

ECP 2007 EDU 417008

ASPECT

Report on ASPECT Workshops, Plugfests and Conferences N2 & 3

Deliverable number	<i>D4.4.2</i>
Dissemination level	<i>Public</i>
Delivery date	<i>March 2011</i>
Status	<i>Final</i>
Author(s)	<i>Roberto Perez-Rodriguez (VIGO), Luis Anido-Rifon (VIGO), Jim Ayre (EUN), Elena Shulman (EUN), Kati Clements (JYU)</i>
Internal reviewer(s)	<i>David Massart (EUN)</i>



eContentplus

This project is funded under the *eContentplus* programme¹,
a multiannual Community programme to make digital content in Europe more accessible, usable and exploitable.

¹ OJ L 79, 24.3.2005, p. 1.

Summary

This second report on ASPECT Workshops, Plugfests and Conferences lists and describes dissemination events that took place in the second 15 months of the project.

The approach that we followed to report these events was driven by the project evaluation methodology, which differentiates between *technical events* and *general dissemination events*. The impact of both types of events surpassed the original expectations of the *Description of Work* with the project witnessing 265 individuals taking part in technical events and 925 in general ASPECT dissemination activities.

Particularly worth noting is the success of the series of webinars organized during the second half of the project. These online events proved to be a cost-effective way to reach a wide audience both across Europe and internationally. The impact of ASPECT within the Learning Technology community in Europe is also reflected by the successful event organized at the end of the project: the *Strategic Seminar on Educational Publishing Futures*. With more than 150 participants, it brought together high-profile speakers and the main stakeholders in the content value chain, including Ministries of Education, Publishers and Technology providers. The seminar evaluation demonstrates that delegates were very satisfied by the event and are keen to be further involved in these kinds of activities.

Outcomes from ASPECT have been disseminated through technical publications as well. These include journal and conference papers but also proposals for technical specifications that have already entered into the standardization process both at the European level, with two CEN Workshop Agreements and two European Norms, and internationally, with one specification to be published by IMS GLC.

Online dissemination was also essential both in terms of spreading the results of ASPECT and publicizing its events. Here the Learning Technologies Standards Observatory (LTSO) played a key role. This observatory has had more than 1.6 million visits during the ASPECT lifespan and was supported by nearly 200 top international experts in the field of SSLT.

ASPECT also succeeded in the creation of an active network 197 Associate Partners who benefited from the lessons learnt and best practices generated during this 30-month Best Practice Network. Resources such as events, scientific publications, technical documents and direct access to ASPECT experts were made available to ASPECT Associate Partners thanks to the efforts of the whole project consortium.

Contents

SUMMARY.....	2
CONTENTS.....	3
1 INTRODUCTION	6
2 TECHNICAL EVENTS.....	8
2.1 INTRODUCTION.....	8
2.2 WEBINARS.....	8
2.2.1 Webinar on Common Cartridge.....	9
2.2.2 Webinar on Content Packaging	9
2.2.3 Webinar on Conformance Testing	10
2.2.4 Webinar on Teachers' use of IMS Common Cartridge.....	10
2.2.5 Webinar on IMS LODE and Resource Discovery	10
2.2.6 Webinar on Harvesting Metadata (First Edition)	11
2.2.7 Webinar on Common Cartridge and Moodle (First Edition).....	11
2.2.8 Webinar on Harvesting Metadata (Second Edition)	12
2.2.9 Webinar on Controlled Vocabularies.....	12
2.2.10 Webinar on Common Cartridge and Moodle (Second Edition).....	13
2.3 PLUGFESTS	13
2.3.1 Building Interoperability across Metadata Application Profiles	13
2.3.2 ASPECT Plugfest.....	14
3 GENERAL DISSEMINATION EVENTS	15
3.1 INTRODUCTION.....	15
3.2 WEBINARS.....	15
3.2.1 Webinar on Benefits of Learning Technology Standards (A Publishers' Perspective)	16
3.2.2 Webinar on Benefits of Learning Technology Standards (A Users' Perspective).....	16
3.3 NATIONAL WORKSHOPS	17
3.3.1 GLIS Dissemination Workshop	17
3.3.2 Belgian National Workshop	18
3.3.3 First Portuguese National Workshop.....	18
3.3.4 Lithuanian National Workshop	19
3.3.5 Romanian National Workshop.....	20
3.3.6 GLIS Dissemination Event for High School Teachers.....	20
3.3.7 Making Learning Standards Work for You	21
3.3.8 SIVCO Local Dissemination Workshop.....	21
3.3.9 Standardised Content for Learning Management Systems	22

