

CERN Digital Preservation Strategy

Follow world-wide trends

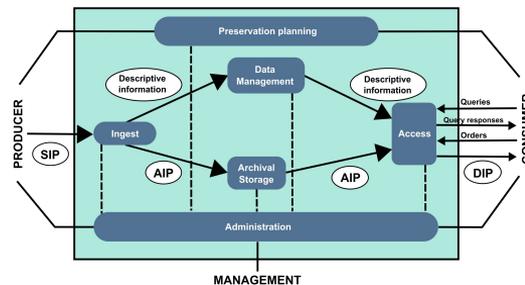
Align with EU Long Term Preservation recommendations

- Archiver EU Project
- Data Retention Task Force
- EOSC EDEN project



Enhancing Digital Preservation Strategies at European and National Level

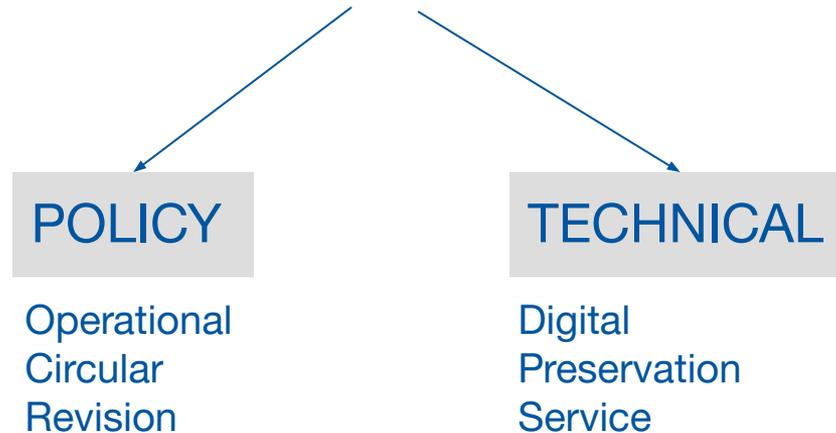
Follow standards: Open Archival Information System (OAIS - iso 16363) / F.A.I.R. principles



Member of the Digital Preservation Coalition (DPC)

→ **Network of Trusted Repositories**

Today, none of CERN Information Systems is certified as a Trusted Repository



Strategy: Operational Circular

Current Archiving Policy is under **Revision**

- From 1997, paper oriented → digital data loss

New version to redefine:

- The Perimeter
 - not frozen
- The Access
 - dark archive
- The Responsibilities
 - network of record officers

Refers to flexible associated policies:

- Data Classification
- Data Backup & recovery
- Data Retention
- Data Protection

Strategy: IT

Preservation As A Service:

- Infrastructure to help CERN Data Repos to preserve content at best

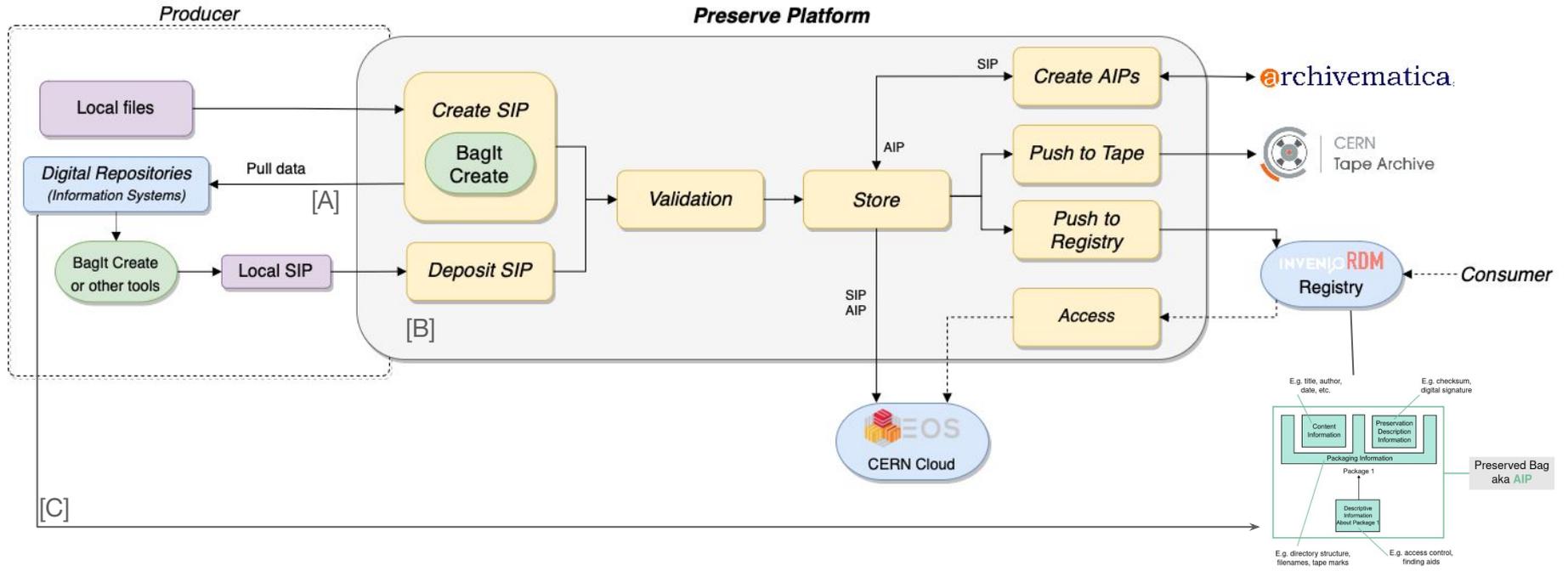


Help getting a Trusted certification, sometimes required by funding agencies

The Preserve service:

- Agreements with CERN **Information Systems**
- Three scenarios
 - [A] Full Delegation
 - [B] Shared
 - [C] No Delegation

Workflow Scenarios overview



Conclusion

- Digital Preservation actions are required to enable the transmission of CERN's data patrimony to future generations
 - **Scope under revision:** scientific data (from raw to published), multimedia production, notes & preprints, education & outreach content, more ?
- IT strategy is to follow standards and contribute at EU level
- A **Preserve Service** can help CERN's information systems to comply with preservation requirements
 - New Institutional Repository (repository.cern) compliant

Heritage Committee involved in Policies and Preservation Scope

QUESTIONS ?

CERN Preservation Commitments

- CERN (paper) archival commitment: OC3 (1997)
- CERN Open Data policy for the LHC Experiments (2020)
 - linked with the Open Access policy & DPHEP network
- Data Governance policies
 - Data Classification (2025) and more to follow: Backup/Recovery, Retention
 - Data Protection Handling: security oriented to complement OC5 and OC11 (2020)
 - includes Data Destruction rules