A staged path to a fully integrated CRIS & Repository

Ben Summers, Haplo
Jenny Evans, University of Westminster

haplo.com/repository

Haplo

Haplo Repository

UNIVERSITY OF WESTMINSTER

Haplo

Back in 2013...

Haplo Repository

Built an interesting information management platform and was looking for a practical use for it

UNIVERSITY OF WESTMINSTER

Wanted to support researchers with a Virtual Research Environment

University of Westminster research management tools to be replaced

Graduate School

- Student records
- Forms
- Emails
- Spreadsheets

Ethics

- Forms
- Emails
- Spreadsheets

Funding

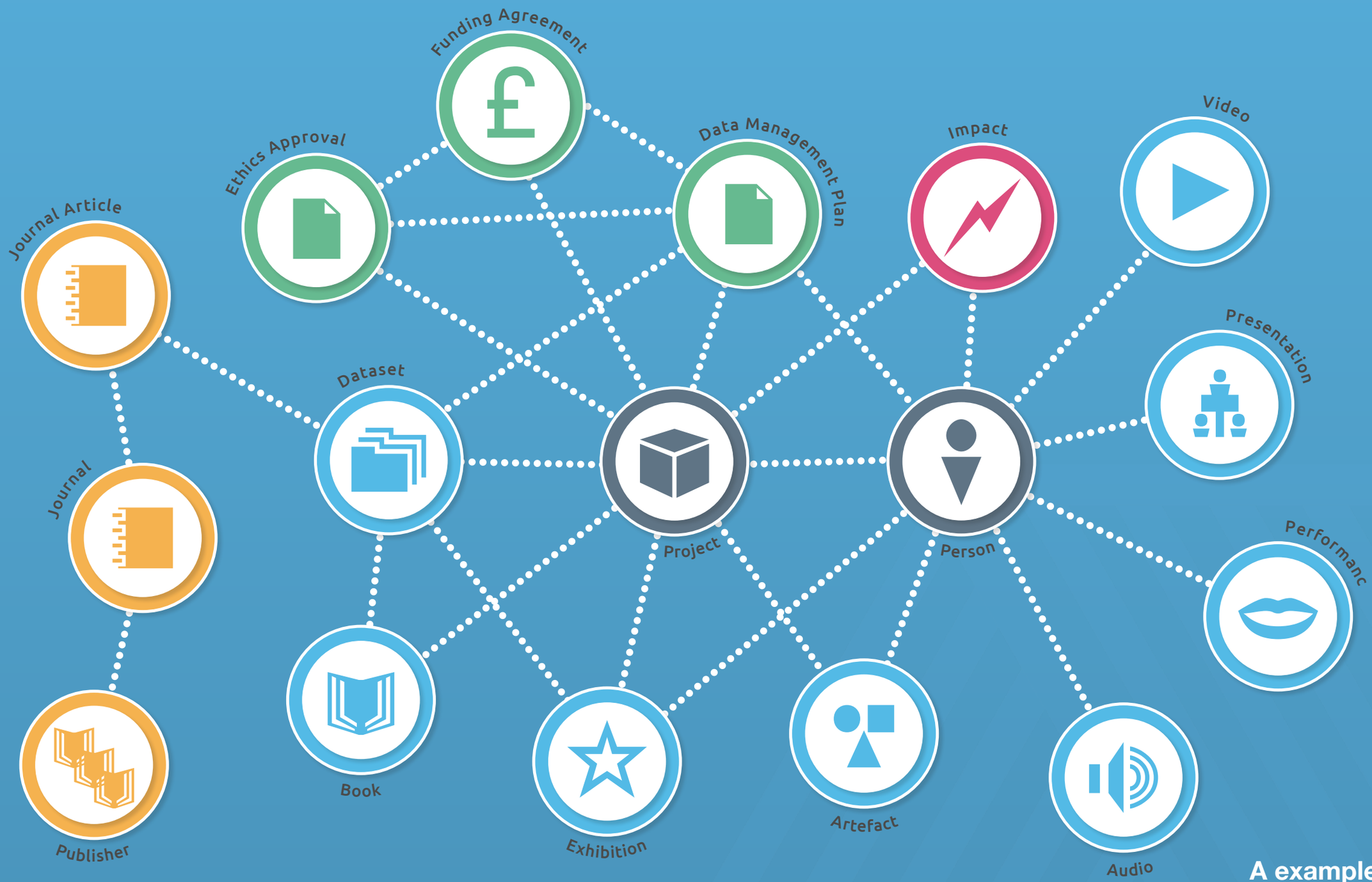
- Sales Force
- Forms
- Emails
- Spreadsheets

