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

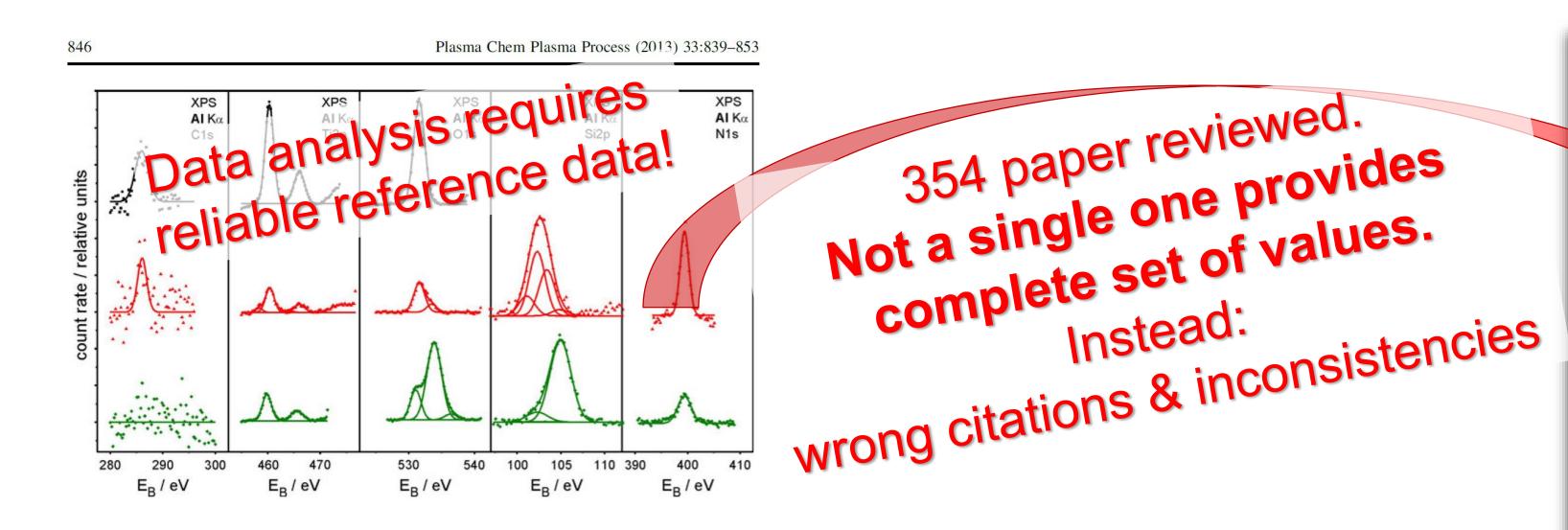
Sebastian Dahle Biotechnical faculty University of Ljubljana

