

Systems Integration for Open Access and Data Services

Rosie Higman and Agustina Martínez

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- The problem...
 - Open Access and Data submissions
 - Reporting: funders, HEFCE, REF
 - Disconnected systems
- Integrated solution
 - Pilot Overview
 - Connected systems
 - Benefits
- Questions

The problem...

OSC

OA publications

In-house submission form
Manual deposits into the repository



Research datasets

External submission form
Manual deposits into the repository



HEFCE/REF reporting

Publications and grants
entered into Elements (CRIS)



Reporting to funders

Outputs and grants information
entered into Researchfish

OA publications

'on acceptance' deposits.
Complex, manual workflow



- Researchers submit articles via our in-house system
- OA team interacts with researchers via our helpdesk system
- OA team performs mediated, manual deposit in the institutional repository

Research datasets

Datasets supporting publications
Complex, manual workflow.



- Researchers submit data via one system, hosted externally
- Data team interacts with researchers via our helpdesk system
- Data team performs mediated, manual deposit in the institutional repository



HEFCE compliance / REF reporting

Publications and grants
Entered into Elements (CRIS)

- Duplicated effort for researchers as they need to:
 - enter their OA publications in Symplectic as well
 - Link them to grants
- There is no link between OA publications in the repository and the same publications in Elements

