COAR

Confederation of Open Access Repositories

COAR Annual Meeting & General Assembly Vienna

April 12-13

2016


Sky Lounge
top floor


Universität Wien
Made using biodegradable material
Made using biodegradable plastic


GARDEROBE
Keine Haftung für
die Garderobe!
ONSITE-
REGISTRATION
PayLife


Establishing New Levels of Interoperability
for
Web-Based Scholarship
Herbert Van de Sompel
Los Alamos National Laboratory
@hvdsomp
Acknowledgments: Michael L. Nelson, David Rosenthal, Geoff Bilder, Simeon Warner, Harihar Shankar, Shawn Jones
Cartoon by:
Patrick Hochstenbach
Herbert Van de Sompel
COAR Annual Meeting, Vienna, Austria, 12/04/2016
Open Access Repositories
www.coar-repositories.org


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Request review
Confederation
CSIC
RED


Evolution of Our Thinking abou
OAI-PMH
OPEN ARCHIVES
repository centric
OAI-ORE
descriptive - RDF
web centric
gational - HTTP Links
memento
Memento
Herbert Van de Sompel
Meeting, Vienna, Austria, 12/04/2016
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OpenAIRE


hp


Current State of Metrics for Repositories
Open Peer Review
OPENNESS, TRANSPARENCY and INTERACTION in Scholarly Communication
OpenAIRE's Open Peer Review Experiments
WINNOWER
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COAR
Confederation of Open Access Repositories
The Role of Collaboration in Building
a Global Knowledge Commons
COAR
COAR Annual Meeting & General Assembly
Vienna
2016


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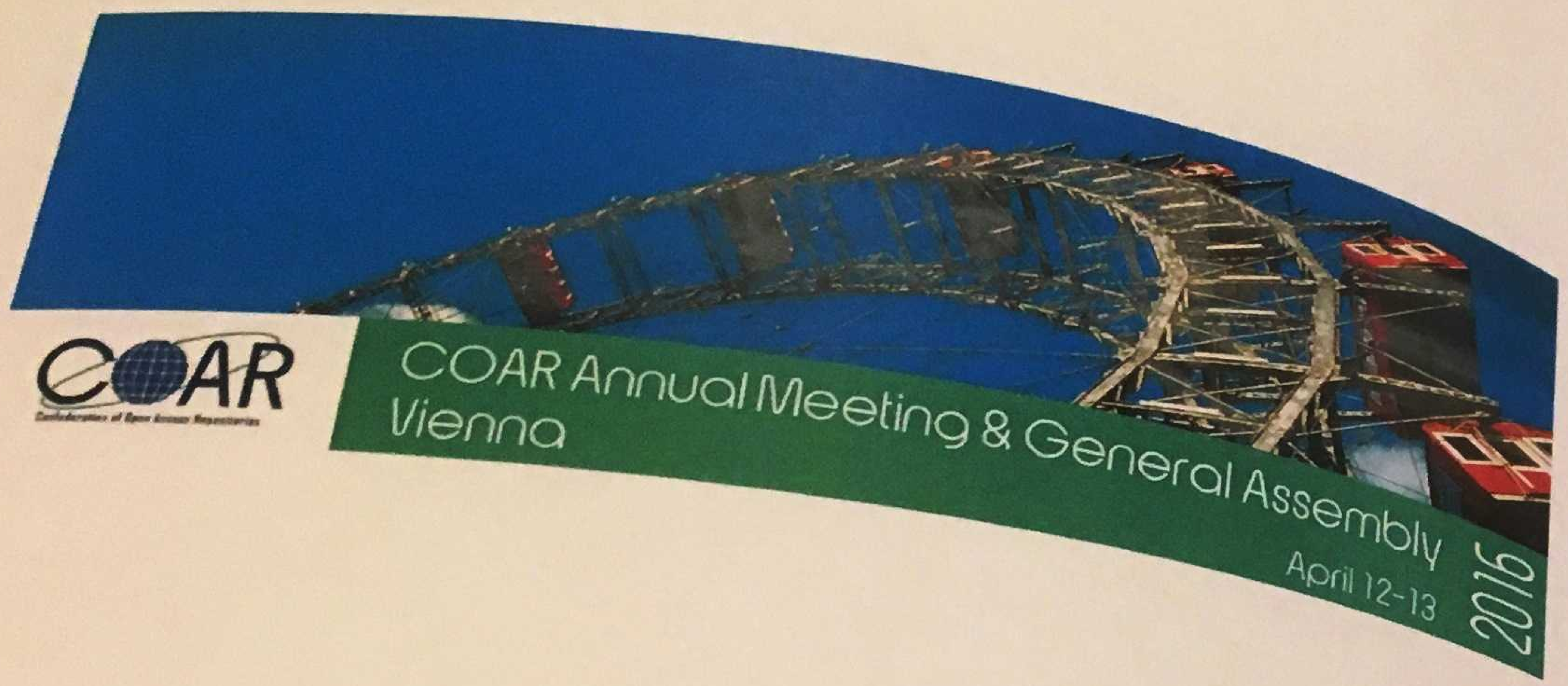
Oskar-Morgenstern Platz 1
EINGANG


