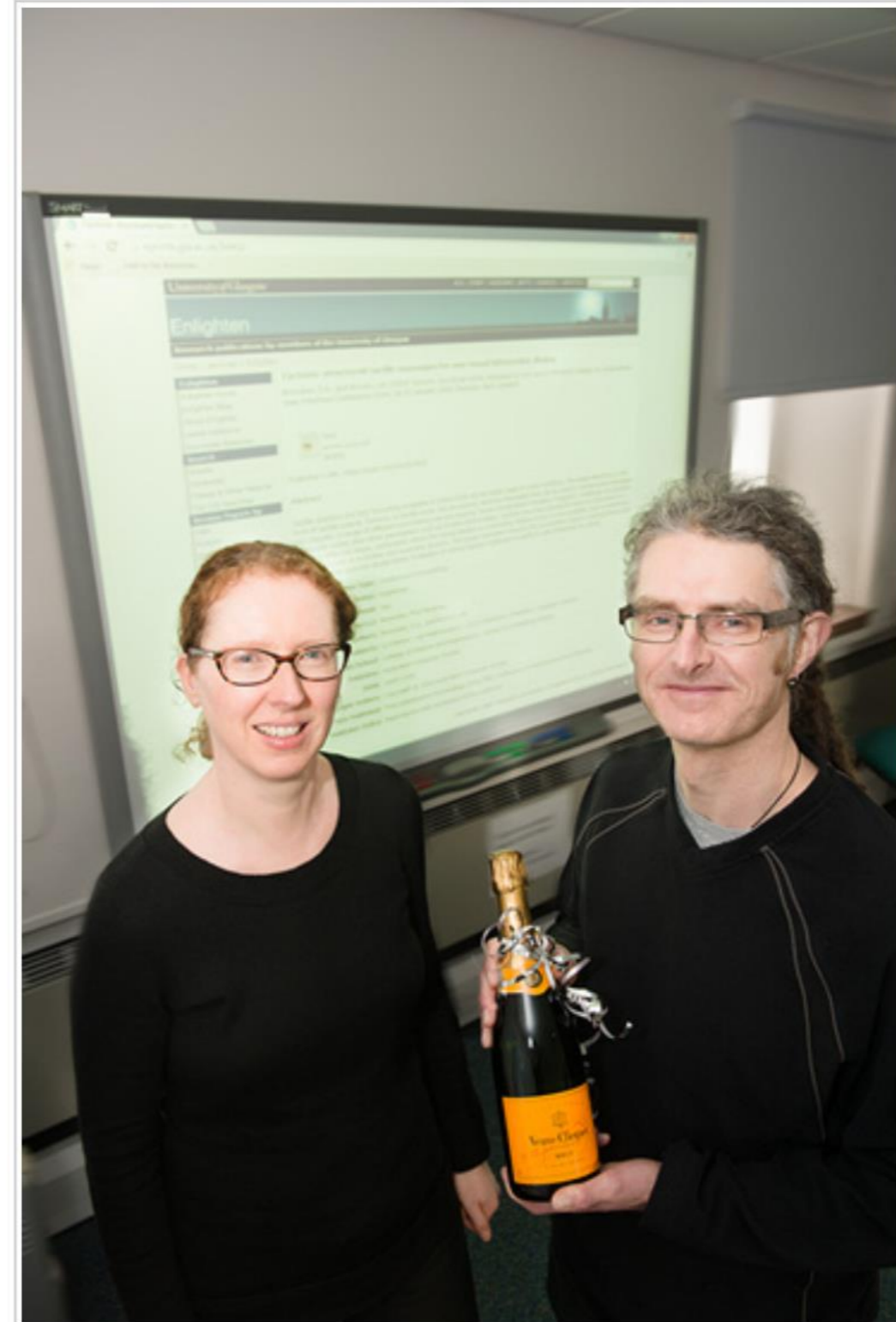
# Brewster's Millionth for Enlighten

Enlighten, the University's publications database and open access repository, has recorded its one millionth download of Glasgow research.

The one millionth download was a 2004 conference paper by Professor Stephen Brewster entitled "Tactons: structured tactile messages for non-visual information display" [eprints.gla.ac.uk/3443/](http://eprints.gla.ac.uk/3443/). There have been over 12,300 downloads of Professor Brewster's papers in Enlighten since January 2009.

Susan Ashworth, Deputy Director of Library Services, was delighted to present Professor Brewster with a bottle of champagne and said: "Downloads and access to Enlighten continue to go from strength, demonstrating the importance of making the University's research freely available".

