Apollo, Cambridge’s Institutional Repository – ORCID integration

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‘Unlocking the power of ORCID integrations’, 31st October 2018
Outline

- Overview of systems at Cambridge
- ORCID integration
- Benefits & Issues
- Next steps
Background: Apollo

- Apollo holds the University’s research outputs
- Available since 2003
- Runs on the DSpace repository platform (open source)

https://www.repository.cam.ac.uk
Background: Symplectic Elements

- Elements (v5.10)
- Internal system in use since 2010
- Linked data
  - ~ 6K active users
  - ~250K publications
  - ~14K grants
  - ~14K professional activities

https://elements.admin.cam.ac.uk
Repository upgrade/integration projects

**Apollo**
- Submissions into Apollo via Elements
- ORCIDs in Apollo

**Coming next ...**
- Upgrade Elements integration
- Apollo upgrade (v6.x – v7.x)

**2017**
- Elements integration

**2016**
- Repository re-launch - Apollo
- DOI minting

**2019**
Populating ORCID records with repository content via DataCite’s ‘auto-update’ feature

- Why this approach?
  - ORCID repository module limitations
    - Using ORCID API v1
    - No write to / read from ORCID registry
    - Simply used to disambiguate author names using ORCID’s public API
Integration points

Elements ➔ Repository
- Read from ORCID via API v2
- Via Repository Tools 1 (RT1) connector
- Repository – CRIS metadata crosswalks

Repository ➔ DataCite
- DOI registration module
- Custom DataCite crosswalks
  - Submit nameIdentifiers
Populating ORCID records via DataCite

1. Authors’ ORCIDs
   Via the repository feed

2. DOI registration
   namelIdentifiers sent to DataCite
   i.e. ORCID information

3. ORCID Profiles
   Works pushed by DataCite
Effective strategies for managing your research data (advanced session)

Citation
Cadwallader, L. (2018). Effective strategies for managing your research data (advanced session) [Presentation file]. https://www.repository.cam.ac.uk/handle/1810/279682

Abstract
This course gives a brief recap on RDM and then covers managing personal and sensitive data in the context of the new GDPR legislation, why it is a Good Thing to share your data, and how to do this most effectively in terms of describing your data, deciding where to share it, and using licences to control how your data is used by others. You will even get to write your own Data Management Plan (DMP): these help you manage your data throughout a project and after it has ended and are increasingly required as part of a grant or fellowship application. You will also learn about the range of support services available to you within the University for managing your data.

Keywords
research data management

Identifiers
This record’s DOI:
https://doi.org/10.17863/CAM.27050

Rights
Attribution 4.0 International
License URL:
http://creativecommons.org/licenses/by/4.0/
Some examples
ORCIDs in Apollo – some numbers

- Top 3 records
  - 10.17863/CAM.25228 (444 ORCIDs)
  - 10.17863/CAM.27831 (377 ORCIDs)
  - 10.17863/CAM.17973 (110 ORCIDs)
Benefits after integration

For researchers
- ‘One-stop shop’ – interact with a single system
- ‘Auto-claim’ publications via ORCID

Technical resources
- Soft integration
- Only custom metadata crosswalks required

Enhanced visibility of outputs in Apollo
- Richer publications metadata
- Populated ORCID records
Remaining challenges

- Duplicated entries in ORCID profiles
  - Publisher DOI versus Repository DOI
  - Potential fix for this: upgrade repository’s DataCite crosswalks to correctly use ‘alternate identifiers’

- Non-intuitive, multi-step process for researchers
  - Authorise their ORCID in the CRIS system (pull records)
  - Authorise DataCite in ORCID profile (push records)
What we would like to see next

- Full integration in the CRIS system
  - Easier process for granting rights
  - Ability to assert researchers affiliation within the ORCID registry
  - Write to / read from the ORCID registry
Thanks!