Wiener Riesenrad
CHAUFFEUR



Dienstag, 12. April 2016

Tuesday, 12th April 2016

Gebackene Mozzarella-Praline/Paradeiserrisone/Basilikum

Baked Mozzarella Bonbon/Tomato-Orzo/Basil

Piri piri Hendl/Ceasar Salat/Guacamole

Piri piri Chicken/Caesar-Salad/Guacamole

Wiener Schnitzel vom Kalb/Salat

Viennese Calf Schnitzel/Salad

Rinderfilet/Lardo/Fisolen/Gratin

Filet of Beef/Lardo/French Beans/Gratin

Käseteller

Cheese Plate

Eisvogel Dessert Variation

Eisvogel Dessert Variation


Programme
Wednesday, 13 April 2016
Time
Event
09:00 – 09:10
Welcome
09:10 – 10:40
Regional Perspective: Focus on China
• Xiaolin Zhang and Dr. Liping Ku, Chinese Academy of Sciences
10:40 – 11:10
Coffee Break
11:10 – 13:00
Bridging Continent
• Daisy Selematsela, National Research Foundation, South Africa
• Kazu Yamaji, National Institute of Informatics, Japan
13:00 – 14:30
Lunch Break
14:30– 16:30
Promoting the Equitable Flow of Knowledge Across the Globe
• André Laperrière, Global Open Data for Agriculture and Nutrition (GODAN)
• Open discussion
16:30 – 17:30
Coffee & Poster Viewing
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REVENUES
Membership fees
Partner contributions
Third party funded projects
Fundraising/Other


If networked science is to reach its potential,
scientists will have to embrace and reward the
open sharing of all forms of scientific knowledge,
not just traditional journal publication.
Networked science must be open science.'
Michael Nielsen (OKF)
GODAN
Global Open Data
for Agriculture & Nutrition
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Old Apple


Programme
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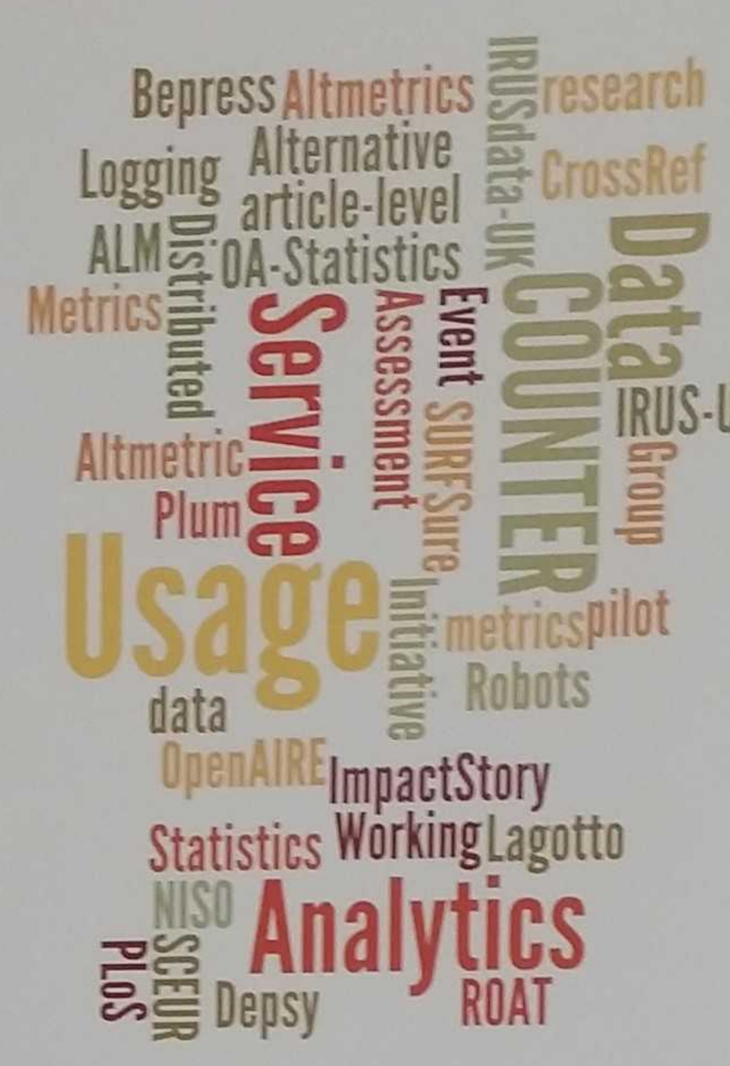
Current State of Metrics for Repositories

