NeOn Glossary of Processes and Activities

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What is the NeOn Glossary of Processes and Activities?

The NeOn Glossary of Processes and Activities identifies and defines the processes and activities potentially involved in the ontology network construction.

This glossary includes 59 definitions of processes and activities ordered alphabetically.

- ➢ The vocabulary included in the glossary is monolingual (English).
- ➢ Notes have been added to clarify similar processes and activities.
- ➢ Information about synonymous processes and activities has also been included.
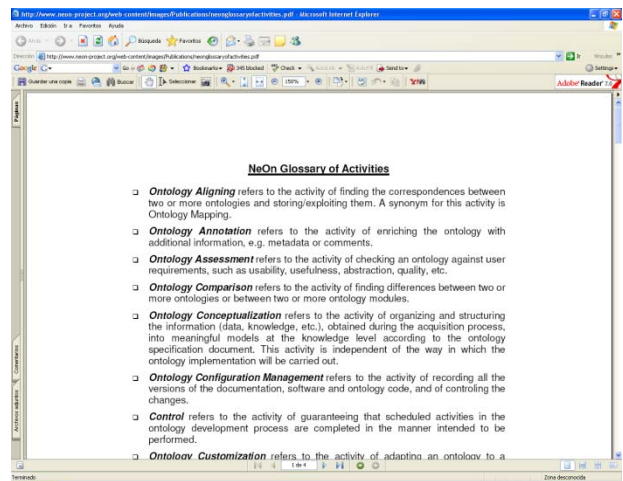
The NeOn Glossary has been established by a consensus reaching process among ontology engineers, ontology editors, and users within the NeOn project.

- ▪ The following partners within the NeOn Consortium have participated in the consensus reaching process: Universidad Politécnica de Madrid (UPM), Consiglio Nazionale delle Ricerche (CNR), United Nations Food & Agriculture Organization (FAO), Institut National de Recherche en Informatique et en Automatique (INRIA), Intelligent Software Components, S.A. (iSOCO), Josef Stefan Institute (JSI), The Open University (OU), Universitaet Karlsruhe (UKARL), and University of Sheffield (USFD).

Where can you get the NeOn Glossary of Processes and Activities?

The NeOn Glossary of Processes and Activities is published in the NeOn website and can be considered as a first step for solving the lack of a standard glossary in the Ontology Engineering.

http://www.neon-project.org/web-content/images/Publications/neonglossaryofactivities.pdf

How can you contribute to the NeOn Glossary of Processes and Activities?

We are currently in an open process whose aim is to obtain feedback from the Ontology Engineering community on the current glossary. If you wish to contribute, please go to

http://cicero.uni-koblenz.de/wiki/index.php/Prj:NeOn_Glossary_of_Processes_and_Activities

Processes and Activities included in the NeOn Glossary

Ontology Aligning	Ontology Implementation	Ontology Restructuring
Ontology Annotation	Ontology Integration	Ontology Repair
Ontology Assessment	Knowledge Acquisition for Ontologies	Non-ontological Resource Reuse
Ontology Comparison	Ontology Learning	Ontological Resource Reuse
Ontology Conceptualization	Ontology Localization	Ontology Reuse
Ontology Configuration Management	Ontology Mapping	Ontology Reverse Engineering
Control	Ontology Matching	Scheduling
Ontology Customization	Ontology Merging	Ontology Search
Ontology Design Pattern Reuse	Ontology Modification	Ontology Selection
Ontology Diagnosis	Ontology Modularization	Ontology Specialization
Ontology Documentation	Ontology Module Extraction	Ontology Requirements Specification
Ontology Elicitation	Ontology Module Reuse	Ontology Statement Reuse
Ontology Enrichment	Ontology Partitioning	Ontology Summarization
Ontology Environment Study	Ontology Population	Ontology Translation
Ontology Evaluation	Ontology Pruning	Ontology Update
Ontology Evolution	Ontology Quality Assurance	Ontology Upgrade
Ontology Extension	Non-Ontological Resource Reengineering	Ontology Validation
Ontology Feasibility Study	Non-Ontological Resource Reverse Engineering	Ontology Verification
Ontology Formalization	Non-Ontological Resource Transformation	Ontology Versioning
Ontology Forward Engineering	Ontology Reengineering	

Examples of definitions in the NeOn Glossary are

- **Ontology Modularization**. It refers to the activity of identifying one or more modules in an ontology with the purpose of supporting reuse or maintenance. We can make distinctions between Ontology Module Extraction and Ontology Partitioning.

- **Ontology Module Reuse**. It refers to the process of using ontology modules in the solution of different problems

- **Non-ontological Resource Reuse**. It refers to the process of taking the non-ontological resources (data bases, controlled vocabularies, etc.) available for the development of ontologies.

Additional information:

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- *NeOn Deliverable D5.3.1 (http://www.neon-project.org/web-content/images/Publications/neon_2007_d532.pdf)*
- *NeOn Deliverable D5.3.2 (http://www.neon-project.org/web-content/images/Publications/neon_2009_d532.pdf)*
- *TKE'08 Paper: "First Attempt towards a Standard Glossary of Ontology Engineering Terminology". Mari Carmen Suárez-Figueroa, Asunción Gómez-Pérez. 8th International Conference on Terminology and Knowledge Engineering (TKE2008). 18-21 August 2008. Copenhagen.*
- *LREC'08 Paper: "Towards a Glossary of Activities in the Ontology Engineering Field". Mari Carmen Suárez-Figueroa and Asunción Gómez-Pérez. Proceedings of the Sixth International Language Resources and Evaluation (LREC'08). 28-30 May 2008. Marrakech.*