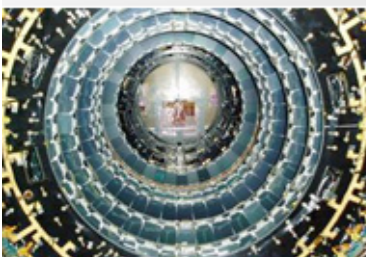
A download statistics dashboard [eprints.gla.ac.uk/cgi/stats/report](http://eprints.gla.ac.uk/cgi/stats/report) has been added to Enlighten which enables staff to see the overall downloads as well as their own download totals or those of their school or College. A similar dashboard has been added to the Glasgow Theses service [theses.gla.ac.uk/cgi/stats/report](http://theses.gla.ac.uk/cgi/stats/report) and there are now over 60,000 theses downloads per



*Susan Ashworth hands over the bubbly*



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search Physics and Astronomy

## Prof Miles Padgett

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### Selected publications | [View all publications](#)

Leach, Jonathan, Jack, Barry, Romero, Jacqui, Jha, Anand K., Yao, Sonja, Ireland, David G., Boyd, Robert W., Barnett, Stephen M., **Quantum correlations in optical angle-orbital angular momentum** (5992). pp. 662-665. ISSN 0036-8075 (doi:10.1126/science.1190523)

O'Holleran, K, Dennis, MR, Flossmann, F, and **Padgett, MJ** (2008) **Fractional quantum Hall states**. *Physical Review Letters*, 100 (5). 053902. ISSN 0031-9007 (doi:10.1103/PhysRevLett.100.053902)

Dennis, M.R., King, R.P., Jack, B., O'Holleran, K., and **Padgett, M.J.** (2010) **Quantum entanglement in a quantum knot**. *Nature Physics*, 6 (2). pp. 118-121. ISSN 1745-2473 (doi:10.1038/nphys1181)

Sun, B., Edgar, M.P., Bowman, R., Vittert, L.E., Welsh, S., **Bowman, A.** **Computational imaging with single-pixel detectors**. *Science*, 331 (6036). pp. 1038-1041. ISSN 0036-8075 (doi:10.1126/science.1234454)

Lavery, M.P.J, Speirits, F.C., Barnett, S.M., and **Padgett, M.J.** (2010) **Quantum entanglement in a quantum knot**. *Science*, 331 (6036). pp. 1038-1041. ISSN 0036-8075 (doi:10.1126/science.1239936)

Dada, Adetunmise C., **Leach, Jonathan**, Buller, Gerald S., **Padgett, M** (2011) **Experimental high-dimensional two-photon entanglement generalized Bell inequalities**. *Nature Physics*, 7 (9). pp. 677-680. (doi:10.1038/nphys1996)

### All publications | [View selected publications](#)

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## Professor Jeremy Smith

- **Head of School/Professor of English Philology** (English Language)

**telephone:** 01413305684

**email:** [Jeremy.Smith@glasgow.ac.uk](mailto:Jeremy.Smith@glasgow.ac.uk)



R304 Level 3, School of Critical Studies, 5 University Gardens, G12 8QH

### + Research interests

### + Supervision

### + Teaching

### + Additional information

### - Publications

List by: [Type](#) | [Date](#)

Number of items: **86**.

### - Articles

Smith, J.J. (2012) *Chaucer's use of the demonstrative*. *English Studies*, 93 (5). pp. 593-603. ISSN 0013-838X (doi:10.1080/0013838X.2012.698537)

Smith, J.J. (2008) *The Enlightenment and the Book: Scottish Authors and Their Publishers in Eighteenth-century Britain, Ireland, and America* by Richard Sher. *Scottish Affairs* . pp. 142-145. ISSN 0966-0356



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Reorder

Export 9 results as

Export

RSS 1.0 Atom RSS 2.0



**Test Shelf** [change]

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- Nixon, W.J., Ashworth, S., and McCutcheon, V. (2013) *Enlighten: Research and APC funding workflows at the University of Glasgow*. Insights: the UKSG journal, 26 (2). pp. 159-167. ISSN 2048-7754 (doi:10.1629/2048-7754.80)
- Nixon, W. (2010) *Enrich: improving integration between an institutional repository and a CRIS at the University of Glasgow*. In: Stempfhuber, M. and Thidemann, N. (eds.) *Connecting Science with Society: The Role of Research Information in a Knowledge Based Society*. Toptryk Grafisk ApS, Aalborg, Denmark, pp. 55-64. ISBN 9788773079874
- Nixon, William (2010) *Enrich Project Final Report*. Project Report. JISC. (Unpublished)
- Greig, M., and Nixon, W.J. (2007) *On the road to Enlighten-ment: establishing an institutional repository service for the University of Glasgow*. OCLC Systems and Services, 23 (3). pp. 297-309. ISSN 1065-075X (doi:10.1108/10650750710776431)
- Ashworth, S., Mackie, M., and Nixon, W.J. (2004) *The DAEDALUS project, developing institutional repositories at Glasgow University: the story so far*. Library Review, 53 (5). pp. 259-264. ISSN 0024-2535 (doi:10.1108/00242530410538391)
- Ashworth, S., and Nixon, W. (2004) *The DAEDALUS project: an open archiving initiative*. In: Brophy, P., Fisher, S. and Craven, J. (eds.) *Libraries Without Walls*. Facet Publishing, London, UK, pp. 227-237. ISBN 9781856045117 Item not currently available in Enlighten.
- Gregory, D., and Nixon, W.J. (2003) *The Instruction Commons: an information literacy initiative at Iowa State University*. Library Review, 52 (9). pp. 422-432. ISSN 0024-2535 (doi:10.1108/00242530310501437) Item not currently available in Enlighten.
- Joint, N., Kidd, T., Nixon, W.J., and Roberts, M. (1999) *Furthering E-Journal Access: More Perspectives from Scotland*. Serials, 12 (2). pp. 171-179.
- Joint, N., Kidd, T., Nixon, W.J., and Roberts, M. (1997) *Implementing E-journal Access: Two Perspectives from Scotland*. Serials, 10 (2). pp. 229-235.

