



Ontology Management Suite OMS

Final Release 30 June 2006

DIP WP 2 Ontology Management

This version:

<http://www.omwg.org/tools/dip/m30/>

Latest version:

<http://www.omwg.org/tools/dip/>

This document is also available in non-normative [PDF](#) version.

Copyright © 2006 by [DIP](#). All Rights Reserved. [DIP](#) liability, trademark, document use, and software licensing rules apply.

Abstract

This is the overview document for all tools and accompanying documents that have been developed in course of WP 2 "Ontology Management" in the [DIP](#) project for the final release in June 2006. It provides links to the respective fact sheets (download, installation, and licensing information) as well as user guides and accompanying documents.

- for download and installation of the integrated OMS see:
<http://www.omwg.org/tools/dip/factsheets/OntologyEditorFactSheet.html#intro>
- a comprehensive user guide for the OMS end user tools is provided at:
<http://www.omwg.org/tools/dip/oms/>

Update Release

An update of the OMS has been released on 18th October, 2006. Available at:
<http://www.omwg.org/tools/dip/m30/update-release.html>

Table of contents

- [1. Introduction and Overview](#)
 - [2. Tools - Fact Sheets and User Guides](#)
-

1. Introduction and Overview

The DIP Ontology Management Suite (OMS) develops an integrated set of tools for efficient and effective development and maintenance of ontologies.

Integrated with the DIP architecture, the OMS has the following features in order to provide sophisticated ontology management support for the DIP project as well as for the Semantic Web in general:

- the Web Service Modeling Language WSMO as the ontology language used in DIP
- based on WSMO4J and ORDI to allow interoperability and integration with other DIP / WSMO tools
- usage of Eclipse as technical platform for smooth integration
- repository-based ontology management for stability and scalability
- incorporation of 3 tools for advanced ontology management:
 1. integrated *versioning* for evolution support of ontologies
 2. a *mapping editor* for handling heterogeneous ontologies
 3. a *reporting tool* for community-driven ontology management.

Figure 1 shows the overall architectures of the OMS and the allocation of respective deliverables in DIP WP 2.

