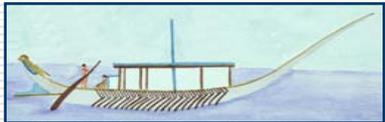


GraphOnto: Ontology Editing & Mapping, Ontology-based Definition of MPEG-7 Metadata for Multimedia Content

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Technical Features

- Java Application
- Uses the OWL API, which is extended for Ontology Editing
- Consistency & Reasoning
 - Ontology Validation takes place
 - Ontology Consistency is checked during editing
 - If an ObjectProperty is InverseFunctional, the Property Values are Unique
 - If two classes are Disjoint, an individual may belong only to one of them
 - If an ObjectProperty is Functional, only one Property Value is allowed
 - Symmetric and InverseProperty Automatically Fill the Property Values
 - allValuesFrom and hasValue are checked in Individual Definitions
 - The Pellet Reasoner is being integrated in GraphOnto
- Interoperation with an MPEG-7 Repository, based on the Berkeley DB

Further Information & Availability

- GraphOnto available for download at:
 - <http://astral.ced.tuc.gr/delos/content/demonstrators/graphonto.zip>
- GraphOnto Documentation:
 - http://astral.ced.tuc.gr/delos/cls_resource_description.jsp?id=10410
- C. Tsinaraki, P. Polydoros, S. Christodoulakis:
"GraphOnto: A Component and a User Interface for the Definition and Use of Ontologies in Multimedia Information Systems". In Proc. of AvivDiLib 2005, pp. 99-102
(http://astral.ced.tuc.gr/delos/cls_resource_description.jsp?id=10163)