Towards ‘end-to-end’ research data management support with the Mendeley Data Platform

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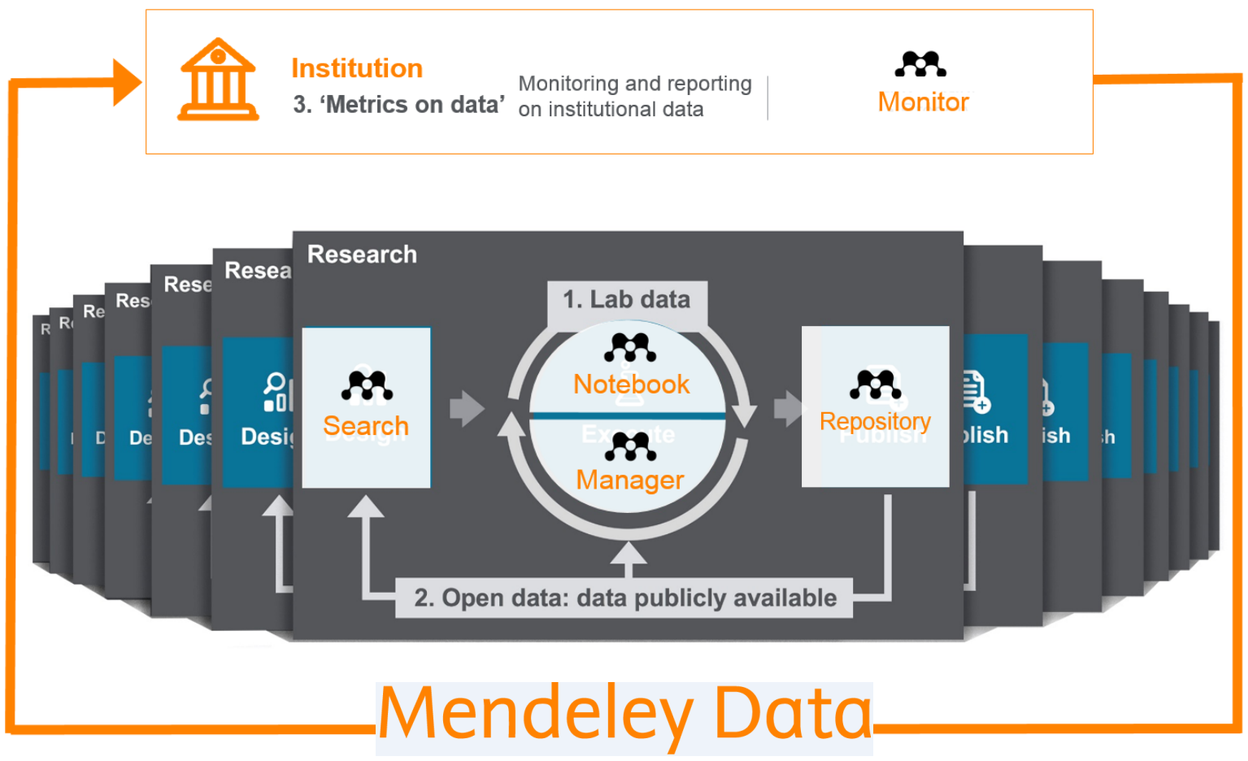
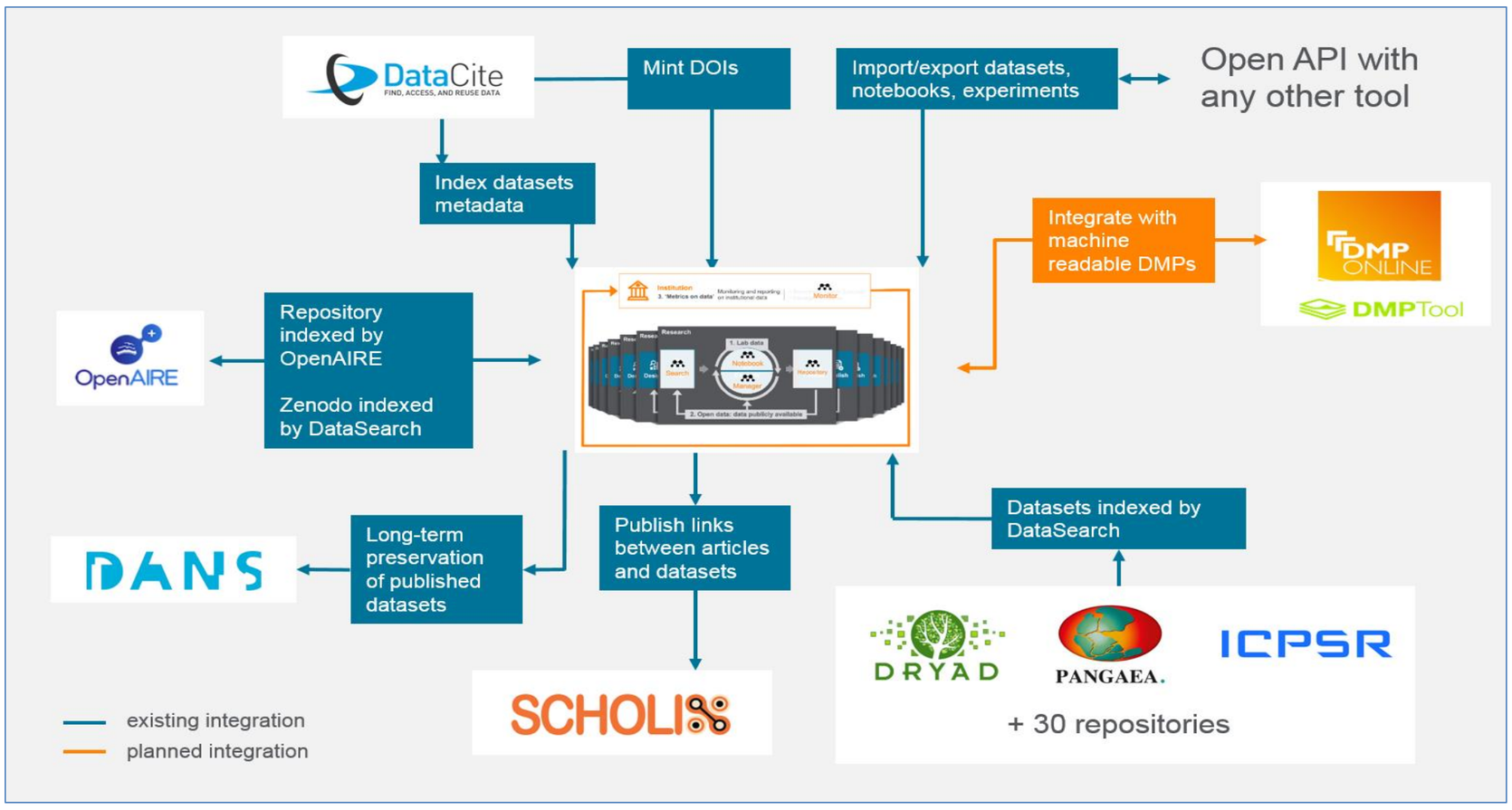


