Deliverable

**WP 14: Training**

**D14.1d+e**

**External WSMO Tutorials**

Christoph Bussler, Liliana Cabral, Emilia Cimpian, John Domingue, Stefania Galizia, Armin Haller, Mick Kerrigan, Matthew Moran, Barry Norton, Carlos Pedrinaci, Dumitru Roman, Brahmananda Sapkota, Omair Shafiq, Michael Stollberg, Vlad Tanasescu and Michal Zaremba

November 27th, 2006
EXECUTIVE SUMMARY
This document describes full and half day WSMO tutorials at high profile venues. These tutorials contain hands-on sessions. For each tutorial we provide the URLs for the slides used.
## Document Information

<table>
<thead>
<tr>
<th>IST Project Number</th>
<th>Acronym</th>
<th>DIP</th>
</tr>
</thead>
<tbody>
<tr>
<td>FP6 – 507483</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Full title</th>
<th>Project URL</th>
<th>Document URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data, Information, and Process Integration with Semantic Web Services</td>
<td><a href="http://dip.semanticweb.org">http://dip.semanticweb.org</a></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EU Project officer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kai Tullius</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Deliverable Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1</td>
<td>External WSMO Tutorials</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Work package Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>14</td>
<td>Training</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date of delivery</th>
<th>Contractual</th>
<th>Actual</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>M 24</td>
<td>November 27th, 2006</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Status</th>
<th>Nature</th>
<th>Dissemination Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>version. 1.00 final</td>
<td>Prototype</td>
<td>Report</td>
</tr>
<tr>
<td>Public</td>
<td>Consortium</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Authors (Partner)</th>
</tr>
</thead>
<tbody>
<tr>
<td>OU</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Responsible Author</th>
<th>Email</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vlad Tanasescu</td>
<td><a href="mailto:V.Tanasescu@open.ac.uk">V.Tanasescu@open.ac.uk</a></td>
<td>+44 1908 655412</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Abstract (for dissemination)</th>
</tr>
</thead>
<tbody>
<tr>
<td>WP14 is about introducing and training to WSMO. This document describes the tutorials held at high profile venues aimed at experts as well as beginners in the field.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Keywords</th>
</tr>
</thead>
<tbody>
<tr>
<td>WSMO tutorials</td>
</tr>
</tbody>
</table>

## Version Log

<table>
<thead>
<tr>
<th>Issue Date</th>
<th>Rev No.</th>
<th>Author</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>27-11-06</td>
<td>001</td>
<td>Vlad Tanasescu</td>
<td>Initial version of the document</td>
</tr>
</tbody>
</table>

## Reviewer

<table>
<thead>
<tr>
<th>Reviewer</th>
<th>Email</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reviewer 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Partner</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reviewer 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Partner</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
# Project Consortium Information

