Aalto Repository & Aalto sign projects

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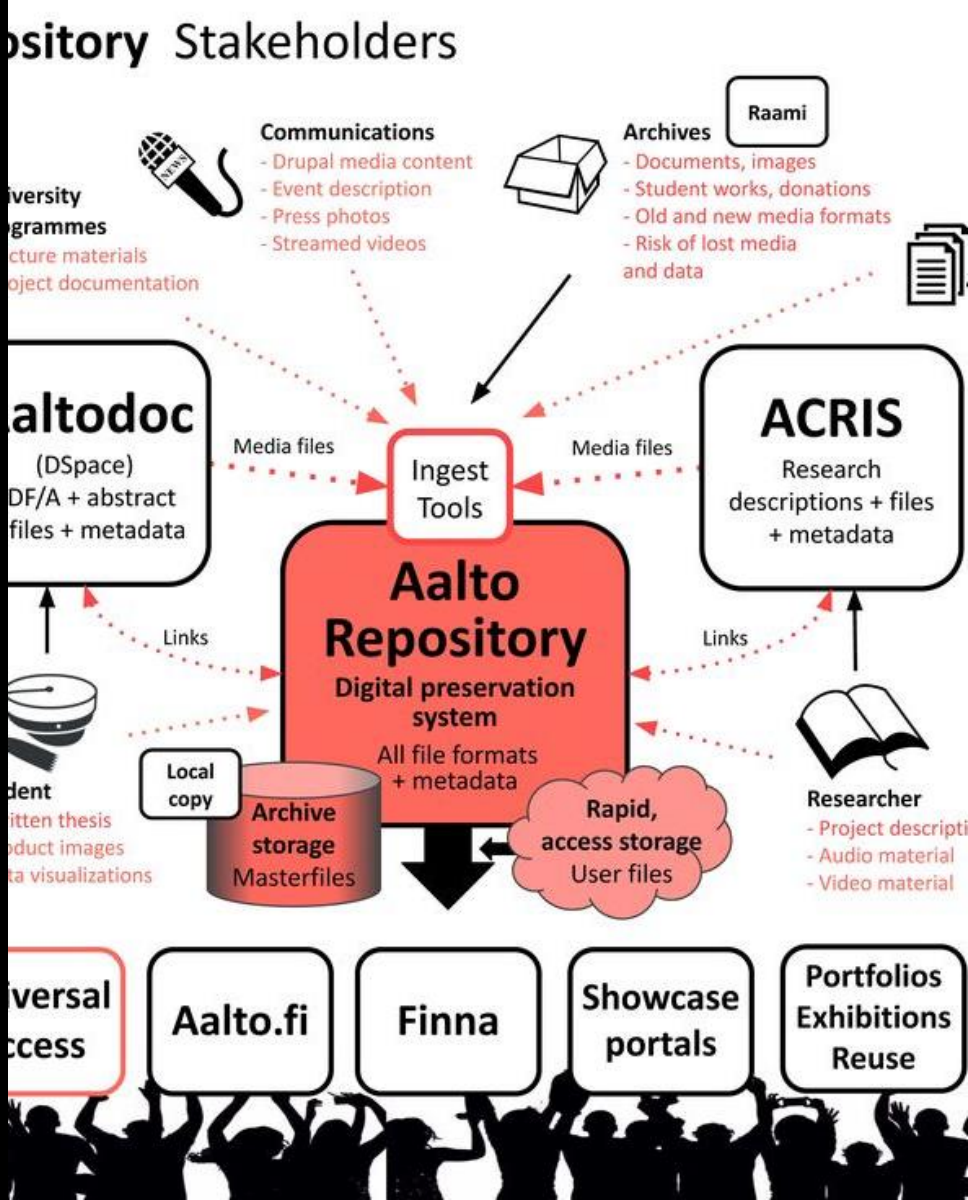
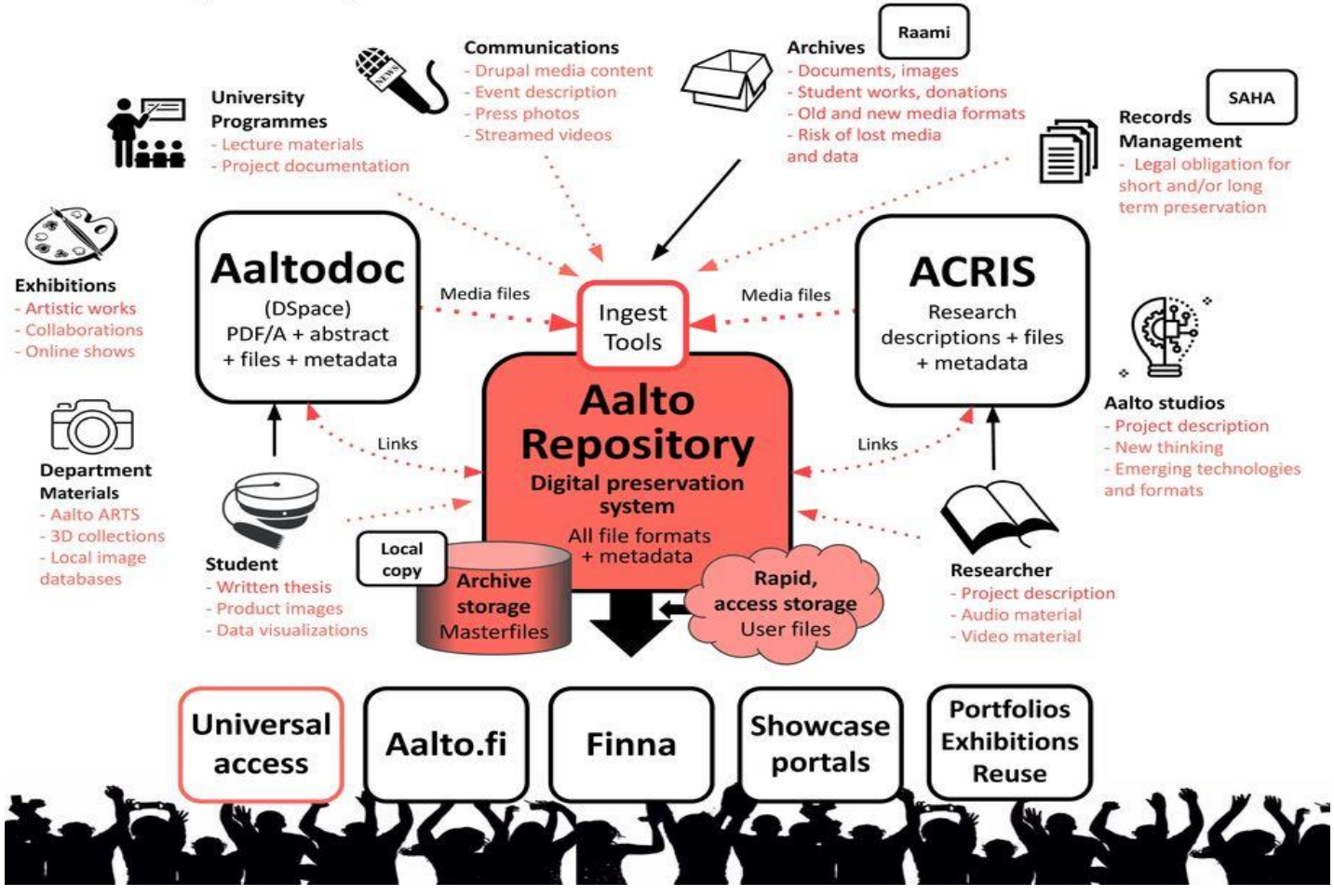


