

International Repository Workshop (Amsterdam, Mar 16-17, 2009): The Repository Handshake - a followup

International Repositories Workshop



Radisson SAS Hotel, Amsterdam

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"An international agenda for action on repositories infrastructure"

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**CERN workshop on Innovations in
Scholarly Communication (OAI6)**
June 18th, 2009, Geneva

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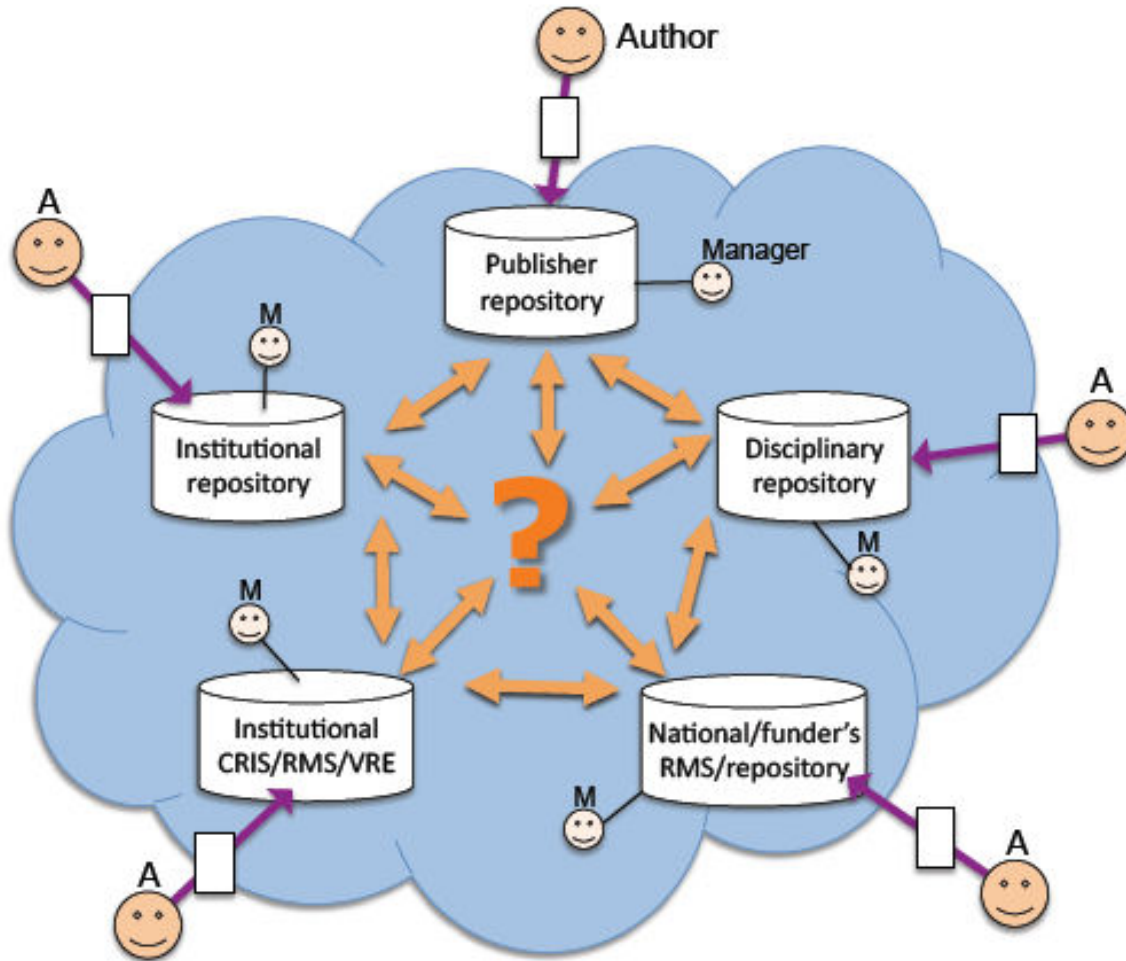
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«Enabling a Repository Handshake concept model for deposit and exchange of metadata+digital objects»

