## PERMANENT STORAGE AND EFFICIENT RE-USE OF DIGITAL RESEARCH- AND EDUCATIONAL DATA

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### Levels and Layers of Data

- Raw Data: Primary data derived from the research processes.
- Processed Data: Data derived from analytical processes. These processes could provide results, including negative or inconclusive results.
- Negative Results: Results that don't satisfy the specified goals of a certain research.

Inconclusive Results: It cannot be determined if the results are positive or negative in the aspect of a certain research.

Shared Data: Data that will be shared with others.

Published Data: Data which are published in publications sometimes with restricted access.

#### Workflow Model for the Preservation Processes

common legal space

#### Phases of the Data Preservation Process

- Pre-Ingest: In this step, the responsibility lies on the Content Creator. In this phase will be determined which data is to be archived, their quality, and under what user license will be granted their re-use.
- Ingest: In this step, the Repository Manager takes over the responsibility. To be able to archive the data, a data conversion process needs to take place first. The conversion process should not affect the quality of the data.

Management: Ensures security and access to the data, in the quali-



- ty required for their re-usability.
- Re-Use: Delivery to external applications specialized on reusing the data provided. The data can be used in e-Learning systems, Presentations, or any other additional research processes. Here the responsibility goes to the Content Provider of the external applications.

data management plan



- XRIs, a URI-compatible abstract identifier scheme
- is a semantic data interchange format and protocol under development by the OASIS XDI Technical Committee
- based on an addressable semantic graph model serialized in JSON (JavaScript Object Notation)

XDI Graph for storing IDs of an Phaidra Object





http://phaidraservice.univie.ac.at/en/

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