

PANData-ODI - WP7

Preservation

August 2012 – Avril 2014
RTD, 36 person-months



Science & Technology Facilities Council
ISIS



“incorporate models and tools oriented towards long-term **data preservation** into the PaNdata infrastructure”



Tagcloud of the WP7 DoW

- D7.1) Implementation of persistent identifiers for PaNdata datasets: [month 15]
- **D7.2) Mechanisms and tools for representation information and archiving: [month 21]**
- D7.3) Mechanisms and tools for integrity of datasets: [month 27]
- D7.4) Report on evaluation of preservation mechanisms: [month 30]

- **Conceptual model** for managing, archiving and long term preservation of digital data.
- Origin 2002, Consultative Committee for Space Data Systems (CCSDS)
- ISO standard : 14721:2003
<http://public.ccsds.org/publications/archive/650x0b1.pdf>
- Draft Recommended Standard
<http://public.ccsds.org/sites/cwe/rids/Lists/CCSDS%206500P11/CCSDSAgency.aspx>

- Definitions (8 pages), concepts, responsibilities
- Information Model
 - Information Object
 - Information package : Packages for submission (SIP), archival storage (AIP) and dissemination (DIP)
- Functional Model
 - Ingest
 - Archival Storage
 - Data Management
 - Administration
 - Preservation Planning
 - Access

Implementation is not define by the OAIS model.

Aims of this WP in regards to OAIS are:

- implementation of the model inside ICAT.
- Adoption of the best practices for managing our archives.

- Implementation of DOIs in the participating facilities
- Link with CRISP WP17 “Metadata Management and Data Continuum”
- Data Continuum - Tracking of citations of datasets.

“Mechanisms will be established for maintaining and checking integrity of datasets. This is needed both for individual datasets (as preservation actions are performed) and for data holdings as a whole. It includes representation and enforcement of policies on access to data.”

Deliverable due by Month 27