



Enhancing Open Access at Cambridge, CRIS integrations and more...

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Outline

- Overview of systems at Cambridge
 - Repository and CRIS integrations
- Enhancing OA workflows
 - Fast Track
 - LastMinute.CAM
- Enhancing publications metadata
 - Jisc Publications Router Elements Integration pilot
- Next steps





Overview of systems at Cambridge



Welcome to the University of Cambridge Open Access support site

Search and browse our FAQs or submit a support request if you can't find the answer to your problem

If your paper has been accepted for publication please upload it via Symplectic Elements.

Open Access FAQs

Symplectic Elements FAQs

 Apollo – Cambridge's Institutional Repository

 Symplectic Elements – Cambridge's CRIS

 Zendesk – OSC helpdesk support system





Repository and CRIS integrations



Open Access (OA)

Article and data deposits

Repository $\leftarrow \rightarrow$ Elements

- Via Repository Tools 1 (RT1) connector
- CRIS Repository metadata crosswalks
- Automatic update of repository records

Repository \rightarrow Helpdesk

- Via Zendesk API
- Ticket creation and update
- **Receive updates from Elements**





Benefits after integration

For researchers

 'One stop' shop: OA deposits, grants linking and researcher profiles

Open Access policies and funder compliance

Enhanced reporting and data from a single source

Enhanced visibility of outputs

- DOI registration and richer publications metadata
 - ORCID identifiers; grants information
- Populated ORCID profiles via DataCite Auto-update





Remaining challenges

Technological

- <u>System dependencies</u>: cannot upgrade DSpace beyond v5.x due to incompatibility with the RT1 connector
- <u>Duplicates</u> in Elements due to multiple submissions: e.g. accepted and published versions, co-authors uploading multiple times, etc.

Data related

- Limited configuration of metadata updates: "all or nothing"
- Varied coverage from external metadata sources

Operational

- Large volume of deposits and repository time-consuming review processes
- Complex user interface for researchers in CRIS system





Enhancing OA workflows: Fast Track

Fast Track Deposits					
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Accepted version	Final author version, after formal acceptance but	before copy-editing/typesetting			
Published version	Final published version, after copy-editing/types	ting			
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- Simple web interface to review OA submissions
 - Via DSpace API
- Reduced processing times
- Enhanced communication with researchers
- Automated embargo (Orpheus integration)
 - REST API





Enhancing OA workflows: Fast Track (II)







Enhancing OA workflows: Fast Track (III)

Since launching Fast Track in August 2018...

- Drastic reduction in processing times (~70% less time)
 - Deposit backlog cleared! (> 4,000 publications)
 - More that 8,000 publications processed
- Training librarians and administrators on OA deposits
 - Journal policies
 - Manuscript versions
- Blog post: <u>https://unlockingresearch-blog.lib.cam.ac.uk/?p=2536</u>





Enhancing OA workflows: LastMinute.CAM

	Find o	utmore		
blication inform	ation			
Publication in Elements	1064080			
Publisher DOI	10.1016/j.jpx.2018.1	00004		
Journal	International Journal of Pharmaceutics: X			
Title	Predicting capsule fill weight from in-situ powder density measurements using berahertz reflection technology			ty
Acceptance date Acceptance date is key publication comply wit	In determining whether In the Open Access policy,	2018-12-19		
Online publication		2019-01-04		
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- Simple web interface to update publications' information in Elements
 - Via Elements API
- Enhanced researcher experience
- Collect key information in a timely manner
- Enhance compliance reporting





Enhancing OA workflows: LastMinute.CAM (II)



 Search by DOI and retrieve OA location

- Targeting OA publications with missing dates (acceptance, publication)
- Publications are updated in Elements with dates, and 'OA location URL' and 'OA location file version'





Jisc Publications Router Elements Integration pilot • Pilot with Jisc Publications Router, Symplectic, and two institutions:

- Pilot with Jisc Publications Router, Symplectic, and two institutions: Cambridge and Sheffield Hallam University
- Main Aims
 - Assess effort required to implement the solution
 - Monitor data being passed between systems
 - Overall volumes of data
 - Proportion of new/unique content coming from different sources
 - Volume of duplicate records





Jisc Publications Router Elements Integration pilot - The approach

- - Two-month reporting window, with by-weekly data extracts
 - Two different repository technologies (ePrints and DSpace)
 - CRIS Repository connection via RT2 connector
 - Configuration of harvest and deposit workflows
 - Live connection between repository and Jisc Publications Router^{*}
 - Custom script development in Elements reporting database

* Cambridge test instance vs. using the live repository instance





Jisc Publications Router Elements Integration pilot

Router → Apollo

- SWORD v2 deposits
- Metadata crosswalks
- Metadata parsing
- On-deposit curated task

Apollo → Elements

- DSpace API connection
- OAI harvesting
- Dedicated collection in repository
- Harvest crosswalks







Jisc Publications Router Elements Integration pilot Initial analysis

Reporting period	29 th March – 14 th May 2019
Total number of router notifications	4,983
Total number of unmatched records	8
Total number of Router duplicates	1,655
Total notifications with files	863





Jisc Publications Router Elements Integration pilot







Next steps

- Repository CRIS integrations
 - Migrate CRIS repository connector to RT2
 - Repository CRIS integration decoupled from repository
 - Enhanced and highly configurable metadata crosswalks and updates
- Jisc Publications Router Apollo
 - Configure and enable a live connection between Apollo and Router
 - Extended Router Elements pilot





Thanks!