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**Direct measurement of a 27-dimensional orbital-angular-momentum state vector**

Malik, M., Mirhosseini, M., Lavery, M.P.J., Leach, J., Padgett, M.J., and Boyd, R.W. (2014) *Direct measurement of a 27-dimensional orbital-angular-momentum state vector*. Nature Communications, 5 . p. 3115. ISSN 2041-1723 (doi:10.1038/ncomms4115)

Full text not currently available from Enlighten.

Publisher's URL: <http://dx.doi.org/10.1038/ncomms4115>

**Abstract**

The measurement of a quantum state poses a unique challenge for experimentalists. Recently, the technique of 'direct measurement' was proposed for characterizing a quantum state in situ through sequential weak and strong measurements. While this method has been used for measuring polarization states, its real potential lies in the measurement of states with a large dimensionality. Here we show the practical direct measurement of a highdimensional state vector in the discrete basis of orbital angular momentum. Through weak measurements of orbital angular momentum and strong measurements of angular position, we measure the complex probability amplitudes of a pure state with a dimensionality,  $d \geq 27$ . Further, we use our method to directly observe the relationship between rotations of a state vector and the relative phase between its orbital-angular-momentum components. Our technique has important applications in high-dimensional classical and quantum information systems and can be extended to characterize other types of large quantum states.

<b>Item Type:</b>	Article
<b>Status:</b>	Published
<b>Refereed:</b>	Yes
<b>Glasgow Author(s):</b>	Lavery, Mr Martin and Boyd, Prof Robert and Padgett, Prof Miles and Leach, Mr Jonathan
<b>Authors:</b>	Malik, M., Mirhosseini, M., Lavery, M.P.J., Leach, J., Padgett, M.J., and Boyd, R.W.
<b>College/School:</b>	College of Science and Engineering > School of Physics and Astronomy
<b>Journal Name:</b>	Nature Communications
<b>Publisher:</b>	Nature Publishing Group
<b>ISSN:</b>	2041-1723

University Staff: [Request a correction](#) | Enlighten Editors: [Update this record](#)

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Tweeted by **6**  
 Blogged by **1**  
 Mentioned in **2** Google+ posts  
 Picked up by **12** news outlets  
 On **1** Facebook pages

**17** readers on Mendeley  
**0** readers on Connotea  
**0** readers on CiteULike

[View details on Altmetric's website](#)

**Funder and Project Information**

Project Code	Award No	Project Name	Principal Investigator	Funder's Name	Funder Ref	Lead Dept
54987	1	Challenges in Orbital Angular Momentum	Miles Padgett	Engineering & Physical Sciences Research Council (EPSRC)	EP/I012451/1	P&A - PHYSICS & ASTRONOMY

### Welcome to Demoprints



- This repository is a demonstration of 3.3.12.
- It is open for anyone to manage and change.
- You may register as an administrator or editor (on a normal installation you could not do this).
- All changes are reset automatically every **Sunday at 4am**, at which point all data is lost.

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Policy for use of material in this repository.

Demoprints supports [OAI 2.0](#) with a base URL of <http://demoprints.eprints.org/cgi/>

Demoprints is powered by [EPrints 3](#) which is developed by the [School of Electronics and Computer Science](#) at the University of Southampton. [More](#)

## Glasgow Theses Service

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### Welcome to the Glasgow Theses Service

The Glasgow Theses Service is a collection of full text Higher Degree theses successfully defended at the University of Glasgow.  
**Please Note:** This service does not contain all theses defended at the University of Glasgow, for a complete search of Glasgow theses use the Library's [Search for Theses](#).

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## Policy Guide

### Open access research

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#### In brief

'Open access' refers to unrestricted, online access to the published findings of research. In our role as a national funding body for research, we are committed to supporting successful approaches to open-access publishing and increasing public access to research findings.

#### What is HEFCE's position?

We believe that all research arising from HEFCE funding should be as widely and freely accessible as the available channels for dissemination will allow.

We believe this will:

- > enable the prompt and widespread dissemination of research findings
- > benefit both the efficiency of the research process and economic growth driven by publicly funded research
- > increase public understanding of research.

We have developed an approach to open access as part of the work that we do with the other UK funding bodies to assess the quality of research at UK higher education institutions. It is now a requirement that certain research outputs submitted to any research assessment exercise after 2014 be made as widely accessible as possible.

> [Find out more](#)

## Open access and research assessment

**Following extensive consultation, the four UK higher education funding bodies have introduced an open-access requirement in the post-2014 Research Excellence Framework.**

The core of the policy is that journal articles and conference proceedings must be available in an open-access form to be eligible for the post-2014 REF. In practice, this means that these outputs must be uploaded to an institutional or subject repository at the point of acceptance for publication.

[See full details of the policy](#)

#### More on open access

'Open access' aims to make the findings of academic research available electronically, immediately, without charge and free from most copyright or licensing restrictions.

