

# Progress in Proof-of-Concept tools

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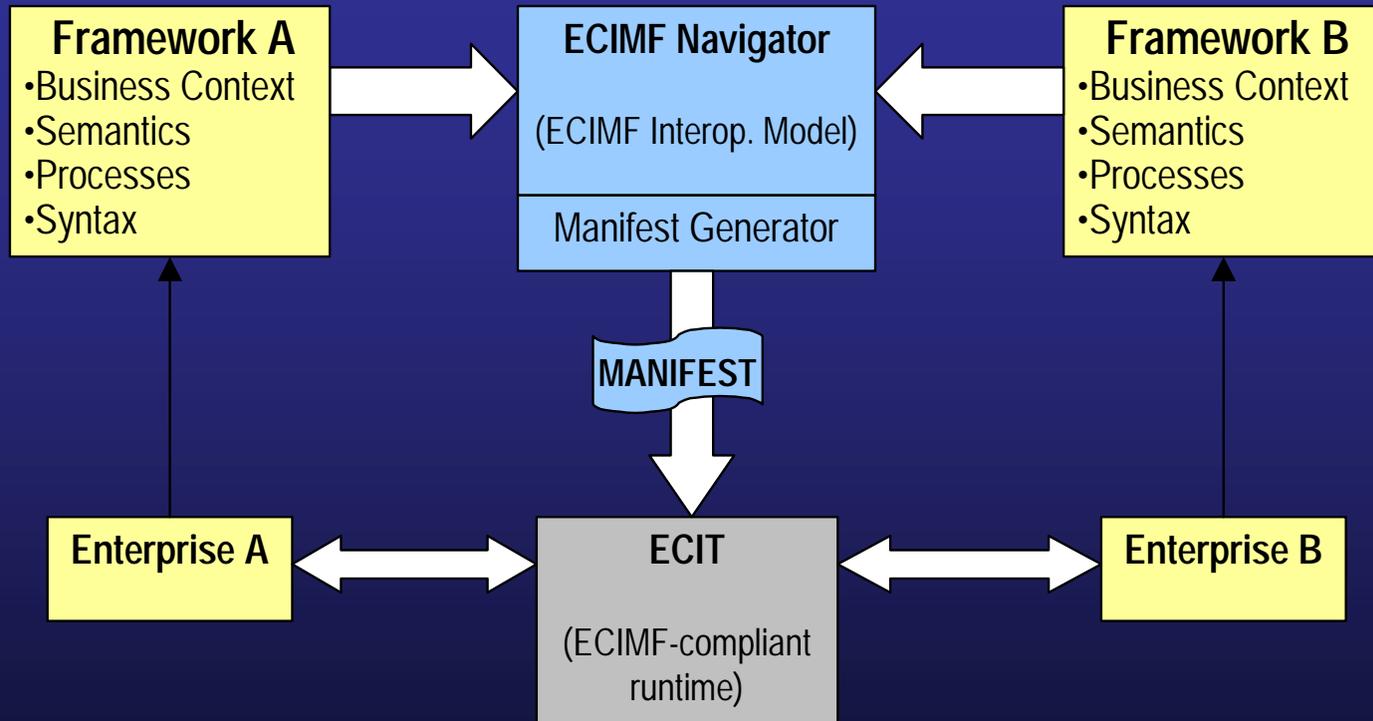
