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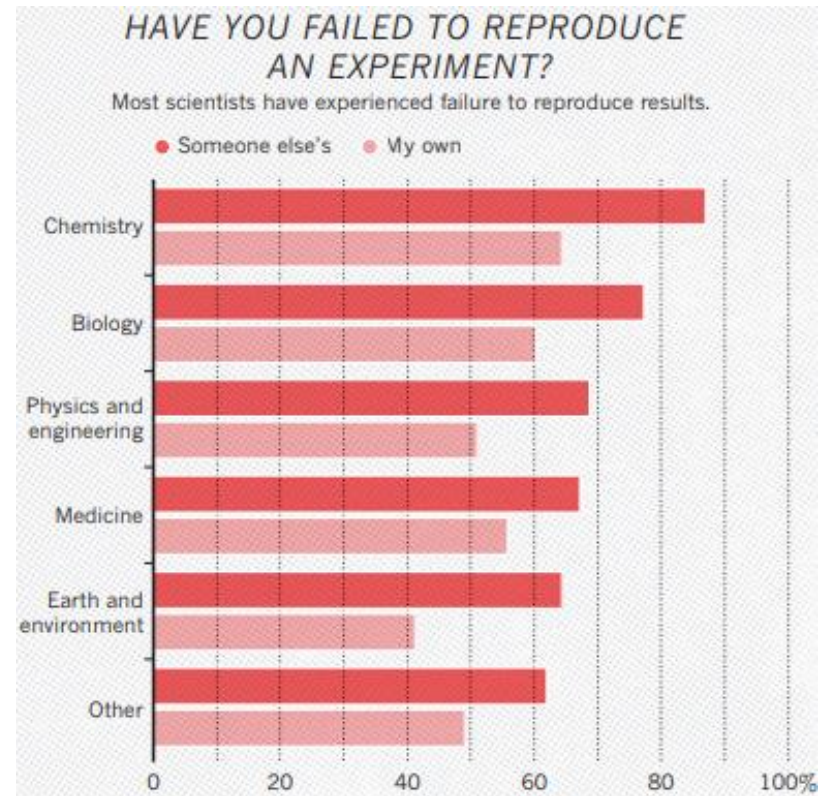
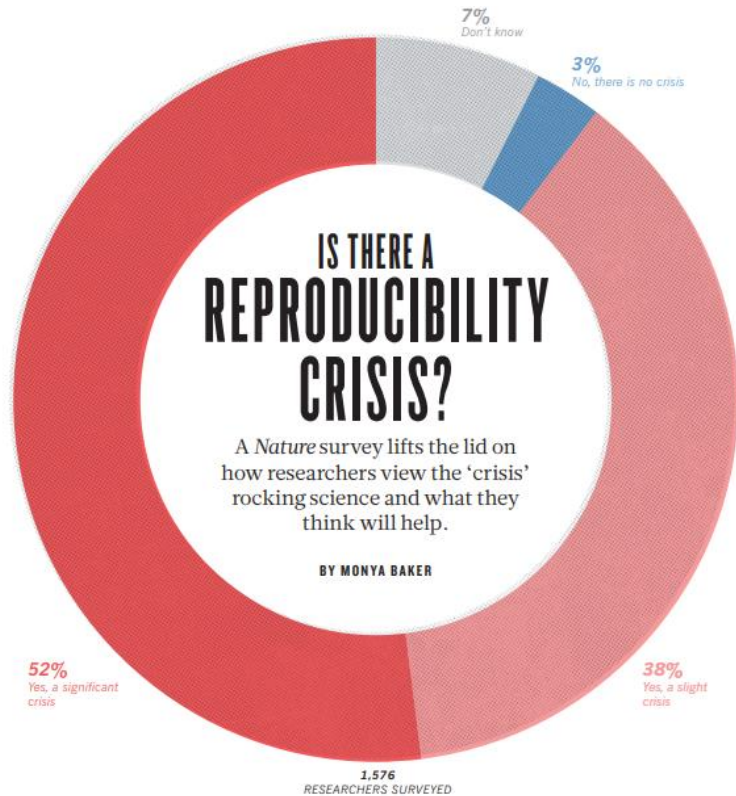
Research Data Management

Why is it important ?