Governments and research funders - nationally and internationally - have recently encouraged a move towards open access.

This has developed from a view that the freedom to access and use research outputs has considerable benefits for authors, researchers, funding bodies and the wider higher education sector.

This has led to discussion about how to make this happen and what effect it might have. But the principle of open access has wide support.

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<input type="text" value="Miss"/>	<input type="text" value="Tes"/>	<input type="text" value="Ter"/>

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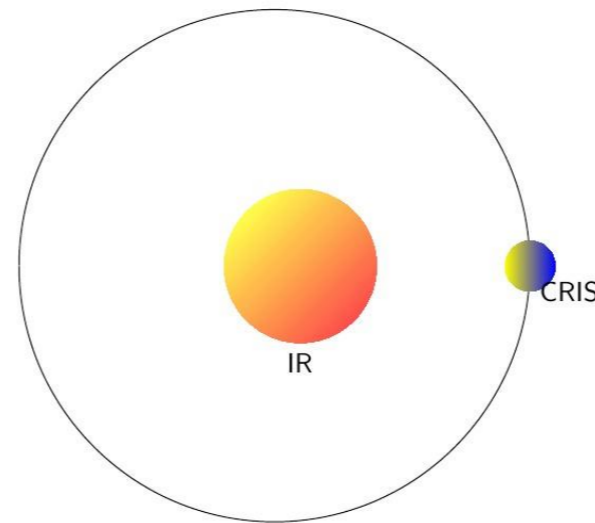
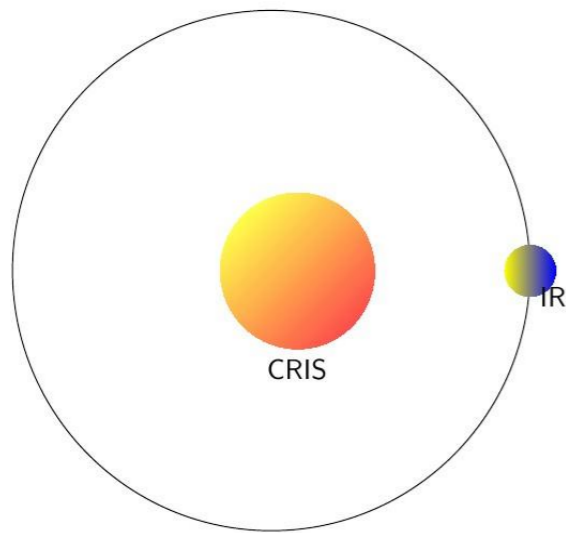


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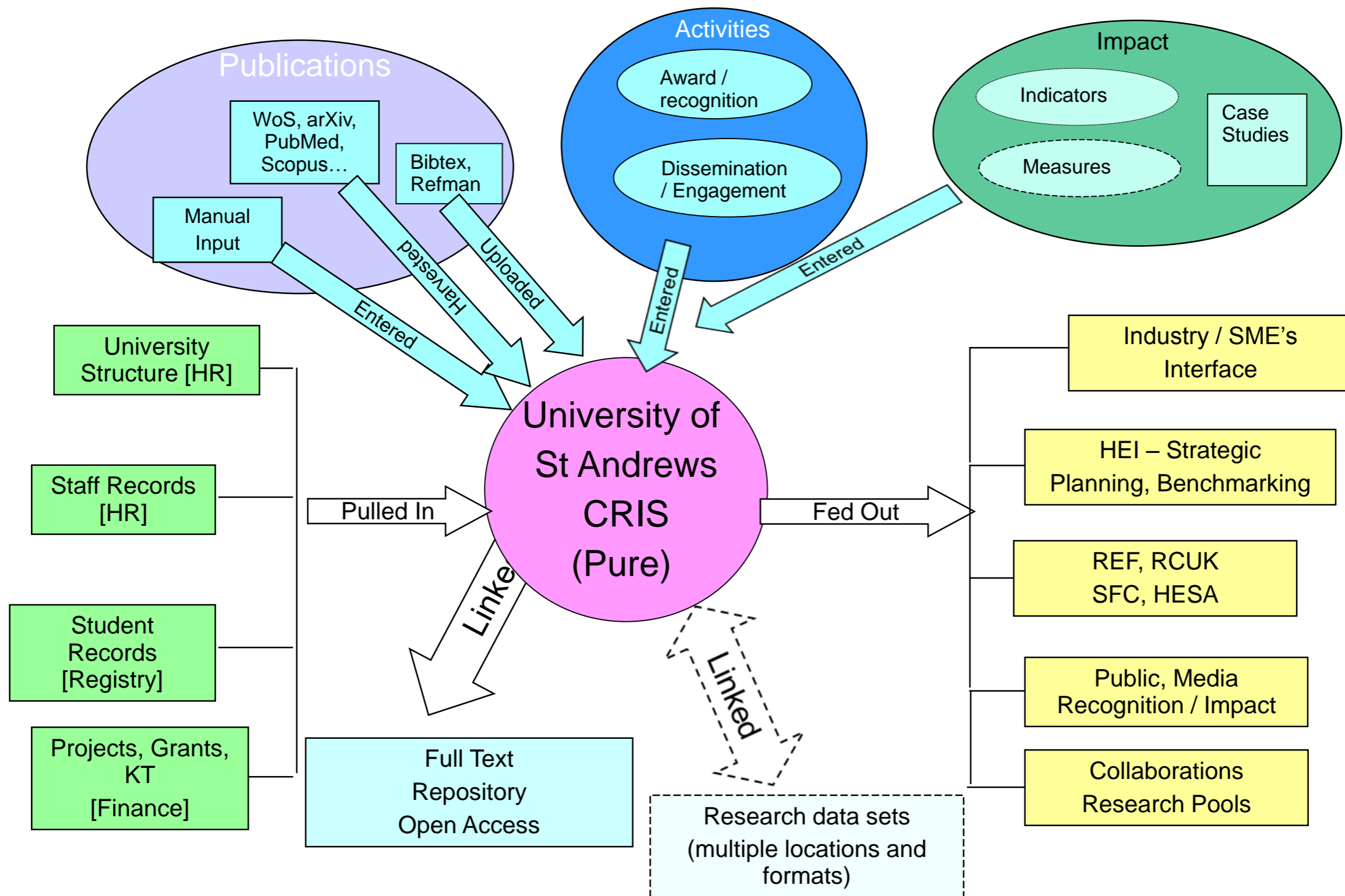
# Less Hoops, More Value