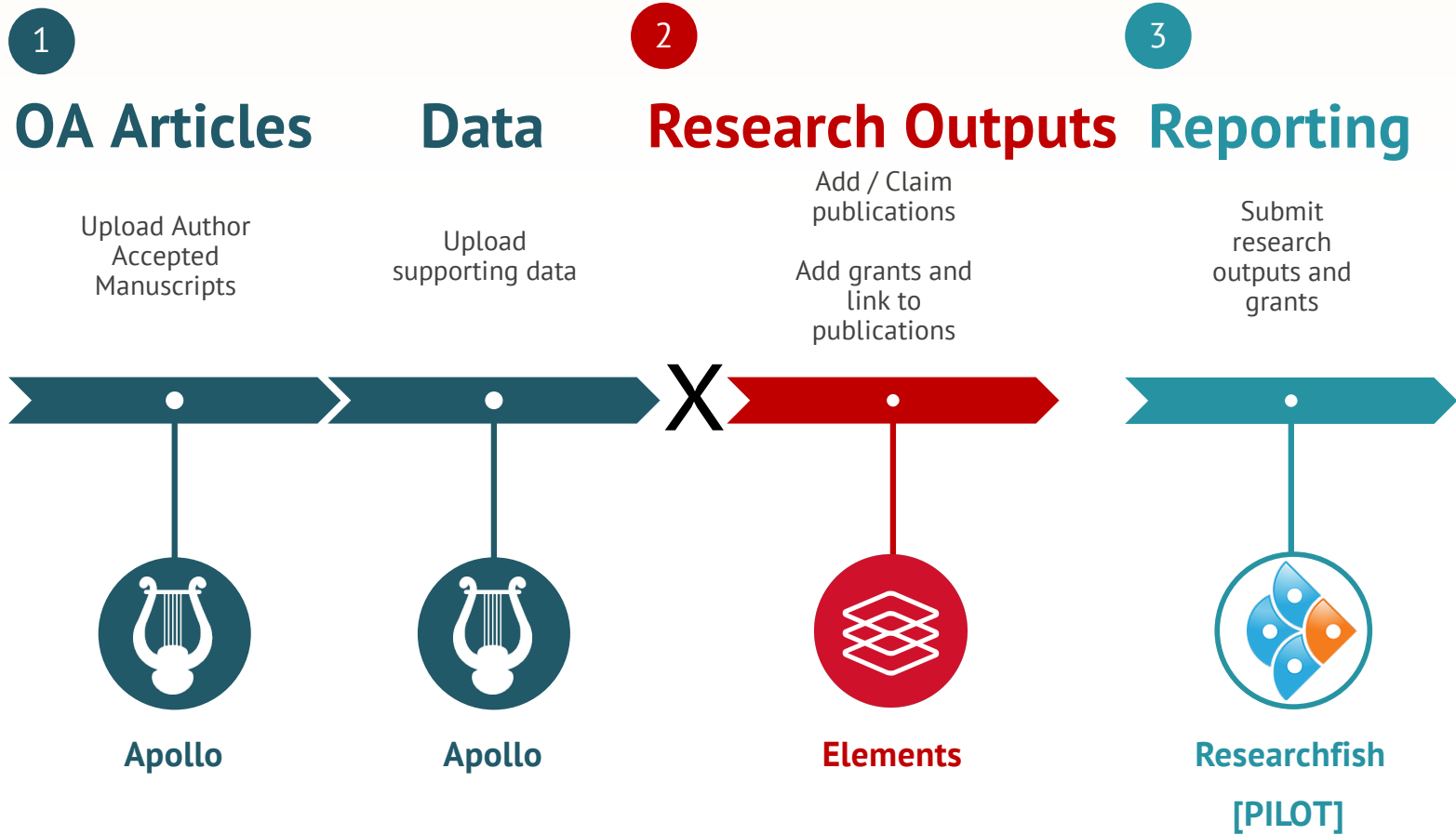


Reporting to funders

Outputs and grants information
Entered into Researchfish

- We are one of the pilots involved in the 'Researchfish interoperability' project
- Publications and grants information in Elements will be pre-loaded into Researchfish

Academics workflow (disconnected systems)



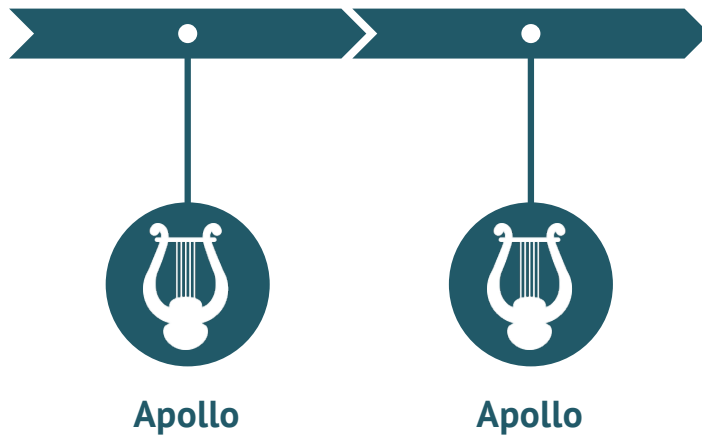
1

OA Articles

Data

Upload Author
Accepted
Manuscripts

Upload
supporting data



- Limited reporting owing to the repository structure
- Associating academics with their publications is highly difficult (i.e. we do not have an author registry in the repository)
- Very manual workflows (updating publications, linking datasets to publications, etc.)
- Researchers have to access a range of disconnected systems

2

Research Outputs

Add / Claim
publications

Add grants and
link to
publications



Elements

- Publications duplication
- Complex, time-consuming reporting (i.e. data from Elements and the repository need to be matched manually)
- Difficulties with compliance reporting (i.e. accounting for multi-departmental collaborations)
- Researchers need to enter the publication information twice (Elements and the repository)