Aalto Repository

- **Aalto University is introducing a new repository system that performs as a digital preservation, showcasing and asset management system for all digital content, especially audiovisual media and administrative data.**
- **Benefits and background objectives**
  - Ensure authenticity and usability of digital objects across time and technical environments
  - Preserving and showcasing creative and practice-based learning and research
  - Convenient manual and automated workflows for audiovisual media and administrative data through integrations

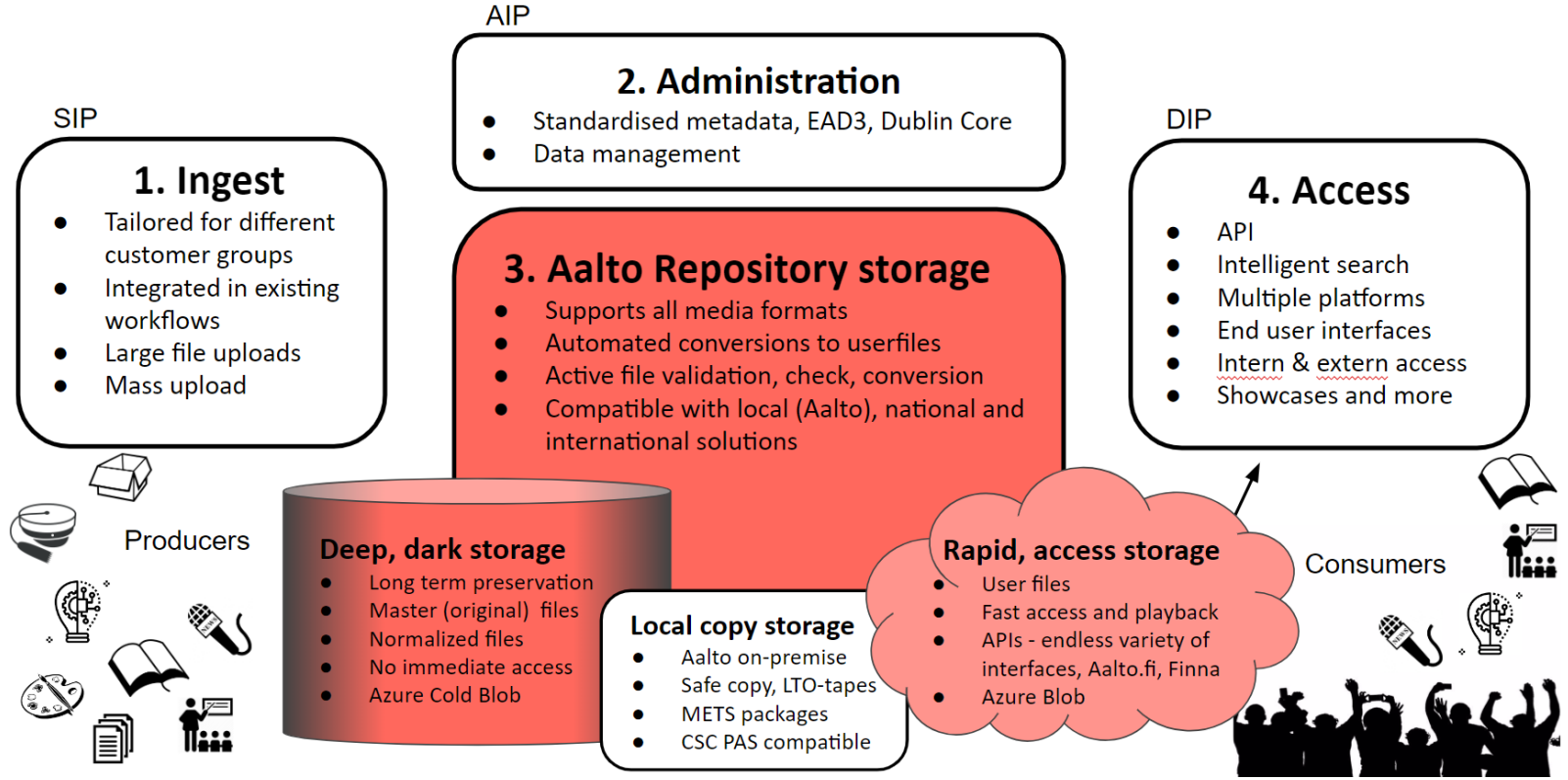
Aalto Repository Stakeholders



Storage, access and reuse

Seamless workflows between storage and access.