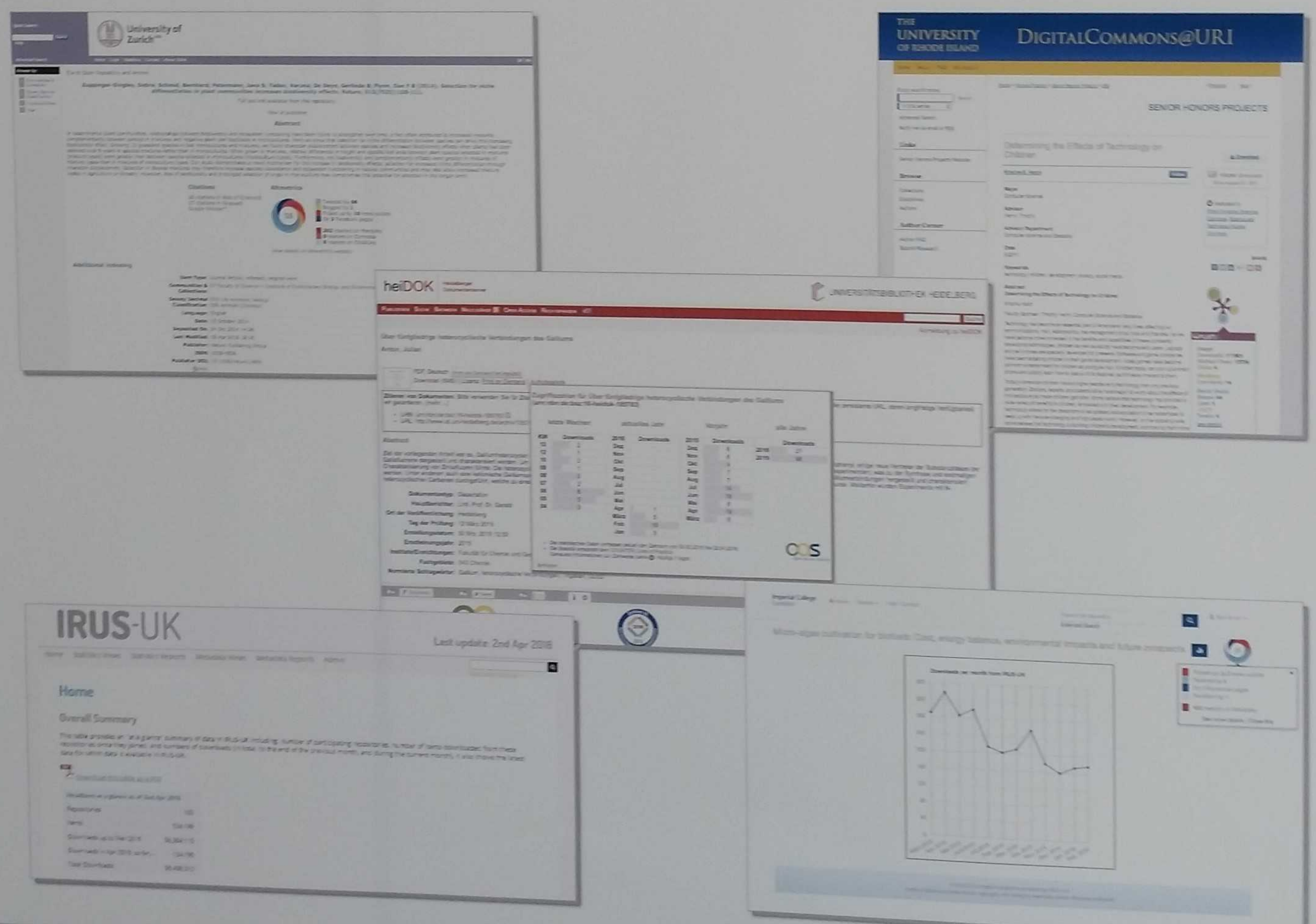
Interest Group “Usage Data and Beyond”