# CRISs, IRs and their interoperability: an opportunity for improving Open Access implementation



# System interoperability (beyond CRIS/IR): the key concept



# COAR Repository Observatory release (Oct'14): "7 things you should know about CRISs, IRs and their interoperability"

## Scenario

1.- What are the main differences between CRISs and IRs?

1. Wide research activity vs Research outputs
2. Reporting vs Dissemination
3. Internal- vs Externally-oriented
4. Research Office vs Library.
5. Metadata vs Full-text
6. CERIF vs Dublin Core
7. Commercial vs Open Source Platforms
8. Open vs Closed



2.- Are CRISs and IRs incompatible? Why are then CRISs replacing IRs?

3.- Are all CRISs commercial products?

4.- So how can a repository "play a CRIS role"? Are there any examples for that already?

5.- The expression CRIS/IR interoperability is very often heard these days, but what exactly does it mean?

6.- Is then the CRIS + IR use case the best one for institutional system architecture?

7.- Are there further areas where CRIS/IR interoperability might be applicable?

# PASTEUR4OA: Aligning European Open Access Policies

The logo for PASTEUR4OA features the text 'PASTEUR4OA' in a bold, dark grey sans-serif font. To the right of the text is a stylized graphic consisting of numerous thin, parallel lines in shades of green and yellow, radiating from a single point at the top and fanning out towards the bottom, resembling a sunburst or a stylized 'A' shape.

**PASTEUR4OA**

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## PASTEUR4OA/Welcome

Welcome to the PASTEUR4OA website!

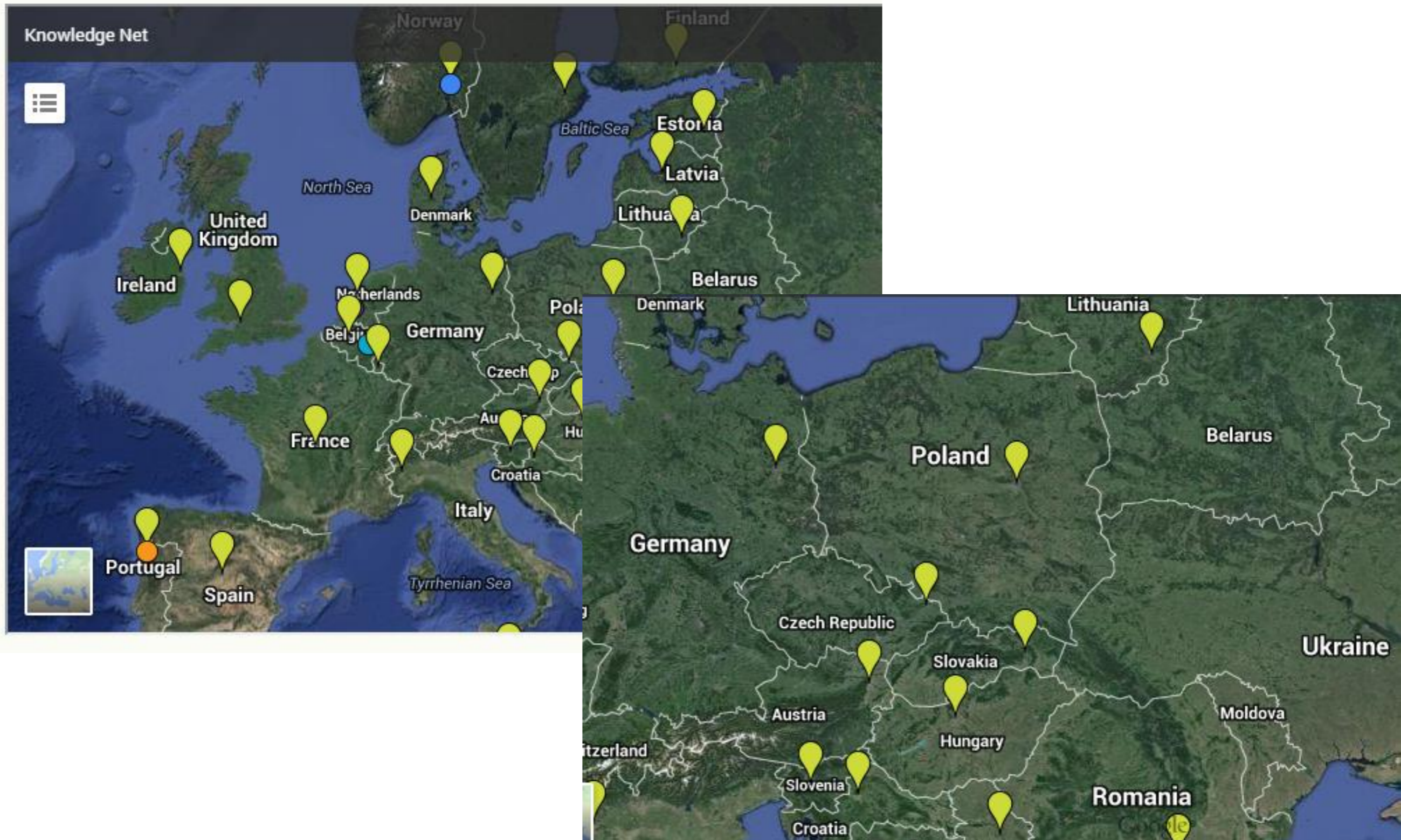
PASTEUR4OA (Open Access Policy Alignment Strategies for European Union Research) aims to support the European Commission's Recommendation to Member States of July 2012 that they develop and implement policies to ensure Open Access to all outputs from publicly-funded research.

