

# 1 Managing Semantic Data

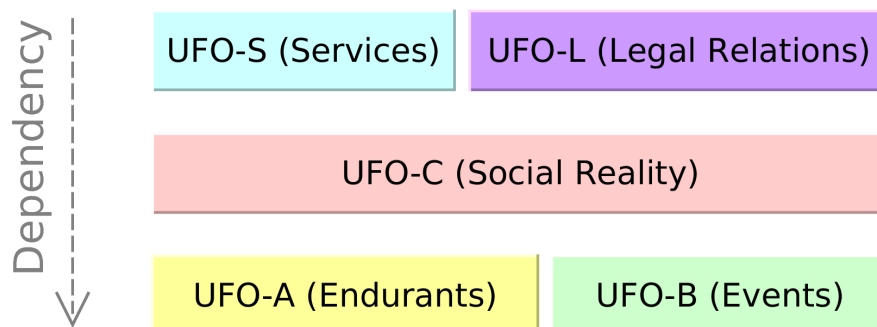
## Idea

- We will use Unified Foundation Ontology (UFO) as main upper level ontology to guide development of domain level ontology and consequently application ontologies.
- Theoretical background behind the UFO will help us test our ontology during the development.

## 1.1 Unified Foundational Ontology

### 1.1.1 Basics

#### UFO Core Modules (1)

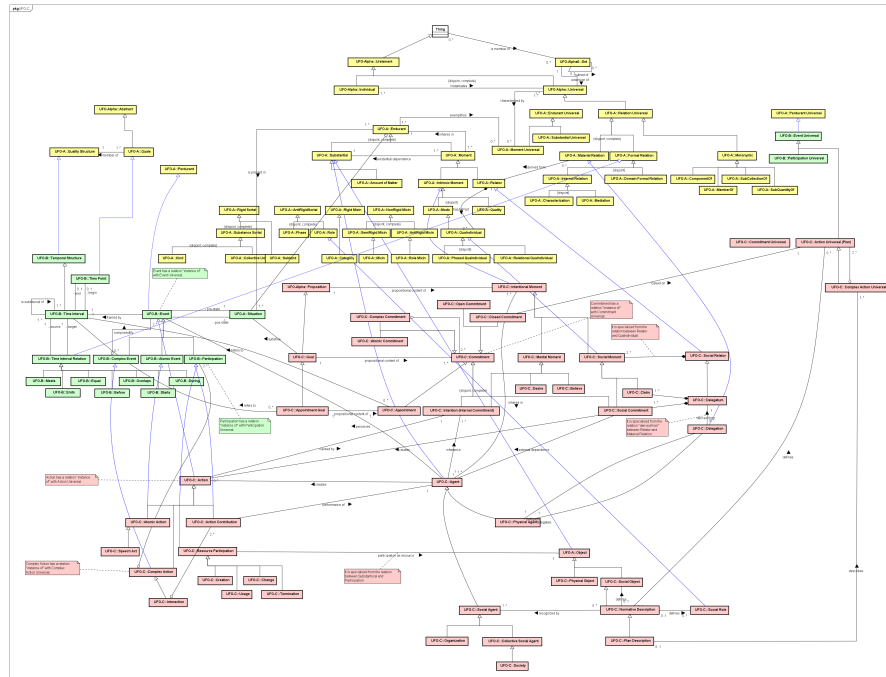


#### UFO Core Modules (2)

- *UFO-A* –
- *UFO-B* –
- *UFO-C* –
- *UFO-S* –
- *UFO-L* –

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### Relations within Core Modules of UFO



Relations among concepts of *UFO-A*, *UFO-B*, and *UFO-C* modules taken from <http://ontouml.org>.

### Other UFO related resources

- UFO represented in OWL2 ontology – <http://onto.fel.cvut.cz/ontologies/ufo>
- OntoUML community portal – <https://ontouml.org/>

## 1.2 Ontology Testing

### 1.2.1 Basics