Currently, there is no comprehensive list of the range of article-level metrics available for repositories. COAR has formed an interest group “Usage Data and Beyond” that is undertaking a review of existing and emerging article-level metrics with the aim of identifying a common set of metrics that can be adopted across repositories, enabling the community to compare statistics across repositories.

There are various initial projects at national and international level for gathering and aggregating usage data from repositories. This group aims at collecting these – technical and organizational level – experiences in order to standardize the transfer protocol and data format. In addition, the group will keep in view the developments in alternative impact measurement.



Examples for Implementations of Usage Data and Altmetrics in Repositories



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Interest Group Leader

Daniel Beucke
Georg-August-Universität Göttingen, Germany
beucke@sub.uni-goettingen.de

Paul Needham
University of Cranfield, United Kingdom
p.a.needham@cranfield.ac.uk

how to develop a metadata profile with **agility**

http://www.rioxx.net

1. purposeful design

design to meet a goal

design for a **singe use-case**

- design for a singe use-case
- solve one problem well
- avoid 'feature creep'
- work closely with stakeholders

be **pragmatic**

- consult **software developers**

Dr Mari Williams, RCUK

The RIOXX guidelines offer clear and practical guidance to organisations wanting to attribute research outcome information to specific funders and research grants in their repositories

Dr Steven Hill, HEFCE

The RIOXX metadata application profile has been developed with input from HEFCE to help repositories to comply with the open access policy for the next REF. We support its uptake and use.

2. open development

develop openly

- consult publicly - not with email!
- think openly - "open notebook"

focus on implementation

- involve **software developers**
- support implementation

1	2	3	4	5
Separate fields for *Funder* and *ProjectID*, each separately is multi-value [1..n]	**Separate fields for *Funder* and *ProjectID*, each is separately multi-value [1..n] & ordering is significant**	**Composite field for *Funder* and *ProjectID*, together - field is multi-value [1..n]**	**Syntactically rich string containing *Funder* and *ProjectID components* - field is multi-value [1..n]**	**Globally unique projectID - funder can be dereferenced from this - field is multi-value [1..n]**
`funder` `funder` `...` `projectId` `projectId`	`funder (1)` `funder (2)` `...` `projectId (1)` `projectId (2)`	`funding` `funder` `projectId` `funding` `funder` `projectId`	`funder/projectId` `funder/projectId`	`funder/projectId` `funder/projectId`
proposed (a compromise but implementable in the timescale)	**not viable** (ordering easily broken in data exchange)	**attractive...** (may require some changes to input forms)	**fragile** (delimiters would need to be encoded where they appear in projectIDs - error prone)	**ideal** (but doesn't exist... yet. Even better would be a combination of 1 and 5, providing the funder name as a convenience)

Share this post:

22 Comments   RIOXX Website

Recommend   Share

Join the discussion...

Record	Validation Reports	Toggle Raw XML
ID: oai:eprints.lse.ac.uk:138 Datestamp: 2010-10-01	RIOXX Base RIOXX scheme designed for low-level interoperability This is not a valid RIOXX record	Raw XML

Property	Error
dc:identifier	Minimum of 1 value(s) required for dc:identifier - found 0 values
dc:title	Minimum of 1 value(s) required for dc:title - found 0 values
rioxxterms:author	Minimum of 1 value(s) required for rioxxterms:author - found 0 values