3.3.10	<i>French National Workshop</i>	22
3.3.11	<i>Standards for Digital Learning Resources</i>	23
3.3.12	<i>Second Portuguese National Workshop</i>	23
3.4	INTERNATIONAL WORKSHOPS	24
3.4.1	<i>Content Packaging and Content Use</i>	24
3.4.2	<i>ASPECT 2010 Summer School</i>	25
3.4.3	<i>VBE Dissemination Event</i>	25
3.4.4	<i>Strategic Seminar on Educational Publishing Futures</i>	26
3.5	CONFERENCES	27
3.5.1	<i>ASPECT at BETT 2010</i>	27
3.5.2	<i>ASPECT at Colos Summer School</i>	27
3.5.3	<i>ASPECT at SE@M 2010</i>	28
3.5.4	<i>ASPECT at EdReNe 2010</i>	29
3.5.5	<i>ASPECT at the Frankfurt Book Fair</i>	29
3.5.6	<i>ASPECT at EMINENT 2010</i>	30
3.5.7	<i>ASPECT at EDUSOL 2010</i>	30
3.5.8	<i>ASPECT at EDUCATICE 2010</i>	31
3.5.9	<i>ASPECT at Sulinetwork 2010</i>	31
3.5.10	<i>ASPECT at BETT 2011</i>	32
3.5.11	<i>ASPECT at EDUCATIO 2011</i>	32
3.5.12	<i>ASPECT at Portuguese as a Foreign Language</i>	32
4	LTSO AND LTSOPLUS	34
4.1	THE LEARNING TECHNOLOGIES STANDARDS OBSERVATORY	34
4.2	IMPROVEMENTS IN THE LTSO	35
4.3	STATISTICAL DATA	36
4.4	AN OVERVIEW OF THE NEW USER INTERFACE	36
4.5	THE LTSO IN THE INTERNET	38
4.5.1	<i>Search queries</i>	40
4.5.2	<i>Links to the observatory</i>	41
4.6	THE LTSOPLUS	44
5	OTHER DISSEMINATION ACTIVITIES	48
5.1	ARTICLES IN CONFERENCES	48
5.2	ARTICLES IN JOURNALS	49
5.3	OTHER PUBLICATIONS	50
5.4	EDITION OF PUBLICATIONS	50
6	CONCLUSIONS	52
7	ANNEXES	54
7.1	TECHNICAL EVENTS	54

7.1.1	<i>Webinars</i>	54
7.1.2	<i>Plugfests</i>	77
7.2	GENERAL DISSEMINATION EVENTS	85
7.2.1	<i>Webinars</i>	85
7.2.2	<i>National Workshops</i>	93
7.2.3	<i>International Workshops</i>	116
7.2.4	<i>Conferences</i>	127
7.3	REPORT OF LTSO NEWS	180
7.4	REPORT OF LTSO EVENTS	194
7.5	CALL FOR PAPERS	208
7.5.1	<i>IEEE RITA</i>	208
7.5.2	<i>IEEE Learning Technology Newsletter</i>	210

1 Introduction

The dissemination of the ASPECT project aimed at reaching a wide audience composed of all stakeholders interested in the adoption of learning technology standards and specifications: content publishers, content providers, policy makers, standardisation bodies, educational institutions, final users, etc. In this report we detail the actions undertaken in the last 15 months of the project.

Dissemination actions aimed to engage stakeholders and motivate them to become active participants in project dissemination events such as workshops, online seminars (webinars), plugfests, etc. The main instruments for dissemination are identified in the Dissemination Plan & Communication Handbook (D4.1), and they include:

1. Online dissemination instruments – This category includes informal dissemination through web 2.0 channels, and formal dissemination through the LTSO.
2. Events – This includes workshops, plugfests and external conferences.
3. Documents – This includes deliverables, conference papers, brochures etc

This document covers points 1 and 2, that is, the online dissemination by means of web 2.0 tools, mainly the LTSOplus website, and the more formal dissemination in the LTSO, as well as ASPECT dissemination events such as workshops, plugfests, and ASPECT events that were part of external conferences.

