

SPATIAL ONTOLOGY

REF : Onto

Aim Ontological construction, manipulation and reasoning.

Duration: 1 day

Registration Rights: 700 Euros

Contact : formation@geomatys.com

Public General Public

Prerequisite None

Provisional Program

Presentation of the fundamental ontological principles

- Distinction between the content and its semantics;
- Historical perspective on the representation of knowledge.

Presentation of current standards for the representation of knowledge

- RDF, OWL, etc.;
- Description logic.

Protege Tutorial: building, manipulating and reasoning with a knowledge base

- Presentation of the Protege software;
- Differentiating between conceptual knowledge and contingent knowledge;
- Building a knowledge base;
- Inferring implicit knowledge using a reasoner on the description logic.

Spatial Recognition

- Presentation of topological spatial relationships and their ontological representations;
- Example of ontological use: reasoning on the content of an image (illustration).