Repository

- Legacy repo
- Emails
- Web profiles CMS

Haplo

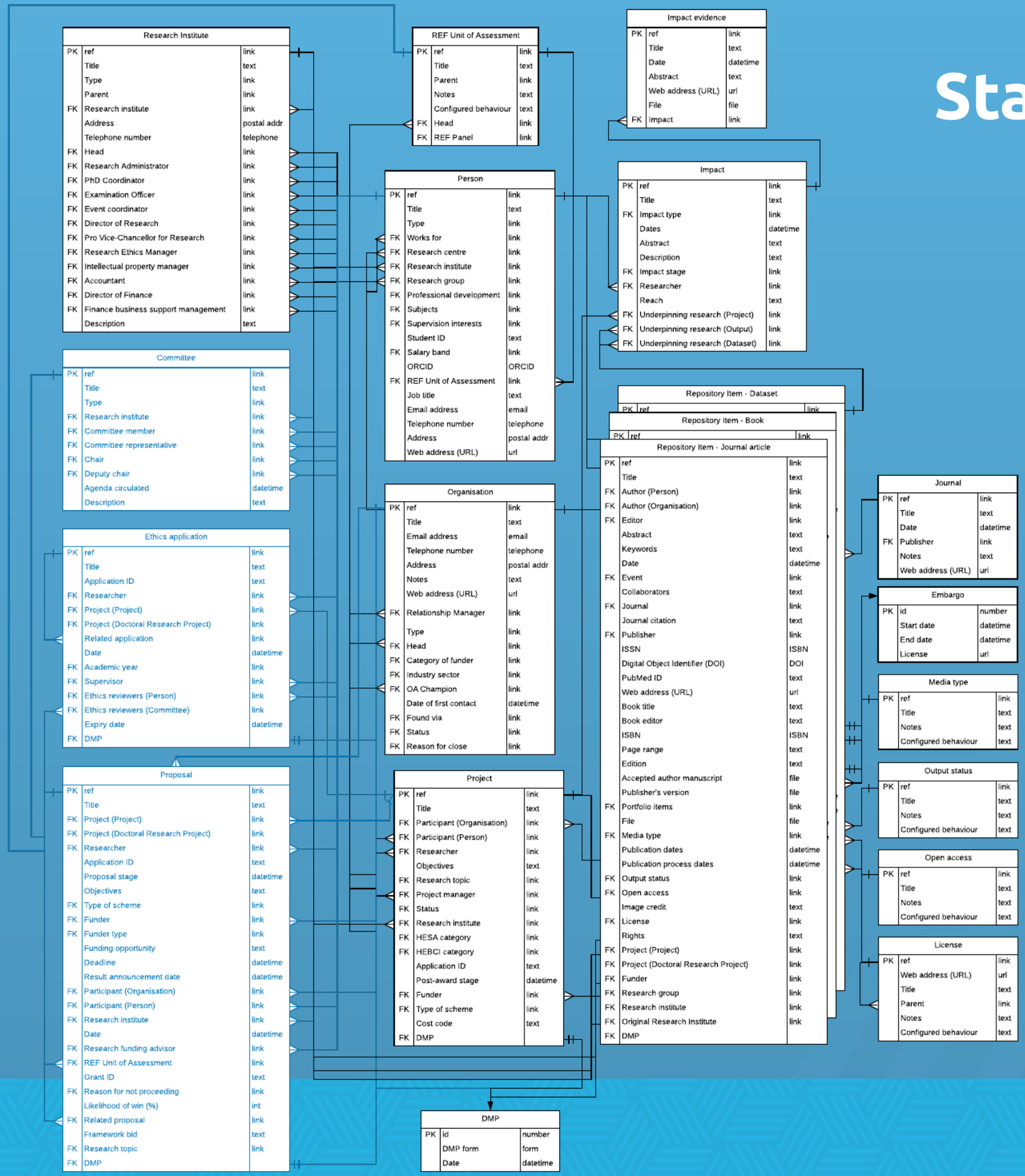
Identifying the many different record types