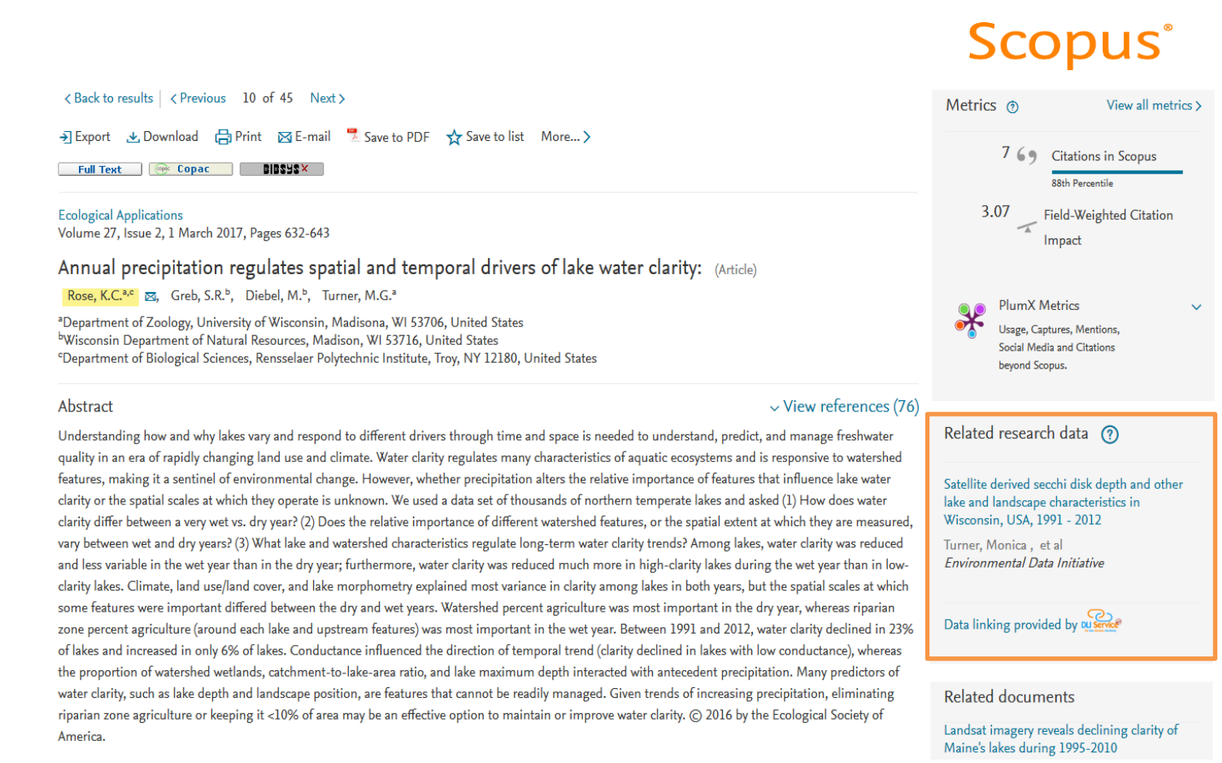
Mendeley Data is a modular, cloud-based platform designed for research institutes to manage the entire lifecycle of research data

