**NeOn: Lifecycle Support for Networked Ontologies**

**Integrated Project (IST-2005-027595)**

**Priority: IST-2004-2.4.7 – "Semantic-based knowledge and content systems"**

# D6.6.2 NeOn Toolkit Documentation

Deliverable Co-ordinator:           Michael Erdmann

Deliverable Co-ordinating Institution:   Ontoprise GmbH (ONTO)

Other Authors:                     M. Becker, W. Hihn, R. Wroblenski

This document accompanies the second version of the online documentation for the NeOn Toolkit. The actual deliverable consists of a set of HTML pages which are integrated into the toolkit as an Eclipse Help-plug-in.

| Document Identifier: | NEON/2008/D6.6.2/v1.0 | Date due: | October 31, 2008 |
|---|---|---|---|
| Class Deliverable: | NEON EU-IST-2005-027595 | Submission date: | October 31, 2008 |
| Project start date: | March 1, 2006 | Version: | v1.0 |
| Project duration: | 4 years | State: | Final |
| | | Distribution: | Public |

## NeOn Consortium

This document is part of a research project funded by the IST Programme of the Commission of the European Communities; grant number IST-2005-027595. The following partners are involved in the project:

| | |
|---|---|
| **Open University (OU) – Coordinator**<br>Knowledge Media Institute – KMi<br>Berrill Building, Walton Hall<br>Milton Keynes,  MK7 6AA<br>United Kingdom<br>Contact person: Martin Dzbor, Enrico Motta<br>E-mail address: {m.dzbor, e.motta} @open.ac.uk | **Universität Karlsruhe – TH (UKARL)**<br>Institut für Angewandte Informatik und Formale<br>Beschreibungsverfahren – AIFB<br>Englerstrasse 11<br>D-76128 Karlsruhe, Germany<br>Contact person: Peter Haase<br>E-mail address: pha@aifb.uni-karlsruhe.de |
| **Universidad Politécnica de Madrid (UPM)**<br>Campus de Montegancedo<br>28660 Boadilla del Monte<br>Spain<br>Contact person: Asunción Gómez Pérez<br>E-mail address: asun@fi.upm.es | **Software AG (SAG)**<br>Uhlandstrasse 12<br>64297  Darmstadt<br>Germany<br>Contact person: Walter Waterfeld<br>E-mail address: walter.waterfeld@softwareag.com |
| **Intelligent Software Components S.A. (ISOCO)**<br>Calle de Pedro de Valdivia 10<br>28006  Madrid<br>Spain<br>Contact person: Jesús Contreras<br>E-mail address: jcontreras@isoco.com | **Institut 'Jožef Stefan' (JSI)**<br>Jamova 39<br>SI-1000 Ljubljana<br>Slovenia<br>Contact person: Marko Grobelnik<br>E-mail address: marko.grobelnik@ijs.si |
| **Institut National de Recherche en Informatique et en Automatique (INRIA)**<br>ZIRST – 655 avenue de l'Europe<br>Montbonnot Saint Martin<br>38334 Saint-Ismier<br>France<br>Contact person: Jérôme Euzenat<br>E-mail address: jerome.euzenat@inrialpes.fr | **University of Sheffield (USFD)**<br>Dept. of Computer Science<br>Regent Court<br>211 Portobello street<br>S14DP Sheffield<br>United Kingdom<br>Contact person: Hamish Cunningham<br>E-mail address: hamish@dcs.shef.ac.uk |
| **Universität Koblenz-Landau (UKO-LD)**<br>Universitätsstrasse 1<br>56070  Koblenz<br>Germany<br>Contact person: Steffen Staab<br>E-mail address: staab@uni-koblenz.de | **Consiglio Nazionale delle Ricerche (CNR)**<br>Institute of cognitive sciences and technologies<br>Via S. Martino della Battaglia,<br>44 - 00185 Roma-Lazio,  Italy<br>Contact person: Aldo Gangemi<br>E-mail address: aldo.gangemi@istc.cnr.it |
| **Ontoprise GmbH. (ONTO)**<br>Amalienbadstr. 36<br>(Raumfabrik 29)<br>76227 Karlsruhe<br>Germany<br>Contact person: Jürgen Angele<br>E-mail address: angele@ontoprise.de | **Food and Agriculture Organization<br>of the United Nations (FAO)**<br>Viale delle Terme di Caracalla 1<br>00100  Rome<br>Italy<br>Contact person: Marta Iglesias<br>E-mail address: marta.iglesias@fao.org |
| **Atos Origin S.A. (ATOS)**<br>Calle de Albarracín, 25<br>28037  Madrid<br>Spain<br>Contact person: Tomás Pariente Lobo<br>E-mail: tomas.parientelobo@atosorigin.com | **Laboratorios KIN, S.A. (KIN)**<br>C/Ciudad de Granada, 123<br>08018  Barcelona<br>Spain<br>Contact person: Antonio López<br>E-mail address: alopez@kin.es |

