Demonstrating experience in developing a research data management plan: needs for services, tools and policies

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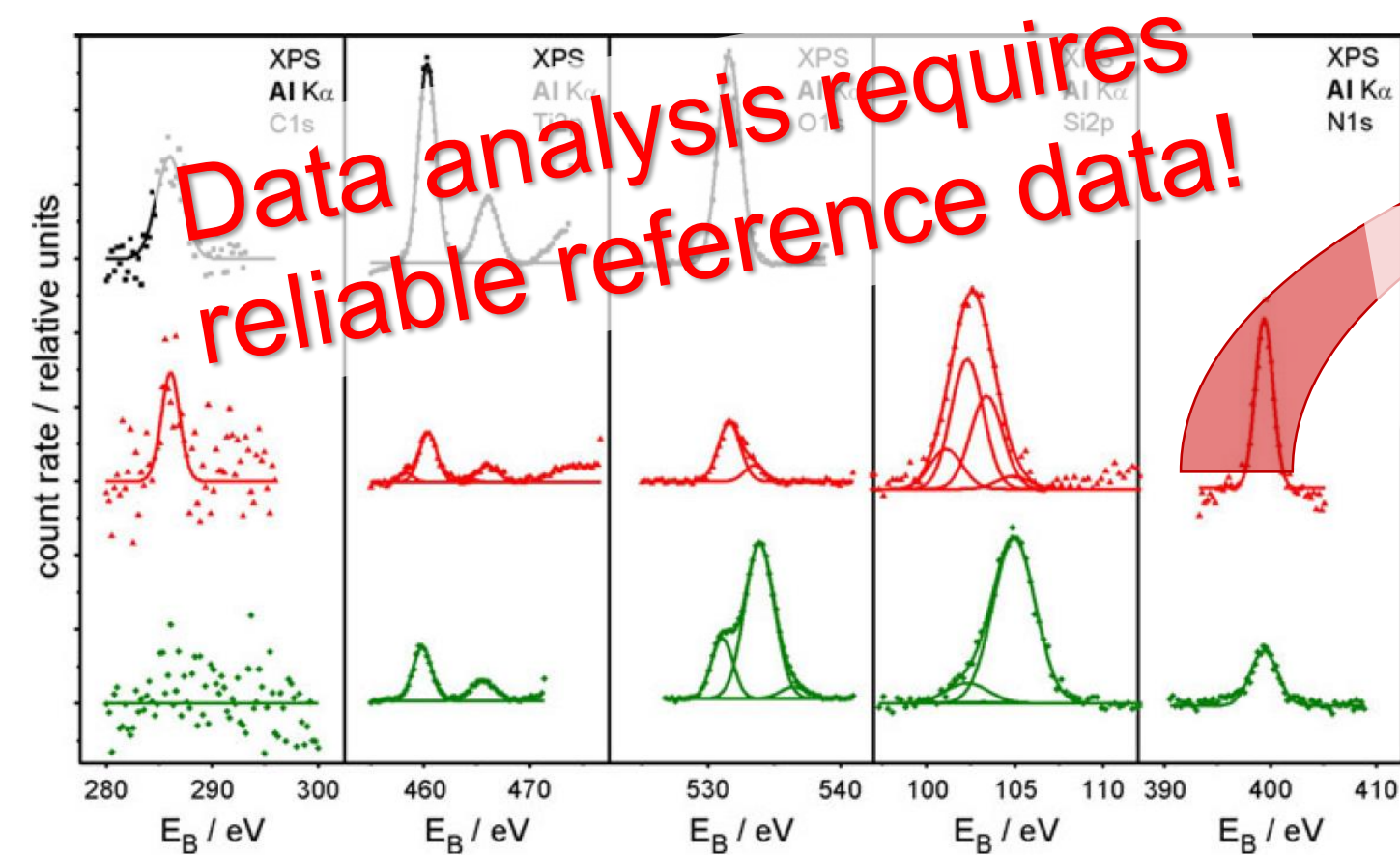University *of Ljubljana*
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WHY
experiences from my phd studies

Data analysis requires reliable reference data!

354 paper reviewed. Not a single one provides complete set of values. Instead: wrong citations & inconsistencies

Reference values combined from several selected sources. (JIGSAW APPROACH?!)

