Towards achieving FAIR research results

In Social Sciences and Humanities (SSH)

UNIVERSITÄT BERN

FAIR

- **Why?**
- Metadata for machines!

While **FAIR-data Pipelines** are created for machine-to-machine (M2M) communication, a **FAIR-SSH-data Pipeline** shall also aid researchers creating transparent, replicable and reproducible research data, as well as (if required) providing a secure framework for dealing with sensitive data, i.e., **FAIR-SSH-sensitive-data Pipelines.**

FAIR in SSH

- **How?**
- Updating processes!

Sensitive data

- **What?**
- Updated procedures!

Publication

Towards compatibility with other OS SSH efforts, e.g., **FAIRCORE4EOSC (CLARIN)**

USE CASE: AUDIO DATA WITH SENSITIVE (PERSONAL) INFORMATION

1 FAIR-SSH-Data-Planning | 2 FAIR-SSH-Metadata | 3 Pseudo-SSH-Data* | 4 Pseudo-SSH-Data Collecting | 5 Pseudo-SSH-Data Processing | 6 Anonymization** SSH-Data Results | 7 **FAIR**-SSH-Results Publishing

FAIR Plan | Data Collect | Data Process | Results Publish

Planning for FAIRification

Input:
- Agreed FAIR strategy

Output:
- Pseudonymization* table (de-identified IDs)
- FAIR metadata schema

Towards Interoperable
Pseudonymized*

Input:
- Agreed file formats (e.g., .mp3)

Output:
- Audio file (ID)

Towards Reusable
Pseudonymized*

Input:
- Audio file (ID)

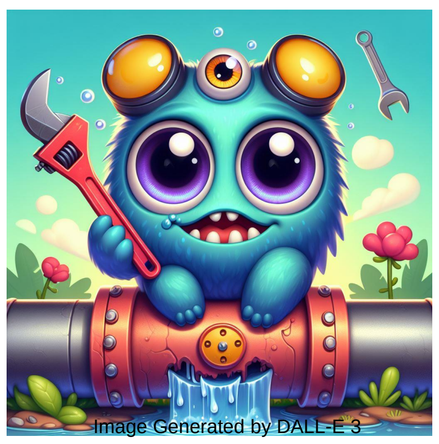
Output:
- FAIR transcript (ID)

Findable + Accessible

Input:
- Research results data, **anonymized****
(e.g., by aggregation)

Output:
- Shared FAIR result (e.g., Assets with DOIs)

FAIR → **FAIR** → **FAIR** → **FAIR**



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FAIRification for Sensitve Data Planning

I) Sensitive Data Planning

1.1. Intellectual Assets;

1.2 Pseudonymization Strategy,

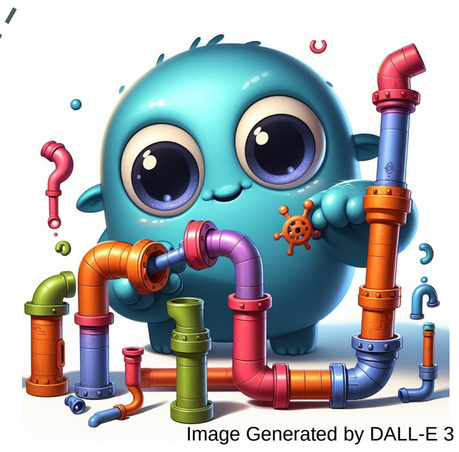
1.3 FAIR-SSH-Pipeline Drafting

PSEUDONYMIZATION*

II) Pseudonymized* Data Collecting/Processing

ANONYMIZATION**

III) FAIR-SSH-Data Results Publishing



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*If needed, for sensitive data handling (e.g., personal information from interviews)
** If needed for results sharing based on sensitive data (e.g., by aggregation)

Contact

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