Mendeley Data – Use Synergies with Pure to Showcase Additional Research Outputs

Nikhil Joshi | Solutions Manager, Research Data Management

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What is Mendeley Data?

Benefits for researchers:
- **Prevent re-work**: save time searching, collecting and sharing data
- **Comply** with funders’ mandates
- **Improve impact**: increase data reuse

Benefits for institutions:
- **Keep track** of your data inside and outside your institution
- **Showcase** institutional research outputs
- **Improve** collaborations within/across institutions

How we deliver:
1. **Open** system & open API’s; modular approach enables integrations across many research data solutions
2. **Data** remains at/owned by institution
3. **System** is integrated with the researcher workflows: we make it simple & obvious
4. **Your researchers** keep working like they do today while avoiding additional bureaucracy & administration
What is Mendeley Data?

- Search within 9mln datasets from over 30 world-wide data repositories, growing all the time
- Including your institutional repository (if you want)

Active data management:
- Manage data in projects
- Custom metadata & co-editing
- Local data integration
- Integration hub between internal and external data

• Find and report on your data inside and outside your institution
• Engage with researchers when they actually have data

• Trusted data repository
• Showcasing your data
• Automatically linked with Pure
How did we get here?

2014

Mendeley Data Notebook (Hivebench): lab notebook has been used since 2014 by researchers who wanted to collect their data in the lab in a more structural way
https://hivebench.com

2015

Mendeley Data Repository: in use since 2015 by researchers who wanted to find a safe place to get credit for their data
https://data.mendeley.com

2016

Data Search: in use by researchers since 2016 to discover data
https://datasearch.elsevier.com/

2017

Launched now: Mendeley Data: platform for institutions
Worked with community & 10 development partners to meet institutional needs

2018
Where is Mendeley Data in the Elsevier ecosystem?

**Scopus**
- Notify new articles to Monitor for data sharing compliance
- Datasets as Scopus records

**Pure**
- Sync datasets, projects, grants, equipment, showcase on portal

**SciVal**
- Produce and consume data metrics

**EVISE**
- Submit / link datasets with publications

**ScienceDirect**
- Produce and consume data metrics

**Users**

**Mendeley**
- Submit / link datasets with publications

Existing integration and planned integration are indicated in the diagram.
Types of integration between CRIS and RDM

CRIS to RDM
- Projects
- Grants
- People
- Organisational units

RDM to CRIS
- Dataset metadata
- Links to publications
- Access permissions
- Data metrics
Mendeley Data already integrates through open APIs with the global Research Data Management ecosystem.
## Pure integrations

<table>
<thead>
<tr>
<th>RDM Module</th>
<th>Integration</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data Repository</td>
<td>Published datasets appear in Pure catalogue</td>
<td>√</td>
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</tbody>
</table>
| Data Monitor         | Import/Export Data into Pure workflow                                       | a) Datasets from backfiles can be discovered and imported for Pure customers today  
b) Ongoing monitoring will be ready mid 2019 |
| Data Monitor         | Import researchers from Pure for active ongoing engagement with researchers | Will be ready mid 2019                                                  |
Use case: Librarian – Help curate and validate research outputs from an institution

- Search for publication records to be curated/merged
- Merge publications
- Send comments and notes
- Validate existing publications
- Import datasets
Search for publications to clean up and merge
## Merge publications

### Candidate

- **Created:** 16/07/2018
- **Creator:** root
- **ID:** 15293814
- **UUID:** d44fe5c5-15ad-4dfb-8849-7f9a37b3b6a2
- **Source-ID:** 2-5.2-0.8492543849 (researchoutput wizard)
- **Source-ID:** 8492543849 (Scopus)

### Target

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### Title of the contribution in original language

Genomes, chromosomes and genes of the wheatgrass genus *Thinopyrum*. The value of their transfer into wheat for gains in cytogenomic knowledge and sustainable breeding.

### Abstract

Perennial wheatgrass species of the genus *Thinopyrum* possess several appealing attributes for wheat improvement, contributing to tolerance to biotic and abiotic stresses, as well as to quality and even to yield increase. Major genes or QTLs underlying such traits have been identified on numerous chromosomes of both diploid (Th. elongatum and Th. bessarabicum) and polyploid (mainly Th. intermedium and Th. porteri) representatives of the genus, having different genome origin (E, J, S, St/Sl) and involving several homoeologous groups. *Thinopyrum* chromosomes sharing homoeology with wheat group 7 chromosomes turned to be particularly rich in beneficial genes; among them, a Th.
Curate and validate data
Interact with users and record changes, validate
**Import candidates from Mendeley Data for National Agency for New Technologies, Energy and Sustainable Economic Development**

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<thead>
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<th>Title</th>
<th>Authors, Year</th>
<th>DOI</th>
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<th>Source data</th>
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<td>Patient–centered outcomes after concomitant use of proton pump inhibitors when used with other drugs</td>
<td>Tatyana Shamliyan, 2016</td>
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<td>Optimised Machine Learning Methods Predict Discourse Segment Type in Biological Research Articles</td>
<td>Jessica Cox, Corey Harper, 2018</td>
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<td>Sarah Hugett, 2017</td>
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<td>James fitnes, 2018</td>
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<td>Elsevier's data and code for the bioCADDIE 2016 Dataset Retrieval Challenge</td>
<td>Peter Cotroneo, 2017</td>
<td>DOI</td>
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Researcher use case
Demo/Manchester example?
Thank you
Wouter, Alberto & Nikhil
w.haak@Elsevier.com
a.zigoni@Elsevier.com
n.joshi@Elsevier.com