

COLORE and SIO

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COLORE

<http://stl.mie.utoronto.ca/colore/>

- COLORE is a repository of first-order ontologies that will serve as a testbed for ontology evaluation and integration techniques, and that can support the design, evaluation, and application of ontologies in first-order logic.
- All ontologies will be specified using Common Logic (ISO 24707).

Relationships

BioPortal / OOR

- The long-term goal is to somehow integrate the ontologies and metadata from COLORE with BioPortal and OOR.
- Obstacles: current back-end precludes Common Logic

Lattice of Theories

- COLORE can be seen as an implementation of the Lattice of Theories, with a more extensive set of formally defined relationships between modules.

Relationships

SUMO

- Efforts are under way to incorporate modules of SUMO into COLORE.

Pat Cassidy's FO/COSMO

- If FO/COSMO is axiomatized in Common Logic, we can use the relationships between modules in COLORE to identify mappings to other upper ontologies.

Future Plans

Short Term

- Provide scripts that allow people to submit and annotate ontologies.
- Develop use cases for a service-oriented architecture (similar to BioPortal / OOR)

Longer Term

- Iterative development of functionality to implement the use cases
OR
integration of COLORE ontologies with an existing architecture.