A example selection

Haplo

Start with a data model map



Haplo

Metadata capabilities (1)

- **Pervasive multi-values**
  - All attributes are multi-value, and using multi-values works with all Haplo features.

- **Qualifiers**
  - All attributes can be qualified (like Fully Qualified Dublin Core).

- **Links as primary data type**
  - Model every "noun" as a type, then link from records instead of using free text. Eg Authors have their own record, and Outputs link to authors. Allows 'data once' (eg ORCiD iD on Author goes on all outputs) and easy querying. Used as much as possible, eg Projects, Publishers, Funders, Journals, Licenses, Subject, Open Access, File access levels, ...

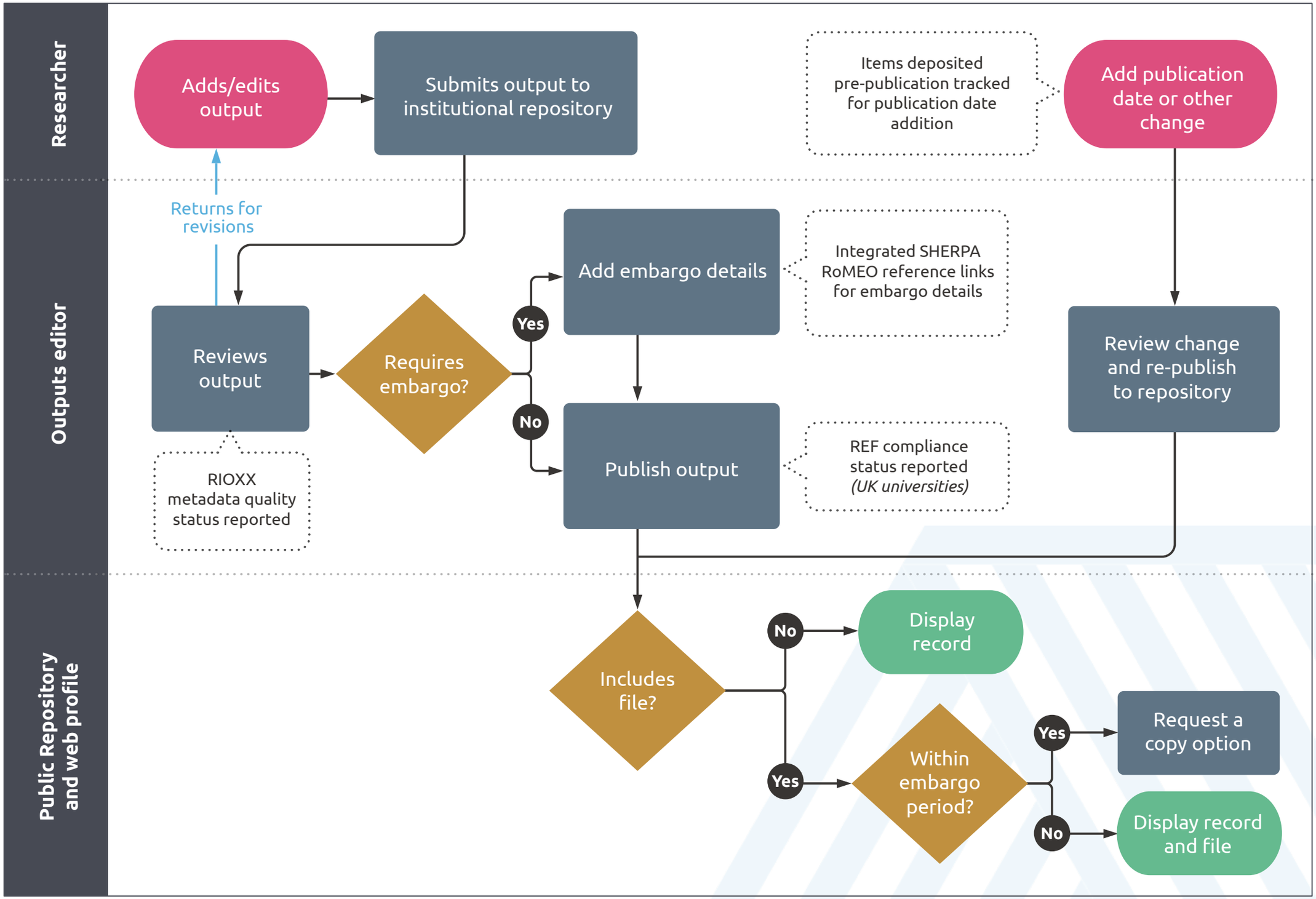
Metadata capabilities (2)

