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

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WHY experiences from my phd studies

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

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.
HOW repository selection

- Functionality
- Topics
- Ease of use
- Pricing
WHAT else is included in the DMP?

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

• Findability
• Accessibility
• Interoperability
• Re-usability

• Resources & responsibilities
• Security and ethics
**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
WHAT DO YOU THINK?