

Discovery Metadata

[From a UK RepositoryNet+ Project Perspective]

Pablo de Castro
UK RepositoryNet+ Project
EDINA National Data Centre
v1pdeca@staffmail.ed.ac.uk



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UKRepositoryNet+ is a project to create a socio-technical infrastructure supporting deposit, curation & exposure of Open Access research literature. [Read more >](#)

REPOSITORY SERVICES



IRUS-UK



Measures the usage of items held in UK repositories (usage statistics) >



ROME



Copyright and policy statements in relation to open access >



JULIET



Funders policies and what funders expect researchers to do in relation to open access >



Repository Junction Broker



Supporting OA by automated the deposition of research output to multiple repositories >



Aggregating



Benchmarking



Registries



Depositing

LATEST UPDATES



UKRepNet
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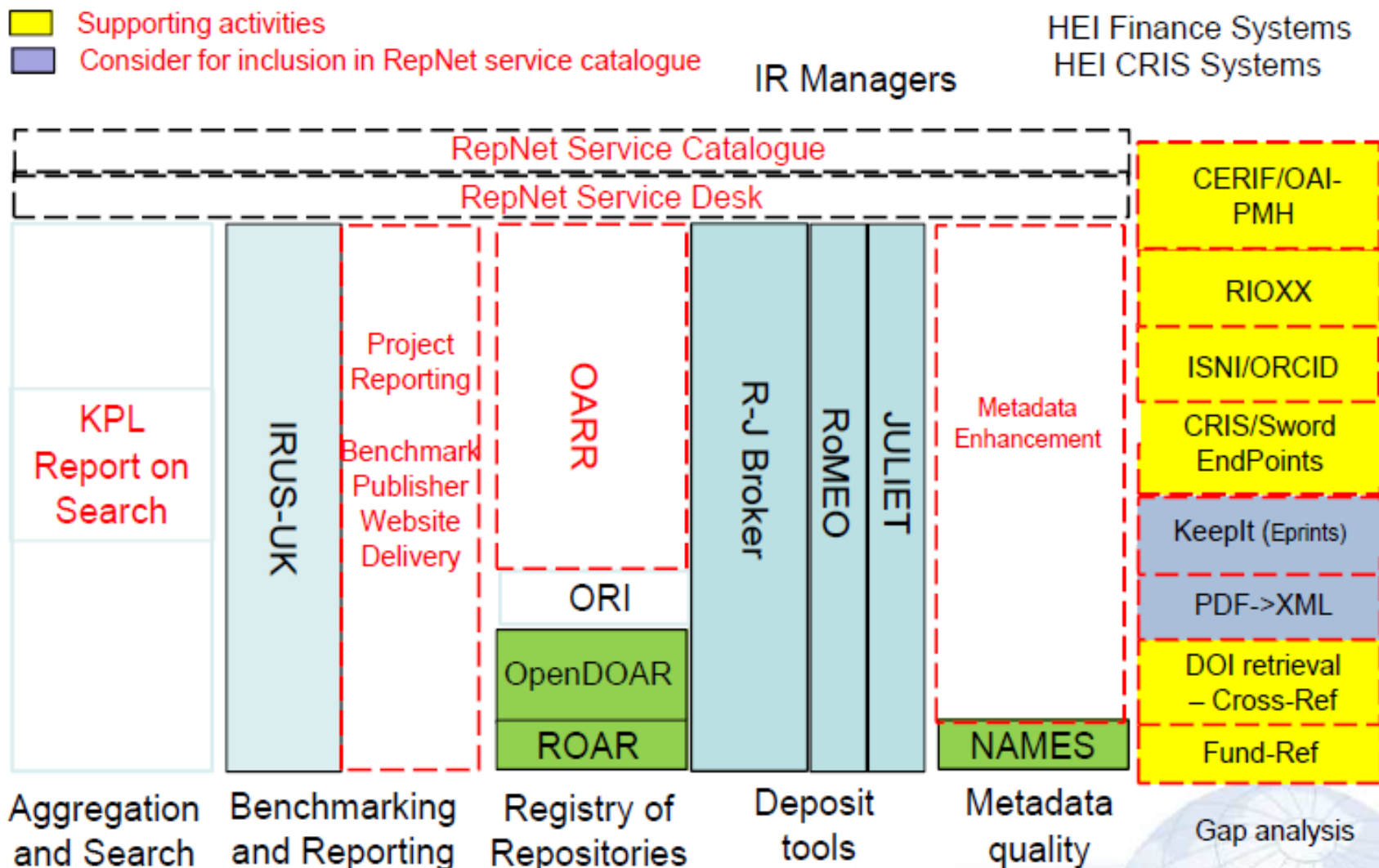
mfenner German Research Foundation pays for open access publications via universities, if mentioned in paper, up to €2000, no hybrid journal [#bid13](#)