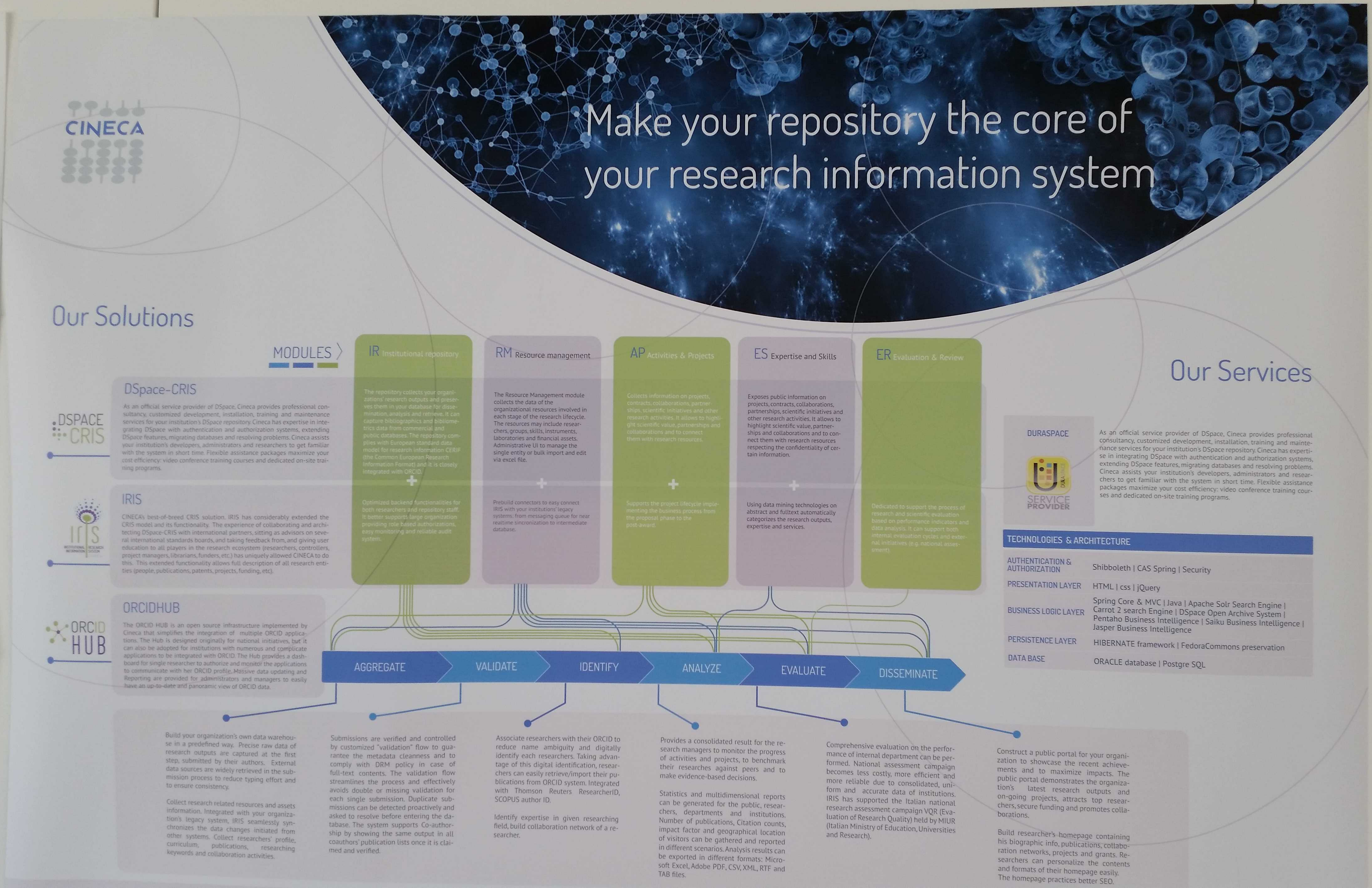

```
<?xml version='1.0' encoding='UTF-8'?>
<record>
  <header>
    <identifier>
      oai:eprints.lse.ac.uk:138
    </identifier>
    <datestamp>
      2010-10-01T08:40:52Z
    </datestamp>
    <setSpec>
      7365747330434F4C4C53:4C53455F435F454F
    </setSpec>
    <setSpec>
      73657473304345454E54524553:4C53455F5243
    </setSpec>
    <setSpec>
      7365747330444550505453:4C53452D4543
    </setSpec>
  </header>
  <metadata>
```


