ORCID Update
RDA UK / FREYA Workshop

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15 Minutes

- ORCID
  - People make connections
- What’s up at ORCID?
  - Demonstrating facility impact
  - Annotations and physical objects
  - Using ISSNs
  - Fetching work metadata
  - Funding workflows
  - Thoughts on readiness
  - How can we help integrators?
WHAT IS ORCID?

• ORCID is an open, not-for-profit organization run by and for the research community

• We provide researchers with a unique identifier, an ORCID iD, that reliably and clearly connects them with their research contributions, affiliations, funding & facilities

• Hundreds of systems have now integrated with ORCID (307 in Europe!) – from grant application and manuscript submission to CRIS to repositories.
"I'm the 38th author..."
"Wow, that sucks."
"I hadn't finished. I'm the 38th author called "Wang"."
"Oh."
ncbi.nlm.nih.gov/pubmed/26799652

Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition).

JOINING IT ALL UP

Connecting persistent identifiers (PIDs) together lets you do powerful things.

Connections are made during regular researcher workflows.
RESEARCHER ENABLED GRAPH

They can be involved at every step. They help make the connections.
CONNECTED INFRASTRUCTURE
(as illustrated by terrible clip art)
What are we working on?

(and a few discussion points)
Demonstrating facility impact

- Making accurate assessment of the scientific impact of public investments in research infrastructure is very difficult
- PIDS can help
- ORCID has workflows for adding resource proposals and awards to ORCID records and work metadata
- However, we need PIDs for resources
An example: EMSL

radAFM: Coupled radiation source/liquid-cell AFM to study radiation-induced interfacial processes
2017-07-01 to 2017-09-30
OTHER-ID: Project ID 118975
DOI: 10.25582/proj.2018.50416

Environmental Molecular Sciences Laboratory (Richland, WA, US)

Organization identifiers
GRID: grid.436923.9
Environmental Molecular Sciences Laboratory: Richland, Washington, US
http://www.emsl.pnl.gov/emslweb/

Other organization identifiers provided by GRID
ISNI: 0000 0004 0373 6523
CRGREF: 1642725
VINKDATA: Q5381141

Joint Genome Institute (Walnut Creek, CA, US)

Organization identifiers
GRID: grid.451309.a
Joint Genome Institute: Walnut Creek, California, US
http://grl.doe.gov/

Other organization identifiers provided by GRID
ISNI: 0000 0004 0449 479X
VINKDATA: Q3183039

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Source: Environmental Molecular Sciences Laboratory (EMSL)
Annotations and physical objects

• There are emerging use cases for connecting annotations and physical objects to ORCID iDs

• Working with RDA Biodiversity Standards, Bloodhound, SciCrunch and more

• Support for both work types is on our roadmap and will be available before the next RDA plenary
Using ISSNs

• We’ve started ingesting ISSN metadata to help manage publication titles for peer review items

• Using the ISSN public JSON-LD API

• This has solved a real problem for us - devolving responsibility for name-id pairs to the ISSN registry

• Check out the API at https://portal.issn.org
Fetching work metadata

- Researchers can now pull metadata from PIDs when manually adding works to ORCID
- DOI, ArXiv, Pubmed all supported
- Thanks to the efforts of Datacite encouraging adoption of citeproc content!

![Image of ORCID interface showing works and metadata options](image-url)
Funder workflows

• Wellcome Trust ORCID integration now live!
• Autofills application forms
• Helps Wellcome assess and track the impact of grants, and also the impact grants have on careers
• A few teething problems with inconsistent work metadata from varied sources
Thoughts on readiness (an aside)

• Bibtex still exists. Oh yes. And it’s popular

• A lot of workflows start with PIDs but end up with paper

• We must be mindful of bringing the community with us rather than charging ahead by ourselves

• We must make people aware of the gaps and gotchas of PIDs, as well as their utility
How can we help integrators?

- Telling people to “use the power of PIDFs” doesn’t always work:
  - Complex logic
  - Multiple standards / endpoints

- Should ORCID be fetching work metadata from the source (i.e. DOIs) and passing it on to users of it’s own API?

- Does the PID graph have a role here?