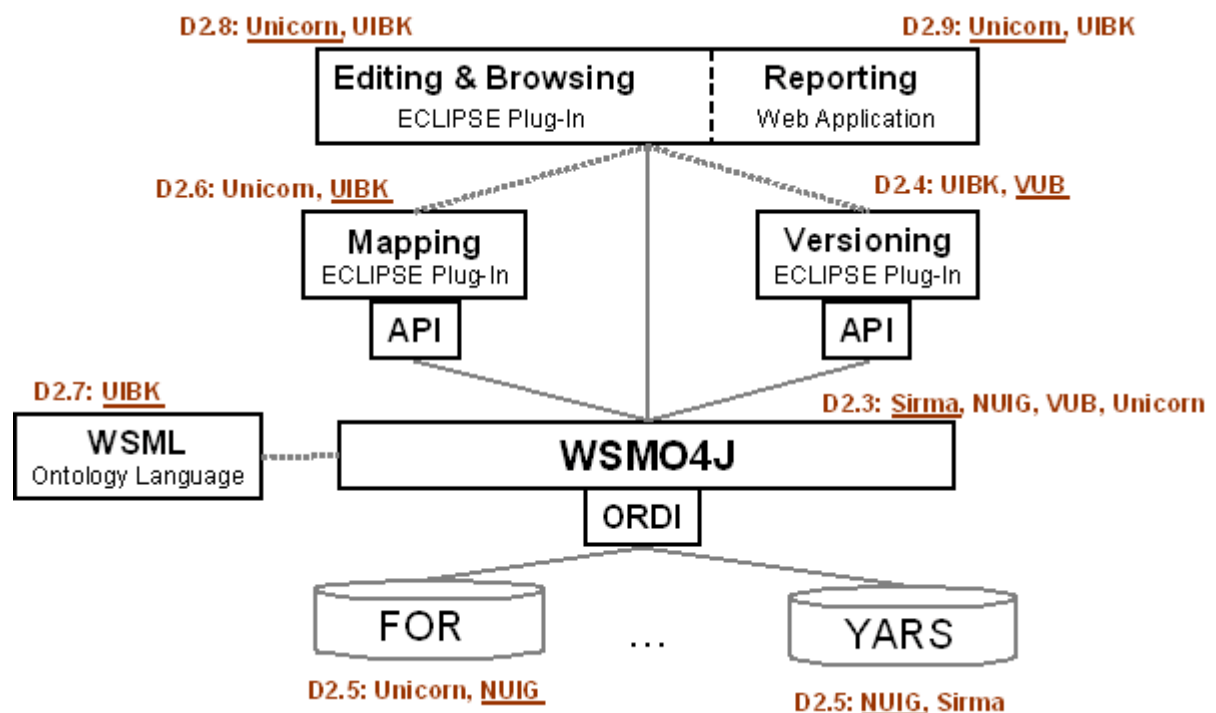


Figure 1. OMS Architecture & Allocation of WP 2 Deliverables and Partners

2. Tools - Fact Sheets and User Guides

The following provides the links to the fact sheets and accompanying documents, order by the DIP deliverable number:

- for download and installation of the integrated OMS see:
<http://www.omwg.org/tools/dip/factsheets/OntologyEditorFactSheet.html#intro>
- a comprehensive user guide for the OMS end user tools is provided at:
<http://www.omwg.org/tools/dip/oms/>

D2.3 **Ontology Representation and Data Integration Framework (ORDI):**

provides the middle layer for ontology management, including an API for ontology data handling by end user tools as well as a generic interface for adapting ontology repositories.

- fact sheet (with previous versions):
<http://www.ontotext.com/ordi/v0.4/FactSheet.html>
- further information at: <http://www.ontotext.com/ordi/>

D2.4 **Ontology Versioning Tool:** ontology versioning for evolution support and maintenance of ontologies

- fact sheet (with previous versions):
<http://www.omwg.org/tools/versioning/v1.0/FactSheet.html>
- user guide: <http://www.omwg.org/tools/dip/oms/#sec3>
- background and theory: <http://www.omwg.org/tools/dip/factsheets/D2.4-theorydoc.pdf>

D2.5 **Ontology Repositories** for persistent storage and retrieval of ontology data. The DIP OMS provides two ontology repositories and allows information interchange between them.

- overall fact sheet (with previous versions):
<http://sw.deri.org/2005/03/diprdf/wp2.5>
- YARS fact sheet: <http://sw.deri.org/2005/03/diprdf/FactSheet>
- FOR fact sheet:
<http://sw.deri.org/2005/03/diprdf/UnicornRepositoryFactSheet.html>

D2.6 **Ontology Mapping Editor:** a language for mapping ontologies and a graphical user interface

- fact sheet (with previous versions):
<http://www.omwg.org/tools/dip/factsheets/MappingEditorFactSheet.html>
- user guide: <http://www.omwg.org/tools/dip/oms/#sec4>
- background and theory: <http://www.omwg.org/tools/dip/factsheets/2.6-v3.pdf>

D2.7 **Ontology Representation Language:** the Web Service Modeling Ontology WSMO as the DIP / WSMO specification language

- report: <http://www.omwg.org/tools/dip/factsheets/DIPDeliverable2.7-final.pdf>
- further information: <http://www.wsmo.org/wsml/>

D2.8 **Ontology Editing & Browsing Tool:** a graphical user interface (GUI) for creating, maintaining and browsing WSMO Ontologies
this serves as the GUI for the integrated OMS tool suite

- fact sheet (with previous versions):
<http://www.omwg.org/tools/dip/factsheets/OntologyEditorFactSheet.html>

- user guide: <http://www.omwg.org/tools/dip/oms/#sec2>

D2.9 Ontology Reporting Tool: a web application for community-driven ontology management with a graphical user interface (GUI) for browsing and reporting.

- fact sheet (with previous versions):
<http://www.omwg.org/tools/dip/factsheets/ReportingToolFactSheet.html>
- user guide: <http://www.omwg.org/tools/dip/oms/#sec5>



Michael Stollberg, DERI Innsbruck, DIP WP 2 leader

\$Date: 2006/21/06 16:34:43 \$