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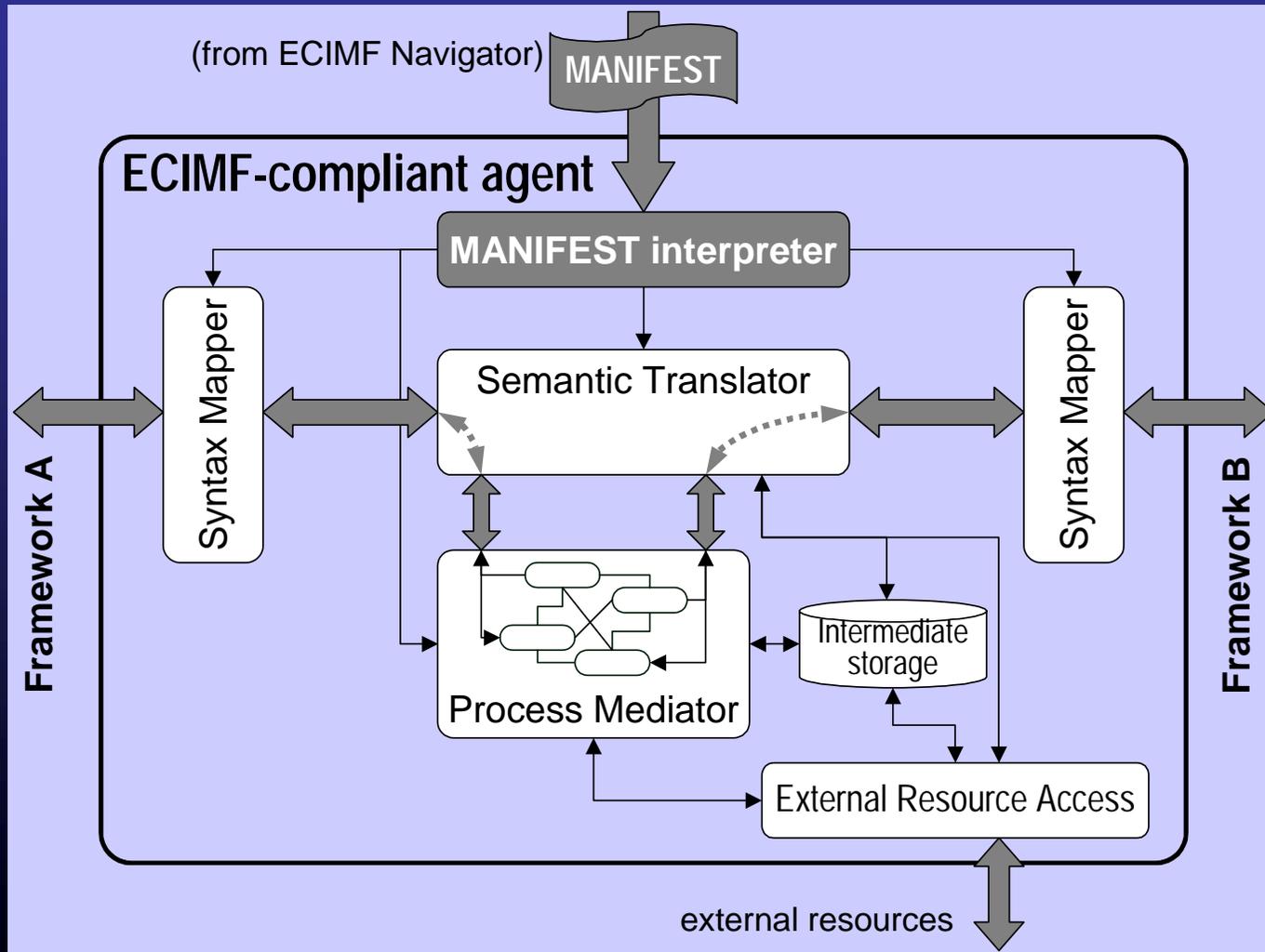