Mendeley Data is designed to facilitate the comprehensive utilization of data. Consisting of five modules, this open, cloud-based platform helps research institutions to manage the entire lifecycle of research data and enables researchers to safely access and share information wherever they are. These modules help institutions and researchers to collaborate, more easily tap into the broader world of shared data, increase research exposure and support compliance.

Mendeley Data integrates through open APIs with the global ecosystem for research data management. We link to DANS for long-term data set preservation, DataCite for DOIs and indexed metadata to support data publication, Scholix for links between published articles and datasets, and over 30 data repositories, including Dryad, Pangaea and ICPSR.

We won’t stop here: we already have planned future integration with machine-readable data management plans and other electronic lab notebook software, just to name a few developments.



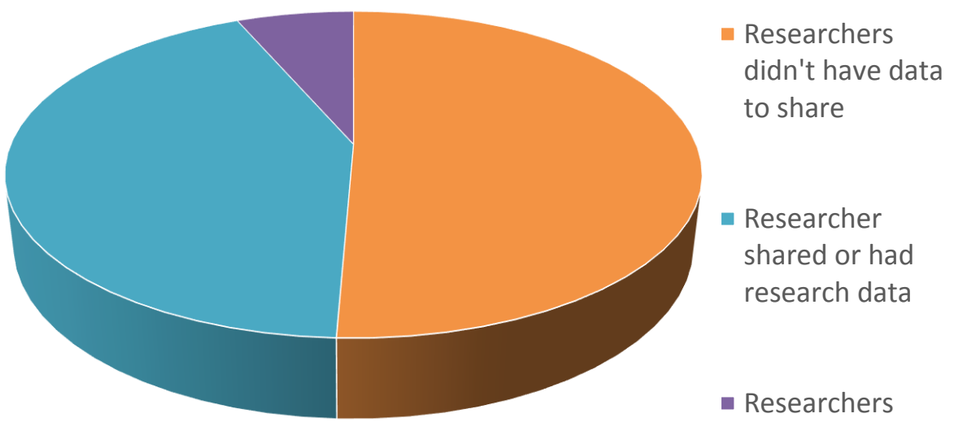


Data Inventory & Data Sharing Services

- Two new services developed to assist University Libraries keep track of their research data.
- Services are integrated with Scholix and DataCite.
- The research data availability for each article is first checked automatically.
- If no data is automatically found, researchers get emails and asked to share their data or provide information about its location.
- Information is accumulated via the dashboards.
- New links between articles and datasets are deposited to Scholix and appear on Scopus.

Results of User Tests

- The Data Inventory and Data Sharing services were tested with 217 Rensselaer faculty members and 140 Monash researchers.
- ~1000 research articles were checked for data availability.
- The open and response rates were very high: up to 60% (Monash) and 19% (Rensselaer), respectively.
- Based on results of the automatic checks and researcher responses: 5-6% articles have associated open research data.
- Most popular repositories: CCDC, Figshare, NCBI/GEO, Dryad, and Mendeley Data.



https://www.elsevier.com/solutions/mendeley-data-platform