Software	Basic RIOXX?	Full RCUK?	Report
EPrints 3	Valid! (100%)	Invalid (0%)	Report
EPrints 3.1.2.1	Valid! (100%)	Invalid (0%)	Report
DSpace	Valid! (100%)	Valid! (100%)	Report
EPrints 3.2.2	Valid! (100%)	Invalid (0%)	Report
EPrints 3.3.10	Valid! (100%)	Invalid (0%)	Report
EPrints 3.1.2.1	Partial (99%)	Partial (1%)	Report
EPrints 3.3.12	Partial (97%)	Invalid (0%)	Report

3. continuous testing

test openly

- test known implementations
- test **frequently**
- test **automatically**
- make results **public**


CINECA
Make your repository the core of your research information system
Our Solutions
MODULES
IR Institutional repository
The repository collects your organizations' research outputs and preserves them in your database for dissemination, analysis and retrieve. It can capture bibliographics and bibliometrics data from commercial and public databases. The repository complies with European standard data model for research information CERIF (the Common European Research Information Format) and it is closely integrated with ORCID.
+
Optimized backend functionalities for both researchers and repository staff. It better supports large organization providing role based authorizations, easy monitoring and reliable audit system.
RM Resource management
The Resource Management module collects the data of the organizational resources involved in each stage of the research lifecycle. The resources may include researchers, groups, skills, instruments, laboratories and financial assets. Administrative UI to manage the single entity or bulk import and edit via excel file.
+
Prebuild connectors to easy connect IRIS with your institutions' legacy systems: from messaging queue for near realtime sincronization to intermediate database.
AP Activities & Projects
Collects information on projects, contracts, collaborations, partnerships, scientific initiatives and other research activities. It allows to highlight scientific value, partnerships and collaborations and to connect them with research resources.
+
Supports the project lifecycle implementing the business process from the proposal phase to the post-award.
ES Expertise and Skills
Exposes public information on projects, contracts, collaborations, partnerships, scientific initiatives and other research activities. It allows to highlight scientific value, partnerships and collaborations and to connect them with research resources respecting the confidentiality of certain information.
+
Using data mining technologies on abstract and fulltext automatically categorizes the research outputs, expertise and services.
ER Evaluation & Review
Dedicated to support the process of research and scientific evaluation based on performance indicators and data analysis. It can support both internal evaluation cycles and external initiatives (e.g. national assessment).
DSPACE CRIS
DSpace-CRIS
As an official service provider of DSpace, Cineca provides professional consultancy, customized development, installation, training and maintenance services for your institution's DSpace repository. Cineca has expertise in integrating DSpace with authentication and authorization systems, extending DSpace features, migrating databases and resolving problems. Cineca assists your institution's developers, administrators and researchers to get familiar with the system in short time. Flexible assistance packages maximize your cost efficiency: video conference training courses and dedicated on-site training programs.
IRIS
INSTITUTIONAL RESEARCH INFORMATION SYSTEM
IRIS
CINECA's best-of-breed CRIS solution. IRIS has considerably extended the CRIS model and its functionality. The experience of collaborating and architecting DSpace-CRIS with international partners, sitting as advisors on several international standards boards, and taking feedback from, and giving user education to all players in the research ecosystem (researchers, controllers, project managers, librarians, funders, etc.) has uniquely allowed CINECA to do this. This extended functionality allows full description of all research entities (people, publications, patents, projects, funding, etc).
ORCID HUB
ORCIDHUB
The ORCID HUB is an open source infrastructure implemented by Cineca that simplifies the integration of multiple ORCID applications. The Hub is designed originally for national initiatives, but it can also be adopted for institutions with numerous and complicate applications to be integrated with ORCID. The Hub provides a dashboard for single researcher to authorize and monitor the applications to communicate with her ORCID profile. Massive data updating and Reporting are provided for administrators and managers to easily have an up-to-date and panoramic view of ORCID data.