August, 2018

Guilherme Sepe





<https://www.nature.com/news/1-500-scientists-lift-the-lid-on-reproducibility-1.19970>

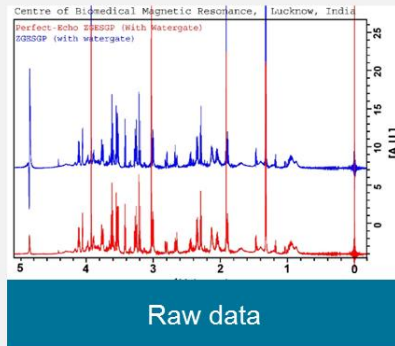


Title (change with Header & Footer button)

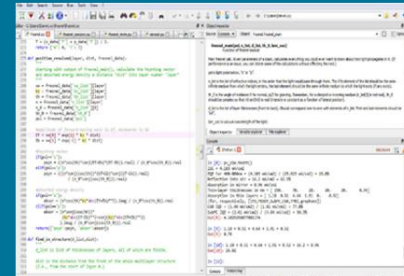
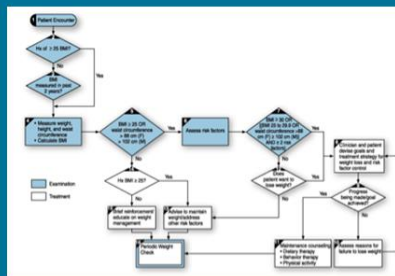
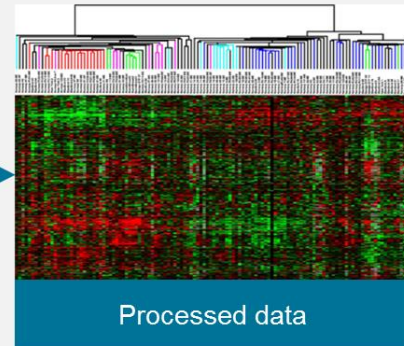
29-8-2018

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When talking about data, we talk about...



All forms of research data, which includes everything needed to reproduce and reuse



Citation & Visibility Impact - UNIFESP

↓ y-axis

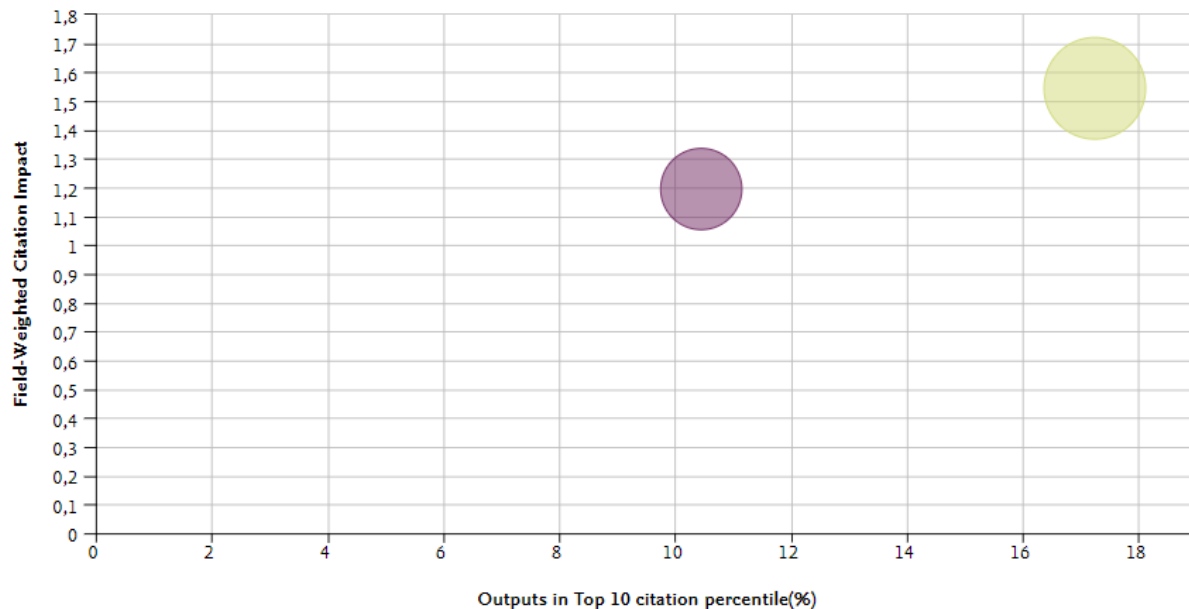
↓ x-axis

○ Bubble size

Field-Weighted Citation Impact ⚙

Outputs in Top Citation Percentiles ⚙

Views per Publication



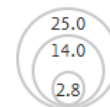
Institutions and Groups

● Universidade Federal de Sao Paulo

Publication Sets

● UNIFESP - with dataset

View list of Scopus Sources for the select



Views per Publication



Research Data Management

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Citation & Visibility Impact - FAPESP