The ASPECT dissemination strategy included different types of events. A number of open workshops were organised in conjunction with project meetings. The organisation of such workshops provided a natural opportunity to engage with the community at the different stages of the project in order to collect requirements and exploit ASPECT outcomes. We also organised plugfests, which promoted the adoption of standards and conformance testing. They were planned either as independent events or as integrated activities within external events. Regional workshops were organised and held in national languages, and run at, or in tandem with, major European learning technology events such as Educative (Paris), Online Educa (Berlin), etc. ASPECT attended these events to disseminate outcomes and recruit new members to the BPN. The idea behind participation in national/regional events was to reach a wider target group of SME educational content developers and teacher-developers for whom the cost of travelling to international workshops and plugfests might have been a hindrance.

In response to the current economic situation where travel budgets are under pressure, ASPECT set up a number of online seminars (or webinars). As can be seen from the participation data (a total of 872 registrations), these proved to be very valuable, cost-effective dissemination mechanisms as they allowed the project to reach a global audience. ASPECT developed an online application to manage these registrations and, due to their popularity, the webinars on Harvesting Metadata and on Common Cartridge and Moodle were repeated.

In September 2010 during the full project meeting in Ljubljana, ASPECT took the decision that VIGO would take over the leadership of WP4 following the bankruptcy of ElfEL, the previous WP leader. In the final stage of the project, a more proactive and concerted dissemination strategy succeeded in a significant increase in the number of delegates at events and the number of organisations enrolling as new ASPECT Associate Partners. In addition, a

new format for reporting on events was adopted. At the end of this document we add the reports that have been made in the last six months of the project.

The ASPECT dissemination strategy was subject to monitoring and evaluation by WP7 as part of an ongoing quality control process. The aim here was to assess the impact of the project on targeted stakeholders in order to determine future sustainability. The performance monitoring of dissemination was also to ensure that the project achieved the goals defined in the dissemination plan. The success indicators mentioned in the project DoW that are relevant here are:

- Success indicator nr 5: Number of participants at ASPECT technical events, codebashes and plugfests.
- Success indicator nr 6: Number of participants at workshops and conferences.

In order to facilitate the evaluation of the ASPECT dissemination, this document is structured to reflect the involved success indicators: section 2 provides an exhaustive report of ASPECT technical events; section 3 reports on general dissemination events; section 4 reports on the results of online dissemination through the LTSO and LTSoPlus channels; section 5 covers the dissemination of ASPECT research in articles at conferences and journals; finally, section 5 outlines some conclusions.

2 Technical Events

2.1 Introduction

Technical events were meant to provide training to stakeholders with some technical background. They dealt with a number of topics: learning technology standards, ASPECT infrastructure and tools, etc.

When designing the dissemination strategy, ASPECT determined that what stakeholders in the Learning Technology community most required was practical ‘hands-on’ training rather than pure theoretical knowledge; thus *active* involvement and feedback from attendees in all project events was encouraged and welcomed.

For ASPECT, as a Best Practice Network, it was very important to involve all stakeholders in the learning process. The dissemination work package contributed to this aim by establishing a dissemination strategy that helped to develop the practical skills and expertise in Learning Technology standards and specifications among all stakeholders across Europe. ASPECT dissemination events facilitated knowledge transfer between leading experts in learning technology and stakeholders such as educational institutions, content providers, and content developers. Hence, participants in these dissemination events could return to their institutions with the needed practical skills to put in practice new projects involving Learning Technology standards and specifications.

The targeted audience for technical events was:

- Tool developers – People working in enterprises that develop e-learning tools.
- Content developers – This group is composed both of teachers and professional content developers.

The technical dissemination strategy included two types of events:

- Webinars – WP4 organised ten webinars covering different technical topics on Learning Technology standards and specifications.
- Plugfests – Two plugfests were organised with ASPECT funding.

