Documentation of data making, processing and use facilitates future reuse of research data

the CAPTURE project

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CApturing Paradata for documenTing data creation and Use for the REsearch of the future (CAPTURE)

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CAPTURE
Who we are

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Problem
Lack of contextual knowledge on the creation and use of research data

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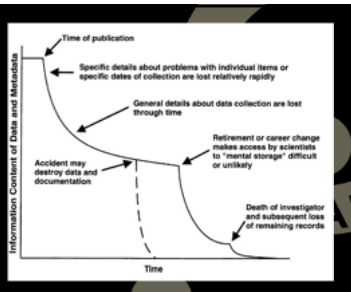

Michener, William K., James W. Brunt, John J. Helly, Thomas B. Kirchner, och Susan G. Stafford. "Nongeospatial Metadata for the Ecological Sciences". Ecological Applications 7, nr 1 (1997): 330–42. https://doi.org/10.1890/1051-0761(1997)007[0330:NMFTES]2.0.CO;2.

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What information about the creation and use of research data is needed and how to capture enough of that information to make the data reusable?

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Paradata
data on the processes of its creation and use

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How paradata is #1 created and #2 used at the moment, #3 methods for capturing paradata on the basis of the findings of #1-2, #4 tests the new methods in field trials, and #5 synthesises the findings in a reference model to inform the capturing of paradata and enabling data-intensive research

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Aims

- How archaeologists document their data creation, curation and use
- What archaeologists (re)using data need to know about data creation, curation and use
- Test a selection of methods for capturing and conveying paradata for research
- Develop theoretical and practiacl understanding for working with paradata

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Empirical work

- Standards
  - Börjesson, Lisa, Olle Sköld, och Isto Huvila. "The politics of paradata in documentation standards and recommendations for digital archaeological visualisations". Digital Culture and Society 6, nr 2 (2020): 191–220. https://doi.org/10.14361/dcs-2020-0210.
  - Forthcoming study on data documentation standards
- Archaeological field reports
  - E.g., Huvila, Isto, Olle Sköld, och Lisa Börjesson. "Documenting information making in archaeological field reports". Journal of Documentation 77, nr 5 (2021): 1107–27. https://doi.org/10.1108/JD-11-2020-0188.
- Field manuals
  - Huvila, Isto, och Olle Sköld. "A Fieldwork Manual as a Regulatory Device: Instructing, Prescribing and Describing Documentation Work". Journal of Information Science, 19 oktober 2023, 01655515231203506. https://doi.org/10.1177/01655515231203506.

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- Datasets
  - Börjesson, Lisa, Olle Sköld, Zanna Friberg, Daniel Löwenborg, Gísli Pálsson, och Isto Huvila. "Re-Purposing Excavation Database Content as Paradata: An Explorative Analysis of Paradata Identification Challenges and Opportunities". KULA: Knowledge Creation, Dissemination, and Preservation Studies 6, nr 3 (2022): 1–18. https://doi.org/10.18357/kula.221.
- Interviews
- Survey
- Information organisation systems

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Documenting enough, not too much.

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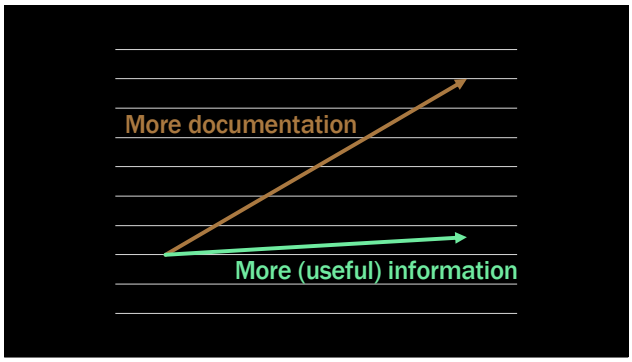

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Much paradata is available in existing documentation.

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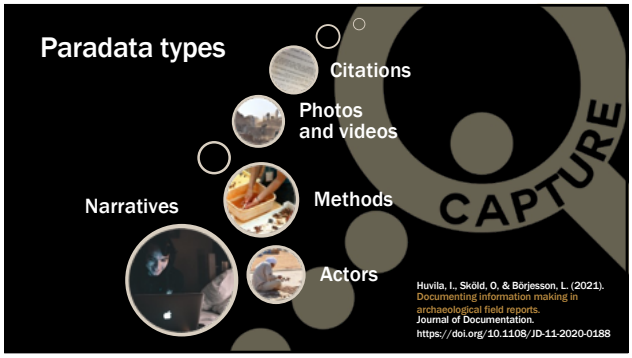

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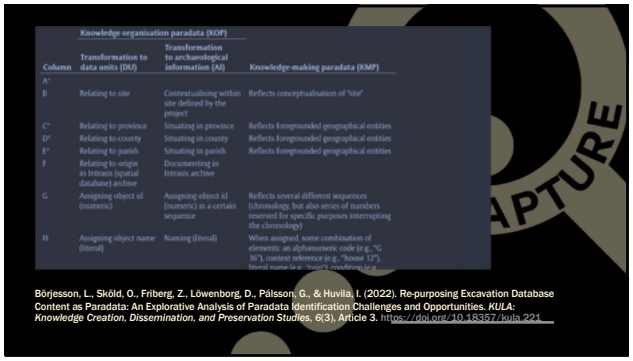

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Documenting useful information.