y-axis

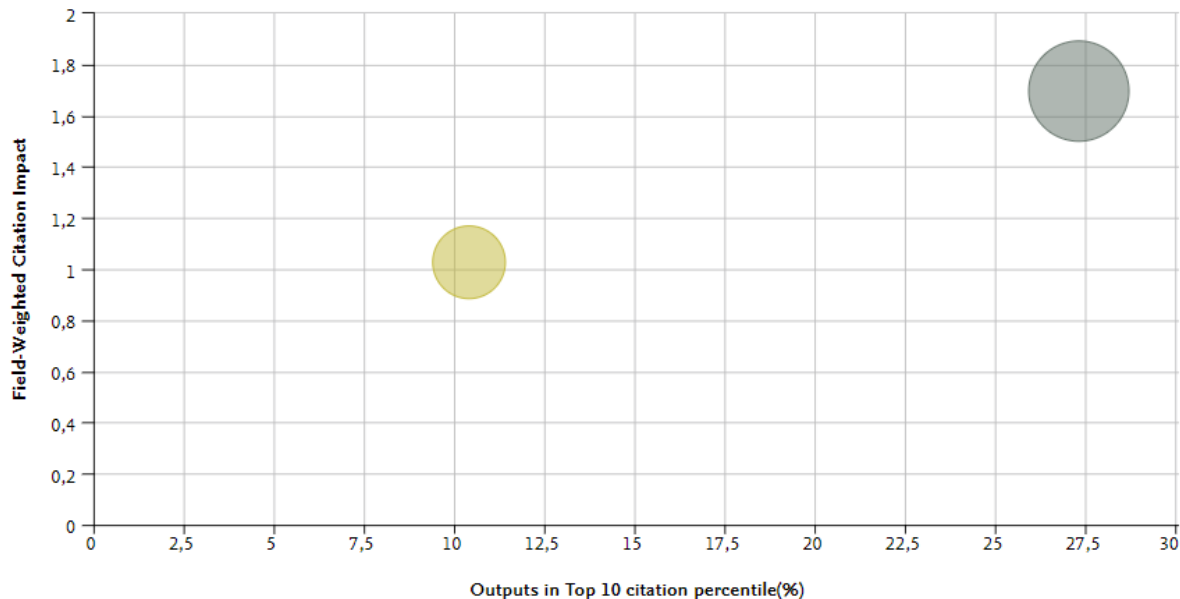
x-axis

Bubble size

Field-Weighted Citation Impact

Outputs in Top Citation Percentiles

Views per Publication



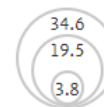
Institutions and Groups

FAPESP - Top Instituicoes Paulistas

Publication Sets

FAPESP - with dataset

View list of Scopus Sources for the select



Views per Publication



Research Data Management

29.08.2018

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Not an easy problem – therefore many solutions appearing

THE DATA CITATION INDEX
Findable
Magnifying glass icon, hand cursor icon, gears icon, recycling icon

Dataverse
Project
Research Data Curation Program
because good research needs good data
DCC
Data catalogues and registries
Data
Discover, reuse and cite
Plan and design
Research Data
Collect and capture
Share and publish
Preserve and archives
Managing etc.

zenodo
DMPTool
Build your Data Management
DataCite
labguru
labarchives
Chance Favors the Organized Lab
The European Open Science Cloud for Research Pilot Program
RDA
RESEARCH DATA ALLIANCE
Cross the Data
#NCIGDC
figshare

DATA LIFE CYCLE
Plan
Collect
Assure
Describe
Preserve
Discover
Integrate
Analyze

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What we believe in..