# POC Toolkit - overall architecture



# POC Runtime architecture

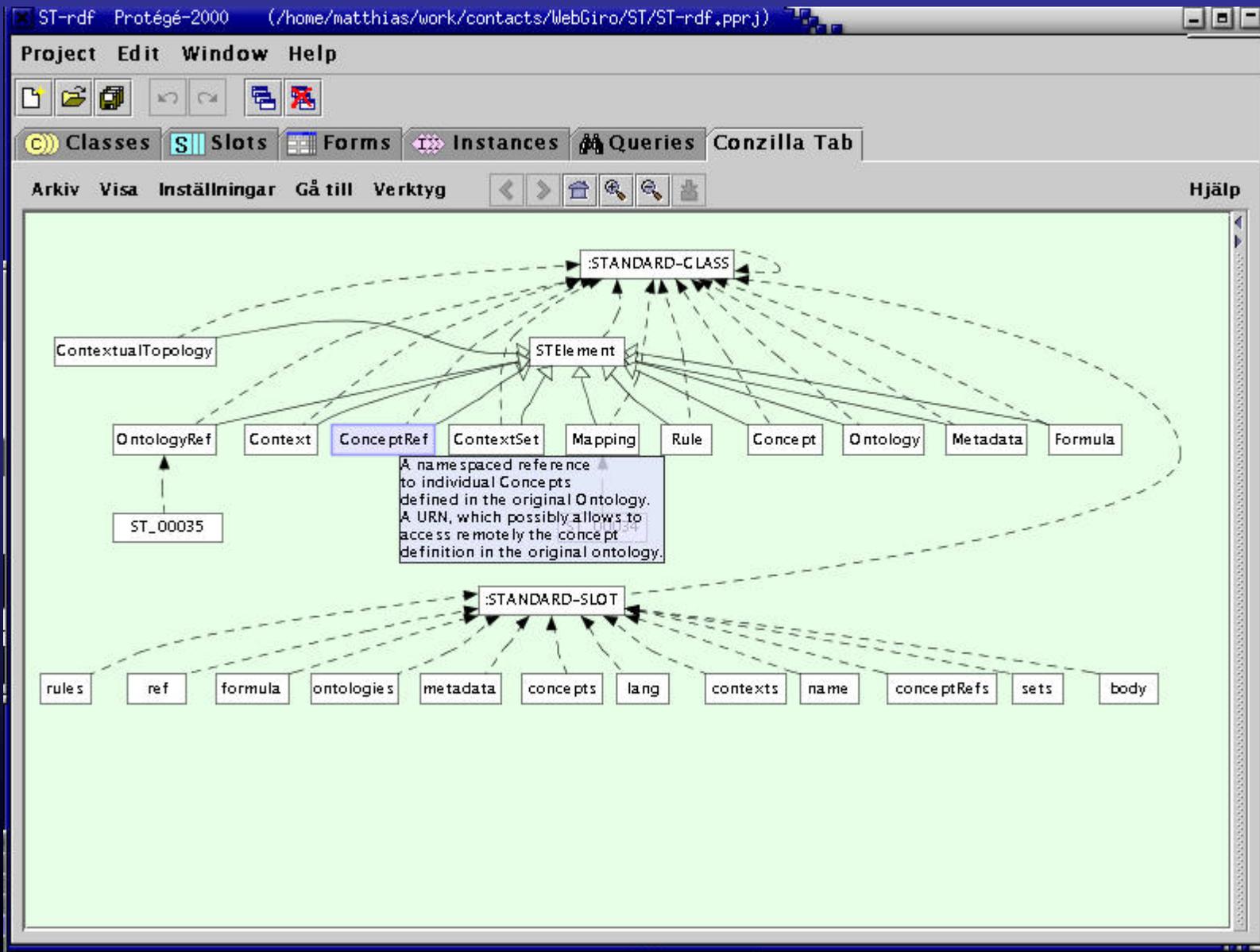
- Just a proposal...



# 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 screenshot displays the Conzilla application interface. The top window, titled "Neuron: ConceptRef", is a metadata editor with tabs for "Educational", "Rights", "Relation", "Annotation", and "Classification". The "Classification" 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. The bottom window shows a diagram with a central box labeled "STANDARD-SLOT" and several boxes below it: "rules", "ref", "formula", "ontologies", "metadata", "concepts", "lang", "contexts", "name", "conceptRefs", "sets", and "body". Dashed lines connect these boxes to the "STANDARD-SLOT" box. A "Hjälp" (Help) button is visible in the top right corner of the diagram window.

# 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>