- **Hierarchy support for links**
  - Enables taxonomies, organisational structure, etc.

- **Pluggable data types**
  - Some data types need special logic and display. Plugins can define special types, eg DOI, Author Citation, ORCiD iD, ...

- **Computed attributes**
  - Derive metadata from other records in the CRIS, using custom logic. Eg Department is computed from department attribute of author at time of deposit.

- **Aliasing attributes**
  - Use same underlying attribute for consistency and discoverability, but display and metadata crosswalk to appropraite name for the output. Eg Author (text) aliases to Creator (non-text).


Researcher
Outputs editor
Public Repository and web profile
Adds/edits output
Submits output to institutional repository
Items deposited pre-publication tracked for publication date addition
Add publication date or other change
Returns for revisions
Reviews output
Requires embargo?
Yes
No
Add embargo details
Integrated SHERPA RoMEO reference links for embargo details
Publish output
REF compliance status reported (UK universities)
Review change and re-publish to repository
RIOXX metadata quality status reported
Includes file?
No
Yes
Display record
Within embargo period?
Yes
No
Request a copy option
Display record and file

Haplo

Permissions

- Many users
- Rights apply at organisation unit, project, …
- Change over time

- Label records
- Roles determined by metadata

Prepare files for release

Home

University of Example

Humanities

Media

Science and Technology

Committees

Upcoming meetings

REF Units of Assessment

Calendar

Using this demo

Select files for release from those that have been previously prepared, and/or upload newly prepared files appropriate for this application's audience.

Select	File	Audience	Action	Comment
☐		External	Anonymised	Fully anonymised dataset.

Newly prepared files

Drag files here or choose file...