Researchers

- It needs to be simple & fit my project & workflows
- Access **anytime, anywhere**
- Store all **data in one place**
- Able to identify the author, understand the context and change data **over time**
- Both internal & external **sharing**



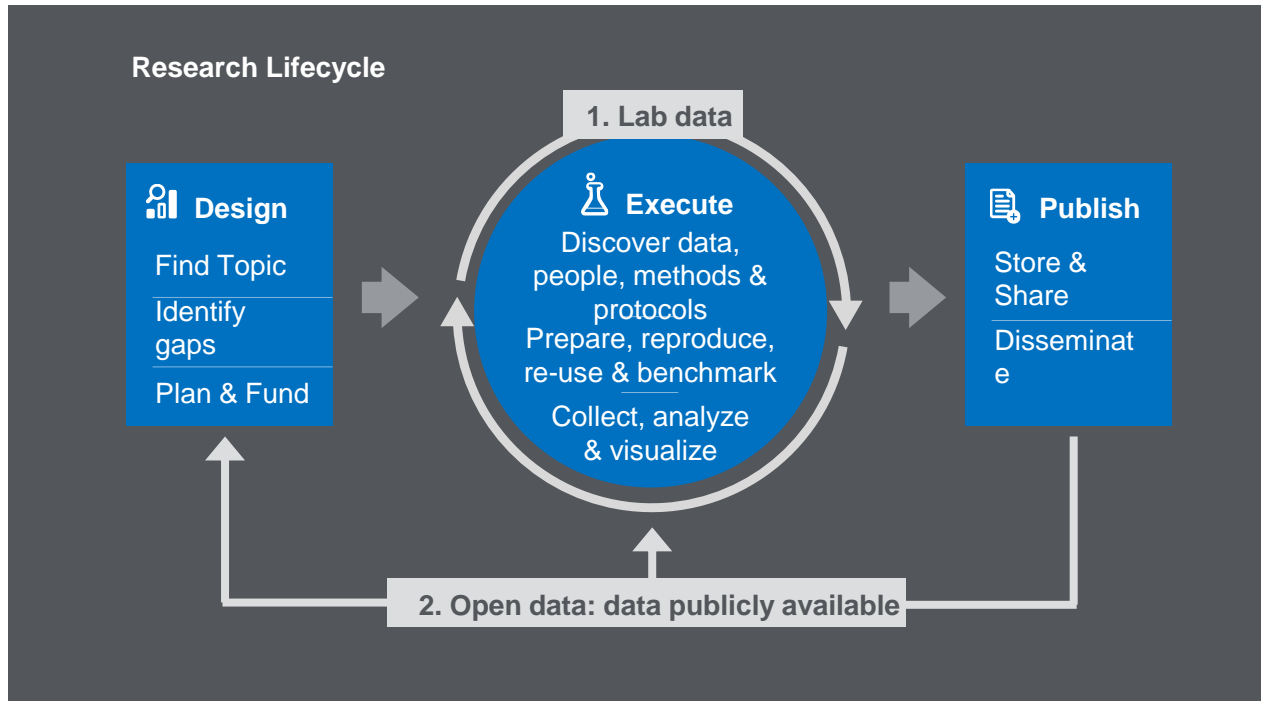
Institutions

- **Simple, central** access
- Tools to deal with **heterogeneity** of data
- Data **identification** and **retrieval**
- Reliable data **security**
- **Cost** effectiveness
- **Training** to up skill users