More than 350 publication out of over 3 decades, none states all details of their analysis.
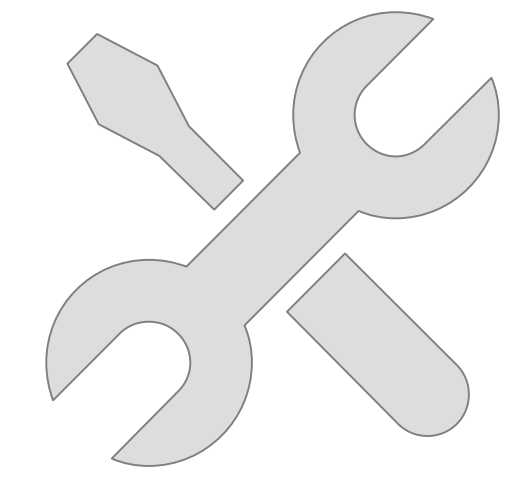
➔ **No reproducibility!**

Wrongly cited values, inappropriately conducted analysis.
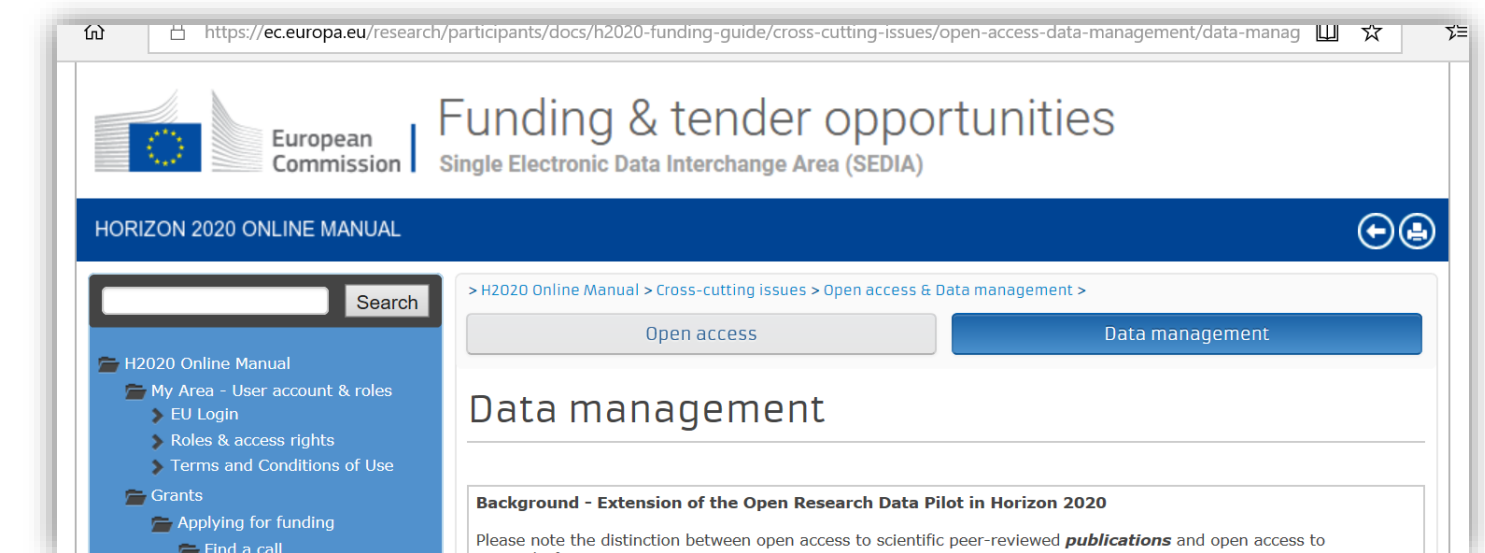
➔ **Code of Conduct for Research Integrity?**

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HOW
guidelines and tools

Information:

- Horizon 2020 online manual

- https://www.openaire.eu/

- https://www.fosteropenscience.eu/

- https://www.rd-alliance.org/

Implementation:

- https://dmponline.dcc.ac.uk/

HOW
we store and archive data
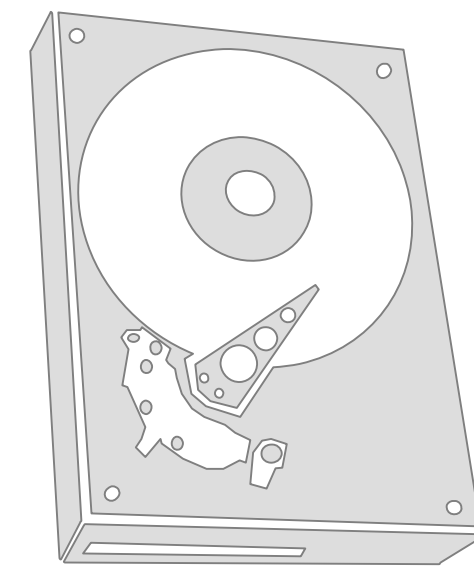
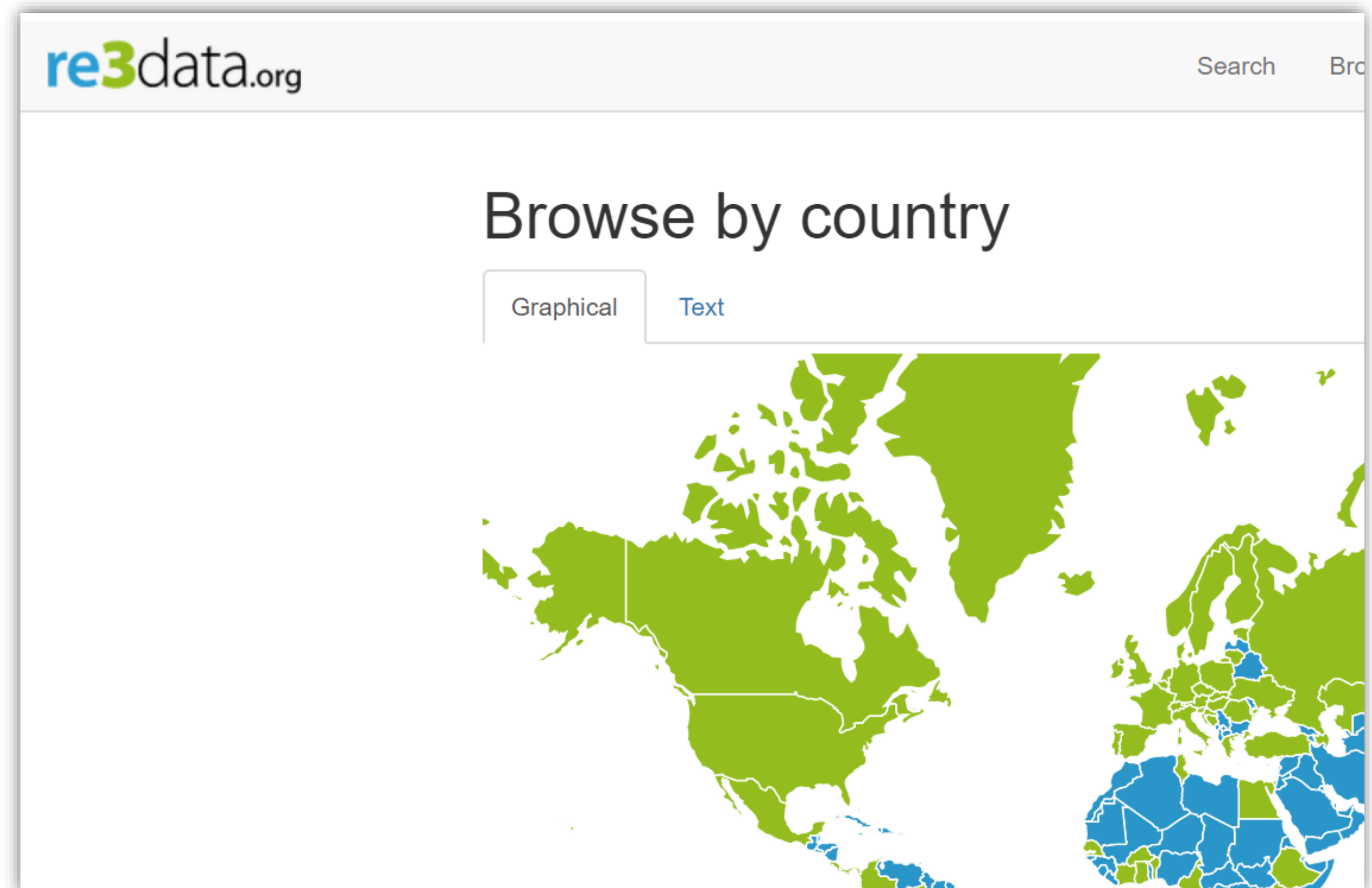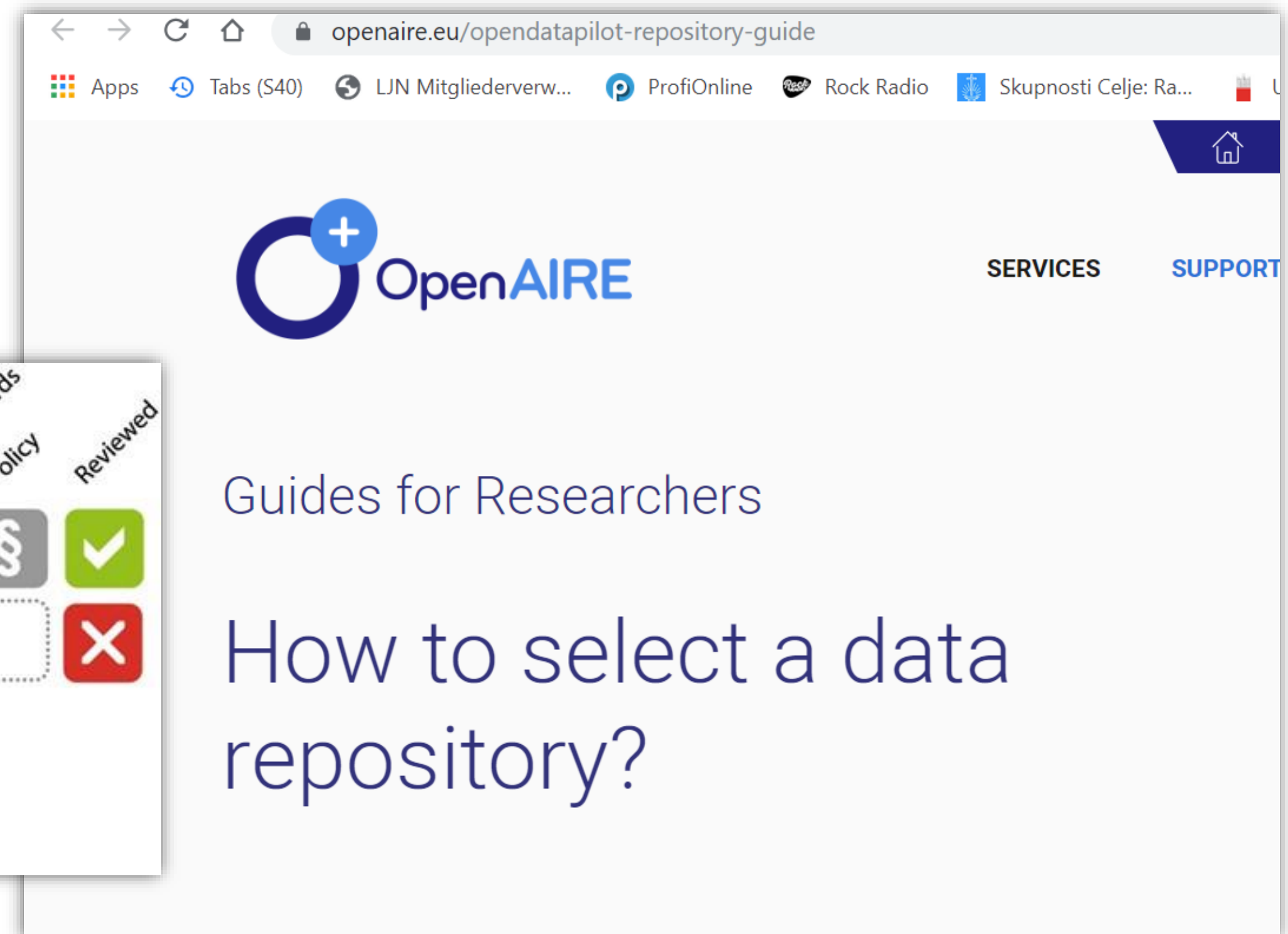❖ Store & archive all data (& notes) at Storage Area Network (SAN),