Suitable for *

-- select --

Preparation action taken *

-- select --

Comment

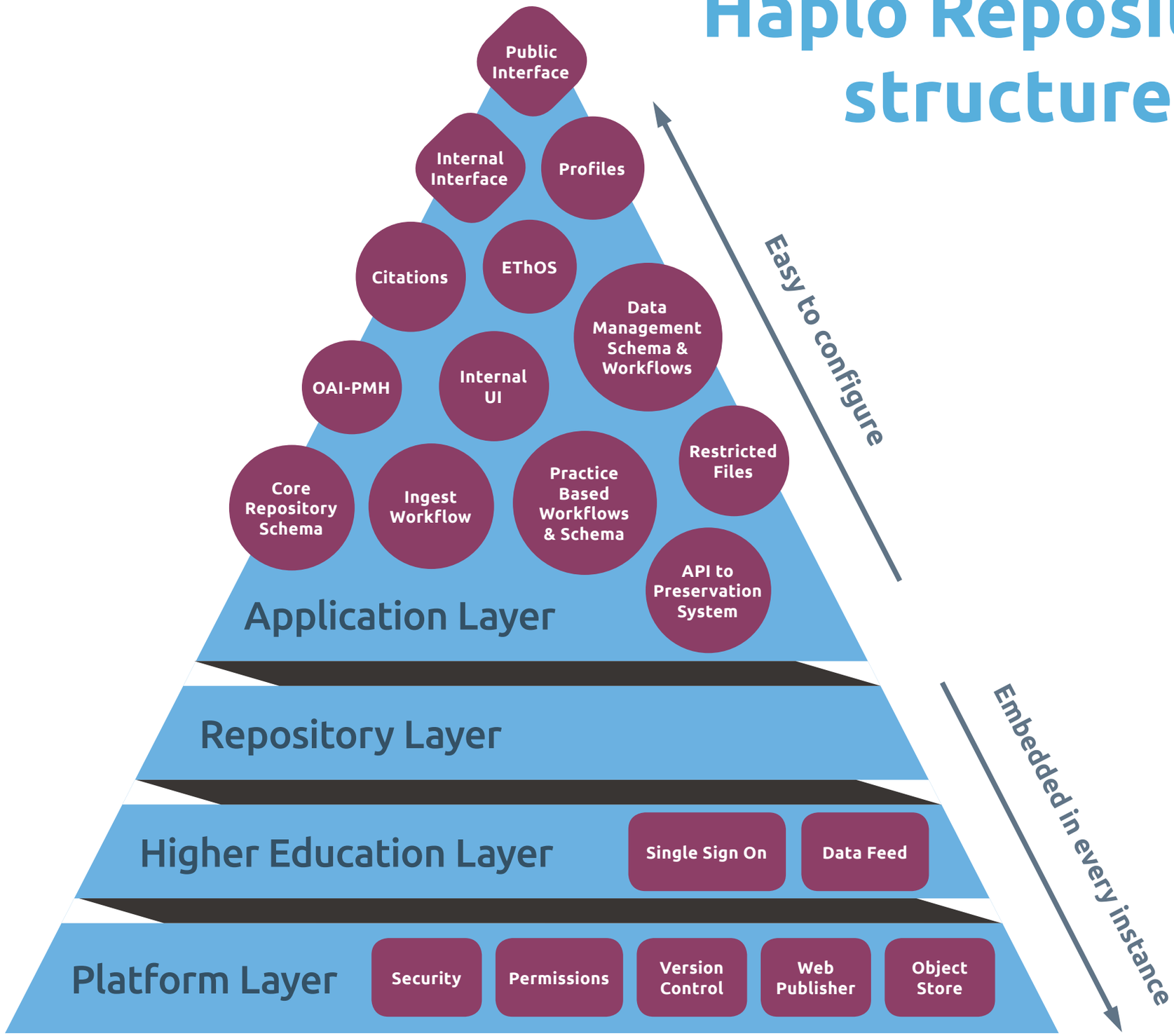
Submit

Building blocks for a CRIS + Repository

1. Data model
2. Workflows
3. Permissions
4. User experience & interface

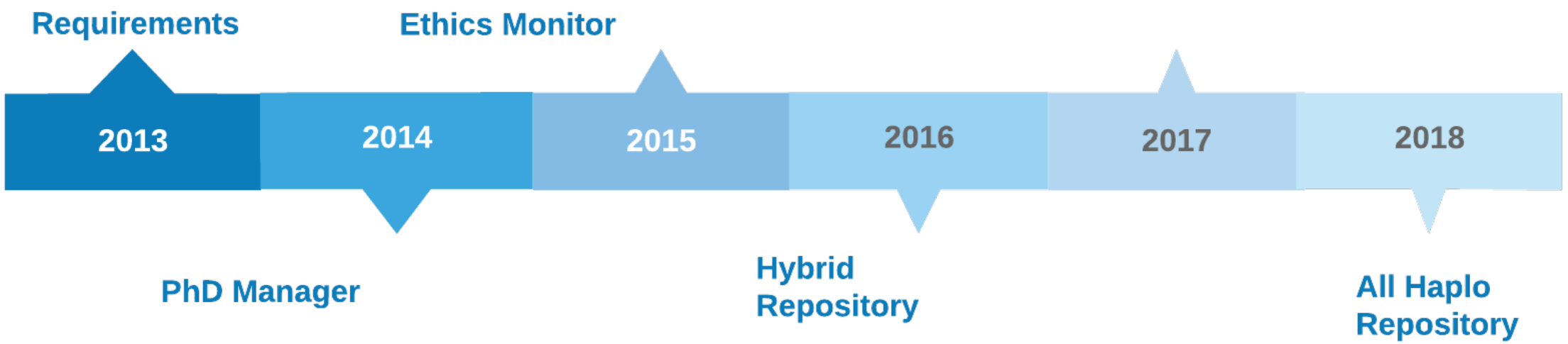
Haplo

Haplo Repository structure



Haplo

Timeline of University of Westminster project



Haplo

Moving repository: benefit v risk

Benefits

