

# LUI SA

*Learning Content Management System Using Innovative Semantic Web  
Services Architecture*

IST- FP6 - 027149



## **Deliverable 4.7** **LOMR reference implementation**

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Due date of deliverable: 31/05/2008

Actual submission date: 30/06/2008

Start date of the project: 01/03/2006

Duration: 30 Months

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Version 1.0, dated 27/06/2008

## Change History

Version	Date	Status	Author (Partner)	Description
1.0	27.06.2008	Final	Miguel-Angel Sicilia	Short deliverable with the information about where LOMR reference implementation can be found

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## EXECUTIVE SUMMARY

Deliverable D4.7. presents the reference implementation of the LOMR.

The luisa-lomr is an open source framework written in Java that implements the functions of a repository of semantic learning object metadata. Here “semantic” means that the data is stored in the form of ontology individuals. The current implementation uses WSMML as the underlying ontology language. This enables the use of reasoners or specialized knowledge-based search technology embedded inside the repository.

Version 0.2. is an update architectural prototype and thus cannot be considered yet a production version. The software can be downloaded from:

<http://code.google.com/p/luisa-lomr/>

The document is accompanied by the software delivered specifically for this prototype.

## Document Information








<b>IST Project Number</b>	FP6 – 027149	<b>Acronym</b>	LUISA
<b>Full title</b>	Learning Content Management System Using Innovative Semantic Web Services Architecture		
<b>Project URL</b>	<a href="http://www.luisa-project.eu">http://www.luisa-project.eu</a>		
<b>Document URL</b>			
<b>EU Project officer</b>	Francesco Barbato		

<b>Deliverable</b>	<b>Number</b>	D4.7	<b>Title</b>	LOMR reference implementation
<b>Work package</b>	<b>Number</b>	4	<b>Title</b>	Learning Object Metadata Repositories and LOMR Integration Development

<b>Date of delivery</b>	<b>Contractual</b>	31/05/2008	<b>Actual</b>	30/06/2008
<b>Status</b>	Version 1.0, dated 31/08/2007		final <input checked="" type="checkbox"/>	
<b>Nature</b>	Report <input type="checkbox"/> Demonstrator <input checked="" type="checkbox"/> Other <input type="checkbox"/>			
<b>Dissemination Level</b>	Public <input checked="" type="checkbox"/> Consortium <input type="checkbox"/>			
<b>Abstract (for dissemination)</b>	This document is the report of the prototype of the LUISA LOMR. As a prototype deliverable, it only includes the reference to the software and where it can be downloaded.			
<b>Keywords</b>	LOMR, prototype, demonstrator, Learning objects, learning object repositories, Semantic Web, Semantic Web Services, ontologies, WSMO, IRS-III, IEEE LOM, IMS LD.			

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## **REPORT ON SOFTWARE**

This deliverable is a software prototype. This means that the document is accompanied by the software and documentation delivered specifically for this prototype.

The document stands just as a written pointer to a public URL, where the software can be downloaded.

Version 0.2. is an architectural prototype and thus cannot be considered yet a production version. The software can be downloaded from:

<http://code.google.com/p/luisa-lomr/>

The LUISA LOMR (learning object metadata repository) is a Java library that allows the storage of ontologies and their associated instances representing learning needs and learning object metadata.

It currently implements translators for IEEE LOM and IMS LD and provides a framework to develop domain or purpose-specific search and composition of learning objects.

The downloadable information is composed of the following items:

- User Manual folder: It contains The LUISA LOMR user manual (luisa\_lomr\_v.0.2\_UserManual.pdf)
- Code folder: Containing the software (java classes) and documentation (javadoc) delivered for the prototype.
- Libraries folder: Containing the java libraries used.

The software is accompanied by the necessary documentation to configure, install, use and extend the current version of the prototype.