3

Reporting

Submit
research
outputs and
grants

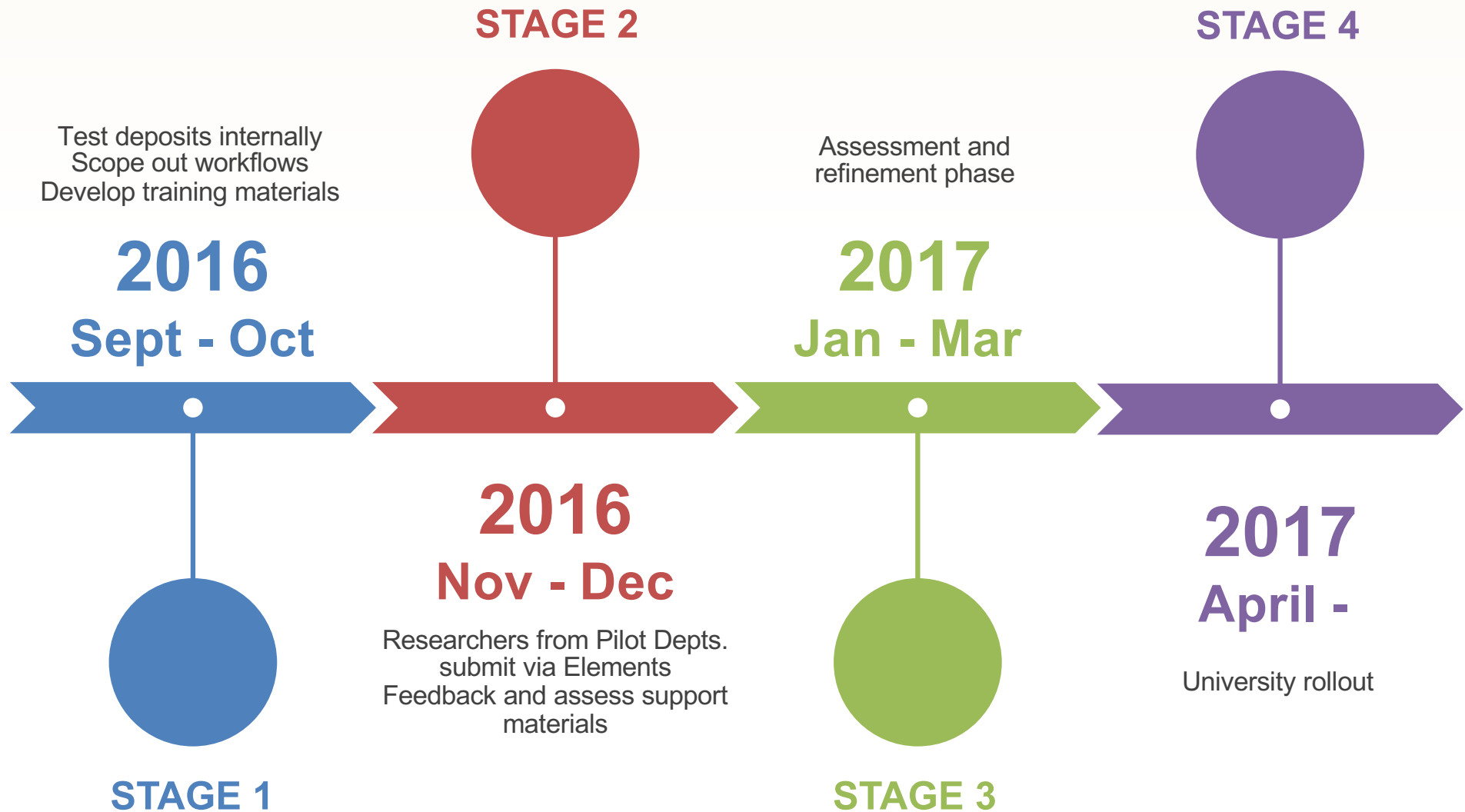


Researchfish
[PILOT]

- Researchers need to enter outputs and grants information in Symplectic and Researchfish
- Researchers find reporting via Researchfish complex and time-consuming

The Pilot...