❖ Publish all data that relates to any form of publication on Zenodo,

❖ Mutually link dataset and publication using each others DOI.

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HOW
repository selection

➢ Functionality

➢ Topics

➢ Ease of use

➢ Pricing

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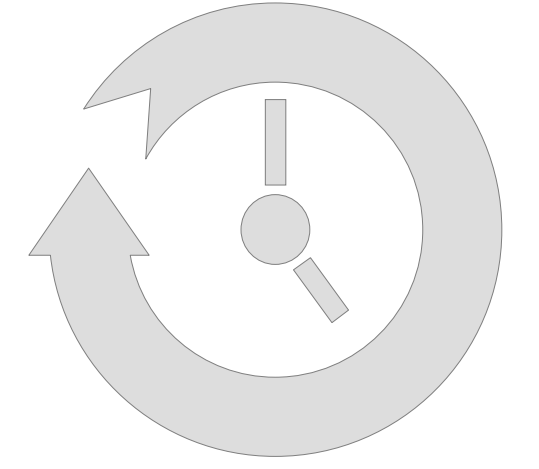
WHAT
else is included in the DMP?

- Summary & Purpose
- Types, formats, origins, expected sizes

- **F**indability
- **A**ccessibility
- **I**nteroperability
- **R**e-usability

- Resources & responsibilities
- Security and ethics

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WHAT implementation is manageable

...as always: Keep It Simple.

- Set up procedures in the beginning

- Collect data and metadata together

- Have routines in place for curation and publication

WHAT
are our impressions and suggestions

❖ Data Management Planning & Open Research Data are absolutely worthwhile

❖ Platforms, services & support are readily available

❖ Standardized procedures & mandatory training are strongly suggested

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WHAT DO YOU THINK?

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