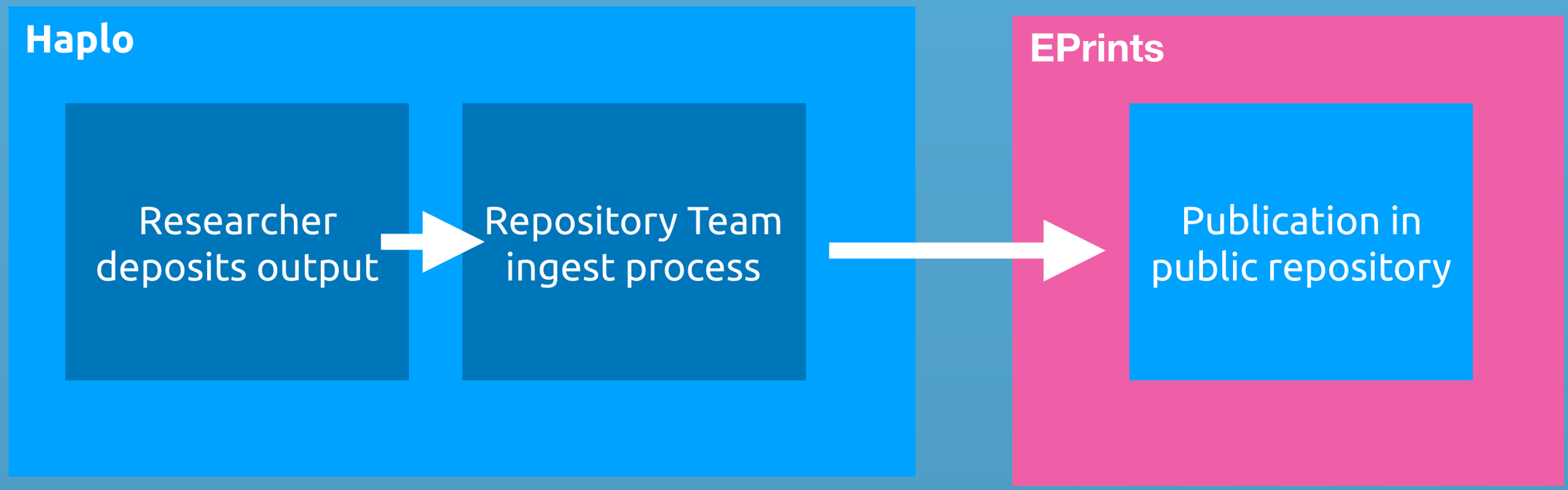
- Self-deposit
- User engagement
- Workflow support
- Better support for practice-based research
- Easier REF submission
- Control over public interface design
- Improved author identification
- One supplier

Risk

- Not being able to submit REF return
- Moving away from a repository system ‘trusted by all universities’
- Loss of access to EPrints community and developments
- Drop in Google rankings

