UK RepositoryNet+

UKRepNet Use Cases: an Overview

UKCoRR Meeting

Teesside University Middlesbrough
9th November, 2012
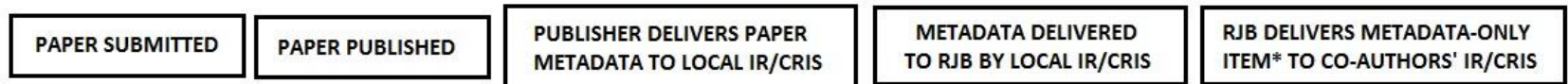
Pablo de Castro

JISC

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1. Overview of *future* RepNet services

2. Just preliminary descriptions (out of design board)

3. Aim: validation of user requirements
   (+ feedback from survey)

4. Different levels of priority/technical challenge

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• **Dashboard offers information on *degree of progress* of funded Project outputs (mainly research articles) along their way *towards being made available Open Access*.**

•**A tool for monitoring *rates of compliance for funders' OA policies* as part of wider remit to track OA outputs and payments.**

DATA-DRIVEN INFORMATION WORKFLOW

| PAPER SUBMITTED | PAPER PUBLISHED | PUBLISHER DELIVERS PAPER METADATA TO LOCAL IR/CRIS | METADATA DELIVERED TO RJB BY LOCAL IR/CRIS | RJB DELIVERS METADATA-ONLY ITEM* TO CO-AUTHORS' IR/CRIS |

* default case, can be full-text item for Gold OA

THE DASHBOARD

| | SUBMITTED | PUBLISHED | EMBARGOED | AVAILABLE OA |

Research article 1
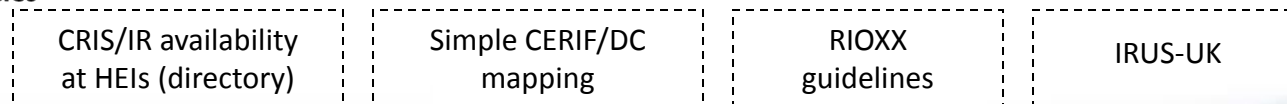Research article 2
Research article 3
Research article 4
Research article 5

ITEM EMBARGOED

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

FULL-TEXT PAPER AVAILABLE OA

Dependencies

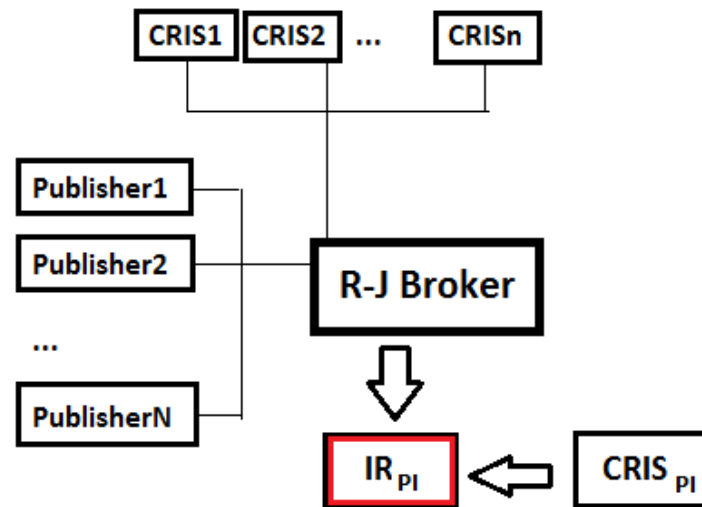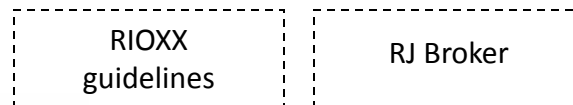| CRIS/IR availability at HEIs (directory) | Simple CERIF/DC mapping | RIOXX guidelines | IRUS-UK | Aggregation |

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• **A tool for monitoring the *increase in deposit rates* resulting from automated item ingest strategies coming into service, and specifically the rate of manually ingested deposits by authors or supporting services versus the rate of automatic ones.**

