

Progress in Proof-of-Concept tools

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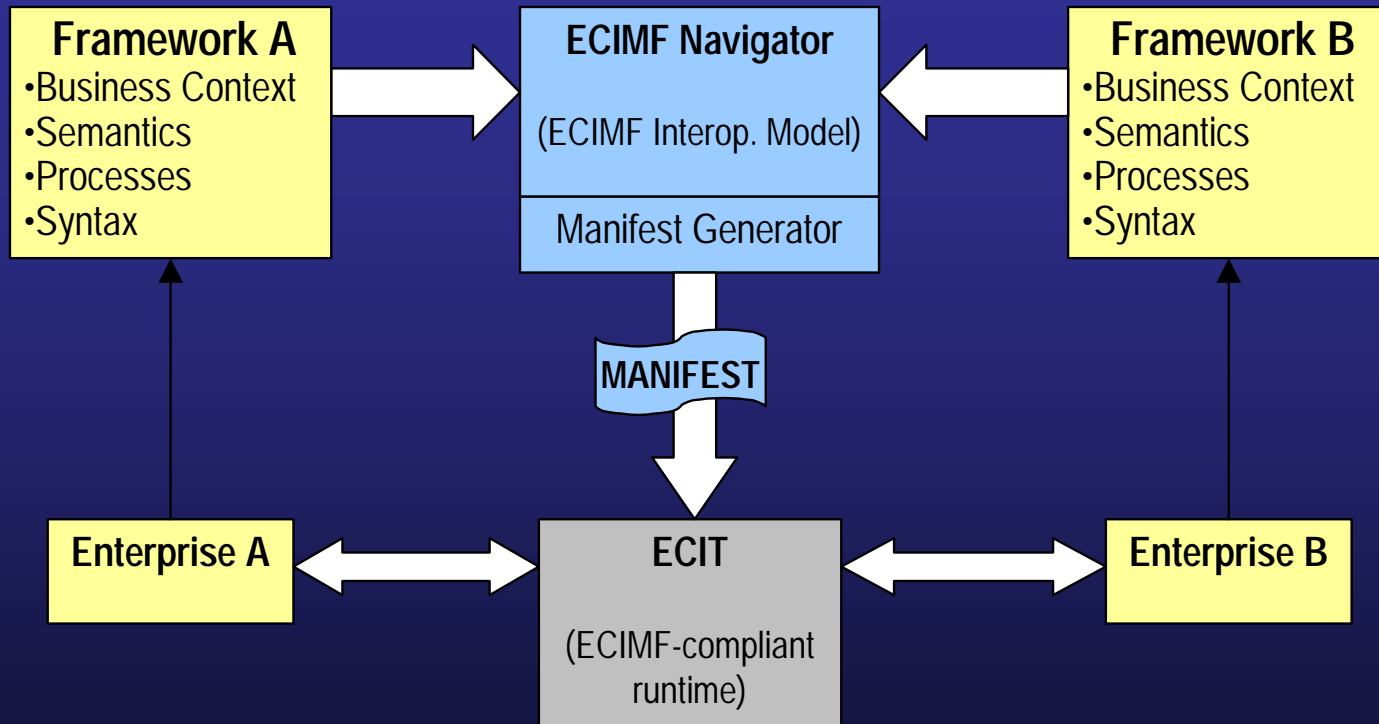
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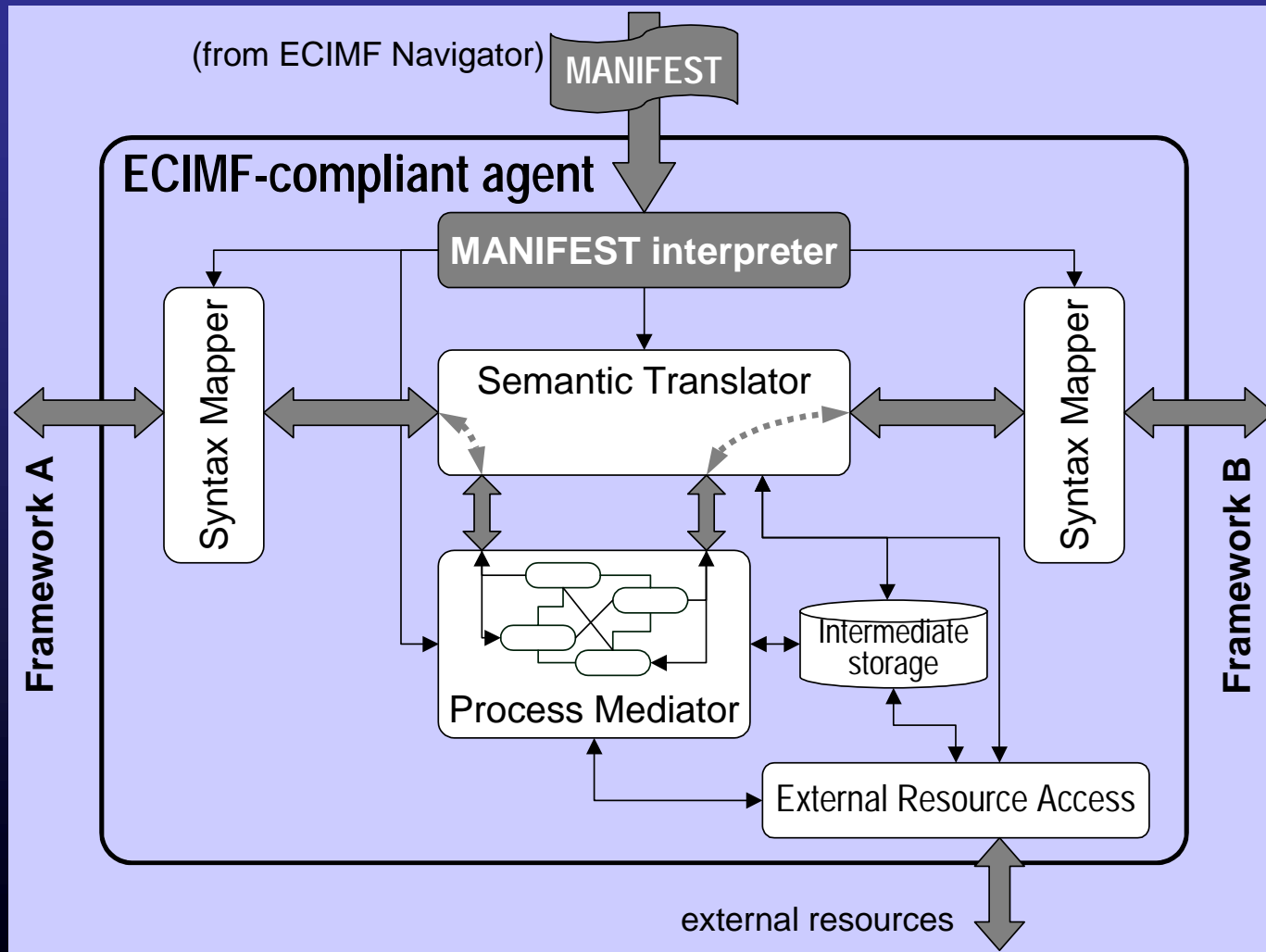