In this section, we provide an overview of technical events that took place since month 15 of the project, including information on their locations, ASPECT partners involved in their organisation, and realization dates. In order to facilitate the evaluation of ASPECT dissemination activities by WP7, which is based on a series of numeric success indicators, we add a table showing participation data at the end of each subsection. By month 15, the total number of technical workshop participants was 42; therefore the accumulated number of participants starts at that number.

2.2 Webinars

Online seminars are one of the most effective ways of holding meetings nowadays. They avoid the need to travel and therefore save time and money. A webinar is a meeting that is conducted in a similar way to a face-to-face seminar, where someone presents something, but the method of communication is based on telematic services.

ASPECT offered a series of free webinars (online seminars) on different topics related to the adoption of Learning Technology standards by publishers, content/tools' developers, policy makers and educational institutions.

Each webinar normally consisted of a one-hour presentation and half an hour devoted to questions and discussion. Webinars were delivered using Elluminate, Flashmeeting, and Wimba Virtual Classroom. The Wimba Virtual Classroom system was provided by Koblenz (KOB), whose staff gave WP4 excellent technical support. Those attending webinars were required to pre-register.

2.2.1 Webinar on Common Cartridge

The Webinar on Common Cartridge was held on 25th May 2010. It was delivered using the Elluminate platform. The ASPECT partner involved in this event was ICODEON.

This webinar introduced the IMS Common Cartridge specification and explained the benefits of using it to the participants. This webinar consisted of an ICODEON's lecture on the Common Cartridge specification, and a video describing the Common Cartridge's possibilities and illustrating the practical task of transporting Common Cartridge packages from the ICODEON Common Cartridge platform to different Web 2.0 tools such as blogs, social networks, or Learning Management Systems. Additional information on Common Cartridge to the audience of this webinar was provided at ICODEON's Common Cartridge blog².

The target audience included technical staff from content providers interested in the benefits of Common Cartridge.

Date	Number of Participants	Accumulated Number of Participants
25 th May 2010	8	50

2.2.2 Webinar on Content Packaging

The Webinar on Content Packaging took place on 8th June 2010. The ASPECT partners involved in this event were UNI-C and JYU.

This webinar focused on creating sample Common Cartridge packages with a Common Cartridge builder tool. These packages were tested with a Common Cartridge conformance tool and they were afterwards deployed into the ICODEON Common Cartridge platform to be run on. This was illustrated by means of a streamed video that showed the different stages of this process.

The target audience consisted mainly of content providers who were interested in learning how to produce Common Cartridge packages.

Date	Number of Participants	Accumulated Number of Participants
8 th June 2010	5	55

² <http://ccplatform.blogspot.com/>

2.2.3 Webinar on Conformance Testing

The Webinar on Conformance Testing was held on 22nd June 2010. The ASPECT partner involved in this event was KOB.

This webinar was aimed at introducing standards, and explaining how standards are helpful to support interoperability by enabling a smooth exchange (write once, run everywhere), and a better integration into Learning Management Systems: using navigation, disaggregating and aggregating content, personalising content, and providing interaction.

This webinar explained the basic concepts of application profiling and conformance testing, as well as their benefits for the interoperability of educational technology. A number of conformance testing tools were also demonstrated.

The target audience consisted of:

- eLearning users, who want to keep their data usable, and that want the freedom to change their LMS without losing their valuable content.
- Content authors, who want to reach a broad audience, and want to be sure that their content is not lost.
- Content providers, who want to extend their market and cannot test the various systems of their customers.

Date	Number of Participants	Accumulated Number of Participants
22 nd June 2010	4	59

2.2.4 Webinar on Teachers' use of IMS Common Cartridge

The Webinar on Teachers' use of IMS Common Cartridge was co-organised by ASPECT and IMS GLC. It was held on 13th July 2010. The ASPECT partners involved in this event were EUN and JYU.

The purpose of this webinar was to disseminate the ways that teachers can work with IMS Common Cartridge packages. The webinar included a demonstration of finding a Common Cartridge package from the LRE platform, transporting it to Moodle Learning Management System, and then running/altering it there. This webinar also gave insight about the benefits of using IMS Common Cartridge packages based on the results from ASPECT testing with teachers in May 2010. A general presentation of the ASPECT project was also given.