Two main lines of progress:

- **Technical problem analysis.** To be performed at genre level within a loosely e-Framework-inspired conceptual architecture (landscape+construction). Gap analysis to be carried out on the whole repository interoperability: examination of verbs/operations within the repository world: *issue* + *deposit/ingest* + *notify* + *exchange* (push/pull).
- **Use case exemplars.** Growing number of JISC- or other partners-funded projects focusing on populating repositories: SWORD, EM-Loader, the Deposit Plait, the PEER project, the MSR Article Authoring Add-in. Wide set of deposit opportunities to be identified, resulting in proposals for cooperative development + implementation possibilities [the ‘champion’ strategy].



Verbs involved:

- Issue
- Ingest
- Notify
- Transfer
- Get
- Read

Repository Handshake (actor-based) use case scenarios: a summary

General default option: multi-authored, multi-institutional journal article
Use case Actor 1: Individual author/researcher
Variant 1b: where the author making the deposit is the PI of funded research project (need for compliance with mandate from funder to deposit)
Variant 1c: the author making the deposit is not the PI of funded research project but the work being deposited is associated with one or more funded research projects (and one or more PIs)
Use case Actor 2: Depositor (not author) – Delegated deposit (the 'brown parcel problem')
Variant 2b: Mediated by an actor directly reporting to the author
Variant 2c: Mediated by another institutional agent – eg library
Use case Actor 3: Institutional/Departmental Research Support Systems (CRIS/RMS/VRE systems)
Use case Actor 4: Libraries Potential depositors of their own resources and document collections

<p>Use case Actor 5: Repository Manager (RM) of an IR, wishing to be notified and obtain copy from a subject (SR) or institutional repository (IR)</p>
<p>5a: Search of SR1 (and many such subject repositories) hoping to obtain a document set of works relating to authors at their institution, either to extract metadata with links to full content, or to harvest that content <i>RM (SR1) could notify RM(IR1) [maybe broadcast to many RM(IRj)] that s/he has works for Institution j</i></p>
<p>5b: Search of IR2 (and IR-many) hoping to obtain a document set of works relating to authors at their institution, either to extract metadata with links to full content, or to harvest that content <i>Notification to RM(IR2) [maybe broadcast to many RM(IRj)] that s/he has works for Institution j</i></p>
<p>Use case Actor 6: Publisher</p>
<p>Publishers assisting with:</p> <ul style="list-style-type: none"> a) OA deposit of the author's final copy (PEER project) b) OA to published copy c) Supply of pointers (DOIs)
<p>Use case Actor 7: Developer/vendor of authoring software</p>
<p>Use case Actor 8: Repository software developer/vendor</p>
<p>Use case Actor 9: Funding bodies/Policy bodies/Repository community</p>

The task: designing a plan for getting selected use cases developed + implemented (in an automated manner where possible).

The selection:

- Funder-mandated deposit
- CRIS/RMS/VRE systems
- Publisher

RH Use case selection:

- **Funder-mandated deposit**, as a way of ensuring proper identification and deposit of all materials affected by the mandate. Rise in mandate compliance as a clear success indicator
[Proposed partner institution: EDINA – Repository Junction]
- **CRIS/RMS/VRE systems** (at institution or national levels) as source of complete sets of publications whose deposit should be automated via previous definition of suitable metadata standards.
[Proposed partner institutions: TCD, DTU]
- **Publisher** – some actors from the publishing industry seem already keen to participate as partners (not just at the PEER project) as a way of finding their way in the new landscape of scientific communication.
[Proposed partner: NPG + others (Springer)]

- Further analysis of selected use case exemplars - in cooperation with interested partners
- One 1st use case for establishing methodology
- Gap analysis
- Level of granularity / subsidiarity

- **Sep 2009** – first use case analysis
(deliverable: a two-page report on development opportunities)
- **End of 2009:** gap analysis and complete study of all selected use cases

Further questions, contributions?