

COST C21 Kick-off meeting

Urban Ontologies for an improved
communication
in urban civil engineering projects

TOWNTOLOGY Project

Objective of the Action

The main objective of the Action is to increase the knowledge and promote the use of ontologies in the domain of Urban Civil Engineering projects, in the view of facilitating the communications between information systems, stakeholders and UCE specialists at a European level (Groupware).

Secondary objectives of the Action

- producing a taxonomy of ontologies in the UCE field, contrasting existing design methodologies, techniques, glossaries and production standards ;
- developing an urban civil engineering ontology both in textual and visual (graph) presentation and a visual editor to integrate and update concepts, definition, photos, etc. into the ontology (software tool) ;
- developing a set of guidelines for the construction of multi-lingual UCE ontologies, based on practical examples (cases) ;
- analysing the role of ontologies as a tool to foster an improved communication between UCE stakeholders.

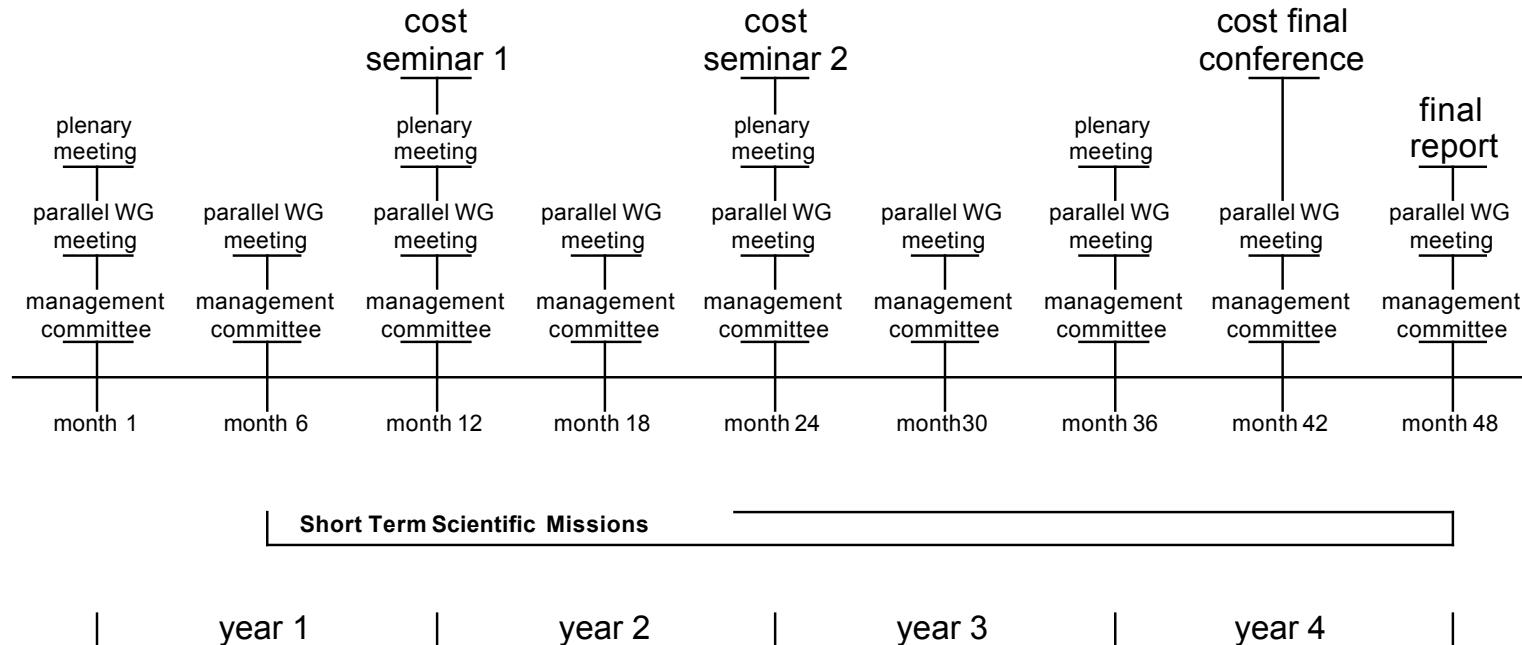
Scientific programme

- State-of-the-art review
- Definition of main research needs on UCE ontologies
- Methodologies for developing UCE ontologies
- Construction of multi-lingual UCE ontologies
- Impact of ontologies upon communication between UCE actors
- Synthesis of the contributions
- Reporting, publication and dissemination

Organisation - Working groups

- WG 1 - Methodologies for developing UCE ontologies
- WG 2 - Construction of multi-lingual UCE ontologies
- WG 3 - Impact of ontologies upon organisational structures

Timetable of the Action



Dissemination

- posting of general information on a public Web-site;
- posting of working documents on a password-protected website;
- establishment of an e-mail network;
- publications: state-of-the-art reports, interim reports, case study reports, proceedings, guidelines, manuals, final reports;
- events: workshops, seminars and conferences organised by the MC, contributions to other national and international conferences and symposia;
- articles in scientific and technical journals;
- non-technical publications.

Main deliverables of the Action

- an ontology (even not exhaustive) in both in textual and visual (graph) presentation ;
- a software tool, a visual editor in order to integrate and update concepts, definition, photos, etc. into the ontology.