<table>
<thead>
<tr>
<th>Partner</th>
<th>Acronym</th>
<th>Contact</th>
</tr>
</thead>
</table>
| National University of Ireland Galway     | NUIG    | Dr. Sigurd Harand  
Digital Enterprise Research Institute (DERI)  
National University of Ireland, Galway  
Galway  
Ireland  
Email: sigurd.harand@deri.org  
Tel: +353 91 495112 |
| Fundacion De La Innovacion.Bankinter      | Bankinter | Monica Martinez Montes  
Fundacion de la Innovation, Bankinter  
Paseo Castellana, 29  
28046 Madrid, Spain  
Email: mmtnez@bankinter.es  
Tel: 916234238 |
| British Telecommunications Plc.           | BT      | Dr John Davies  
BT Exact (Orion Floor 5 pp12)  
Adastral Park Martlesham  
Ipswich IPS 3RE, United Kingdom  
Email: john.nj.davies@bt.com  
Tel: +44 1473 609583 |
| Swiss Federal Institute of Technology, Lausanne | EPFL    | Prof. Karl Aberer  
Distributed Information Systems Laboratory  
École Polytechnique Fédérale de Lausanne  
Bât. PSE-A  
1015 Lausanne, Switzerland  
Email: Karl.Aberer@epfl.ch  
Tel: +41 21 693 4679 |
| Essex County Council                      | Essex   | Mary Rowlett,  
Essex County Council  
PO Box 11, County Hall, Duke Street  
Chelmsford, Essex, CM1 1LX  
United Kingdom.  
Email: maryr@essexcc.gov.uk  
Tel: +44 (0)1245 436524 |
| Forschungszentrum Informatik              | FZI     | Andreas Abecker  
Forschungszentrum Informatik  
Haid-und-Neu Strasse 10-14  
76131 Karlsruhe  
Germany  
Email: abecker@fzi.de  
Tel: +49 721 9654 0 |
| Institut für Informatik, Leopold-Franzens Universität Innsbruck | UIBK    | Prof. Dieter Fensel  
Institute of computer science  
University of Innsbruck  
Technikerstr. 25  
A-6020 Innsbruck, Austria  
Email: dieter.fensel@deri.org  
Tel: +43 512 5070485 |
<table>
<thead>
<tr>
<th>Organization</th>
<th>Contact Information</th>
</tr>
</thead>
</table>
| ILOG SA                      | Christian de Sainte Marie  
9 Rue de Verdun, 94253  
Gentilly, France  
Email: csma@ilog.fr  
Tel: +33 1 49082981 |
| inubit AG                    | Torsten Schmale  
inubit AG  
Lützowstraße 105-106  
D-10785 Berlin  
Germany  
Email: ts@inubit.com  
Tel: +49 30726112 0 |
| Intelligent Software Components, S.A. | Dr. V. Richard Benjamins, Director R&D  
Intelligent Software Components, S.A.  
Pedro de Valdivia 10  
28006 Madrid, Spain  
Email: rbenjamins@isoco.com  
Tel. +34 913 349 797 |
| MDR Partners                 | Rob Davies  
MDR Partners  
8 St. Andrew Street  
Hertford, Herts.  
United Kingdom, SG14 1JA,  
Email: rob.davies@mdrpartners.com  
+44 (0)208 8763121 |
| Hanival Internet Services GmbH | Alexander Wahler  
Hanival Internet Services GmbH  
Kirchengasse 13/1a  
A-1070 Wien  
Email: wahler@niwa.at  
Tel:+43(0)1 3195843-11 |
| The Open University          | Dr. John Domingue  
Knowledge Media Institute  
The Open University, Walton Hall  
Milton Keynes, MK7 6AA  
United Kingdom  
Email: j.b.domingue@open.ac.uk  
Tel.: +44 1908 655014 |
| SAP AG                       | Dr. Elmar Dorner  
SAP Research, CEC Karlsruhe  
SAP AG  
Vincenz-Priessnitz-Str. 1  
76131 Karlsruhe, Germany |
<table>
<thead>
<tr>
<th>Company</th>
<th>Contact Person</th>
<th>Address</th>
<th>Phone</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sirma AI Ltd.</td>
<td>Atanas Kiryakov</td>
<td>Ontotext Lab, - Sirma AI EAD</td>
<td>+49 721 6902 31</td>
<td><a href="mailto:elmar.dorner@sap.com">elmar.dorner@sap.com</a></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Office Express IT Centre, 3rd Floor</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>135 Tzarigradsko Chausse</td>
<td></td>
<td><a href="mailto:atanas.kiryakov@sirma.bg">atanas.kiryakov@sirma.bg</a></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sofia 1784, Bulgaria</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unicorn Solution Ltd.</td>
<td>Jeff Eisenberg</td>
<td>Unicorn Solutions Ltd, Malcha Technology</td>
<td>+359 2 9768 303</td>
<td><a href="mailto:Jeff.Eisenberg@unicorn.com">Jeff.Eisenberg@unicorn.com</a></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Park 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Jerusalem 96951</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Israel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vrije Universiteit Brussel</td>
<td>Pieter De Leenheer</td>
<td>Starlab- VUB</td>
<td>+32 (0) 2 629 3749</td>
<td><a href="mailto:Pieter.De.Leenheer@vub.ac.be">Pieter.De.Leenheer@vub.ac.be</a></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Vrije Universiteit Brussel</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Pleinlaan 2, G-10</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>1050 Brussel ,Belgium</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
LIST OF KEY WORDS/ABBREVIATIONS

WSMO, Semantic Web Services, Internet Reasoning Service, Tutorials.
# Table of Contents

## Executive Summary

III

## List of Key Words/Abbreviations

VII

## Table of Contents

VIII

## 1 Introduction

1

## 2 Hawaii International Conference on System Sciences (HICSS-39, Kauai, Hawaii) - 4th January 2006

1

### 2.1 Resources

1

## 3 International Conference on Internet and Web Applications and Services (ICIW'06, Guadeloupe, French Caribbean) - 19th February 2006

2

### 3.1 Resources

2

## 4 Super Kick-Off (Speyer, Germany) - 3-5 April 2006

2

### 4.1 Resources

2

## 5 OASIS Symposium 2006: The Meaning of Interoperability (San Francisco, CA) - 9-12 May 2006

2

### 5.1 Resources

2

## 6 The Fourth Summer School on Ontological Engineering and the Semantic Web (SSSW'06, Cerdedilla, Spain) - 9th to 15th July 2006

