

# **LUISA**

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

**IST- FP6 - 027149**



## **Deliverable D4.4** **LOMR architectural prototype**

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## Change History

<b>Version</b>	<b>Date</b>	<b>Status</b>	<b>Author (Partner)</b>	<b>Description</b>
0.1	31.08.2007	Final	Miguel-Angel Sicilia	Pointer to the software

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## EXECUTIVE SUMMARY

Deliverable D4.4. presents the realisation of the prototype 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 0.1. is an architectural prototype and thus cannot be considered yet a production version. The software can be downloaded from:

<http://www.cc.uah.es/ie/projects/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>	Kypros Kyprianou		

<b>Deliverable</b>	<b>Number</b>	D4.4	<b>Title</b>	LOMR architectural prototype
<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>	01/09/2007	<b>Actual</b>	31/08/2007
<b>Status</b>	Version 1.0, dated 31/08/2007		final <input 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 it is accompanied by a CD.			
<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 CD and a public URL, where the software can be downloaded.

Version 0.1. is an architectural prototype and thus cannot be considered yet a production version. The software can be downloaded from:

<http://www.cc.uah.es/ie/projects/luisa/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 WSML as the underlying ontology language. This enables the use of reasoners or specialized knowledge-based search technology embedded inside the repository.

The downloadable information is composed of the following items:

- User Manual folder: It contains The LUISA LOMR user manual (luisa\_lomr\_v.0.1\_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.