POC Toolkit - overall architecture



POC Runtime architecture

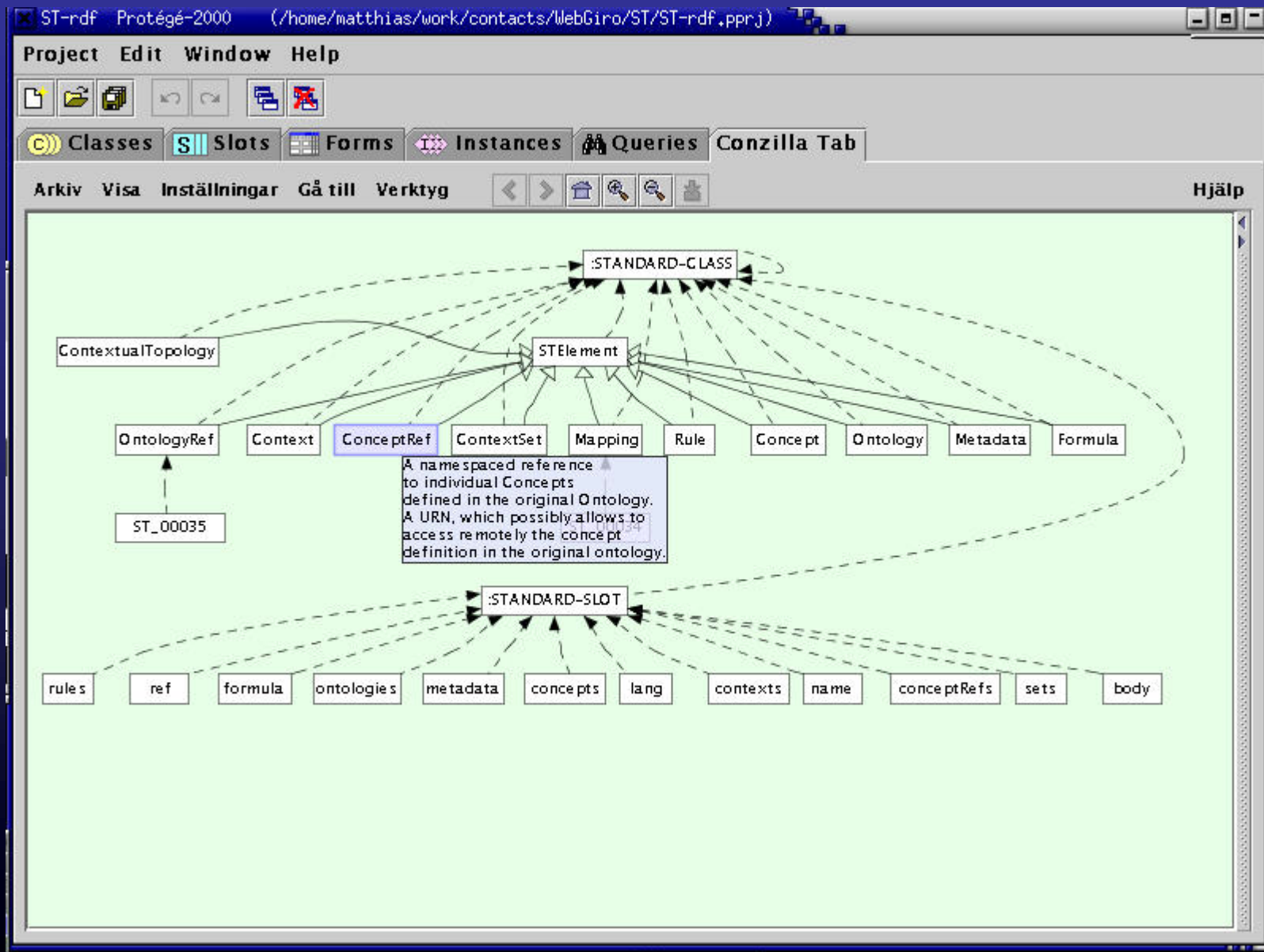
- Just a proposal...