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<http://isc.ukoln.ac.uk/work/innovation-zone/>

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RepNet Worklines for Repository Enhancement



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The Complex CRIS/IR Landscape in the UK

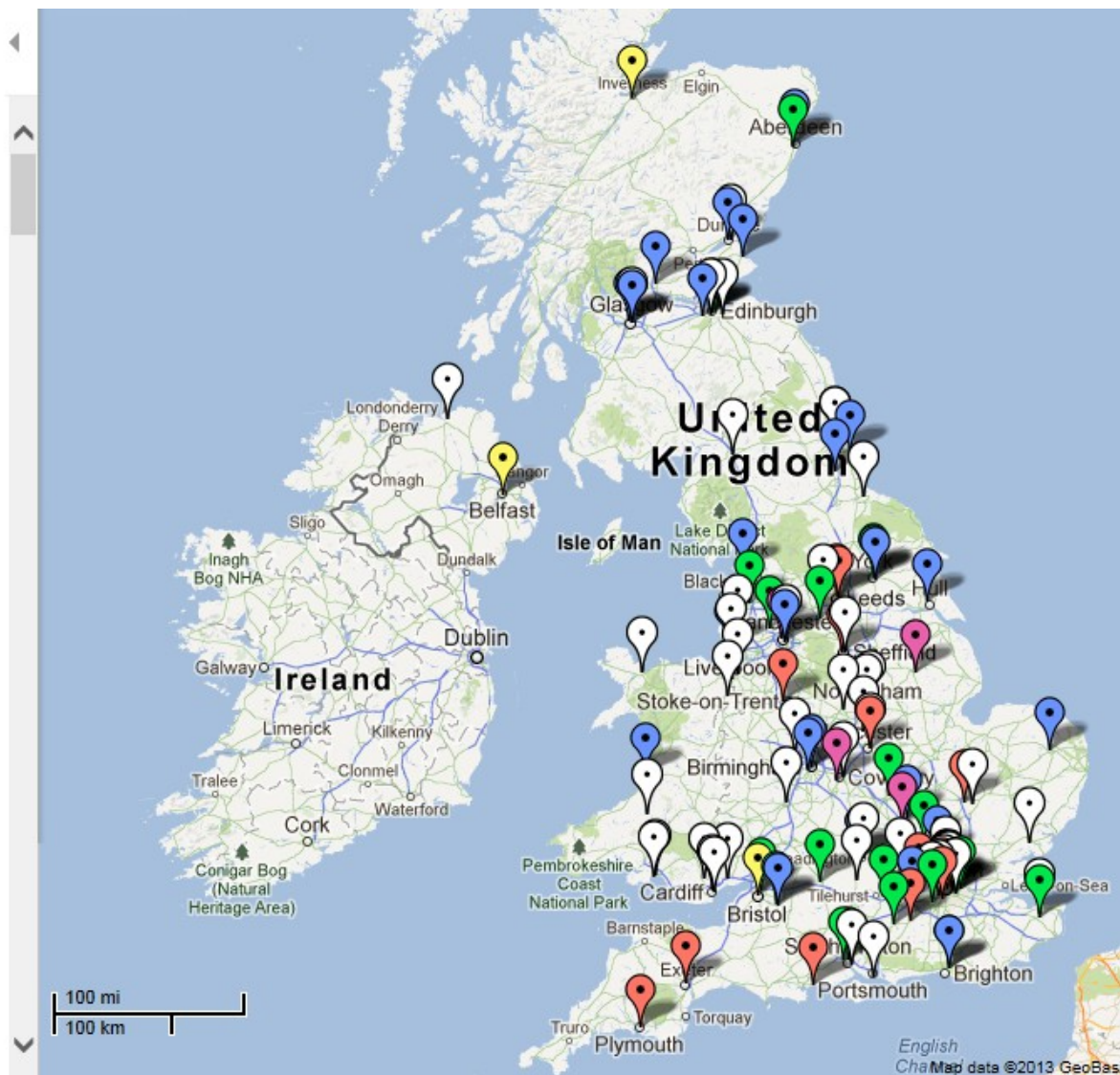
RepNet map for CRIS/IR implementation at UK HEIs

This is a map of the available Research Information Management (RIM) infrastructure across UK HEIs. Five use cases for CRIS/IR implementation are featured on the map as identified by RepNet in collaboration with external stakeholders including IR managers and Research Office managers. Colour codes are as follows:

IR-only: green
IR+CRIS: blue
CRIS-only: yellow
IR+Symplectic: red
IR+RMS: violet
No data: white

If your institution is white-marked, please drop us a line with your specific RIM system configuration to support@repositorynet.ac.uk or fill in the RepNet survey at http://ukcorr.org/events/future-events/teesside-university-friday-9th-november-2012/repnet_survey/. Thanks!

