Definition of AIP

Scholars Portal Definition of AIP

1. Archival Information Package (AIP)

- The information package consisting of the Content Information (CI), Preservation Description Information (PDI), Packaging Information (PI), and Descriptive Information (DI) that is archived at Scholars Portal.
- The level of content in a Scholars Portal AIP can vary, depending on the amount of content provided by the publisher.
- This description will use the OAIS Information Model to illustrate completeness of our conceptual model, and will describe, in general terms, what a Scholars Portal AIP looks like.

1.1. Content Information (CI)

- The Content Data Object is generally stored separately from the primary preservation metadata file, which is held in the Marklogic database.
- The CDO will be stored on a filesystem with a reference to its location contained in the preservation metadata.
- Representation Information is maintained, and contains information on the CDO's file format, version, and a reference to a format registry in order to provide information on how to interpret the file. See: registry of file formats

1.2. Preservation Description Information (PDI)

- *Reference Information* - Identifiers are stored for each article identifying it globally (e.g. DOI) and locally (e.g. URI).
- *Provenance Information* - Provenance metadata is maintained for each object that provides a history of preservation events in the object's lifetime, beginning at ingest into the SP repository and referencing any preservation activities taken on the object (e.g., replacement due to corruption, format migration, etc.).
- *Context Information* - As appropriate, information on how a CDO relates to other CDOs or to other conceptual entities. Examples of these relationships can include: a newer version of a document that supersedes an older one, or a journal article that is a part of a journal issue.
- *Fixity Information* - Fixity information is generated at the time of ingest in order to later determine whether or not the item remains in the same state as when it was ingested. This information can be used to determine integrity of an object being copied within the system (as in the case of a change in storage location), or for periodic integrity checks.

1.3. Packaging Information (PI)

- The Scholars Portal preservation metadata packages both the descriptive and preservation metadata together.

1.4. Descriptive Information (DI)

- Depending on the type of CDO, the format of this descriptive metadata can vary, but is selected to maximize findability. In all cases, the descriptive metadata will be recreated within the preservation metadata.

2. References

2.1. OAIS (2002) CCSDS 650.0-B-1: Reference Model for an Open Archival Information System (OAIS). Blue Book. Issue 1. January 2002 (ISO 14721: 2003) http://public.ccsds.org/publications/archive/650x0b1.pdf accessed 2011.08.24

3. Document History

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