Software stack

Integration GUI

GUI

Semantic annotation

Ontology

GUI

Connector (Text, EMF, Ontology,…)

Specific Locations (Text, EMF, Ontology,…)

Mapping API

Storage (XMI)

WP6
Integration

Components

- Mapping API and implementation (EMF/XMI)
- Text and model (EMF and ontology) connectors
- Semantic annotation

Continuous integration

- Travis https://travis-ci.org/ModelWriter/Source
- Nightly and release builds
- Eclipse update sites for each build

Next steps

- Develop synchronization API and GUI
- Integrate semantic parsing and consistency checking

Software stack

Integration GUI

Automated reasoning about locations and links

Semantic GUI	Mapping GUI
Semantic annotation	Connectors (Text, EMF, Ontology,…)
Consistency checking	Specific Locations (Text, EMF, Ontology,…)
Semantic parsing	Synchronization
Ontology	Mapping API
	Storage (XMI)

WP6
Evaluation

Code

- Release 1: 19K line of codes and 13K lines of comment
- Release 2: 30K line of codes and 20K lines of comment

Commits

- Release 1: 60 commits
- Release 2: 88 commits

Tests

- Release 1: 403 unit tests
- Release 2: 688 unit tests + some RCPTT tests

WP6
Release 2

Eclipse update sites

- Two update sites one for EPL features and one for GPL features
- http://modelwriter.obeo.fr/download
- Eclipse: Luna, Mars, Neon

Mapping features

- Text, EMF Model full support and ontology partial support
- Mapping base saved to XMI
- EMF/XMI mapping base creation wizard

Semantic features

- Main ontology format supported (RDF, OWL, Turtle, …)
- Semantic annotation and mapping creation from annotation
- Text extraction from .doc and .docx files

Deliverables for WP6

Kind	Name	Status
Software	D6.3.1-2 Writer enhancements (release 2)	Done
Software	D6.4.2-2 User Interface for the Writer part (release 2)	Done
Software	D6.4.3-2 IDE-integrated User Interface to handle Sync issues (major release 2)	Done
Document	D6.5.1-2 Acceptance Test Plan (release 2)	Merged
Software	D6.5.2-2 Automated Acceptance Tests (release 2)	Done
Document	D6.6.1-2 Acceptance Test Procedures (release 2)	Merged
Software	D6.7.1-2 ModelWriter major release (release 2)	Done
Software	D6.7.2-2 WP2 Integration in ModelWriter and Documentation (release 2)	Done
Document	D6.8.1-2 Evaluation report (release 2)	Coming soon

Ergonomics

Completion/quick outline

- + limit interactions to a minimum
- - Need to know what can be targeted (not possible for text)
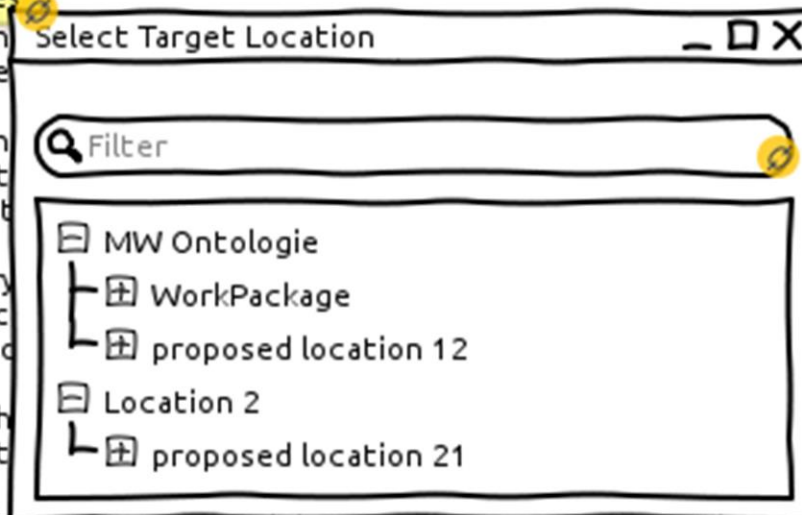- - Project possible targets out of their editing form

WP6
Ergonomics

Goals

- No projection / get elements from the editor
- Works with text
- Works with graphics

Palette

- Eclipse view
- Add element from editors to the palette
- Link to elements in the palette

Possible improvements

- Quick outline with elements of the palette ?
- Use current selection and an action on element from the palette ?