

# Socio-cultural Open Ontology

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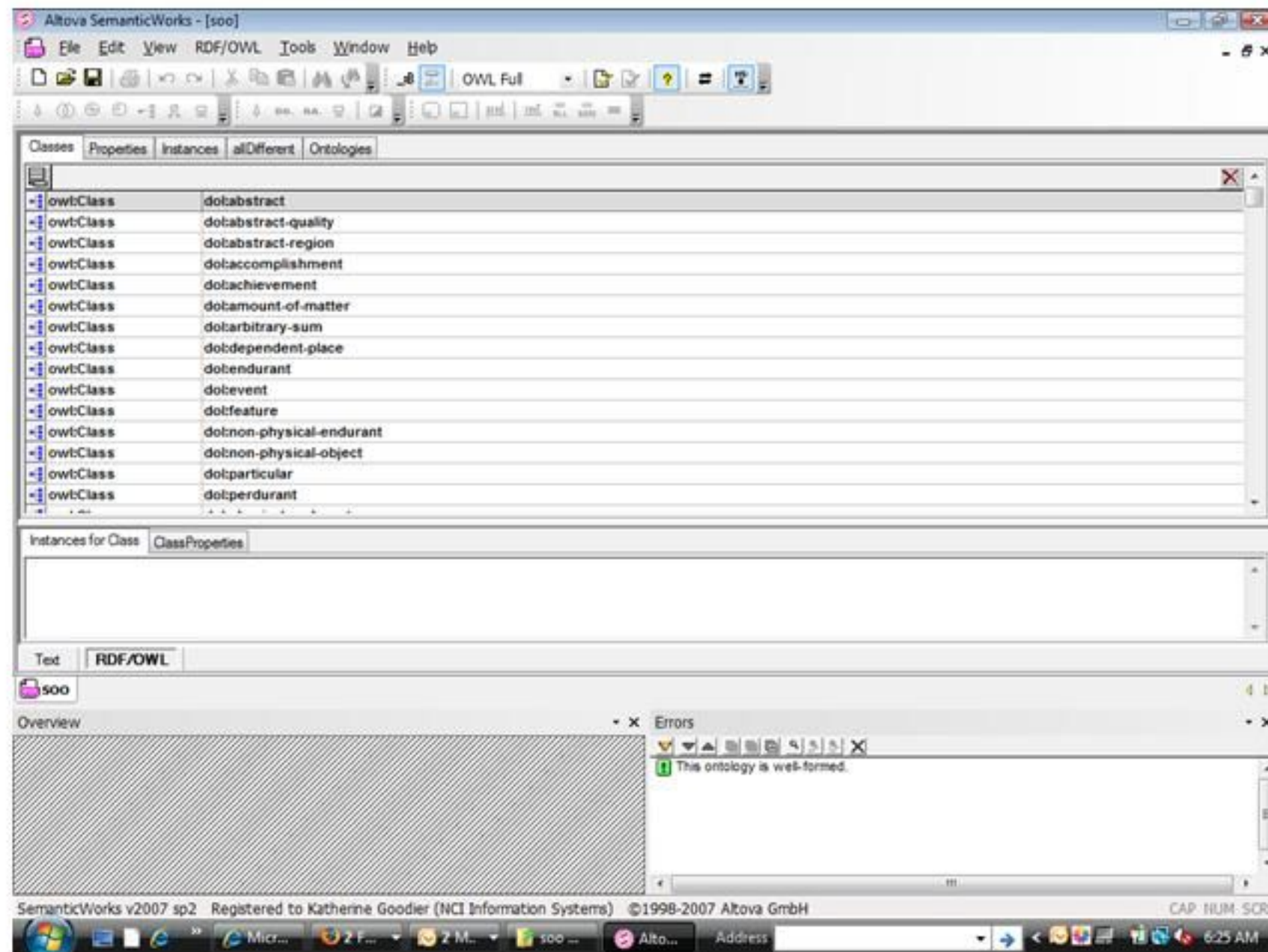
# Abstract

- These slides introduce the SOO project, which will extend the BioPortal repository of open OWL ontologies. SOO is focused on sharing socio-cultural ontologies.

# Research

- Our research application links numerous independent ontologies of socio-cultural concepts as applicable to foundational information stored in the OOR, e.g. [1], [2], [3].
- Cultural ontologies cover any associated category in its broadest social sense, in that they provide models of:
  - cultural systems [4],[5],[6],[7]
  - cultures in enterprises and organizations [8], and
  - culturally-specific language terms [9].
- For example, the language term “cohort” in English has specific implications relative to the shared beliefs of a group. These shared beliefs can be further mapped to socio-cultural taxonomies of religion, geo-location, and politics. “Cohorts” can then be used in either proprietary or shared time-space algorithms to track information sharing and movement within a given info-space.
- The openly shared instances of such socio-cultural ontologies are far less available than the proprietary implementations of such tools.

# Coding based on Dolce and others using SemanticWorks from Altova



- http://www.loa-cnr.it/ontologies/DOLCE-Lite.owl
- http://www.loa-cnr.it/ontologies/ExtendedDnS.owl
- http://www.loa-cnr.it/ontologies/FunctionalParticipation.owl
- http://www.loa-cnr.it/ontologies/Gesture.owl
- http://www.loa-cnr.it/ontologies/InformationObjects.owl
- http://www.loa-cnr.it/ontologies/Plans.owl
- http://www.loa-cnr.it/ontologies/SpatialRelations.owl
- http://www.loa-cnr.it/ontologies/TemporalRelations.owl



This ontology is well-formed.



# References

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