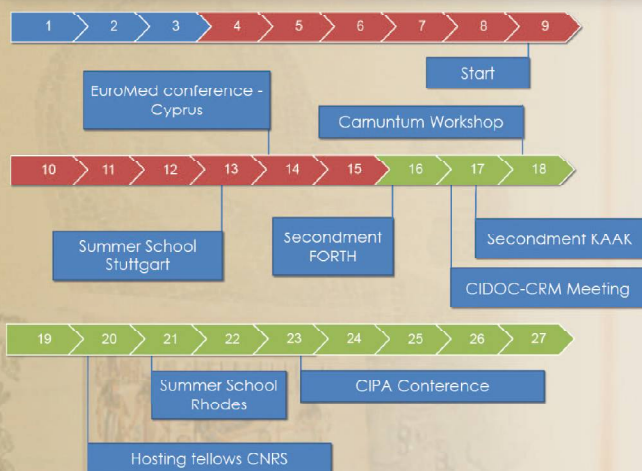
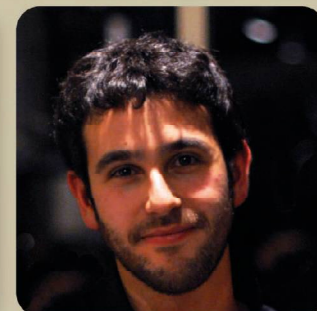




## NICOLA CARBONI, ESR8

### Aim & Objective Of The Research

The aim of the research carried on by ESR8, under the Work Package 4 framework, is to create a semantic structure for heterogeneous data (e.g. 3D, documentary sources, iconography, spatial localisation, etc.) able to reveal the relationships between the different aspects of a heritage artefact, for example the relation between its morphology and its conceptual description belonging to a specific context (social, cultural, geographical, etc.). The knowledge model should include information from several domains, in order to fully represent the "environment" of an artefact. It should additionally be able to link together various entities and attributes. The final result should be a map of the relationships between a cultural object and its social and environmental aspects, (including the tangible and intangible dimensions).

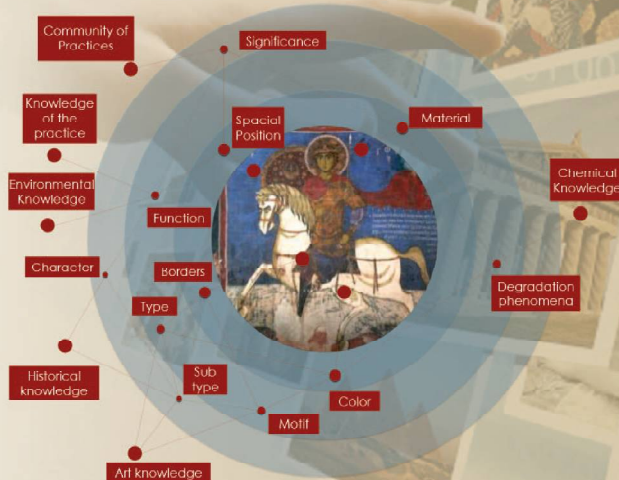


### Secondments & Events

The fellow participated in several events, organised both externally and within the ITN-DCH framework. In the latter he was able to better interact with his colleagues as well as with some of the best researcher in the cultural heritage field. Very important for developing his skills-set was the participation to the two organised secondments, in FORTH and in KAAK. In the former he got an extensive and clear understanding of ontology engineering, using CIDOC-CRM and its extensions as main examples. In DAI-KAAK instead he applied such skills, mapping several type of data, developed during the years by archaeologist and 3D modellers, to CIDOC-CRM. Such valuable experience would not only help him better comprehend and work within the case studies and the WP4 overall work, but it will also better contribute to his future career.

### Research

With the purpose of investigating the contextual information regarding an artefact and how the environment shapes its function within a community, the fellow started his research from the definition, analysis and documentation of the nature of the intangible heritage activities, taking into account the role of the various entities and how their interaction in a time and space originates not only the phenomenon, but also its material and conceptual significance for a certain group of actors. Moreover the fellow explored the various information structures, both from a top-down and bottom-up perspective, which were produced with the purpose of classifying the various aspects of the context of an heritage artefact. Furthermore, together with ER1 and ESR6 he investigated, within a semantic framework, the provenance problems regarding the logic argumentation and reproduction of an heritage artefact.



Home Country



Host Country



31 Chemin Joseph Aiguier  
13402 Marseille  
www.map.cnrs.fr

Host Organization

