Representing Multiword Expressions on the Web with the OntoLex-Lemon model

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- W3C Community Group has developed OntoLex-Lemon
- For representation of lexicons relative to ontologies
- Five modules: Core, Variation & Translation, Syntax-Semantics, Decomposition and Metadata
- Decomposition module represents entries as constituents
- Can map syntactic frames to predicates

Fig 1. The OntoLex-Lemon Core Model

Fig 2. The OntoLex-Lemon Decomposition Module

Ex 1. Mapping "give up" to an ontological event

Ex 2. Decomposing the Irish term "Poblacht na hÉireann" (Republic of Ireland)