Where are we now?

- Initial attempts to extend Conzilla
 - ◆ Primarily for Semantic Translation
 - ◆ Combine with another available tool (Protégé)
 - ◆ Add support for RDF models
- No other work has been done so far...

Conzilla - Protégé plugin



Conzilla - editing meta-data

The image shows a screenshot of the Conzilla software interface. The top window, titled "Neuron: ConceptRef", is a metadata editor. It has several tabs: "Educational", "Rights", "Relation", "Annotation", "Classification", "General", "Life Cycle", "Meta-metadata", and "Technical". The "Meta-metadata" tab is active, showing a "Description" field with the text: "A namespaced reference to individual Concepts defined in the original Ontology. A URN, which possibly allows to access remotely the concept definition in the original ontology." Below the description is a "Keywords" section with an "Add" button. At the bottom of the editor are buttons for "Kopiera", "Meta-data", "Använd", and "Spara".

The bottom window displays a diagram on a green grid background. A central box labeled "STANDARD-SLOT" is connected by dashed lines to several other boxes: "ST_00035", "ST_00034", "rules", "ref", "formula", "ontologies", "metadata", "concepts", "lang", "contexts", "name", "conceptRefs", "sets", and "body". To the right, a "Hjälp" (Help) window is partially visible, showing a diagram with boxes labeled "concept", "Ontology", "Metadata", and "Formula".

Status of Conzilla

- Protégé plugin mostly implemented by KTH team
 - ◆ Layout needs to be improved
 - ◆ Storage of the Conzilla Maps in the Protégé KB needs to be discussed
- Solid support for import/export of RDF
 - ◆ Connectivity to other Semantic Web work...
- The future?
 - ◆ Useful tool for navigating ontologies and working with meta-data
 - ◆ Reuses other plugins available through Protégé
 - ◆ The core development somewhat stalled...
- How does this contribute to the goals of ECIMF?
 - ◆ Semantic Translation: still to be done...
 - ◆ Too generic? Too abstract? Too flexible?

Summary

- The future use of Conzilla needs discussion
 - ◆ In the best case, it solves just the Semantic Translation part...
- Other parts of the toolkit are nonexistent yet...
 - ◆ Business Context matching
 - ◆ Process Mediation
 - ◆ Syntax Mapping
- Probably the POC toolkit should be limited to support the case outlined in the ECIMF-POC document...
- There is a draft architecture of the Runtime, for discussion
- Obviously, suggestions and help are much needed!

Further information

- ECIMF Project Information Center
 - ◆ <http://www.ecimf.org>
- Conzilla
 - ◆ <http://www.conzilla.org>
- WebGiro
 - ◆ <http://www.webgiro.com>
- CID/NADA, KTH
 - ◆ <http://cid.nada.kth.se>