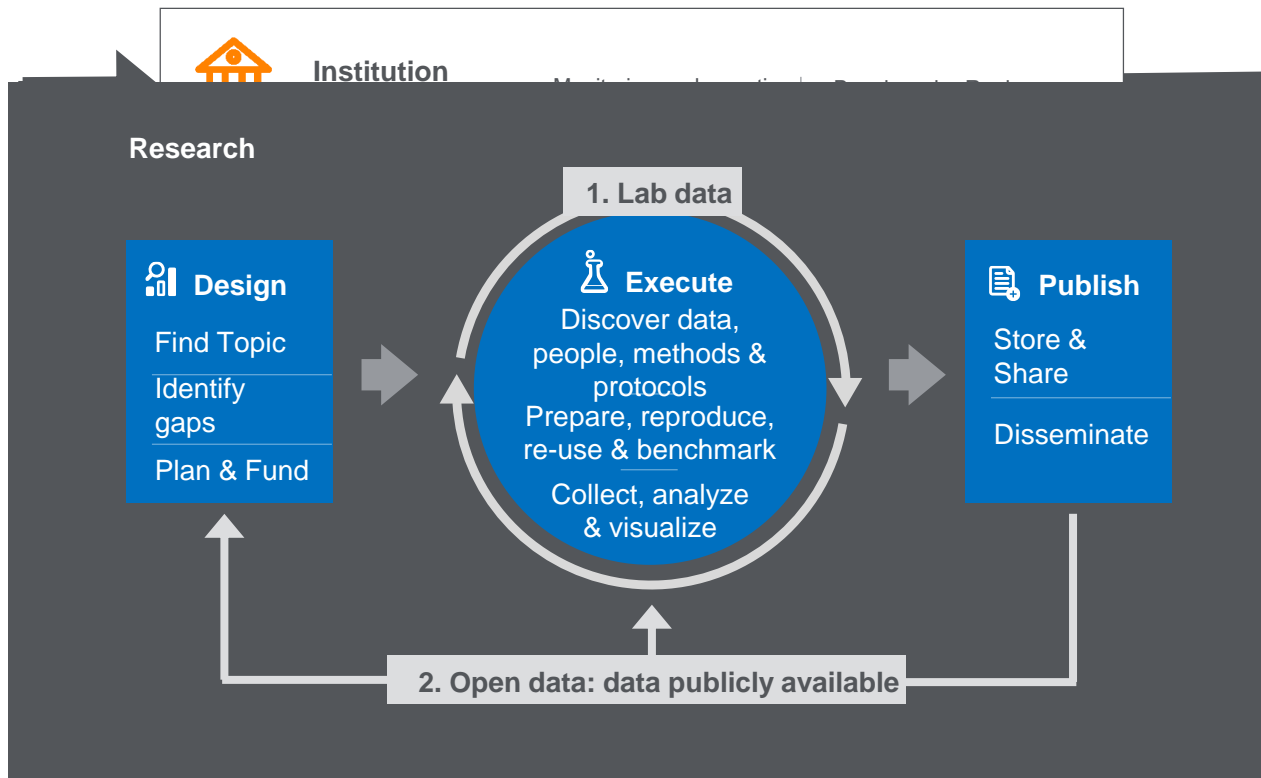


The research life cycle depends heavily on two data life cycles:

1. Within the “lab”, covering all active data in all domains
2. Within the world at large



Taking the institutional lens, we can speak of 3 interlocking data life cycles

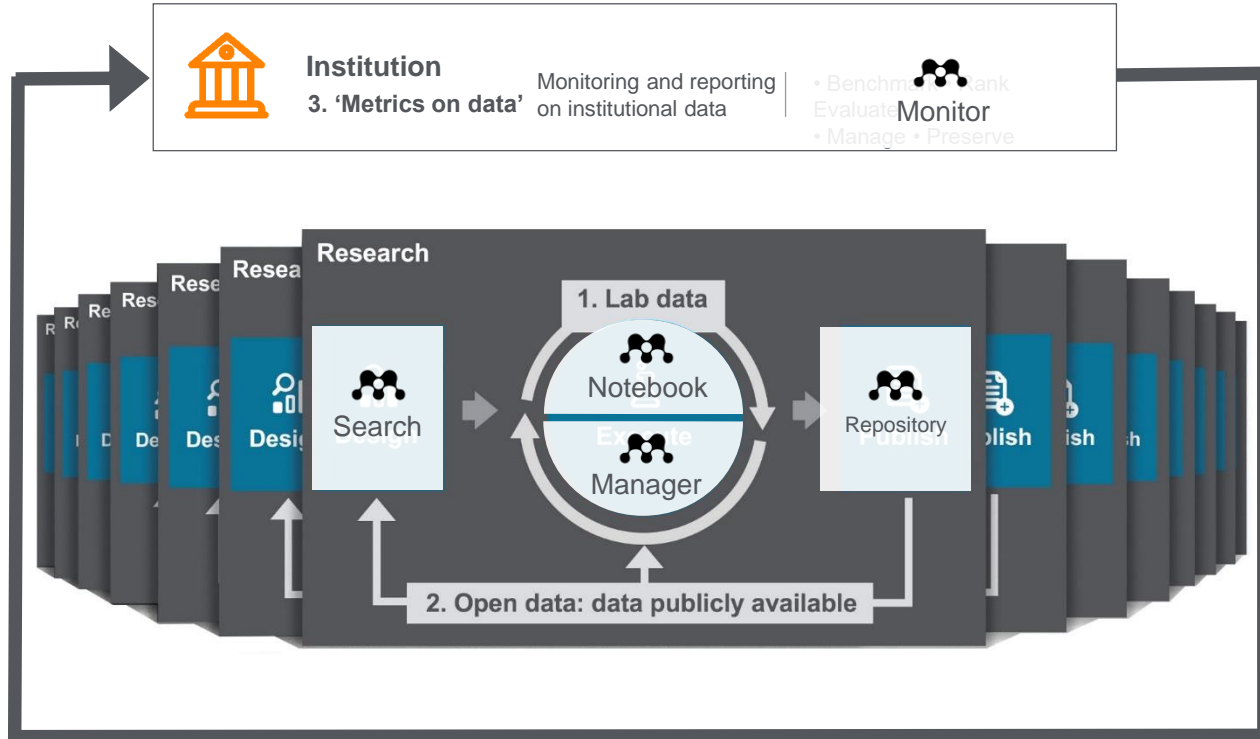


Re-using research data improves outcomes for the research life cycle

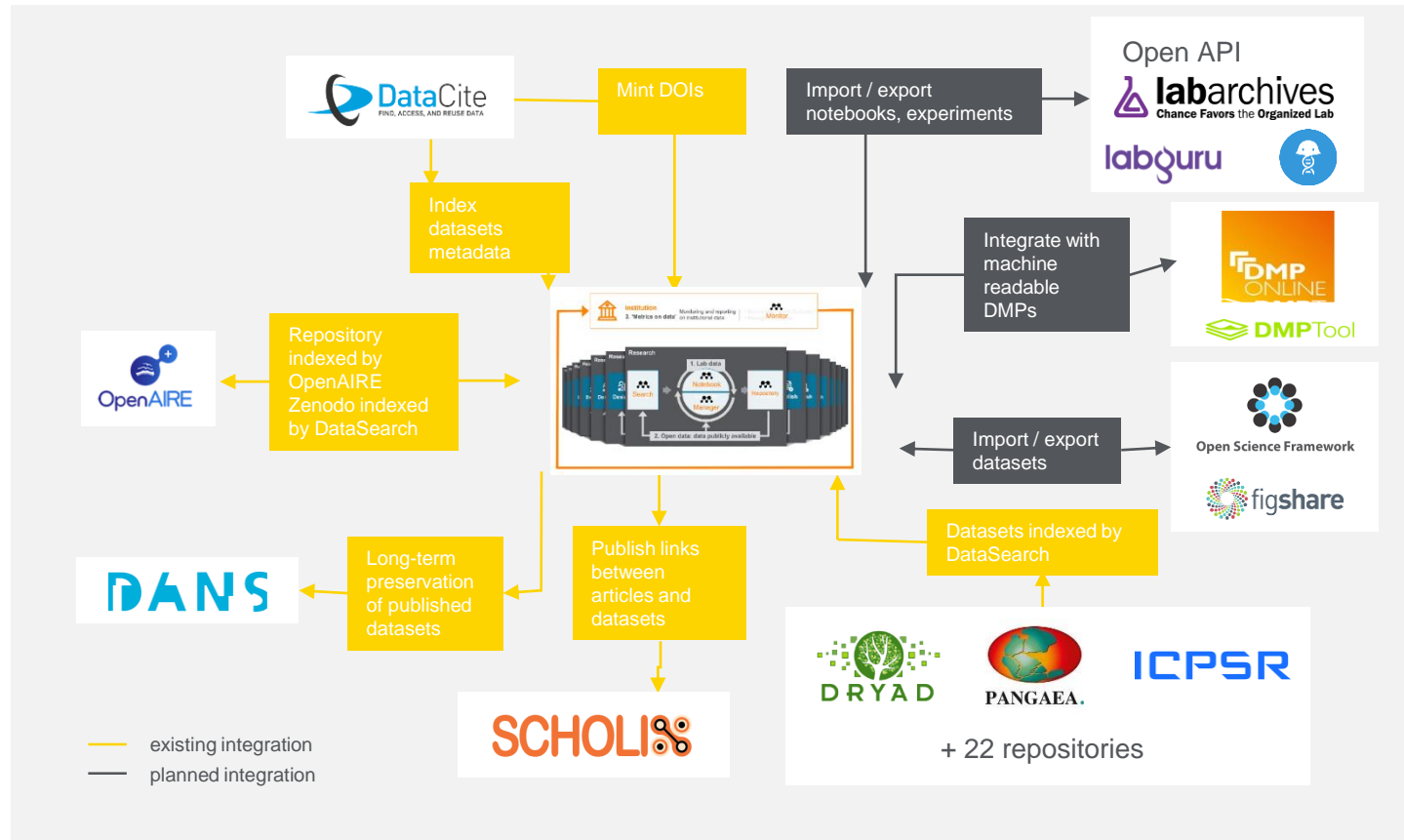
- This means improving the research data life-cycles: (1) within the lab and (2) to the world at large
- This also means keeping track of the institutional data lifecycles, and (3) reporting on them

