

The ATLAS

A Knowledge Graph of Digital Scholarly Research on Italian Cultural Heritage

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In summary

ATLAS is a project funded by the Next Generation program of the European Commission for 24 months (October 2023 - October 2025) whose main goal is **improving FAIRness** (Findable, Accessible, Interoperable, Re-usable) **and exploitation of Digital Humanities (DH) projects** and scholarly data about Italian cultural heritage. To achieve the goal ATLAS will create a knowledge graph of the international scholarly research on Italian Cultural Heritage leveraged in a Web portal to fosters users' interpretation and engagement.

Challenges

- // **Data collection** (findability and accessibility of existing projects and resources)
- // **Knowledge organisation** and representation (interoperability and reusability of metadata and content)
- // **Data preservation**

Methods

- // Requirements elicitation via **case studies**
- // **Ontology reuse** and alignment (DCAT, CIDOC-CRM...)
- // **Knowledge extraction** (NLP)
- // **Knowledge graph generation** (SPARQAnything, CLEF)

Impact-driven actions

- // Co-creation of a **white book** of DH best practices
- // Synergy with the European Research Infrastructures **CLARIN** and **OpenAIRE**
- // Collaboration with the **MIC Digital Library** (KNOT project)

Case studies

Text collections ALIM, the Archive of the Italian Latinity of the Middle Ages; Biblioteca italiana; BUP - Digital Humanities

Digital Editions VaSto, VArchI STOrIA fiorentina; Codice Pelavicino Digitale; Leges Langobardorum; Digital Edition of Aldo Moro's works

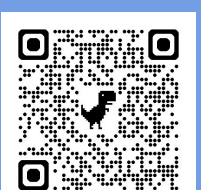
Software EVT - Edition Visualization Technology; Voyant tools

Linked Open Datasets Zeri & LODE; LiLa - Linking Latin; Biflow - Toscana Bilingue Catalogue;

Ontologies CIDOC-CRM; SPAR; HiCO

Expected outcomes

- // **Guidelines** and best practices for new DH projects
- // A **golden set of excellent** initiatives and research project
- // A **knowledge graph** aligned to authoritative open data sources
- // A **platform** for exploration and discovery of DH resources



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ATLAS is a project funded by the Next Generation program of the European Commission for 24 months (October 2023 - October 2025) aiming at **improving FAIRness** (Findable, Accessible, Interoperable, Re-usable) and the **exploitation of Digital Humanities (DH) data and projects** about Italian Cultural Heritage. To achieve this goal ATLAS will create a knowledge graph of the international scholarly research on Italian Cultural Heritage leveraged in a Web portal to fosters users' interpretation and engagement.

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