AGGREGATE
VALIDATE
IDENTIFY
ANALYZE
EVALUATE
DISSEMINATE
Build your organization's own data warehouse in a predefined way. Precise raw data of research outputs are captured at the first step, submitted by their authors. External data sources are widely retrieved in the submission process to reduce typing effort and to ensure consistency.
Collect research related resources and assets information. Integrated with your organization's legacy system, IRIS seamlessly synchronizes the data changes initiated from other systems. Collect researchers' profile, curriculum, publications, researching keywords and collaboration activities.
Submissions are verified and controlled by customized "validation" flow to guarantee the metadata cleanness and to comply with DRM policy in case of full-text contents. The validation flow streamlines the process and effectively avoids double or missing validation for each single submission. Duplicate submissions can be detected proactively and asked to resolve before entering the database. The system supports Co-authorship by showing the same output in all coauthors' publication lists once it is claimed and verified.
Associate researchers with their ORCID to reduce name ambiguity and digitally identify each researchers. Taking advantage of this digital identification, researchers can easily retrieve/import their publications from ORCID system. Integrated with Thomson Reuters ResearcherID, SCOPUS author ID.
Identify expertise in given researching field, build collaboration network of a researcher.
Provides a consolidated result for the research managers to monitor the progress of activities and projects, to benchmark their researches against peers and to make evidence-based decisions.
Statistics and multidimensional reports can be generated for the public, researchers, departments and institutions. Number of publications, Citation counts, impact factor and geographical location of visitors can be gathered and reported in different scenarios. Analysis results can be exported in different formats: Microsoft Excel, Adobe PDF, CSV, XML, RTF and TAB files.
Comprehensive evaluation on the performance of internal department can be performed. National assessment campaign becomes less costly, more efficient and more reliable due to consolidated, uniform and accurate data of institutions. IRIS has supported the Italian national research assessment campaign VQR (Evaluation of Research Quality) held by MIUR (Italian Ministry of Education, Universities and Research).
Construct a public portal for your organization to showcase the recent achievements and to maximize impacts. The public portal demonstrates the organization's latest research outputs and on-going projects, attracts top researchers, secure funding and promotes collaborations.
Build researcher's homepage containing his biographic info, publications, collaboration networks, projects and grants. Researchers can personalize the contents and formats of their homepage easily. The homepage practices better SEO.
Our Services
DURASPACE
SERVICE PROVIDER
As an official service provider of DSpace, Cineca provides professional consultancy, customized development, installation, training and maintenance services for your institution's DSpace repository. Cineca has expertise in integrating DSpace with authentication and authorization systems, extending DSpace features, migrating databases and resolving problems. Cineca assists your institution's developers, administrators and researchers to get familiar with the system in short time. Flexible assistance packages maximize your cost efficiency: video conference training courses and dedicated on-site training programs.
TECHNOLOGIES & ARCHITECTURE
AUTHENTICATION & AUTHORIZATION: Shibboleth | CAS Spring | Security
PRESENTATION LAYER: HTML | css | jQuery
BUSINESS LOGIC LAYER: Spring Core & MVC | Java | Apache Solr Search Engine | Carrot 2 search Engine | DSpace Open Archive System | Pentaho Business Intelligence | Saiku Business Intelligence | Jasper Business Intelligence
PERSISTENCE LAYER: HIBERNATE framework | FedoraCommons preservation
DATA BASE: ORACLE database | Postgre SQL