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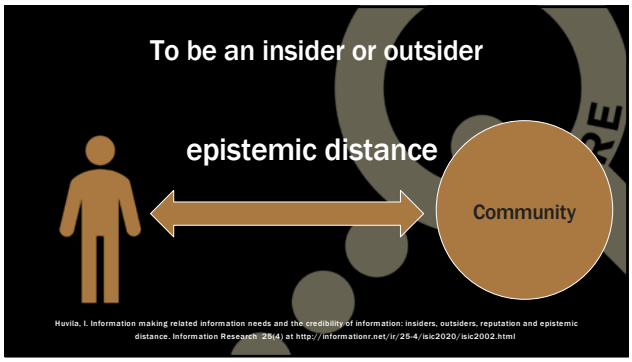

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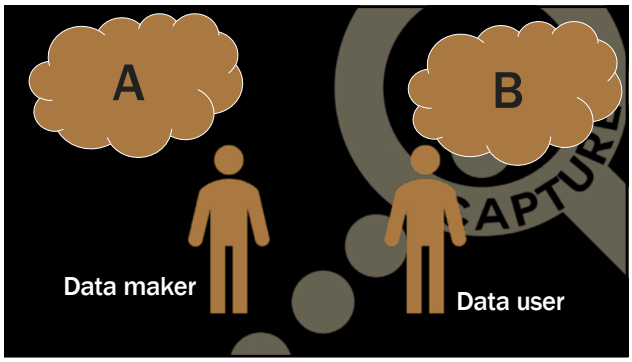

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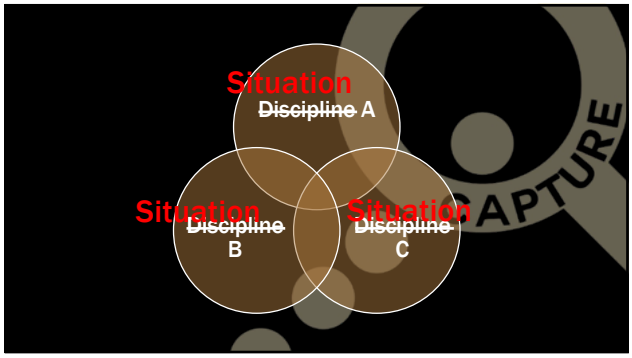

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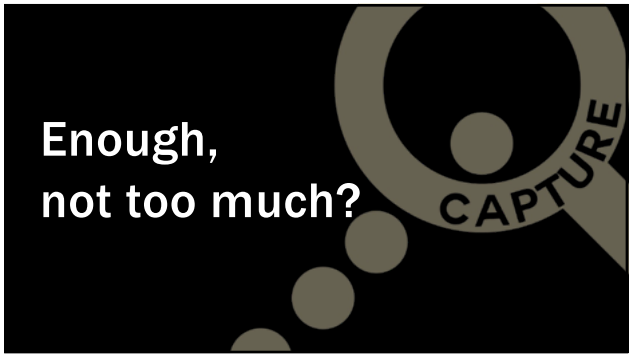

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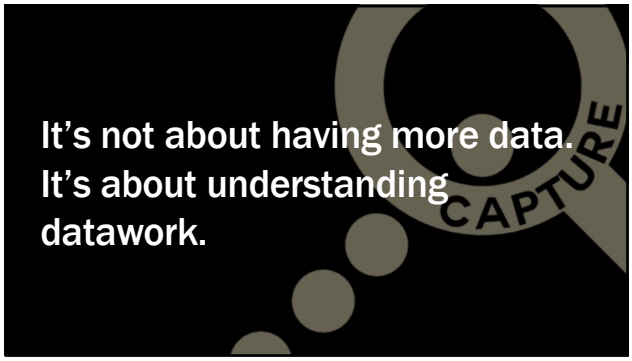

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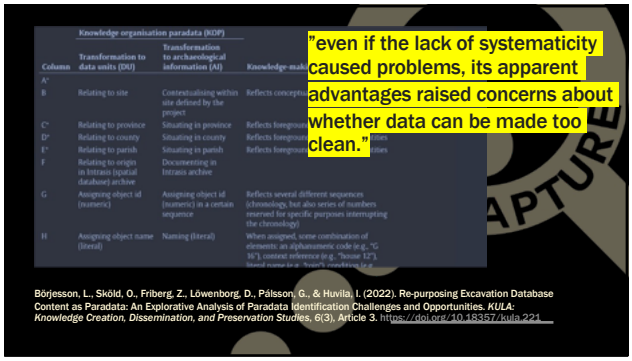

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