

Making Data Shareable – the KEEN Data Management Platform

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GOAL: Establish and operate a common central Data Management and Storage Platform.

Dataverse – An Open-Source platform to store, share and find data.
 Developed at Harvard's Institute for Quantitative Social Science (IQSS) in 2006

Features:

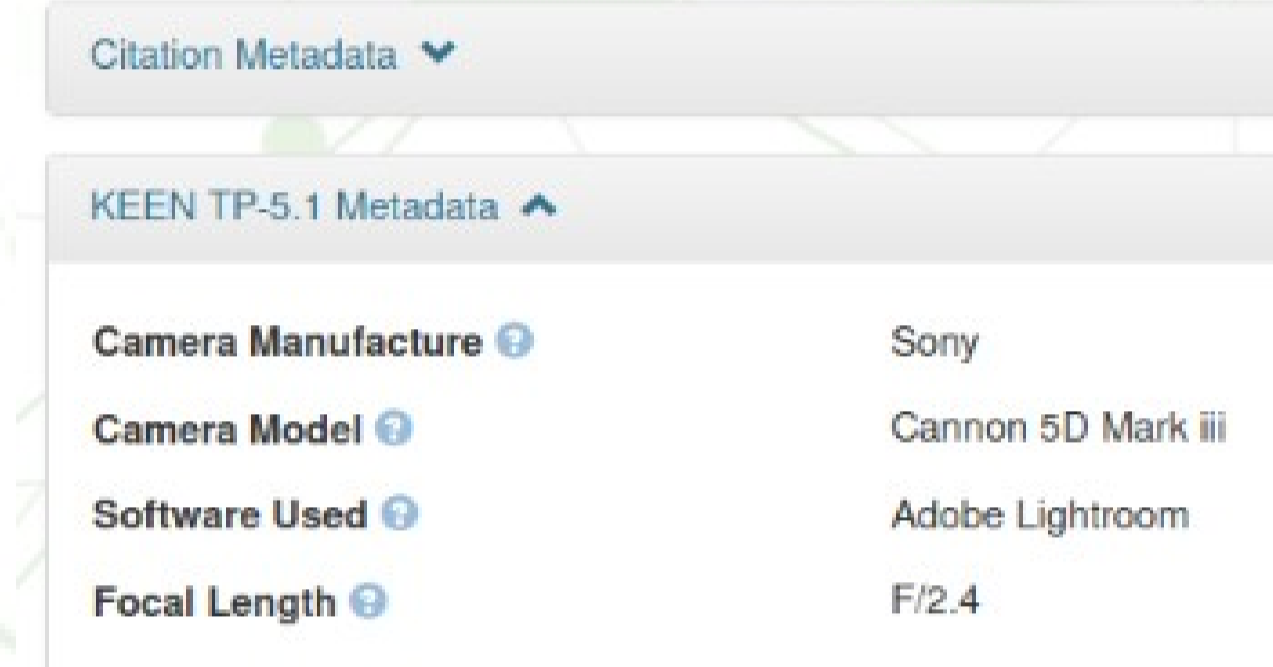
a. Supports FAIR Principle

- F**INDABLE
- A**CCESIBLE
- I**NTEROPERABLE
- R**EUSABLE

b. Web Interface and APIs



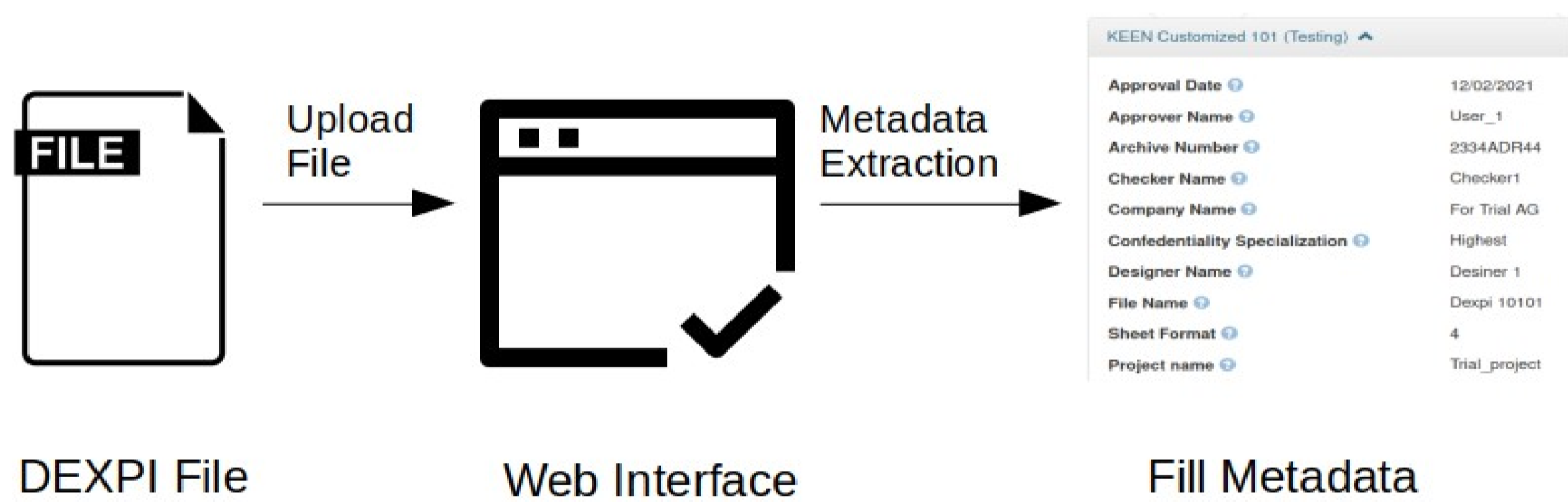
c. Metadata Customization



d. Others:

- Data Privacy
- Integration with External Tools
- Persistent IDs/URLs
- Publishing Workflows

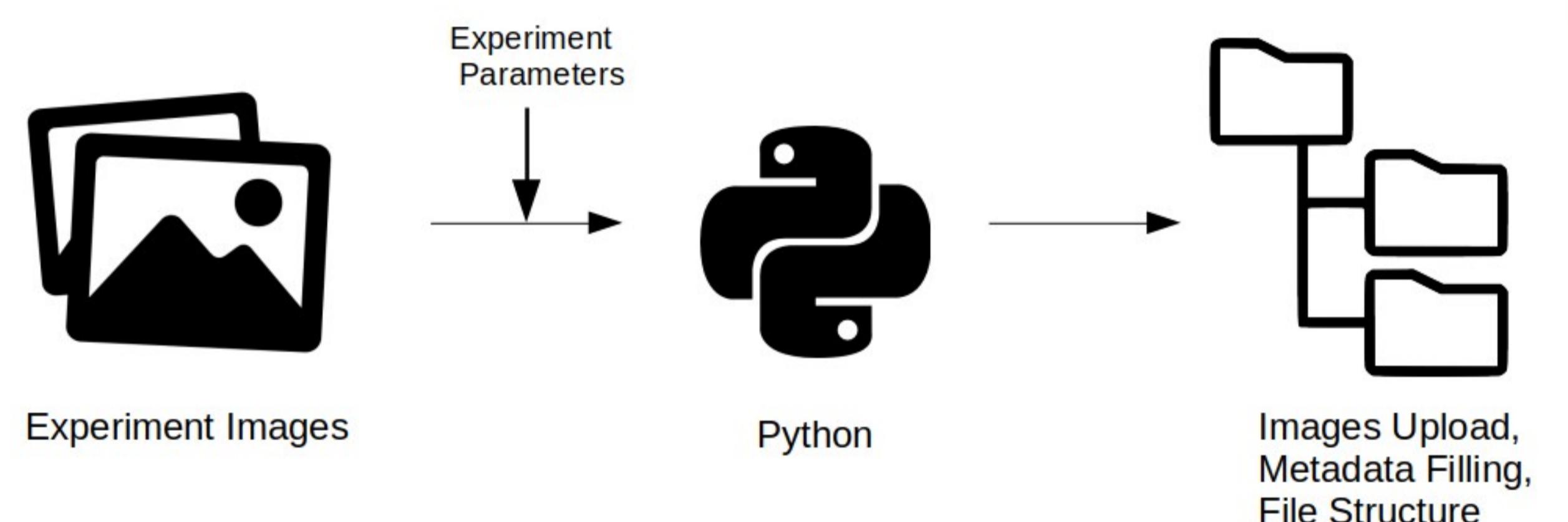
Use Case 1 [Evonik]:



Highlighting Points:

- Use metadata scheme DEXPI – Data Exchange in the Process Industry
- Upload of the DEXPI file via the Web Interface
- Automatic extraction of information from DEXPI and insertion of information into metadata ☐ Searchable
- Adding files on proper dataset
- Take into account Data Privacy (encryption)

Use Case 2 [TP 5.1]:



Highlighting Points:

- Customized Metadata Scheme
- Experiment Images (movie frames) are uploaded using Python interface
- Parameters of Experiment are read and filled into metadata schema ☐ Searchable
- File structure maintained in Dataverse

Other Activities in TP 2.1

- First Version of KEEN Dataverse Platform accessible: <https://keen.zih.tu-dresden.de>
- Development version of Dataverse in local Research Cloud [TU-Dresden Use only]
 - External Tools Integration
 - Connection with S3 storage

Future Plans

- Multiple Sign In Options [Native, Shibboleth, OAuth]
- Involving more Use cases
- Provide training and support
- Development of Post Processing Tool as per User Request (HPC Interface)

Contact

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