Mendeley Data

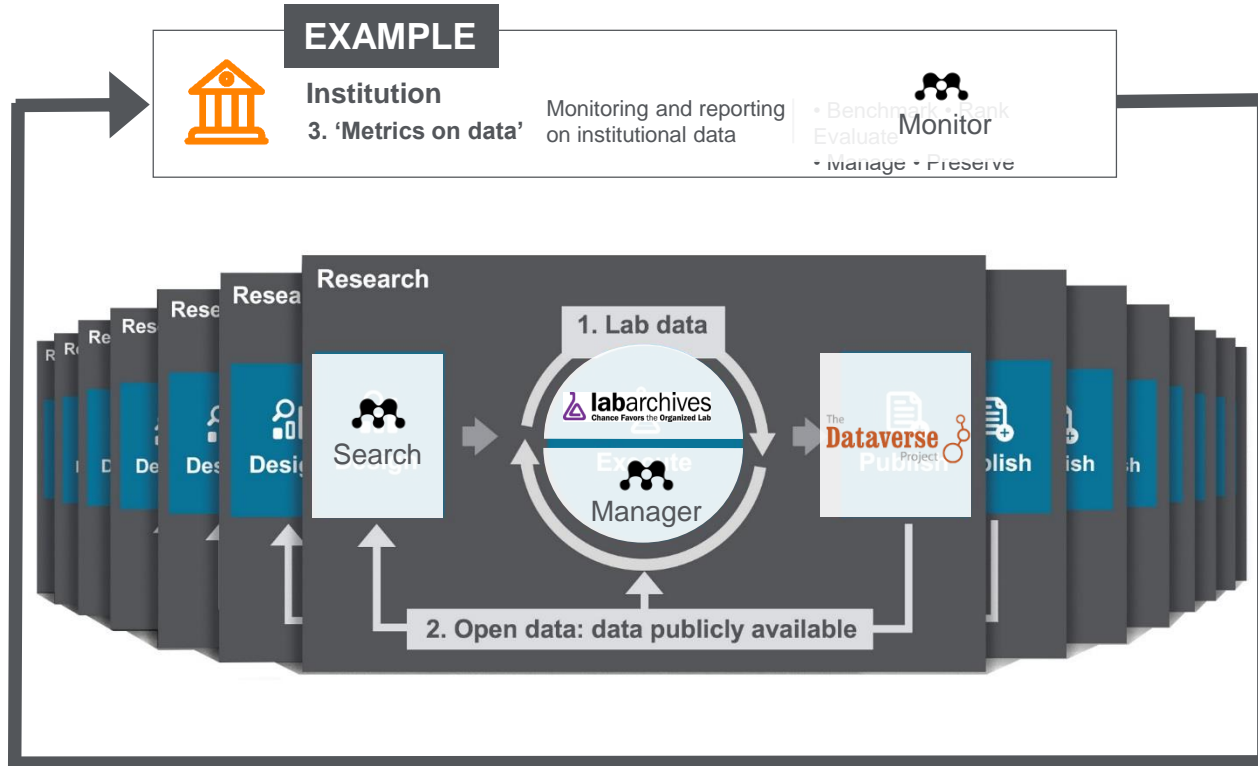
A modular, cloud-based platform designed for research institutions, to manage the entire lifecycle of research data