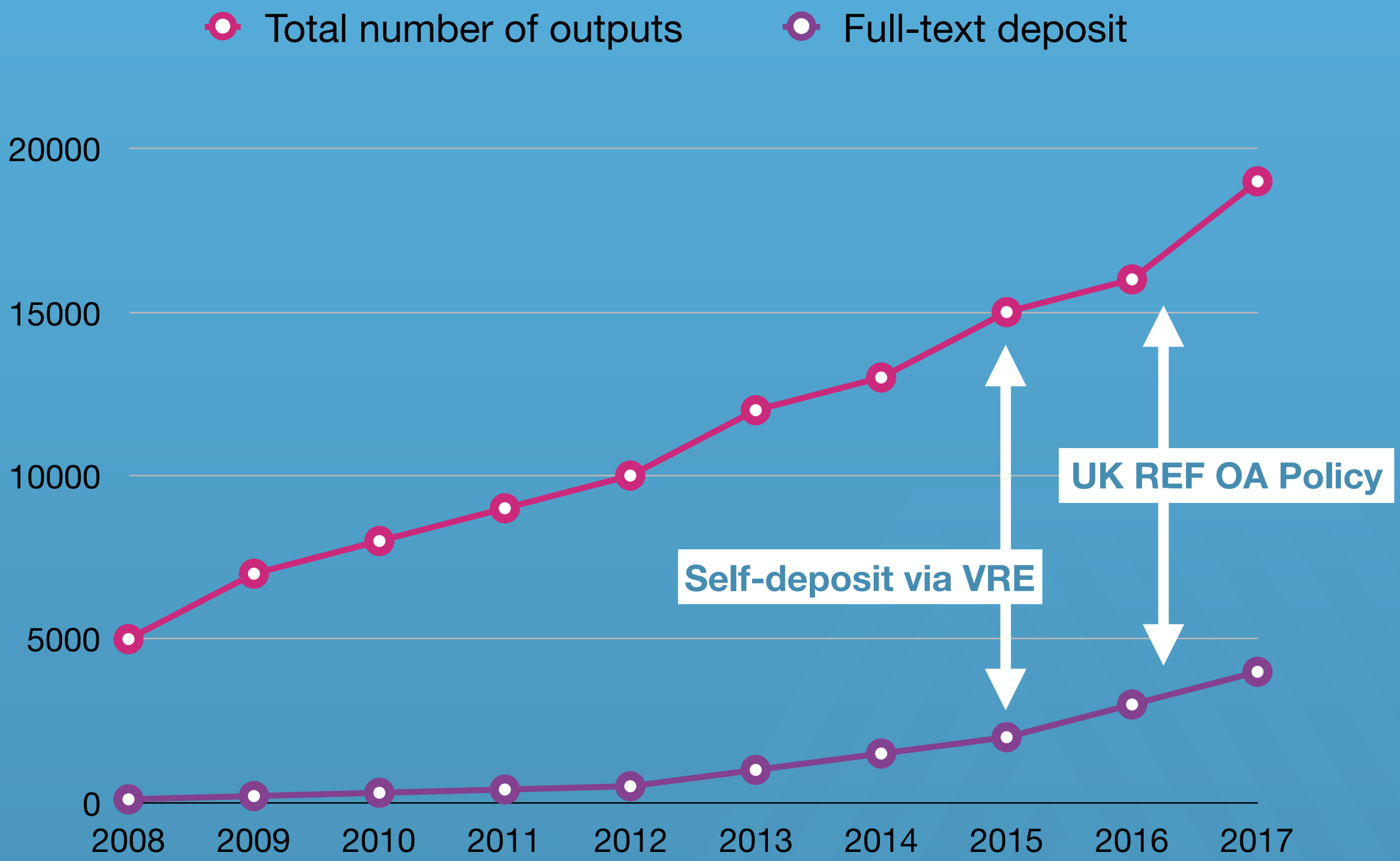
Haplo

Hybrid repository diagram



Haplo

Increase in self-deposit after moving to hybrid repository



Haplo

Challenges supporting a hybrid repository

- Limited metadata model
- Dated public interface
- Couldn’t take advantage of the potential to better support practice-based research
- Couldn’t move forward with support data management

Haplo

Moving to an all-Haplo Repository

Jenny Evans, University of Westminster

J.Evans2@westminster.ac.uk

Haplo

Building a business case to move towards an all Haplo-Repository

- Success, in other areas of VRE research administration built credibility
- Haplo continued to extend repository functionality
- Internal university discussions focussed on mitigating risks - and the risks of not moving were highlighted
- More university clients were choosing Haplo which helped to build confidence

WestminsterResearch

The online repository of research outputs from the University of Westminster's academic community.

Find researchers and their research... Search

WestminsterResearch makes information about thousands of publications (many accompanied by the full text or a link to the full text on the publishers website) available through open access.

