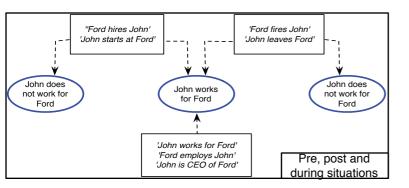
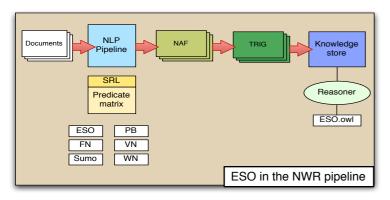
The Event and Implied Situation Ontology (ESO)

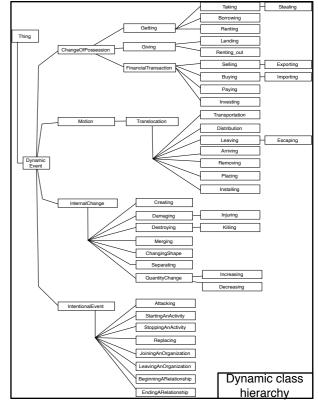
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The Event and Implied Situation Ontology in short:

- -A metamodel and populated OWL ontology with 63 event classes
- -Models the pre, post and during situations of events and their roles
- -Used for text mining of large document collections
- -Runs on Semantic Role Annotated text
- -Includes: manual mappings to SUMO classes, Framenet Frames, Frame Elements and mappings from FrameNet Lexical Units to Princeton WordNet 3.0







Get ESO.owl, the documentation and the mappings: https://github.com/newsreader/eso.

Evaluation 2: Quality checks of the Knowledge Stores based on NWR output, baseline system and the Gold

Standard. A correct ESO event includes correct typing,

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correct assertions and correct roles.

Evaluation 1: Recall and precision based on the manual annotation of the MeanTime Corpus versus the NWR pipeline.

	Predicates	Roles
Precision	61.6%	34.3%
Recall	37.5%	27.2%
	Predicates	Roles
Precision	Predicates 36.1%	Roles 28.2%

baseline system

NWR system KS NWR: 50%
KS BaseLine: 36%
KS Gold Standard: 92%