**PASTEUR4OA will help develop and/or reinforce open access strategies and policies at the national level and facilitate their coordination among all Member States.** It will build a network of centres of expertise in Member States that will develop a coordinated and collaborative programme of activities in support of policymaking at the national level under the direction of project partners.

<http://www.pasteur4oa.eu/>

# PASTEUR4OA Knowledge Net

## PASTEUR4OA/Key Nodes






# PASTEUR4OA National Case Studies

## PASTEUR4OA/Resources

### Case Study: Open Access in Hungary


 [Hungary Case Study.pdf](#)

Hungarian OA landscape, policies, challenges are reviewed. There are a few mandates, and a few declarations or policy documents which have relevance for Open Access. The role of the Hungarian Scientific Bibliography Database (MTMT) is discussed – as it can be used for monitoring OA mandate compliance. From infrastructural point of view, the OA status is considered fairly good, from the policy side much further efforts are needed, though the mandate of the Academy of Sciences is elaborate and seems to be effective.

Case Study

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### Case Study: Education, Research and Open Access in Norway


 [Norway Case Study.pdf](#)

Norway is a small country with a quite centralised research infrastructure. Building good services for Open Access infrastructure is simplified by having one major research funder, one national CRIS and one key provider of repository services. Politically the

Case Study

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### Case Study: UK Open Access Policy Landscape

 [UK Case Study.pdf](#)

Recent Open Access (OA) policy developments in the United Kingdom (UK) have caused stakeholders such as universities and academic libraries to have to consider how to adapt to distinct funders OA policies and to ensure compliance with those policies. Following an independent study on

Case Study

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### Case Study: Portugal Open Access Policy Landscape

 [Portugal Case Study.pdf](#)

This case study includes a brief description of the Portuguese higher education and research systems, followed by a short history of the development of Open Access policies in the country, including all aspects of implementation and supported infrastructures. It concludes listing

# PASTEUR4OA European-Wide Case Study



Assessing Readiness for Open Access Policy Implementation across Europe (v2)

## Assessing Readiness for Open Access Policy Implementation across Europe

euroCRIS

### Summary

This report presents a European-wide case study for assessing EU Member's readiness for Open Access (OA) policy implementation – and specifically for the European Commission H2020 policy. Aspects like the availability of OA infrastructure, the awareness of OA and the availability of harmonised working procedures and coordination mechanisms are analysed, providing the means to assess the situation of specific countries.

# “PASTEUR4OA European-Wide Case Study

## Introduction

1. A best practice approach to OA policy implementation

2. Some relevant factors for an effective OA policy implementation

I. Availability of an Open Access repository network

II. The Green and Gold Routes to Open Access

III. Availability of Local Open Access Journal Portfolios

3. Readiness for Open Access policy implementation

3.1. Classification

3.2. Factors that establish the degree of readiness for OA policy implementation

3.3. Use case analysis

4. Brief case studies

4.1. Germany

4.2. France

4.3. Austria

4.4. Spain

4.5. Italy

4.6. Czech Republic

4.7. Estonia

**1. Availability of a well-designed, well-maintained and well-populated Open Access repository network**

**2. Cohesion of national repository networks**

**3. Number and relevance of national and/or regional Open Access conferences and events**

Conclusion

Useful links

# Some statistics about national repository networks: not just about IR numbers

OpenDOAR

(retrieved Sep 20th, 2014)

