

FAIR Data Practices for Qualitative Research in Transdisciplinarity

Franziska Mohr¹, Mollie Chapman¹, Bianca Vienni-Baptista¹, [Lars Schöbitz](#)², Elizabeth Tilley²

Advancing Open Research Data (ORD) Practices: collaboration and innovation in the ETH Domain

12.06.2025

Slide download



FAIRqual project



Franziska



Mollie



Bianca



Lars



Liz

TdLab

Global Health
Engineering

Aim:

Guide to capture essential characteristics of data objects to make data reusable for humans and machines

- **F**indable
 - I.e. (Meta)data have a persistent identifier
- **A**ccessible
 - I.e. (Meta)data are retrievable (open or authentication / authorization procedure where necessary)
- **I**nteroperable
 - (Meta)data use a formal, broadly applicable language for knowledge representation to integrate them with other data
- **R**eusable
 - I.e. (Meta)data are well-described with accurate and relevant attributes

Challenges of sharing qualitative data and data of research in transdisciplinarity

1. Practical issues
2. Ethical commitments
3. Epistemological traditions
4. Origin of Open Science practices

PAPER	Audio- Visual	Contextual Data	Intangibles
Collaboration Guide Post-It Flipchart Mind maps Working Notes Rich Pictures Participant Info Reports Personal Notes/Field notes Key words Lists of Measurements Dot-mocracy Guidelines + Factsheets	PPT Slides Photos Videos Maps Constructions from Legos Collage Z'ines Vision Boards	Prototypes Spreadsheets News Coverage Bills Catering Leftovers E-mail lists Logistical Documents	Networks Knowledge New Ideas A Mindset <u>Mess</u> New Concepts + Methods Working Groups X- & Diff Interest Groups Questions Negotiations Personal Experience Stress + Fatigue Fun Hot Air Social Dynamics

Brainstorming data types, TdLab Brown Bags Lunch March 18, 2025

Challenges of sharing qualitative data: Practical issues

1. Interviews
 1. Many hundreds of pages of transcripts that require often detailed reading to fully anonymize
 2. Removing names is not enough
 3. Audio recordings are highly personal (local storage only, no use of cloud services)
2. Other kinds of data are heterogenous, e.g.,
 1. Workshop outputs (flip charts, post-it notes, manual summaries)
 2. Audiovisual (photos or videos)
 3. Focus groups
 4. Participant observation and fieldnotes
 5. Mapping
 6. Artistic outputs

Challenges of sharing qualitative data: Ethical commitments

1. Standard research ethics require confidentiality
 1. To protect participants
 2. To create an atmosphere of trust
2. Sharing fears
 1. Misuse of shared data
 2. Politization of data
 3. Loss of context

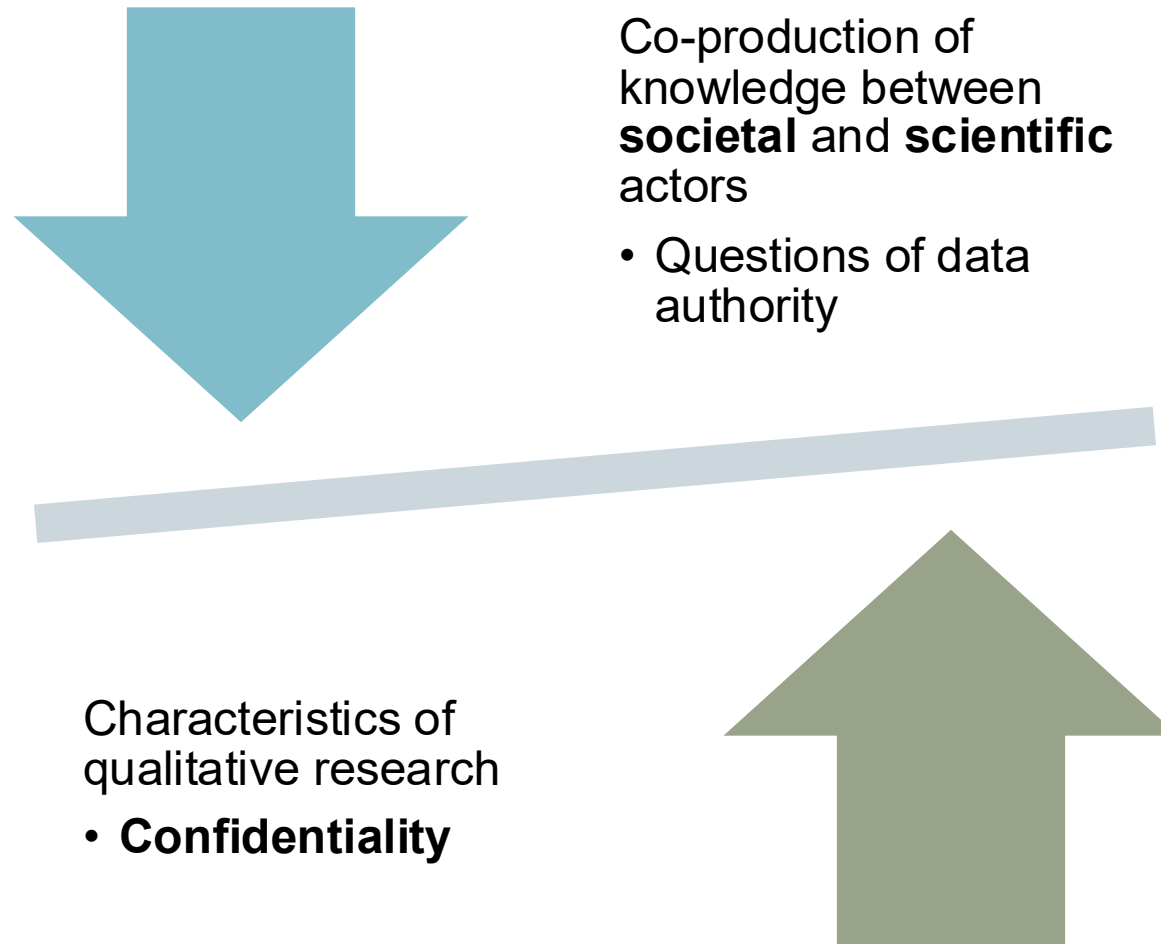
Challenges of sharing qualitative data: Epistemological traditions