3

### 6.1 Resources

3

## 7 The Twenty-First National Conference on Artificial Intelligence (AAAI06, Boston, Massachusetts) - 16–20 July 2006

3

### 7.1 Resources

3

## 8 1st Asian Semantic Web Conference (ASWC2006, Beijing, China) - 3-7 September 2006

3

### 8.1 Resources

3
1 INTRODUCTION

This document describes 7 full and half day presentations of the state of the art Semantic Web Services concepts (WSMO, OWL-S) and implementations (WSMX, IRS-III, WSMO Studio and the DIP Ontology Mapping Tool) including hands-on sessions. These tutorials were held at the following international venues:

HICSS-39 - 4th January, 2006
ICIW 2006 - 19th February 2006
SUPER Kick-Off - 3rd – 5th April 2006
OASIS Symposium - 9th – 12th May 2006
SSSW 2006 - 9th – 15th July 2006
AAAI 2006 - 16th – 20th July 2006

The tutorials were aimed, depending on the venue, at newcomers to the field as well as experts. Information about the tutorials as well as the accompanying slides can be obtained from the following public URL:

http://kmi.open.ac.uk/projects/dip/events.html

The following sections describe the characteristics of the tutorials in event chronological order, and provide pointers to resources when available.

2 HAWAII INTERNATIONAL CONFERENCE ON SYSTEM SCIENCES (HICSS-39, KAUAI, HAWAII) - 4TH JANUARY 2006

Further information about the hosting event can be found at
http://www.hicss.hawaii.edu/

This full day tutorial introduced the main aspects related to Semantic Web Services as described by WSMO, before presenting and demonstrating the reference implementations, IRS and WSMX.

2.1 Resources

3 INTERNATIONAL CONFERENCE ON INTERNET AND WEB APPLICATIONS AND SERVICES (ICIW'06, GUADELOUPE, FRENCH CARIBBEAN) - 19TH FEBRUARY 2006

Further information about the hosting event can be found at http://www.iaria.org/conferences/ICIW06.html.

This full day tutorial was devoted to introducing the main aspects related to Semantic Web Services. It presented the main Semantic Web Services frameworks proposed so far and concluded presenting IRS and WSMX as the WSMO reference implementations.

3.1 Resources

- PowerPoint document: http://kmi.open.ac.uk/projects/dip/resources/ICIW06/ICIW06.ppt
- Hands on package: http://kmi.open.ac.uk/projects/dip/resources/ICIW06/ICIW06.zip

4 SUPER KICK-OFF (SPEYER, GERMANY) - 3-5 APRIL 2006

The tutorial was held during the kick-off of the Integrated Project SUPER in Speyer, Germany. Further information about the project can be found in its web page at http://www.ip-super.org/.

4.1 Resources


5 OASIS SYMPOSIUM 2006: THE MEANING OF INTEROPERABILITY (SAN FRANCISCO, CA) - 9-12 MAY 2006

The tutorial was held during the OASIS Symposium 2006: The Meaning of Interoperability (San Francisco, CA). Further information about the hosting event can be found in its web page at http://www.oasis-open.org/events/symposium_2006/.

5.1 Resources

6 THE FOURTH SUMMER SCHOOL ON ONTOLOGICAL ENGINEERING AND THE SEMANTIC WEB (SSSW'06, CERCEDILLA, SPAIN) - 9TH TO 15TH JULY 2006

Further information about the hosting event can be found in its web page at http://torresq.dia.fi.upm.es/sssw06/.

6.1 Resources
- Hands on instructions: http://kmi.open.ac.uk/projects/dip/resources/SSSW06/HandsOn.ppt
- Hands on software: http://kmi.open.ac.uk/projects/dip/resources/SSSW06/SSSW06.zip

7 THE TWENTY-FIRST NATIONAL CONFERENCE ON ARTIFICIAL INTELLIGENCE (AAAI06, BOSTON, MASSACHUSETTS) - 16–20 JULY 2006

Further information about the hosting event can be found in its web page at http://www.aaai.org/Conferences/AAAI/aaai06.php.

7.1 Resources
- Hands on package: http://kmi.open.ac.uk/projects/dip/resources/AAAI06/AAAI06.zip

8 1ST ASIAN SEMANTIC WEB CONFERENCE (ASWC2006, BEIJING, CHINA) - 3-7 SEPTEMBER 2006

Further information about the hosting event can be found in its web page at http://www.aswc2006.org/.

8.1 Resources
- PowerPoint document: http://kmi.open.ac.uk/projects/dip/resources/ASWC06/aswc06-tutorial.ppt
Hands on software:
http://kmi.open.ac.uk/projects/dip/resources/ASWC06/ASWC06-IRS-hands-on.zip