## Search or Browse for Repositories

### Europe (1244)

Albania (1)	Latvia (3)
Austria (16)	Lithuania (10)
Belarus (12)	Luxembourg (1)
Belgium (28)	Macedonia (1)
Bulgaria (6)	Moldova (1)
Croatia (6)	Netherlands (27)
Cyprus (4)	Norway (50)
Czech Republic (11)	Poland (85)
Denmark (13)	Portugal (45)
Estonia (5)	Romania (1)
Finland (13)	Russian Federation (22)
France (89)	Serbia (8)
Germany (170)	Slovenia (6)
Greece (28)	Spain (115)
Hungary (24)	Sweden (45)
Iceland (2)	Switzerland (17)
Ireland (20)	Ukraine (56)
Italy (74)	United Kingdom (229)

OpenAIRE Member State OA Statistics for Content Delivery (as of Oct 20, 2014)  
[source: 'Overview of Open Access in the EU member states',  
<https://www.openaire.eu/eu-member-states/noads/oa-member-states>]

Austria -	4,021	OA publications in 4 repositories (Jul 7, 2014)
Belgium -	65,055	OA publications in 12 repositories (Jun 18, 2014)
Bulgaria -	4,976	OA publications in 12 repositories (Jun 18, 2014)
Croatia -	2,442	OA publications in 2 repositories (Jun 18, 2014)
Cyprus -	1,581	OA publications in 2 repositories (Jul 7, 2014)
Czech Republic -	8,222	OA publications in 3 repositories (Jun 19, 2014)
Denmark -	49,431	OA publications in 6 repositories (Jun 18, 2014)
Estonia -	27,360	OA publications in 1 repositories (Jun 18, 2014)
Finland -	108,459	OA publications in 4 repositories (Oct 13, 2014)
France -	364,573	OA publications in 15 repositories (Jun 18, 2014)
Germany -	473,148	OA publications in 60 repositories (Jun 18, 2014)
Greece -	18,158	OA publications in 5 repositories (Jun 18, 2014)
Hungary -	2,470	OA publications in 5 repositories (Jun 18, 2014)
Iceland -	18,305	OA publications in 2 repositories (Jun 18, 2014)
Ireland -	60,767	OA publications in 8 repositories (Jun 18, 2014)
Italy -	232,334	OA publications in 28 repositories (Aug 29, 2014)
Latvia -	1,400	OA publications in 2 repositories (Jun 18, 2014)
Lithuania -	24,442	OA publications in 1 repositories (Jun 18, 2014)
Luxembourg -	3,841	OA publications in 1 repositories (Sep 26, 2014)
Malta -	0	OA publications in 0 repositories (Jun 18, 2014)
Netherlands -	657,755	OA publications in 21 repositories (Jun 18, 2014)
Norway -	23,729	OA publications in 4 repositories (Jun 18, 2014)
Poland -	23,835	OA publications in 7 repositories (Oct 8, 2014)
Portugal -	161,905	OA publications in 37 repositories (Aug 7, 2014)
Romania -	0	OA publications in 0 repositories (Jun 18, 2014)
Slovakia -	0	OA publications in 0 repositories (Jun 18, 2014)
Slovenia -	41,016	OA publications in 4 repositories (Jun 18, 2014)
Spain -	495,189	OA publications in 42 repositories (Jun 18, 2014)
Sweden -	119,272	OA publications in 16 repositories (Aug 13, 2014)
Switzerland -	142,536	OA publications in 9 repositories (Jun 23, 2014)
Turkey -	2,056	OA publications in 9 repositories (Jun 18, 2014)
UK -	3,012,298	OA publications in 28 repositories (Jun 18, 2014)

# CRIS/IR interoperability *at national level* a potential game-changer for OA implementation



## DSpace-CRIS

**Title:** From a national CRIS along the road to Green Open Access – and back again: Building infrastructure from CRISin to Institutional Repositories in Norway

**Authors:** [Wenaas, Lars](#)  
[Karlstrøm, Nina](#)  
[Vatnan, Tore](#)

**Issue Date:** 9-Jun-2012

**Publisher:** euroCRIS

**Citation:** Keith G. Jeffery, Jan Dvořák (eds.), "e-Infrastructures for Research and Innovation Linking Information Systems to Improve Scientific Knowledge Production": Proceedings of the 11th International Conference on Current Research Information Systems (2012), p. 289-294

**Series/Report no.:** CRIS2012: 11th International Conference on Current Research Information Systems (Prague, June 6-9, 2012)

**Abstract:** In Norway the institutional repositories are seen as the most important piece of the Open Access infrastructure puzzle. The Norwegian national CRIS is the single point of entry for all Norwegian research, and this can be used to increase the number of Open Access publications in the institutional repositories. The CRIS is used as a delivering-portal for full-text, and there is a great potential in identifying the large portion of Norwegian research results that are candidates for self-archiving, but for some reason do not end up in the repositories today. The infrastructure is strengthened through three steps; building an easy route for data from the CRIS to the repositories, identify the portion of candidates for self-archiving, and finally, distribute the content of the repositories to the rest of the world.