If you would like to know more about WestminsterResearch or are interested in submitting research outputs, please see: **Open Access: WestminsterResearch** or contact **repository@westminster.ac.uk**.

Latest additions

Reinventing Europe: The History of the European Union, 1945-2015

Seidel, K. and Leucht, B. 2020. *Reinventing Europe: The History of the European Union, 1945-2015.* London Bloomsbury.

Reading Experimental Writing

Colby, G. (ed.) 2020. *Reading Experimental Writing.* Edinburgh University Press.

Collaborating with Claude Cahun: Between

‘You don’t know what nights are like?’ – collection of public art projects

Tabrizian, M. 2016. *‘You don’t know what nights are like?’ – collection of public art projects.*

SHOW MORE

CREATORS	Tabrizian, M.
DESCRIPTION	This is a series of major billboard projects commissioned by the ‘Art on the Underground’ (initially as a response to the launch of the night trains), entitled ‘You don’t know what nights are like?’. They focus on night - time workers, with a number of interviews made with those who work between 8 to 12 hour night shifts -some have been doing so for over 16 years. Using ‘fragments’ of their stories, the text attempts to depict ‘interiority’, i.e. the interior emotional states of the individuals, their resilience, and the sense of being on the ‘other side’. The images take a more abstract approach to the portrayal of the people who live on the margin and remain invisible. Set early in the morning, a lone figure is walking in a deserted landscape, almost rural with overgrown vegetation - and yet, there are street lights, a rubbish bin, and a train line in the background. The gloaming sky is an allegory of transition, of crossing over. The boundary of rural and urban, of day and night, create a landscape of

445

Total views: 1145

Total downloads: 212

Views this month: 22

Downloads this month: 12

Haplo

Portfolio

Transforming the University of Westminster Repository

Evans, J., Renner, T. and Tribble, P. 2019. *Transforming the University of Westminster Repository.*

CREATORS	Evans, J., Renner, T. and Tribble, P.
YEAR	2019
FILE	Screen Shot 2019-01-15 at 12.18.25.png

Collection items

Keeping Data Safe: how to implement a secure repository

Evans, J., Renner, T. and Tribble, P. 2018. Keeping Data Safe: how to implement a secure repository. Repository Fringe 2018. Royal Society of Edinburgh, Edinburgh 02 - 03 Jul 2018

Identifying the Different People and Systems Involved and Potential Areas for Risk

Evans, J. 2018. Identifying the Different People and Systems Involved and Potential Areas for Risk. Repository Fringe 2018. Royal Society of Edinburgh, Edinburgh 02 - 03 Jul 2018

Implementing a next-gen repository mid-REF cycle…madness or a stroke of genius?

Evans, J. 2018. Implementing a next-gen repository mid-REF cycle…madness or a stroke of genius? Repository Fringe 2018. Royal Society of Edinburgh, Edinburgh 02 - 03 Jul 2018

Haplo

Benefits of an All-Haplo Repository and fully integrated CRIS & Repository

- User engagement
- Workflow support
- Better UK REF management
- Improved public interface
- Flexibility to be able to adapt to future requirements more readily
- Single supplier
- Non-text outputs & portfolios
- Datasets

“We have already received our first request using the ‘request a copy’ functionality for a file under temporary embargo. The author was happy to share, but wasn’t aware until she received the request that this was permissible. She now knows she can do this, and also that someone is interested in her work.”

Nina Watts
Open Access and Repository Advisor
University of Westminster

Haplo

“It is rare that we can deliver a hugely improved user experience whilst making a significant budget saving - this implementation has resulted in both.

This has been a great opportunity to work as a partner with Haplo on developing a cutting edge repository that addresses many of the challenges which the sector faces. ”

Caroline Lloyd
Director, Student and Academic Services
University of Westminster

Haplo

Looking to the future

- Advantages of integrated research management support in one system

  - Data management planning
  - Reporting
  - REF administration

Thank you

Ben Summers, Haplo
ben.summers@haplo.com

Jenny Evans, University of Westminster
evansje@westminster.ac.uk

Haplo