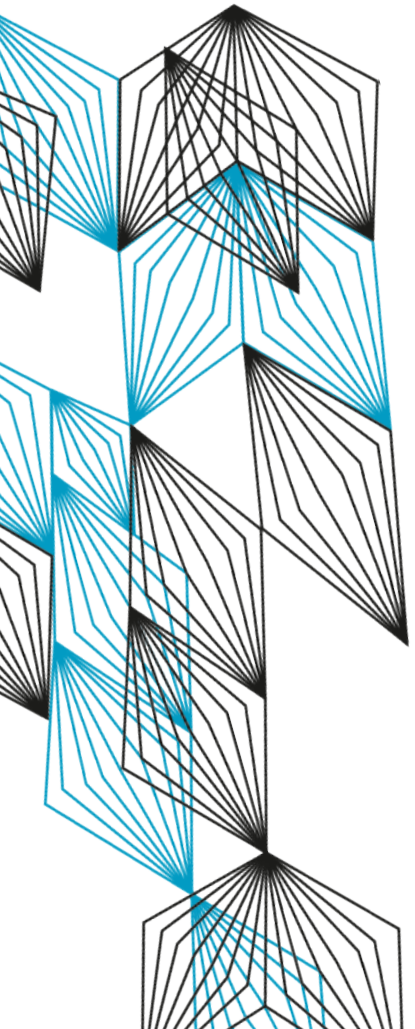


WHAT TO DO WITH THE DATA AFTER YOUR RESEARCH?

DCC THEMATIC SESSION 31-05-2021

SIMONE FRICKE, DATA STEWARD ET&TNW

UNIVERSITY OF TWENTE.

What do you currently do with your data after the research?*

(Multiple answers possible)

1. I delete the data
2. I store the data on a personal device (e.g. (UT) laptop, external hard drive, …)
3. I store the data on an external hard drive that is stored at group facilities
4. I store the data on a shared network drive/archive of the research group/institution
5. I upload the data to a data repository (e.g. DANS, 4TU.ResearchData)
6. I do not know yet
7. *Other → mention this in the chat*

→ Teams poll

*Disclaimer: This question and the following slides will only be about digital data (i.e. not about other data types such as physical samples)

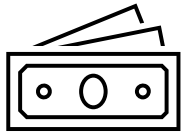
WHY SHOULD YOU THINK ABOUT WHAT TO DO WITH THE DATA AFTER THE RESEARCH?

☑ Validation of results → integrity, trust

 Larger impact due to possible reuse (within/outside research group), additional citations possible

→ think about this already during the research

WHAT DO OTHERS EXPECT?



Funders' requirements

Various requirements regarding data archiving/publication
e.g. NWO: preserve data for at least 10 years
share data related to publications publicly, unless…
deposit data in trusted repository

Publishers' requirements

Various requirements regarding data underlying publications
e.g. Springer: encouraging data sharing and citation
data availability statements (for some journals)
peer review of data (for some journals)

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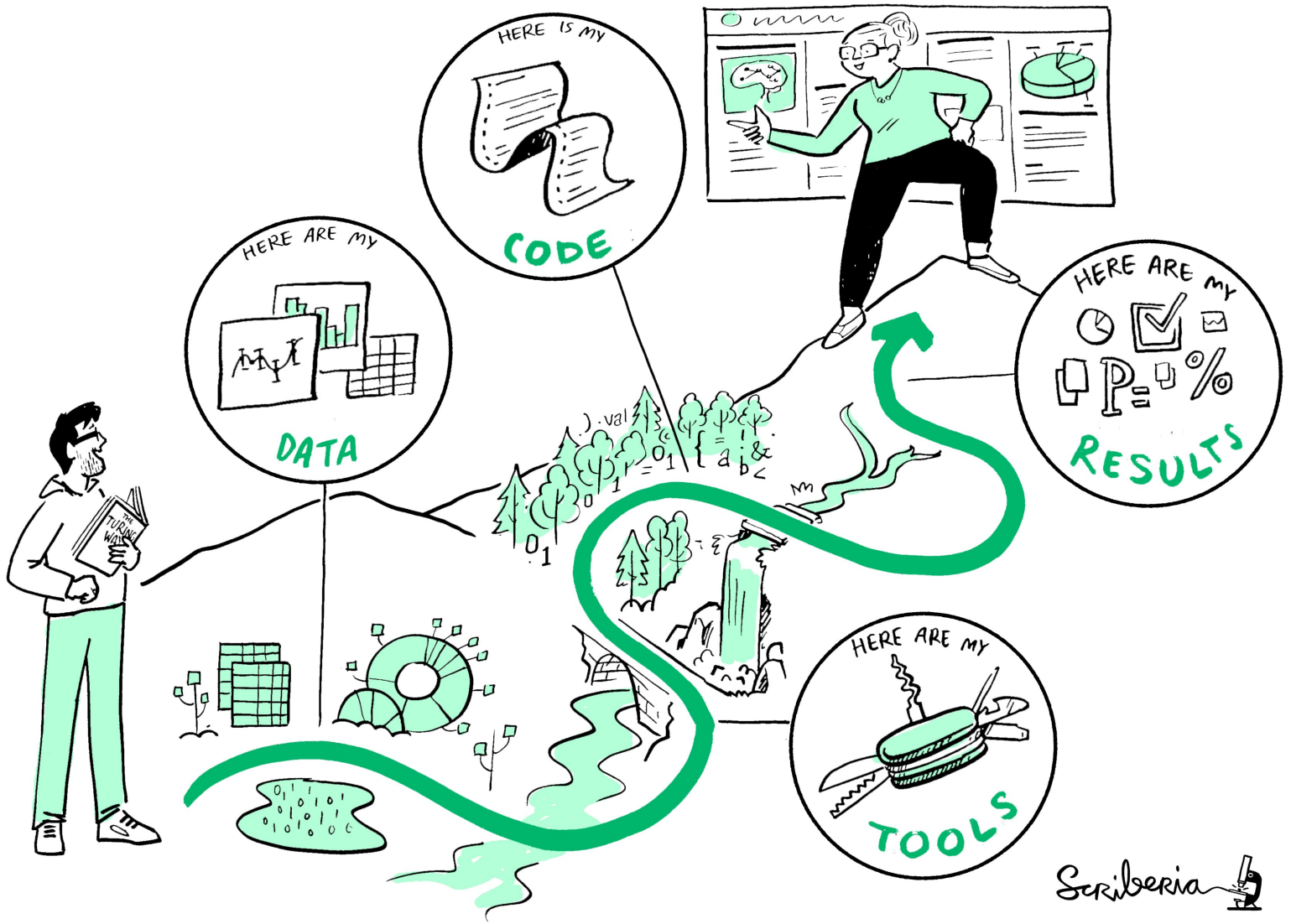
University of Twente's, faculties' requirements