Conference "Open Research Data in Slovenia" 14.11.2019, Maribor





WHY experiences from my phd studies

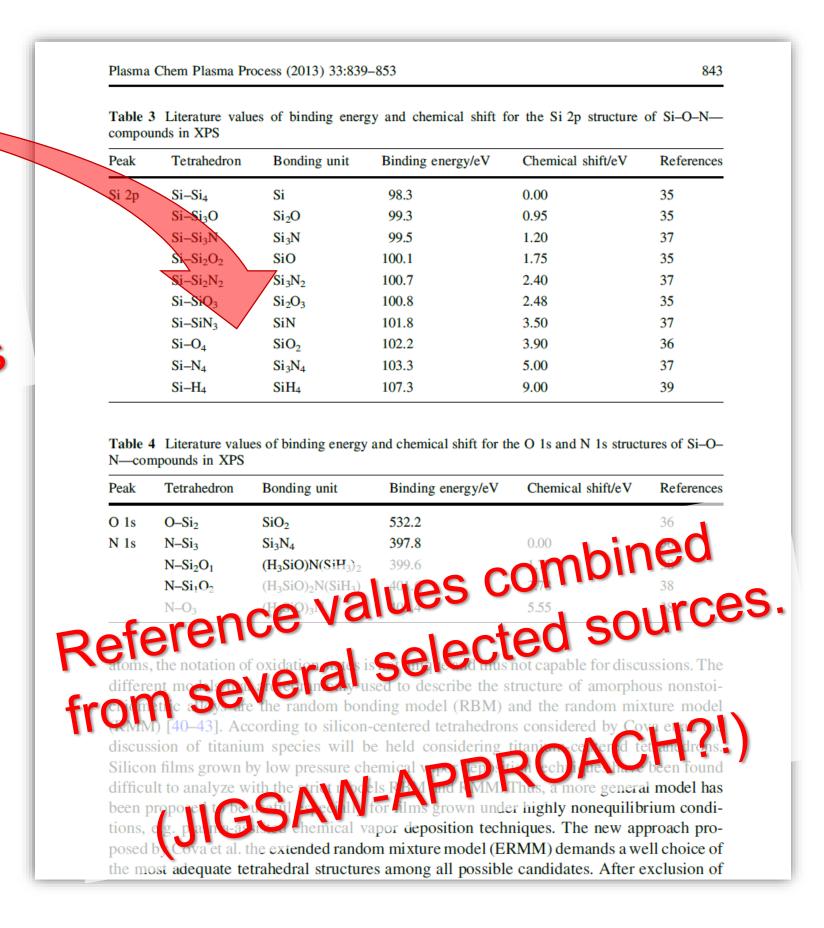


More than 350 publication out of over 3 decades, none states all details of their analysis.

→ No reproducibility!

Wrongly cited values, inappropriately conducted analysis.

→ Code of Conduct for Research Integrity?











HOW guidelines and tools

Information:

- Horizon 2020 online manual
- https://www.openaire.eu/
- https://www.fosteropenscience.eu/
- https://www.rd-alliance.org/

OpenAIRE



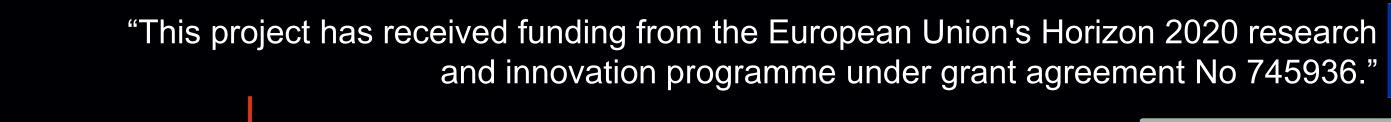
Data management

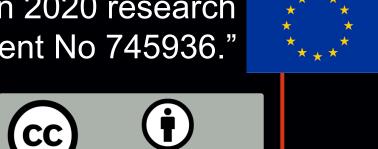


Implementation:

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







HOW we store and archive data



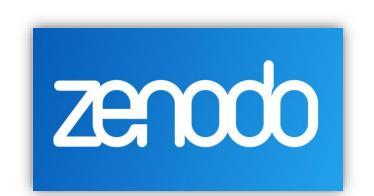
| My Dashboard Create plans Reference - Help | Language → Language → Sebastian Dahle → |
|---|---|
| Plas Store & archive all data (& archive all data) Project Details Plant Storage Area Network (Storage Area Network (Storage Area Network) Expand all collapse all storage Area Network (Storage Area Network) | |
| 1. Data summary (7 / 7) 2.1 Making Ata fin Pablublish all data that relates to 2.2 Making data any suform of publication on Zenodo, In general terms, your research data should be 'FAIR' that is findable, accessible, interoperable and re-usable. These principles precede implementation choices and do not necessarily suggest any specific technology, standard or implementation-solution. | |
| B / Using each others DOI. The selection of data for publication is carried out such that quality and reproducibility are ensured, making openly available all data that offers a potential for any kind of reuse. Therefore, all data used in any publication (journal article, conference contribution, BLOG post etc.) will be made openly available and linked to via DOI from the original publication. | Participating in the ORD Pilot does not necessarily mean opening up all your research data. Rather, the ORD pilot follows the principle "as open as possible, as closed as necessary" and focuses on encouraging sound data management as an essential part of |