**Description:** Presented at the CRIS2012 Conference in Prague.-- 6 pages.-- Full conference programme available at: <http://www.cris2012.org/findByFilter.do?categoryId=1158>

**URI:** <http://hdl.handle.net/11366/116>

**ISBN:** 978-80-86742-33-5

**Appears in Collections:** [CRIS2012 Conference: Papers](#)

# CRIS/IR interoperability *at national level* the Norwegian way

This strategy is divided into three parts;

- Step 1: **Make sure it is easy for the researcher to upload a copy of the article,** and transfer it to the author's institutional repository.
- Step 2: Identify the (quite large) portion of articles registered in the CRIS, where the publisher allows for depositing in an institutional repository.
- Step 3: Distribute and showcase the content of Norwegian institutional repositories to external services.

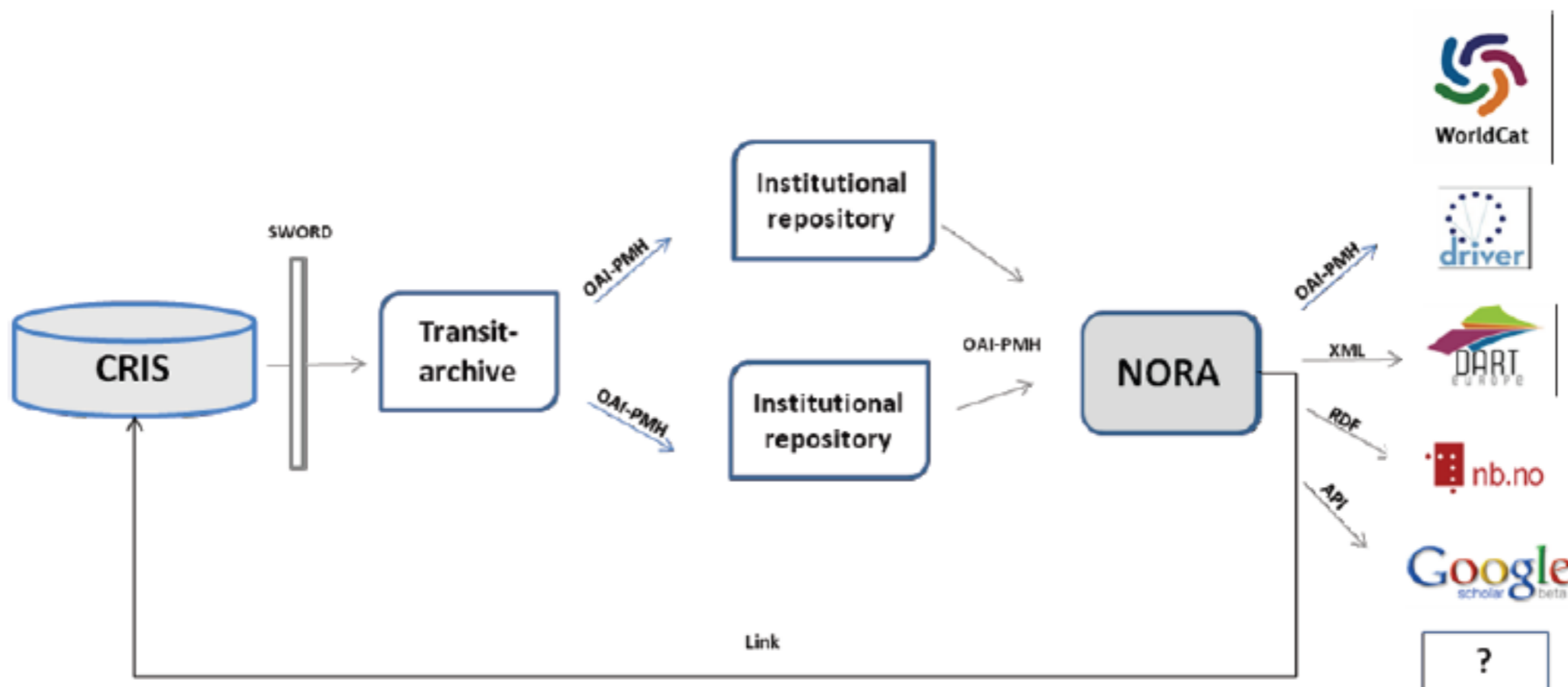


Figure 1: The principles of the infrastructure

## What if...

**... Open Access to full-text publications could be directly offered from the National CRIS where the repository network is not sufficiently strong?**

Czech Republic -	8,222 OA publications in 3 repositories (Jun 19, 2014)
Slovakia -	0 OA publications in 0 repositories (Jun 18, 2014)
Hungary -	2,470 OA publications in 5 repositories (Jun 18, 2014)
Estonia -	27,360 OA publications in 1 repositories (Jun 18, 2014)
Norway -	23,729 OA publications in 4 repositories (Jun 18, 2014)

**... the same interoperability concept could be applied to research data?**

Research data meets research information management: Two case studies using (a) Pure CERIF-CRIS and (b) EPrints repository platform with CERIF extensions

Anna Clements<sup>a</sup>, Valerie McCutcheon<sup>b</sup>

<sup>a</sup>University of St Andrews, UK

<sup>b</sup>University of Glasgow, UK

# Take-home message

**There need to be better communication and collaboration opportunities between the Open Access and the Research Information Management communities in order to exploit the synergies**

**Best practices are already taking place and can be learnt from**





# Thanks!



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