WHICH DATA SHOULD BE PRESERVED?



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WHERE CAN DATA BE PRESERVED?

- At the University of Twente (archiving, sharing internally):
  - AREDA (newly developed UT data archive) → more information will follow
  - Group storage (e.g. UT network drive)

- Publish in repository (reuse, citations of data):

4TU.ResearchData
SCIENCE • ENGINEERING • DESIGN

- E.g. technical and natural sciences, geosciences
- GitHub integration

Data Archiving and Networked Services
DANS

- E.g. humanities, health sciences, social and behavioral sciences, geosciences

→ some overlap

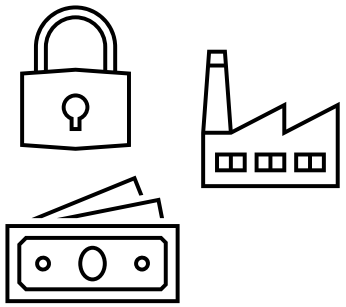
re3data.org
REGISTRY OF RESEARCH DATA REPOSITORIES

Find other (discipline-specific) certified repositories

DOES ALL DATA NEED TO BE PUBLICLY AVAILABLE IN A REPOSITORY?

No, but as much as possible. Examples of exceptions:

Personal data:
- if possible, anonymize/pseudonymize and/or aggregate data
- consent from participants needed



Commercial interests, patents, data owned by others, data related to public security, political interests:
- make clear agreements (in the beginning)
- if possible, publish after embargo period

WHAT'S NEXT?

Researcher's experiences
→ Interview

Questions?
After the interview, or now in the chat

4TU.ResearchData
SCIENCE • ENGINEERING • DESIGN

Data Archiving and Networked Services
DANS

How to upload your data to a repository?
→ Demos

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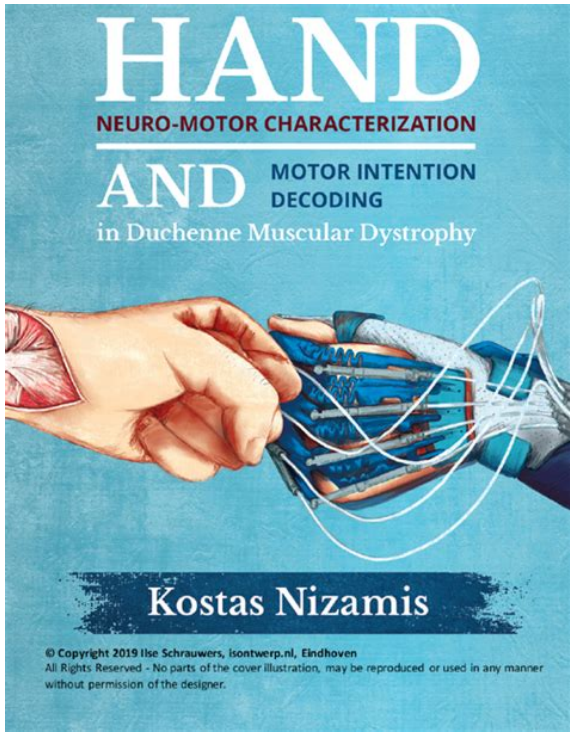
RESEARCHER'S EXPERIENCES

Kostas Nizamis



Currently:
Assistant Professor at the Design, Production & Management Department (ET)

Previously:
PhD at the Biomechanical Engineering department (ET)
4 published datasets

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