

# CERN Digital Preservation Strategy

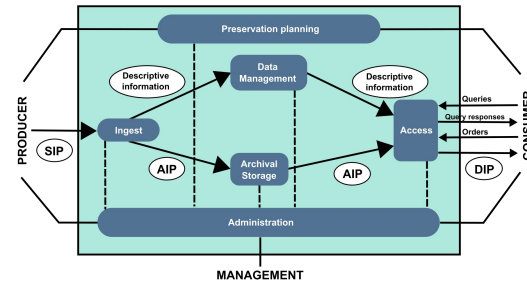
# Follow world-wide trends

Align with EU Long Term Preservation recommendations

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



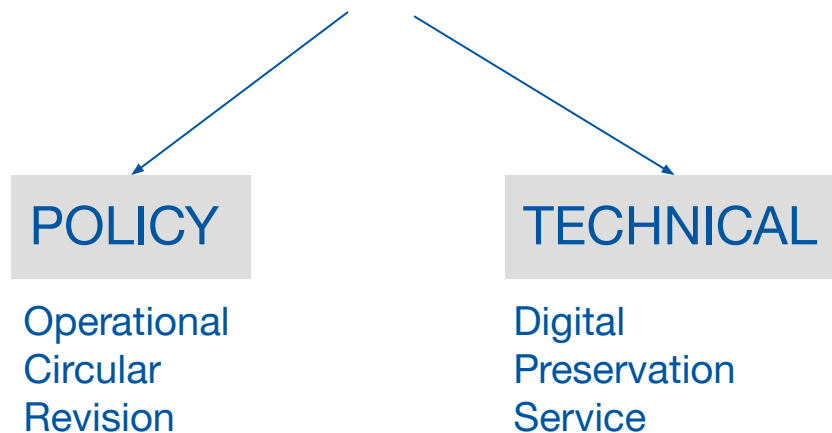
Follow standards: Open Archival Information System (OAIS - iso 16363) / F.A.I.R. principles



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

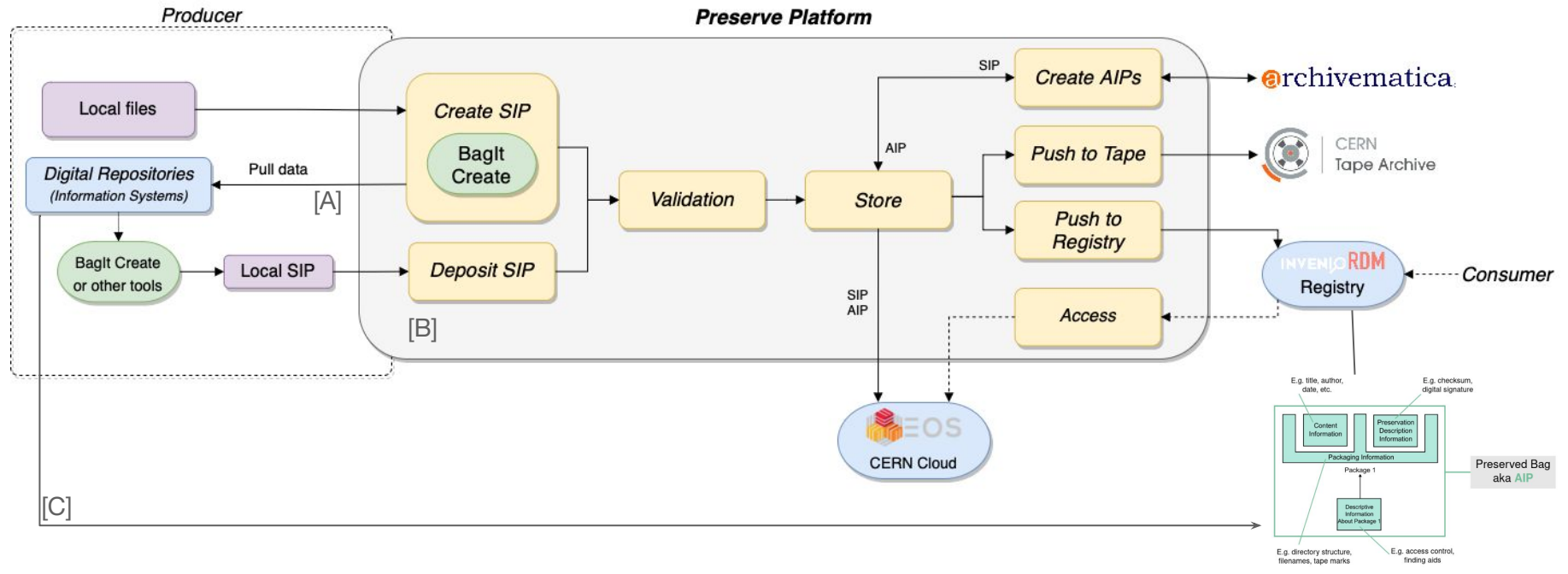


**Help getting a Trusted certification,** sometimes required by funding agencies

## 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