

Semantic Technologies & Cultural Heritage

Asset Information Documentation advisory services

Need or problem that solves

Any study on cultural heritage generates knowledge that must be created, documented, communicated, and visualized in an appropriate manner. Otherwise, we risk wasting time and resources. This is especially important in those situations where irreversible processes are carried out on heritage elements, as it is often impossible to re-create this knowledge if not properly done.

The Semantic Technologies and Cultural Heritage group at Incipit offers consultancy services related to the design of cultural heritage information and documentation systems, and regarding ontological (how to design information) as well as methodological (how to carry out work) aspects. We can conceive, develop, and institutionalize information systems, work techniques and computer-based tools for the documentation of cultural heritage to various degrees of implementation.

Innovative aspects

- Design of ontologies based on the Cultural Heritage Abstract Reference Model (CHARM, www.charminfo.org).
- Modelling of subjectivity, temporality, and vagueness through ConML (www.conml.org).
- Methodology design according to international standard ISO/IEC 24744.



Equipment

- Bundt toolset for conceptual modelling with ConML and CHARM.
- Virtualized computing lab for development, tests, and demonstrations, which includes database and application servers.

Contact

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KEYWORDS

- Ontologies
- Information models
- Methodologies

POTENTIAL END USERS

Public or private organizations researching or managing cultural heritage, either tangible or intangible.

TECHNICS

- Conceptual modelling
- Ontology engineering
- Situational method engineering.