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The Complex CRIS/IR Landscape in the UK: Use Cases

- **IR-only (plus IR-as-CRIS)**
- **IR + RMS**
- **IR + Symplectic**
- **IR + bespoke CRIS**
- **IR + CERIF-based (commercial) CRIS**
 - IR linked to CRIS (item exchange)
 - IR detached from CRIS (no exchange)
- **CRIS-only (plus CRIS-as-IR)**

Source: 'RepNet use cases for CRIS/IR implementation in UK HEIs'



The UKRepNet Metadata Enhancement Strand

- The “Minimum Sufficient Metadata” Concept
- Specific Requirements for Institutional Repositories:
 - Visibility (Open Access, OAI-PMH)
 - Simplicity (aiming to have direct deposit from researchers)
 - Needs to Cover Preservation Issues
- Significant Changes in the UK Open Access Landscape
 - Finch Report
 - RCUK Open Access Policy
- New requirements for 'enhanced metadata':
 - Funder Information
 - Author Identifiers

- RIOXX



RIOXX: Developing Repository Metadata Guidelines

Requirements from research funders, users and those seeking to exploit repository content in various ways have led to a conclusion that there would be tangible benefits if UK repositories were to expose a more consistent set of metadata. Building on the RIO Extension Report, there were clear use cases from stakeholders to develop an application profile for interoperability; to allow consistency and quality in the sharing of metadata between institutions, funders, and publishers:



Adoption of CERIF in Higher Education Institutions in the UK: A Landscape Study

1 Executive summary

However despite the widespread use of CERIF as an underlying standard, many institutions are not engaging with CERIF directly. Staff find CERIF complex and rely on external expertise from CRIS vendors and UK user groups; only institutions involved in JISC projects are properly engaging with CERIF. However many staff would like to engage more, citing lack of time as the main factor. There is increasing recognition that local understanding of RIM processes and how local data maps to CERIF allows more efficient and cost-effective CRIS implementation and ongoing development.

DublinCore (ISO 15836:2009)



Dublin Core® Metadata Initiative

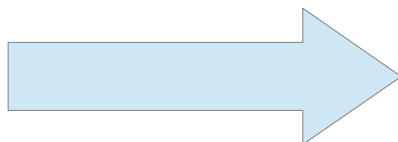
Making it easier to find information.

Simple Dublin Core

The Simple Dublin Core Metadata Element Set (DCMES) consists of 15 metadata elements:

1. Title
2. Creator
3. Subject
4. Description
5. Publisher
6. Contributor
7. Date
8. Type
9. Format
10. Identifier
11. Source
12. Language
13. Relation
14. Coverage
15. Rights

Qualified DublinCore



Full metadata record

DC Field

`dc.contributor.author` Adams, Sam
`dc.contributor.author` de Castro, Pablo
`dc.contributor.author` Echenique, Pablo
`dc.contributor.author` Estrada, Jorge
`dc.contributor.author` Hanwell, Marcus D
`dc.contributor.author` Murray-Rust, Peter
`dc.contributor.author` Sherwood, Paul
`dc.contributor.author` Thomas, Jens
`dc.contributor.author` Townsend, Joe A
`dc.date.accessioned` 2011-11-01T12:13:00Z
`dc.date.available` 2011-11-01T12:13:00Z
`dc.date.issued` 2011-10-14
`dc.identifier` <http://dx.doi.org/10.1186/1758-2946-3-38>
`dc.identifier.citation` Journal of Cheminformatics 3(1) : 38 (2011)
`dc.identifier.uri` <http://hdl.handle.net/10261/41947>
`dc.description.abstract` Abstract Computational Quantum Chemistry ha
of small to medium sized molecules. Many thou[®]
However, in contrast to other disciplines, such a

Aggregation: A Relevant Requirement

Deep DC-based metadata customisation

DC Field

dc.date.accessioned 2012-08-28T11:41:08Z

dc.date.available 2012-08-28T11:41:08Z

dc.date.issued 2001-10

dc.identifier.bibliographicCitation Physical Review E, vol 64, n. 4, oct. 2001. Pp. 1-7

dc.identifier.issn 1539-3755 (print version)

dc.identifier.issn 1550-2376 (online version)

dc.identifier.uri <http://hdl.handle.net/10016/15140>

dc.description.sponsorship Work at Sevilla was supported by the EU Grant No. LOCNET HPRN-CT-1999-00163. Work at Leganés was supported by DGI of MCyT (Spain) through Grant No. BFM2000-0006.