Current State of Metrics for Repositories

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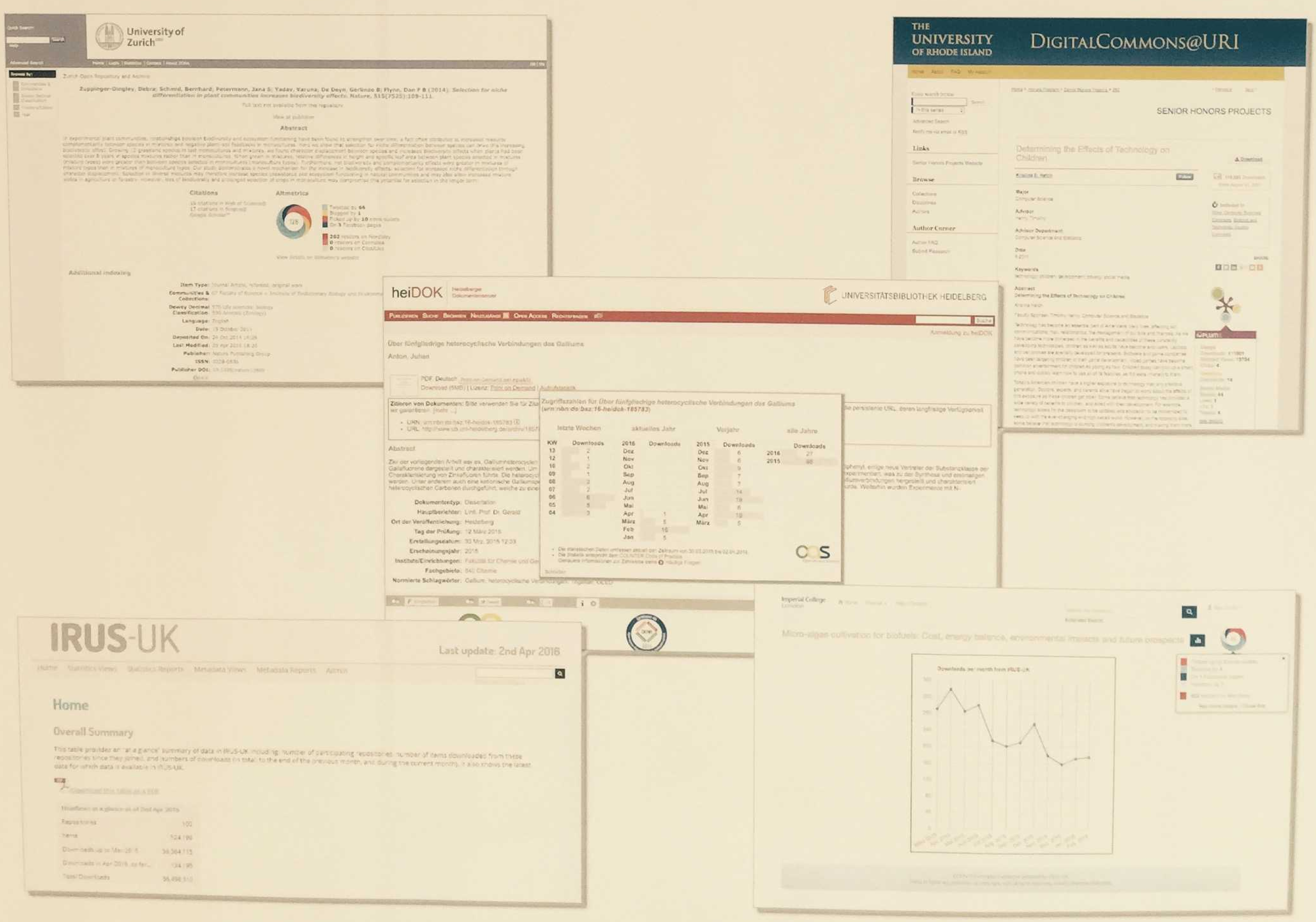

Open Peer Review

OPENNESS, TRANSPARENCY and INTERACTION in Scholarly Communication

- WHY: Open Review is a vital aspect of open science
- AIM: Use OpenAIRE infrastructure to seed experimentation
- METHOD: Fund small rapid-prototyping projects to:
  - Investigate how open review might integrate with OpenAIRE
  - Provide case studies for wider evaluation
  - Encourage technological experimentation

Open Peer Review can

Increase

- Accountability
- Reusability
- Incentive
- Quality
- Speed

Reduce

- Bias
- Elites
- Wasted effort
- Fraud / Fake Reviews

OpenAIRE 's Open Peer Review Experiments

open scholar

Enrich Existing Infrastructures

- OPR plug-in for (DSpace) repositories to convert them into functional evaluation platforms
- Enables the peer review of any research work deposited in a repository (incl. publications, data, code)
- Includes open reviews, disclosed identities, reviewer reputation system
- Complete open source code, with full documentation now on Github:
  - https://github.com/arvoConsultores/Open-Peer-Review-Module

OpenEdition

From Blogs to Publications

- Collaboration with the environmental sciences journal Vertigo
- Using the blog platform hypotheses.org for open review
- Using hypothes.is for open commentary
- Treating open review as a social rather than a technological problem
- Human mediation to:
  - Find reviewers and commentators
  - Explain processes and technical aspects
  - Advise authors and referees
  - Help maintain cordiality in debate

the WINNOWER

Incentivizing Post-Publication Peer Review

- Make "journal club" post-publication peer reviews public
- Elevate reviews to the same level as original research
- Make them citeable (through assignment of DOIs)
- Preserve them for the long-term (via CLOCKSS)
  - Measure impact via article-level metrics
  - Investigate integration with Zenodo
  - Use the open-source tool Terrier to retrieve metadata

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https://vimeo.com/openaire
blogs.openaire.eu/
linkedin.com/groups/OpenAIRE-3893548
natalia@di.uoa.gr
OpenAIRE