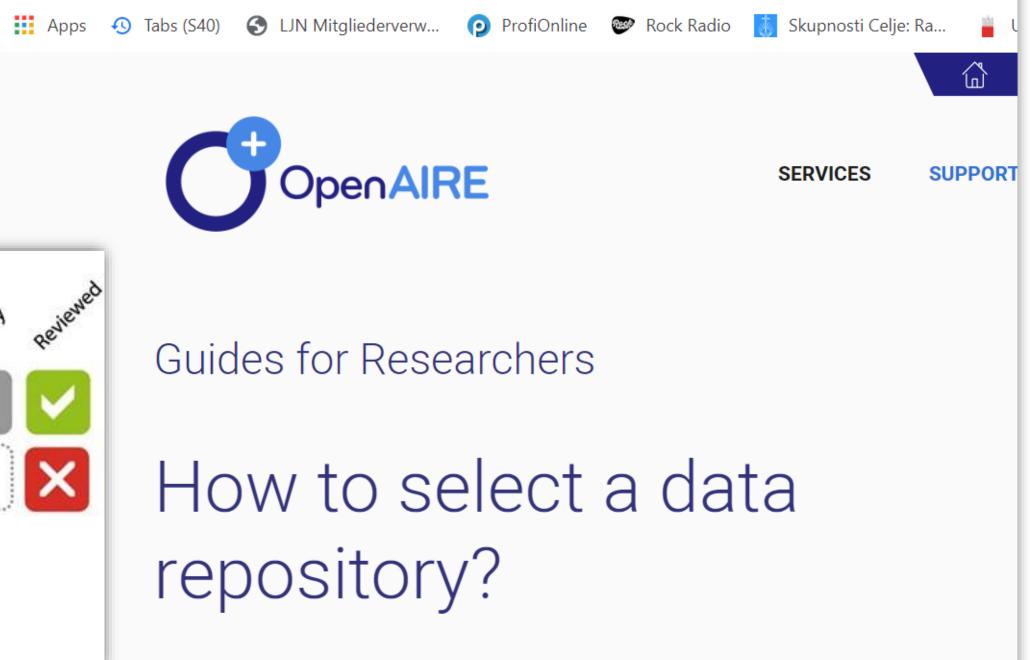
HOW repository selection

- > Functionality
- > Topics
- > Ease of use
- > Pricing

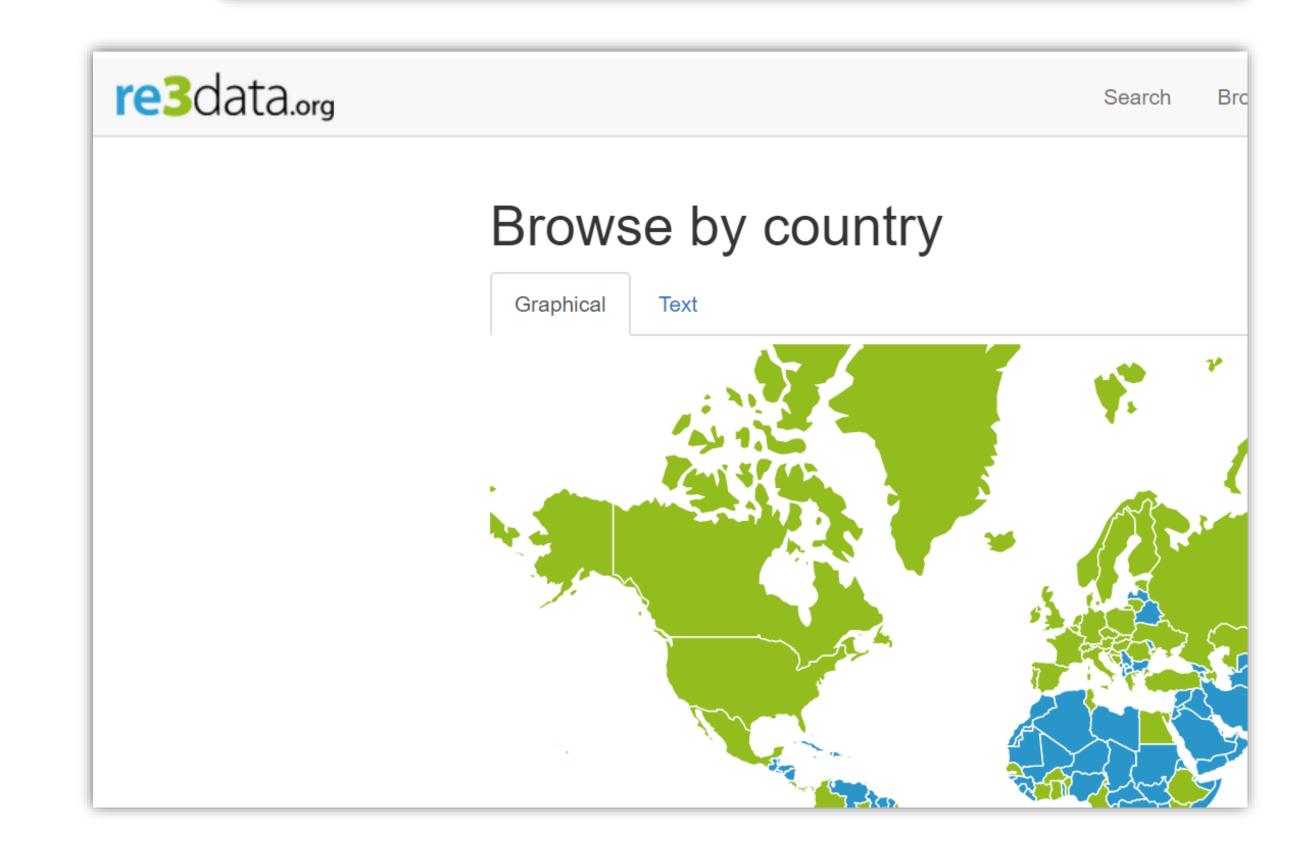








openaire.eu/opendatapilot-repository-guide







WHAT else is included in the DMP?

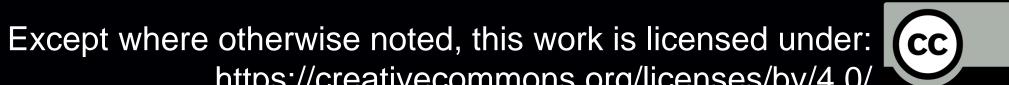


- Summary & Purpose
- Types, formats, origins, expected sizes
- Findability
- Accessibility
- Interoperability
- Re-usability
- Resources & responsibilities
- Security and ethics



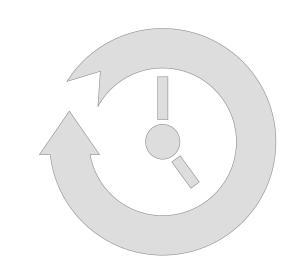


https://creativecommons.org/licenses/by/4.0/

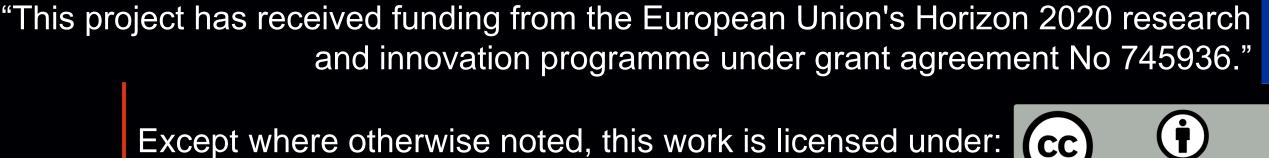




WHAT implementation is manageable



- ...as always: Keep It Simple.
- Set up procedures in the beginning
- Collect data and metadata together
- Have routines in place for curation and publication

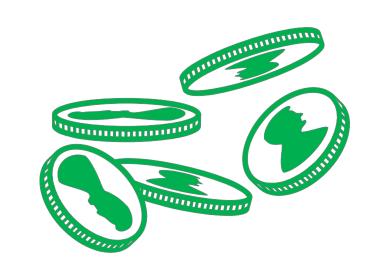






WHAT are our impressions and suggestions

Data Management Planning & Open Research Data are absolutely worthwhile



Platforms, services & support are readily available

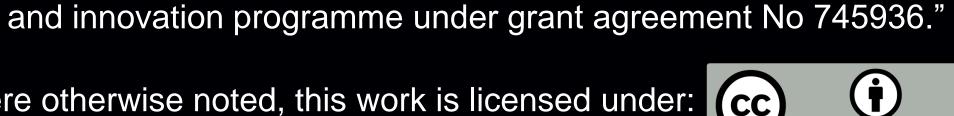


Standardized procedures & mandatory training are strongly suggested









"This project has received funding from the European Union's Horizon 2020 research

WHAT DO YOU THINK?