dc.format.mimetype application/pdf

dc.language.iso eng

dc.publisher American Physical Society

dc.title Anomalies of ac solitary waves with internal modes: nonparametric resonances induced by parametric forces

dc.type article

dc.description.status Publicado

dc.relation.publisherversion <http://dx.doi.org/10.1103/PhysRevE.64.046601>

Specific Requirements for Content Aggregation: Guidelines for Metadata Harmonisation



DRIVER Guidelines 2.0

Guidelines for content providers - Exposing textual resources with OAI-PMH



Guidelines as an Answer to Content Aggregation Needs

OpenAIRE Guidelines 2.0

Guidelines for content providers of the OpenAIRE
information space

October 2012



Open Access Infrastructure for Research in Europe

OpenAIRE compliant repositories

Sort by: Filter:

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[Academic Bibliography and Institutional Archive of Ghent University](#)

Show details No statistics available

[Access to Research and Communications Annals](#)

Show details No statistics available

[Antropológicas](#)

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Show details No statistics available

[Archivio Aperto di Ateneo](#)

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in the EU

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Deposit, Provide Content

Disc
Publi

euroCRIS and OpenAIRE work together
to enable data exchange with CRIS

20 FEBRUARY 2013

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Metadata Validation Feature from Aggregators/Harvesters

Pending Errors -- CSIC Institutional Repository

[example, dated 2009]

e-ciencia Aggregation: Potential Issues

- Protected PDF: 404 records
- No Text Extraction (no OCR?): 16 records

Mandatory DRIVER Guidelines:

- Missing Agreed Arc Type: 7779 records
- Non-Textual Document Type: 8 records
- Full-Text: No Link from Splash-page: 73 records
- Full-Text: Error on Full-Text Download: 49 records
- Undefined Author: 34 records
- Undefined Title: 2 records

Recommended DRIVER Guidelines:

- Undefined Subject: 1427 records
- Missing Description: 41 records
- Wrong Language Format (Arc): 147 records
- Missing Agreed Document Type: 3548 records
- Missing Format: 3 records
- Missing Rights: 296 records
- Wrong Author Name Format (Last Name, First Name): 20 records

Note.- A UKRepNet-driven Aggregation is being developed for the UK Repository Network that could deliver similar metadata validation functionality



Metadata for Current Research Data Repositories Also DC-Based



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[Show simple item record](#)

dc.contributor.author	Rajon, Etienne	
dc.contributor.author	Plotkin, Joshua B.	
dc.date.accessioned	2013-09-06T18:28:00Z	
dc.date.available	2013-09-06T18:28:00Z	
dc.date.issued	2013-08-28	
dc.identifier	doi:10.5061/dryad.1f217	
dc.identifier.citation	Rajon E, Plotkin JB (2013) The evolution of genetic architectures underlying quantitative traits. Proceedings of the Royal Society B 280(1769): 20131552.	
dc.identifier.uri	http://hdl.handle.net/10255/dryad.52207	
dc.description	In the classic view introduced by R. A. Fisher, a quantitative trait is encoded by many loci with small, additive effects. Recent advances	

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Alternative Discovery Metadata Standards

METS, MODS and PREMIS! Oh My!

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METS, MODS and PREMIS, Oh My!



(and a little MIX and other schema too)

Integrating Digital Library Standards for Interoperability and Preservation

Thomas Habing, thabing@uiuc.edu
Grainger Engineering Library Information Center
University of Illinois at Urbana-Champaign

ALA Summer 2007

Habing

1

<http://www.loc.gov/standards/mods/presentations/habing-ala07/index.html>

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New Metadata Requirements: Funder Info



What's new

In comparison with previous versions of the Guidelines, this 2.0 version introduces two main changes:

1. Support for aggregators to become OpenAIRE compatible in order to expose their metadata to the OpenAIRE infrastructure.
2. Extended namespace for project identification. The extended namespace is intended to support a generic way of expressing project information, allowing its use not only for EC/FP projects, but ideally for any funder and project (national or international). Although the use of the extended namespace is recommended, repositories and journals that are already OpenAIRE compatible will remain compatible with no additional work, by

rioxx

the RIOXX metadata profile and guidelines

Approaches to handling funders and projectIDs in a RIOXX record

The most important requirement for RIOXX is to provide a way to collect basic information about how research outputs (especially papers) have been funded. That is to say, we need to collect two types of information for a given paper:

- the funder
- the project or grant ID under which this research output was funded.