The audience consisted of Technology Enhanced Learning professionals and standardization experts from around the world, including USA and Asia.

Date	Number of Participants	Accumulated Number of Participants
13 th July 2010	22	81

2.2.5 Webinar on IMS LODE and Resource Discovery

The Webinar on IMS LODE and Resource Discovery was co-organised by ASPECT and IMS GLC. It was held on 21st September 2010. The ASPECT partner involved in this event was EUN.

David Massart and Elena Shulman, both of EUN presented the Learning Object Discovery & Exchange (LODE) specification mainly produced as a result of the ASPECT BPN work. LODE aims to facilitate the discovery and retrieval of learning objects stored across more than one collection. IMS LODE can be seen as a glue specification that profiles existing general-purpose protocols in order to take into account requirements specific to the educational domain, rather than creating new protocols. LODE consists of three data models: Registry Data Model, the Information for Learning Object Exchange Data Model (ILOX) and the LODE Search Data Model. The presentation included: a description of the three conceptual models; the processes for profiling each of the models and discussion of work in progress; the evolution of controlled vocabularies; and presentation of the profile work completed at the time. Presenters fielded several questions at the close of the presentation.

The target audience was all involved stakeholders in the learning process: content publishers, tool developers, educational institutions, etc.

Date	Number of Participants	Accumulated Number of Participants
21 st September 2010	6	87

2.2.6 Webinar on Harvesting Metadata (First Edition)

The Webinar on Harvesting Metadata was delivered using the Flashmeeting platform. It was held on 5th October 2010. The ASPECT partners involved in this event were VIGO and KUL.

The basic aim of this webinar was to provide content providers with technical expertise on how to publish their metadata using the ASPECT infrastructure and toolset.

The presentation by Dr. Joris Klerkx explained a typical harvesting workflow from content providers. Topics covered among others: the LOR Registry, OAI-PMH, the Harvester tool, and the Validator tool.

The target audience included all involved stakeholders in the learning process: content publishers, tool developers, educational institutions, etc. with a special focus on their technical departments.

Date	Number of Participants	Accumulated Number of Participants
5 ^h October 2010	47	134

In the annexes section (7.1.1.1), we provide a full report on this event.

2.2.7 Webinar on Common Cartridge and Moodle (First Edition)

The Webinar on Common Cartridge and Moodle was delivered using the Wimba Virtual Classroom platform. It was held on 19th October 2010. The ASPECT partners involved in this event were VIGO, KOB, ICODEON, and KUL.

The basic aim of this webinar was to explain some important issues related to the Common Cartridge specification and its usage in Moodle.

The presentation by Dr. Ingo Dahn and Warwick Bailey explained the basics of the Common Cartridge specification, and how this specification can be used in Moodle and in the ICODEON platform.

The target audience was all involved stakeholders in the learning process: content publishers, tool developers, educational institutions, etc.

Date	Number of Participants	Accumulated Number of Participants
19 th October 2010	50	184

In the annexes section (7.1.1.2), we provide a full report on this event.

2.2.8 Webinar on Harvesting Metadata (Second Edition)

Due to the great success of the first edition of the Harvesting Metadata webinar, WP4 organized a second webinar on this topic in order to meet the high demand.

The Second edition of the Webinar on Harvesting Metadata used the FlashMeeting platform for delivery. It took place on 27th October 2010. The ASPECT partners that were involved in this event were VIGO and KUL.

Date	Number of Participants	Accumulated Number of Participants
27 th October 2010	9	193

In the annexes section (7.1.1.3), we provide a full report on this event.

2.2.9 Webinar on Controlled Vocabularies

The Webinar on Controlled Vocabularies was delivered using the Wimba Virtual Classroom platform. It was held on 9th November 2010. ASPECT partners involved in this event were VIGO, VMG, and KOB.

This webinar aimed to provide an introduction to the ASPECT European Vocabulary Bank for Education (VBE), explaining how it provides a way of publishing and managing terms and concepts, and how it includes all the controlled lists used in metadata for the Learning Resource Exchange. This webinar also included a demonstration that provided a guided tour of the VBE and the Lexaurus Editor Software that is used to edit vocabularies.