NeOn

## Work package participants

The following partners have taken an active part in the work leading to the elaboration of this document, even if they might not have directly contributed writing parts of this document:

Ontoprise GmbH

## Change Log

| Version | Date | Amended by | Changes |
|---------|------|------------|---------|
| 0.5 | 2008-08-10 | Michael Erdmann | Setup of document template |
| 0.6 | 2008-08-20 | Michael Erdmann | Collection of HTML for NeOn Toolkit core and ontoprise commercial plug-ins |
| 0.7 | 2008-11-10 | Martin Becker | Addition of documentation of OWL modelling plug-in |
| 1.0 | 2008-11-30 | Michael Erdmann | Finalization of review ready document |
| | | | |

## Executive Summary

This document accompanies the second version of the online documentation for the NeOn Toolkit. The actual deliverable consists of a set of HTML pages which are integrated into the toolkit as an Eclipse Help-plug-in.

## Table of Contents

# 1.   Introduction

This document presents the second, updated version of the online documentation of the NeOn Toolkit. It replaces Deliverable D6.7.1 "Beta release of the core NeOn online documentation". The current documentation applies to the NeOn Toolkit version 1.1.1 (as released in July 2008) and to the current NeOn Toolkit version 1.2.0 as presented in September 2008, cf. Deliverable D6.7.2 "Update of the core NeOn Toolkit".

We will make this documentation available via a number of distribution channels, the main one being the bundling with the toolkit. Additionally we will make it available via the NeOn Toolkit Website www.neon-toolkit.org for online browsing. The built-in Eclipse mechanism of updating features will also be utilized to publish the documentation via the software update site. This enables already installed copies of the NeOn Toolkit to access the documentation and to install it as a new "software component" (feature) into the toolkit itself. A fourth channel is a downloadable executable, standalone application that represents a viewer for Eclipse-based software documentations. This viewer contains a simple web-server and allows easy navigation in the contents as well as searching for keywords to makes it easier to locate certain bits of information.

## 2.    NeOn Toolkit Online Documentation

Since the online documentation actually consists of a set of HTML pages that are available from within the toolkit and can be accessed interactively, here we do not reproduce the content in "paper form". The number of pages and the amount of effort that would be need to achieve a convenient layout for a paper-based document justify the decision to publish an electronic version of the documentation, only. Nevertheless we do provide a more *linear* form of the whole documentation as a single PDF file. Please refer to

> NeOnToolkit-online-documentation-v2.pdf

Please note that the layout of the pages in the PDF document does not obey to the NeOn deliverable guidelines.

## 3. Extensibility

The documentation for the core functionalities is structured in a way that other plug-ins can easily hook up into the tree structure of this manual. A couple of so-called *anchors* are provided to represent good locations for the other plug-ins to provide their information.

- **Perspectives:** If a plug-in introduces a new perspective the plug-in can describe its purpose, its contents and how to use it under this section.

- **Imports:** Plug-ins providing import-interfaces to load ontologies in various formats, or to load other data into the toolkit can provide their documentation by referring to the "imports" anchor.

- **Exports:** Similarly, plug-ins exporting data from the NeOn Toolkit can hook up under the "exports" anchor.

- **Other :** If a plug-in developer wants to include the documentation under the heading of the NeOn Toolkit it can use the "more" anchor which will insert plug-in contributions at the end of the NeOn Toolkit on-line manual, just before the example usages and the glossary.

- **Sample:** Exemplary walkthroughs of the plug-ins' functionalities can be documented under the sample-anchor. In this way, more usage-oriented documentation in a tutorial-like style can be formulated and provided to the users.

This mechanism will be used by the plug-ins that were developed by NeOn partners and will be summarized and published in forthcoming Deliverable D6.10.2 "NeOn Plug-in Development".

## 4. References

NeOn D6.7.1        Michael Erdmann, Thomas Hemp: Deliverable D6.7.1: Beta
                   release of the Core NeOn Online Documentation. NeOn
                   Project Deliverable, 2007.

NeOn D6.7.2        Michael Erdmann, Werner Hihn: D6.7.2 Update of the core
                   NeOn toolkit, NeOn Project Deliverable 2008.

NeOn D6.10.1       Peter Haase et al. NeOn Deliverable D6.10.1 Realization of
                   core engineering components for the NeOn Toolkit. February
                   2008