Preliminary Approaches to Funder Info Coding: Enlighten

Enlighten: Research and APC funding workflows at the University of Glasgow

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)



University
of Glasgow

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Publisher Policy: Reproduced in accordance with the copyright policy of the publisher

University Staff: Request a correction | Enlighten Editors: Update this record

Funder and Project Information

Project Award Code	Project No	Project Name	Principal Investigator	Funder's Name	Funder Ref	Lead Dept
48257	1	Multi-object, high-throughput, spectro-microscopy: Life Sciences Interface	Miles Padgett	Engineering & Physical Sciences Research Council (EPSRC)	EP/H007636/1	Physics and Astronomy

Additional Metadata for Gold Open Access and APCs

New fields have been added to Enlighten which comply with RCUK's requirements for providing funder and data set references. These have been added in the document upload section of the Enlighten deposit workflow and will assist us in reporting the number of papers which are green or gold open access. (See Figure 7.)

License:	UNSPECIFIED			?
Embargo expiry date:	Year:	Month: Unspecified	Day: ?	?
Open Access Option:	UNSPECIFIED Green Gold Other			?
Funder Acknowledgement:	UNSPECIFIED Yes No			?
Research Materials Acknowledgement:	UNSPECIFIED Yes No			?

Forthcoming Needs: Metadata for Monitoring Mandate Compliance

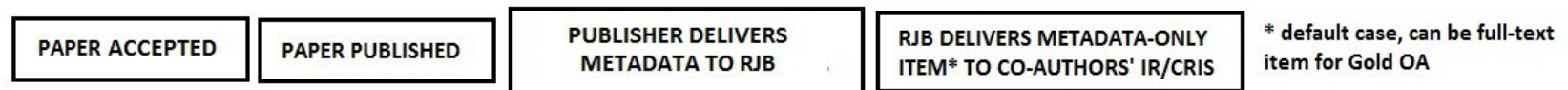
Tuesday, September 03, 2013

Public Library of Science's Cameron Neylon on the state of Open Access: Where are we, what still needs to be done?

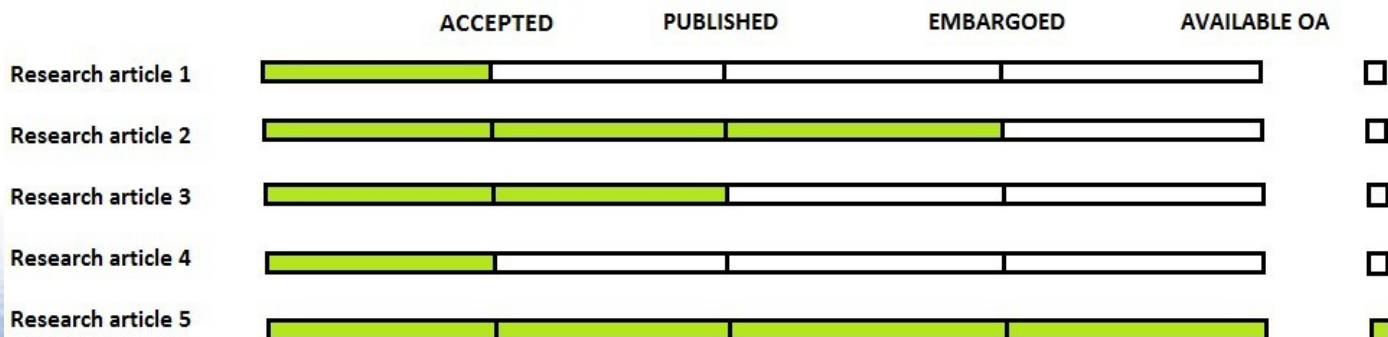
"The single most important task today is putting in place robust and transparent mechanisms to report on policy compliance, pricing, and monitor the growth of access.

"This may seem rather prosaic but we have wildly different estimates of the proportion and quantity of OA. Much of the fragmentation in today's debate is caused by people building arguments on contradictory data. And it has been too easy for institutions and funders to announce mandates without systems to monitor their success, let alone enforce them."

DATA-DRIVEN INFORMATION WORKFLOW



THE DASHBOARD (OA flavour-agnostic)



ITEM EMBARGOED
IR MANAGER DEALS W/ AUTHOR(S)
FOR FULL-TEXT APPENDING

FULL-TEXT PAPER
AVAILABLE OA

Thanks!

Pablo de Castro
UK RepositoryNet+ Project
EDINA National Data Centre
v1pdeca@staffmail.ed.ac.uk

