Using a CRIS to support communication of research: mapping the publication cycle to deposit workflows for data and publications

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Research data requirements

- Funders are: RCUK, EC (Horizon2020), the Royal Society, and others.
- Applies to published results

- **Data Management Plan (DMP):**
  - how researchers intend to comply; what will be shared; where data will be archived; agreements with collaborators

- **Publications:**
  - **acknowledge** funder (grant number) and include a statement on how to access supporting data (where? On which conditions?)

- **Data:**
  - should be made **publicly available**
  - should be retained - at least <10 years> from last date of access

- **Costs:**
  - could be **included in grant** applications
Open Access requirements

- Funders include: RCUK, EC (Horizon2020), the Wellcome Trust, and others
- Policy for the next REF: [http://www.hefce.ac.uk/rsrch/oa/](http://www.hefce.ac.uk/rsrch/oa/)
- Applies to published results

- **Publications:**
  - acknowledge funder (grant number)
  - certain publication types need to be OA under certain rules
- **Repository deposit:**
  - should be made publicly available (when?)
  - should be the correct version and comply with copyright (how?)
- **APC costs:**
  - centrally funded by some funders (which?)
  - in some cases costs should be included in grant applications
### Researchers’ questions

**OA**
- *Why* do I have to do this?...
- “Open Access is here: make sure you are ready!”
- *When and how* do I upload my article?
- *When and how* will my manuscript be made public?
- ...Do I need to pay?
- ...Does my publisher allow this?
- ...etc./...

**RDM**
- *Why* do we have to do this?
- *What* data should I deposit?
- *What formats* should we use?
- *How and when* should I deposit the data?
- Where and when can I obtain a DOI for my data?
- How do I link, in the CRIS, my data to my publication?
Datasets are created both by authors and RDM team.
We do not explicitly offer mediated deposit for datasets.
No support at school level yet.
RDM deposit and validation workflow II

Stage 2: post-acceptance

Publication timeline
- Final Acceptance
- Proofs submitted
- e-Pub ahead of print
- Publication

Deposit workflow
- Final data files in Pure and record completed/updated
- DOI activated, metadata made public
- Data made public

Validation workflow
- Check and enhance metadata
- Perform basic data quality control
- Activate DOI – metadata made public
- Validate record - files made public

- Pure offers integration with DataCite to activate DOIs
Research data deposit trend
• **171** dataset records in Pure
• **114** dataset records with files in St Andrews’ repository
• **20** datasets in progress
• **37** datasets deposited elsewhere but with metadata in Pure (CRIS as a catalogue)
OA deposit workflow

Acceptance with revisions

Final Acceptance

Proofs submitted

e-Pub ahead of print

Publication

Deposit in Pure

Act on acceptance

Research Output record created in Pure

Manual upload of manuscript

Import from external sources

Metadata made public, full text embargoed

Additional publication details

Full text released
OA roles and validation workflow

Research Output record created in Pure
- Manual upload of manuscript
- Import from external sources

Metadata made public, full text embargoed
- Additional publication details
  - Full text released

Automated import and deposit?
- Researcher deposit
  - Identify and link data / funders / grants
  - Check and enhance metadata, perform copyright checks and set default embargo
  - Set embargo end date (write comments)
  - Validate record (with embargo)
  - Metadata and files to repository

Mediated deposit
- OA team receive notification or check filters
  - Gold OA required?
OA deposit trends

- Strategies developed as part of OA Good Practice project: LOCH (Lessons in Open Access Compliance for Higher Education)
- Quick wins
- Rise in author-driven deposits during pilot phase
- Current deposit rates by subject area
  - Early increase in pilot Schools
  - Gradual increase in Arts & Humanities
Joint approach

- Delivering joint OA-RDM Pure tutorials:
  - being able to address any questions related to OA and/or RDM
  - giving a complete overview of the processes and overlaps

- Drop-in sessions in schools
  - bringing the service to the researchers

- Cross-team communications
  - Raises awareness in researchers

- Shared staff posts between Library and Research Policy Office
  - brings together all the CRIS administrators
Data underpinning - Dynamic covalent assembly and disassembly of nanoparticle aggregates

Overview

Associated persons
Stefan Borsley, (Creator)
Euan Robert Kay (Creator)

Associated organisations
School of Chemistry
EaSTCHEM

Contact person
research-data@st-andrews.ac.uk

Description
Data for publication "Dynamic covalent assembly and disassembly of nanoparticle aggregates"; DOI: 10.1039/c6cc00135a

The following file types are included:
- NMR spectroscopy files
- UV-Vis spectroscopy files
- Transmission electron microscopy images

Date made available
4 Apr 2016
Publisher
University of St Andrews

How does it all look?
‘Graph of relations’
Thank you for listening

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