

Be prepared to share your research data

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A background image of a woman wearing a wide-brimmed hat, looking at a laptop. The image has a slightly grainy, painterly texture. The text is overlaid on the lower half of the image.

Be Prepared!

to share your research data

FuTure Meeting, 27-05-2014

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The data librarian: Your partner for depositing your data at 3TU.Datacentrum

Leon Osinski works at the Information Expertise Center / Library at Eindhoven University of Technology. In the past years, Leon spent more and more time supporting researchers with data management and acquiring datasets for 3TU.Datacentrum. Anticipating the fast developments in the field, Osinski was officially appointed as a 'data librarian' in May 2012. In Eindhoven, Leon is proactively providing support for the future where depositing your data will be just as natural as doing the research itself. At this moment Osinski focuses on PhD students in order to acquire the datasets belonging to their PhD projects. He organizes tailored workshops on research data management for researchers. "Often, researchers do not know which part of their data they should submit to a long-term data archive like 3TU.Datacentrum. It helps to sit down together, leaving no data overlooked". A close co-operation between a researcher and a data librarian, ensures that datasets remain understandable for years to come.

What Osinski likes about being a data librarian is being a pioneer. He is constantly on the outlook for new services

that may benefit the research community. What he would like the most is that researchers call him in advance and say 'Soon I'm going to start a research project that will generate a lot of data that I would like to have archived and eventually published. Can you help me find a way to do so?'

Leon finds his inspiration in the shift of the focus from publications to research data: "Researchers are much more keen to tell about their data than about their publications. Being a data librarian has brought me closer to the scientific process. And I love it".

Find Leon Osinski
<http://www.linkedin.com/pub/leon-osinski/6/385/125>





Why

you should be prepared? [1]

Because this is expected by:

- Funders [[NWO](#), [ZonMW](#), [EC](#)]
- Journals [[here](#), [here](#), [here](#), [here](#)]
- Professional organizations: VSNU [code of conduct](#), [KNAW](#)
- Research evaluators: VSNU [SEP protocol](#)
2015-2021



EC

[Horizon 2020](#) #1: model grant agreement

- “... the beneficiary *must aim* to deposit at the same time the research data needed to validate the results presented in the deposited scientific publications, ideally into a data repository.” [[Model grant agreement](#), p. 58, italics mine]
- “... the notion of ‘publication’ increasingly includes the data underpinning the publication and results presented (...) This data is needed to validate the results presented (...) Beneficiaries are also invited to grant open access to this data, but there is no obligation to do so.” [[Guidelines on open access](#), p. 7]



EC

Horizon 2020 #2: [Open research data pilot](#)

- “... aims to improve and maximise access to and re-use of research data generated by projects for the benefit of society and the economy.”
- “Regarding the digital research data (...), the beneficiaries *must*: deposit in a research data repository and take measures to make it possible (...) to access, mine, exploit, reproduce, and disseminate – free of charge for any user (...) the data ... [italics mine]
- Two types of data: data underlying publications and other data as indicated by researchers in DMPs [raw data or curated data not directly attributable to a publication]
- “Participating projects will be required to develop a Data Management Plan (DMP), in which they will specify what data will be open.”
- “Projects may opt out of the pilot to allow for the protection of intellectual property or personal data; in view of security concerns; (...)”
- “As an exception, the beneficiaries do not have to ensure open access to specific parts of their research data...”





Why

you should be prepared? [2]

Because you benefit from it

- data sharing increases your visibility ; papers with data attached are cited more often
- data sharing is an indication of the trustworthiness of your research





How

you can prepare yourself? [1]

Data sharing implies research data management [RDM] during your research, or: RDM prepares the way for sharing your data after the project

RDM: caring* for your data with the purpose of protecting their mere existence and making them available to others



*Goodman A, et al. (2014) Ten simple rules for the care and feeding of scientific data. PLoS Comput Biol 10(4): e1003542. [doi:10.1371/journal.pcbi.1003542](https://doi.org/10.1371/journal.pcbi.1003542)

Source: [Research Data Netherlands](https://www.researchdata.nl/) / Marina Noordegraaf

How

you can prepare yourself? [2]

Protection against physical loss and destruction

storage, backup

Protection against intellectual loss and unretrievability

metadata, documentation

Protection against unauthorized use

access control





How

you can prepare yourself? [3]

[Dataverse Network](#): data lab for research data where you may

- store your data in an organized and safe way
- clearly describe your data
- arrange access to your data
- get recognition for your data



How

you can share your data? [1]

During your research

Dataverse Network

After your research: publishing and archiving in
a repository

[3TU.Datacentrum](#), [Figshare](#), [Zenodo](#), [DANS](#), [Dryad](#)

After your research: a (data) journal

[J Open Psychology Data](#), [Geoscience Data J](#)



How

you can share your data? [2]

“What research data and waste have in common is that’s worthwhile to reuse them.”

Lilliana Abarca-Guerrero (2014), [A construction waste generation model for developing countries](#), PhD thesis TU/e, proposition 9

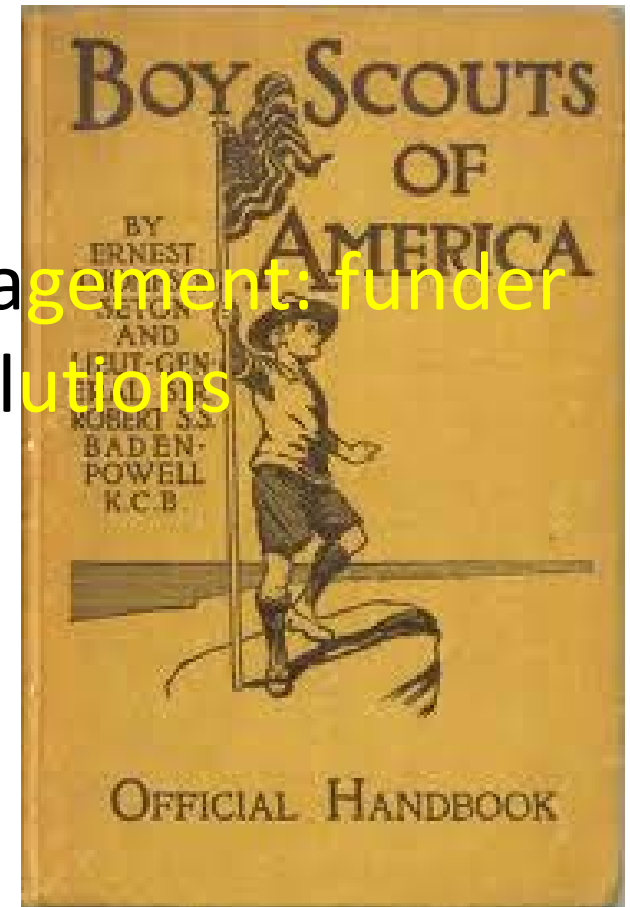


Support

Data Coach

Symposium Research data management: funder requirements, questions and solutions

Wednesday, 11 June, 13:30-17:30, Dorgelozaal



Wrap up

Be prepared to share your data because it's required and because you benefit from it

Preparation = careful and responsible data management





Discussion

questions

Questions

- Do you experience data management problems within your work?
- Do you feel a need for more formal data management procedures / data management planning within your work / laboratory?
- Would you consider publishing your research data sets, i.e. to make them public available?
- Do you have reasons not to publish your research data?
- Are there privacy, legal or security issues involved with your data?
- Has someone ever asked for your research data?