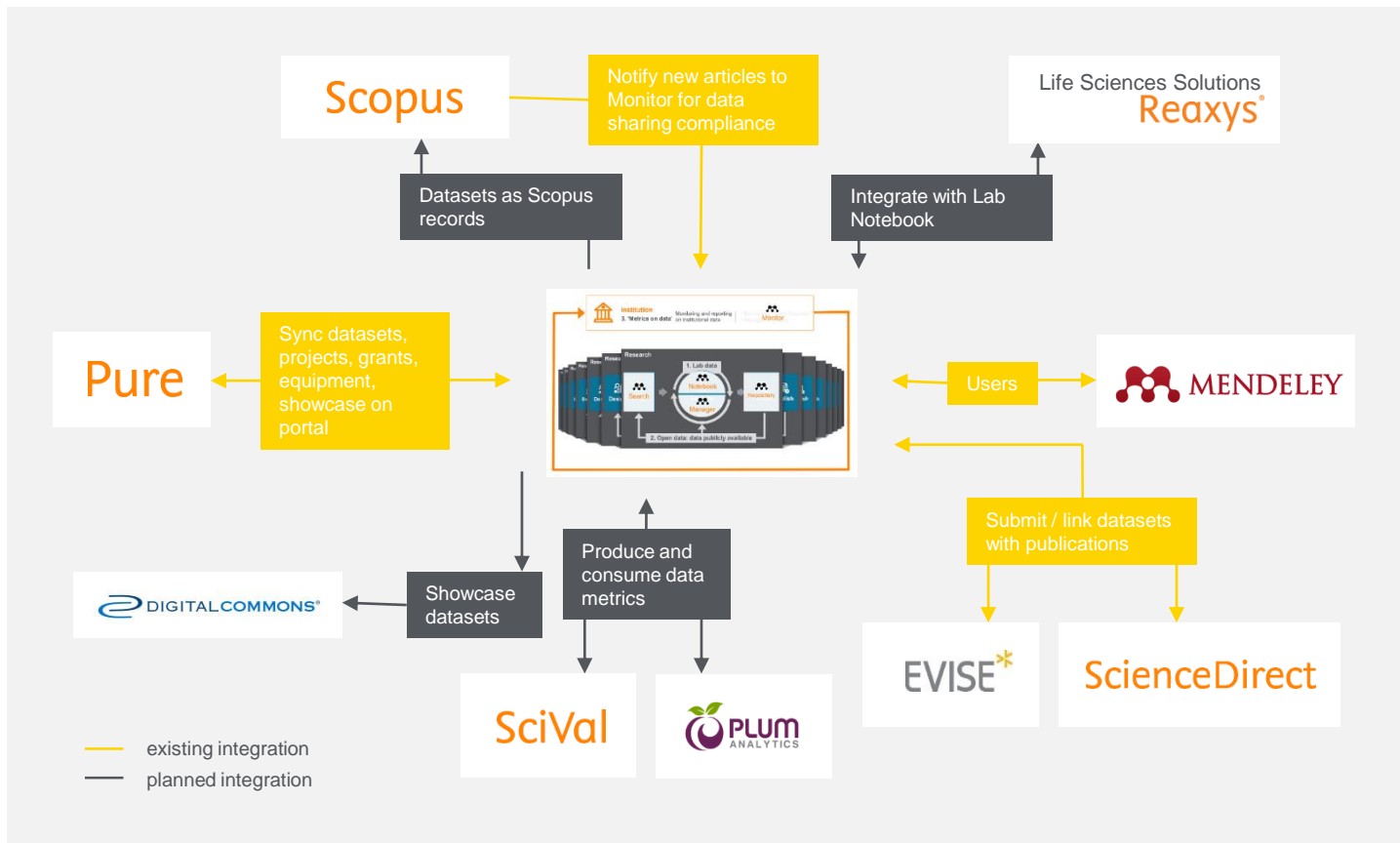
Mendeley Data already integrates through open APIs with the global Research Data Management ecosystem



Mendeley data integrates into your own ecosystem



Delivering more value: Mendeley Data integrates with other Elsevier solutions



Research Data Management

Growing but can be addressed

- Demand for RDM is growing..
- And we can help.

What happens to my data when researchers leave the institution?

Is my institution supporting Research Data Management best practices?

Do my researchers believe the 'data management plan' is a 'paper exercise' or do they see it as something that helps them?

Can I track data outside my institution? For example at subject repositories?

How can I know how many datasets your researchers have published?



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Thank you

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