Building interoperability in archival management systems

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Between data and records **long-term digital preservation** for joint search. Challenges in a fast changing world.

### Case Study

The Archive and Records Management Service of the University of Lleida is working in this direction based on real use cases. Collaboration and knowledge transfer between university and industry are making it possible and helping focus their efforts.

### How

**Archival Science & Computer Science Alliance**

Exploring synergies between them to facilitate interoperability

**Archival Principles**  
**Microservices**  
**Metadata Management Model**

**Semantic Technology**  
SKOS, Linked Data and Ontologies  
**Artificial Intelligence and Machine Learning**

**Interoperability and digital preservation**

Experience based on a university Records model in accordance with a standardised management system based on UNE ISO-30301 and RiC. Preservation of records and data following the eArchiving specifications and interoperability across applications and organizations.

### What

- Academic Records
- Virtual Campus Assets
- Historical Notebooks

### Benefits

- Digital Ecosystem
- **UNIVERSITAS XX** Academic Management System
- **fi_rma** Signature application
- **GdC** Gestor Documental Consorciat
- **e-Arxiu**

### Observation from use cases

**CASE STUDY 1 - Academic Records**

Using RiC model

Representation of information in triples that results in a graph-structure

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