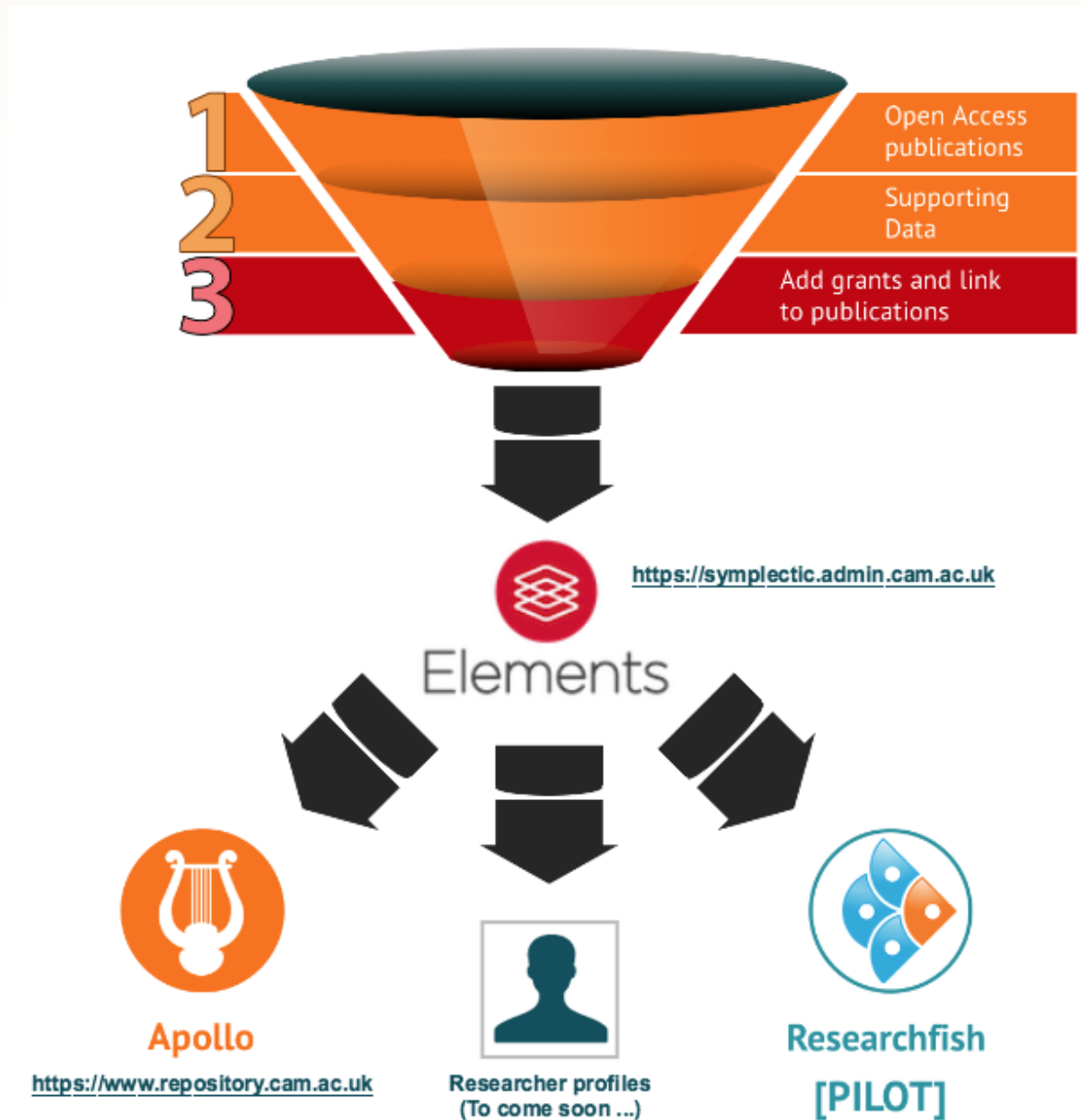
OSC



- Symplectic Elements (v5.1.2)
 - Integration with the repository via Repository Tools (from Symplectic)
 - Custom metadata crosswalks to map repository items to publications in Elements
 - Customisation of deposit forms for accepted publications, dataset and conference (limited as Symplectic is a 'closed' system)
- Apollo (DSpace repository – v5.5)
 - Integration with the helpdesk system (internal, bespoke development in the repository)
 - Metadata enhancement/customisation
- Zendesk Helpdesk system

The integrated solution

OSC



- Upload all their research outputs from a single system
- Add grants and links to publications
- Link to their ORCID profiles
- Obtain DOIs for their datasets and publications
- Reduced administrative burden

- Fewer systems to access and manage
- Enhanced internal workflows
- Faster and easier processing of research outputs
- Enhanced compliance reporting
- Staff can focus on supporting researchers with open access and data management

Thanks !

Questions