- All members of Aalto community should be able to submit media and data for preservation, showcase and future access.



Active preservation with Preservica

Preservica
Active digital preservation

Preservica is a platform for long-term preservation of digital content in a scalable private cloud environment

- Standards based architecture and metadata schemas
- Manual and automated workflows
- Active migration of files: pathways for 1600 file formats
- Automated actions: file validation, metadata extraction, checksums
- Automatically generated user copies for fast access and playback.
- Azure Hot Blob 25%, Azure Cool Blob 75%

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University of the Arts London, University of Manchester, **Yale**, UK National Archives, Library and Archives Canada, **MoMA**, The Royal Danish Library, **Amnesty**, Unilever

Aalto Repository and Preservica

Preservica provides Aalto University a new platform for long-term preservation of digital content in a scalable private cloud environment. Standards based architecture built to conform to the OAIS model (ISO 14721) and aligned with CSC-PAS recommendations.

Content upload

- Manual and automated workflows for single records, continuous stream or large volumes
- Drag & drop upload with preparation area, bulk upload tools, connectors and APIs for large volumes
- Upload options include SharePoint, Outlook, DSpace packages, BagIt Bags, WARC website crawls, ISO Disk Images etc.
- Self-archiving for non-expert user via browser

Content preservation

- Active migration of files to newer formats: pathways for over 1600 different file formats
- Automated preservation actions: file format identification and validation, technical metadata extraction, checksum verification at intervals
- Safe long-term storage with local back up. Automatically generated copies for fast access and playback.
- Audit trail generated to record file provenance and user activity

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Digital preservation with Aalto repository

Data management

- Any descriptive XML metadata schema can be stored: MODS, MARCXML, ISAD (G), EAD, Qualified Dublin Core,TEI etc.
- Preservation metadata PREMIS and METS for creating archival packagaes (aligned with CSC-PAS)
- Collection management with unlimited hierarchies

User management and information security

- Enterprise active directory authentication integration
- High-level information security, GDPR compliant

Access

- Web search portal for content customizable for Aalto brand
- Curated collection lift-ups, showcases, filtering and faceted browsing
- Different access levels for public and authenticated users
- View and play: video, text (OCR), images, archived websites & obsolete files
- Fast in-browser streaming of AV/audio-files
- Extensive REST API supporting various operations on content
- OAI-PMH and CMIS content query API

Integrations

Data harvesting to Finna

- API interface

Ingest forms for specific stakeholders

- Tools and processes for Aalto community to include their assets

Aaltodoc, thesis files and attachments

- New thesis submission process
  - Thesis stored in Aaltodoc (access file) and Aalto Repository (orig.)
  - Thesis attachments stored in Aalto Repository, linked to Aaltodoc

Acris, research data and media

- Submitting research related material through Acris to Aalto Repository

Aalto.fi and Drupal

- Showcasing
- Media content storage

Aalto Repository contacts

For more information, contact:

- Ilari Lähteenmäki, ITS – implementation project manager
- Susanna Kokkinen, LSS – project owner
- Tove Örsted, ITS – solution owner
- Marika Sarvilahti, LSS – information specialist
- Riina Ojanen, LSS – digital archive specialist

Links and further reading

- Project page: aalto.fi/en/archives/repository
- Finna national portal: aaltoarkisto.finna.fi/
- Preservica: preservica.com/heritage-digital-preservation-services/academic-institutions