• **Requires harmonisation on automatic assignment of metadata field values by depositing services such as RJ Broker (or CRIS-pushed deposit mechanisms)**
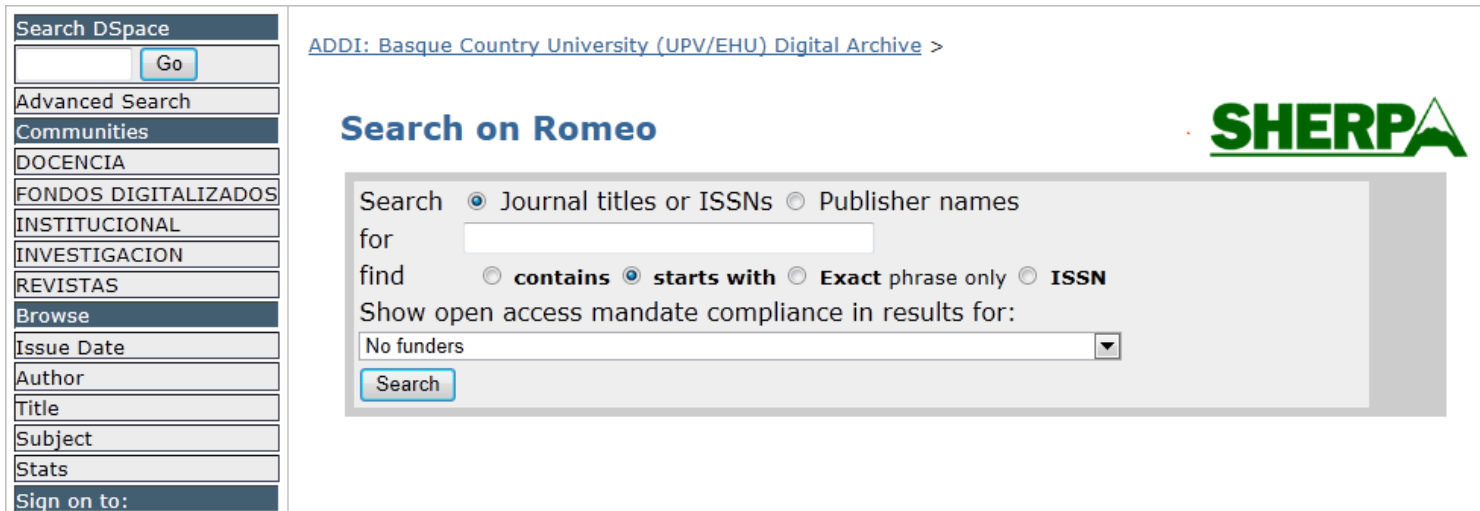
Dependencies

RIOXX guidelines	RJ Broker

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• **A tool to to simultaneously provide the information related to both publisher and funder policies in a machine-readable, machine-executable way.**

•**Allows for automated deposit to meet publishers' policy for journals plus funder mandates**

Dependencies

SHERPA RoMEO	SHERPA JULIET	RJ Broker

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• **Aims to provide the means to fill in the gaps in a given IR metadata collection (DOIs, Funder/Grant info, Author IDs, etc) for ensuring adoption of the RIOXX Guidelines.**

• **Some of the metadata enhancement services will be automatically delivered to IR managers and platforms, whereas others will be locally implemented following guidelines delivered by the RepNet**

RepNet Metadata Enhancement Suite

- DOI collection
- Funder/Grant info collection
- Author ID - ISNI/ORCID
- RIOXX Validation
- Item provenance
- Preservation-related info
- De-duplication
- …

Dependencies

RIOXX guidelines	External Services (eg CrossRef)	Aggregation

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• **Proposal for balancing IT support levels across the repository network: EPrints-based IRs have repository hosting services plus EPrints Bazaar Store for add-ons, DSpace-based ones have no such thing.**

• **Gradual approach in service developing. Wide opportunities for harmonisation and cost-efficiency**

DSpace IT Support Hub

SWORD endpoint availability/config
OpenAIRE compatibility
DSpace 3.x CRIS add-on?

plus implementation of previous RepNet use cases:
  - RoMEO/JULIET API
  - Metadata Enhancement Suite

Dependencies

RJ Broker	RIOXX guidelines	RoMEO/JULIET API	RME Suite

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• **Not aggregation 'per se', but as a component to establish a service layer on top of it.**

• **Different services serving a wide range of stakeholders: metadata validation, benchmarking and reporting (IR managers), faceted search (funders), metadata profile implementation (infrastructure providers), indexing (researchers)…**

Services to build on top of (metadata) aggregation

- Search
- Indexing by search engines (middleware)
- Metadata validation/enhancement (linked to RME Suite)
- Reporting: cross-institutional dashboard
- De-duplication
- British Cream of Science?
- …

Dependencies

| RIOXX guidelines | Aggregator (RepUK or other) | IRUS-UK |

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1. Are these services useful?

2. Any specific use case priorities?

3. Are there any missing strands?

4. Do you agree IRs may play a critical role at institutional level in the post-Finch landscape?