1. “you had to be there”
 1. Importance of embodied research (being in the place, feeling what happened)
 2. Integration of emotion, experience, context
2. Need to immerse yourself in the data to analyze it properly

Challenges of sharing qualitative data: Origin of Open Science practices

1. Current movement mostly based in quantitative tradition means not always suited to qualitative or Td data and traditions

Sharing qualitative data in Transdisciplinary (Td) research



Qualitative data requires variable levels of access

“open by default” is not an option

		Level of Access			
		Closed	Controlled	Restricted	Open
Level of processing	Raw data				
	Full data without identifiers				
	Excerpted / partial data				
	Final analysis				

FAIRqual project

<https://fairqual.org>



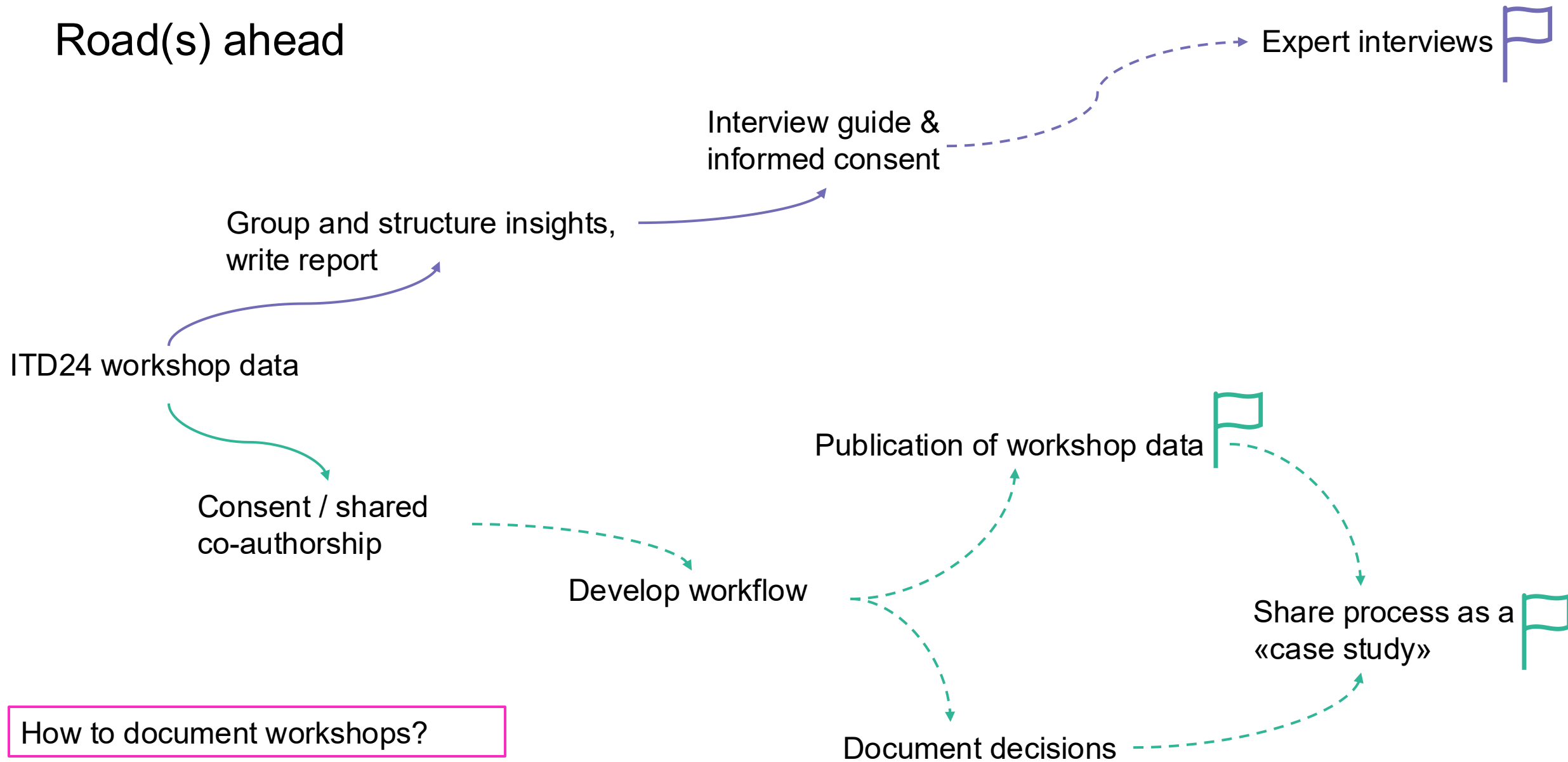
Project website

- Explore how to apply FAIR principles for qualitative data in Td research...
 - ... from a conceptual angle
 - ... from a technical angle
- Based on what?
 - Workshop at ITD2024 – “feeling the pulse”
 - Expert interviews with Td researchers and open science experts
- Develop guidelines and demonstrate potential practices based on data collected during FAIRqual on case studies of all project parts
 - Workflows that could work for TdLab
 - Wider outreach through publications, community of practice

Workshop at ITD24



Road(s) ahead



Literature

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Questions & comments