The presentation by Mike Collett included the following topics:

- Browsing.
- Searching.
- Multilinguality.
- Mappings.
- SKOS and other formats.
- Faceted classification.
- History and versioning.

The target audience included all involved stakeholders in the learning process: content publishers, tool developers, educational institutions, etc.

Date	Number of Participants	Accumulated Number of Participants
9 ^h November 2010	25	218

In the annexes section (7.1.1.4), we provide a full report on this event.

2.2.10 Webinar on Common Cartridge and Moodle (Second Edition)

In order to provide a good level of interactivity, we had to limit the number of participants in the first edition of the Common Cartridge and Moodle webinar. As this webinar ignited a high level of interest, we decided to organise a second edition to cover the demand.

The second Webinar on Common Cartridge and Moodle used the Wimba Virtual Classroom platform for delivery. It was held on 10th November 2010. The ASPECT partners that were involved in this event were VIGO, KOB, ICODEON, and KUL.

Date	Number of Participants	Accumulated Number of Participants
10 ^h November 2010	14	232

In the annexes section (7.1.1.5), we provide a full report on this event.

2.3 Plugfests

Two plugfests were organised in order to promote the standards adopted and conformance testing tools developed in the course of the project.

2.3.1 Building Interoperability across Metadata Application Profiles

The ASPECT Best Practice Network Metadata Plugfest: “Building Interoperability across Metadata Application Profiles” was held at the offices of the European Schoolnet on 18th January 2011 in Brussels, Belgium.

This plugfest brought together technical teams to explore best practices related to the conversion of one metadata application profile to another. Twenty participants took part in a daylong event with demonstrations and discussions of tools for automating metadata crosswalks, application profiles, known interoperability issues and solutions. The event proved extremely popular and was filled to capacity. Demonstrations included the ASPECT Vocabulary Bank for Education and the ASPECT transformer service. The discussions provided valuable opportunities for participants to grasp commonalities and differences in approaches and to explore the strengths and weaknesses of available tools used for building converters and crosswalks. The presentations were made available for download on the ASPECT website.

Date	Number of Participants	Accumulated Number of Participants
18 ^h January 2011	20	252

In the annexes section (7.1.2.1), we provide a full report on this event.

2.3.2 ASPECT Plugfest

This ASPECT Plugfest was held on 26th January 2011 in Ghent, Belgium. The ASPECT partner involved in the organisation of this event was EDUC.

This plugfest was aimed at: disseminating the ASPECT project and the expertise gained by EduCentrum in connecting databases, providing an overview of educational metadata standards, and discussing about possible connections between different databases.

The target audience was composed of different stakeholders (commercial and non-profit) who offer educational content and who want to know more about what is required when they want to offer content through the Flemish portal KlasCement.

Date	Number of Participants	Accumulated Number of Participants
26 ^h January 2011	13	265

In the annexes section (7.1.2.2), we provide a full report on this event.

3 General Dissemination Events

3.1 Introduction

General dissemination events were targeted at a wider audience than technical events. They were meant to raise public awareness of the ASPECT project.

Some of the key topics in general dissemination events were:

- Research into educational standards.
- Implementation of educational standards.
- Educational content reuse.
- Interoperability among heterogeneous systems.
- Trends in educational standardisation.
- Importance of educational standards.

Given ASPECT's objectives to deal with issues surrounding the implementation of Learning Technology standards and specifications across the broad spectrum of stakeholders in Europe, as well as fostering collaboration between research and practitioner communities, the main audience for general dissemination events came from both large and small European educational institutions, both large companies and SMEs in the content development sector and ICT tools and platform developers.

The general dissemination strategy was based on four types of events:

- Webinars – we organised two online seminars covering topics related to benefits managements.
- National workshops – twelve national workshops were organised with ASPECT funding. These workshops were held in national languages with the aim of reaching a wide audience.
- International workshops – four international workshops were organised with ASPECT funding.
- Conferences – in this category we include twelve ASPECT dissemination events that were held at national and international conferences.

Below we provide an overview of the different events organised by ASPECT that are classified as general dissemination events, including some information on when they took place, their location, and ASPECT partners that were involved in their organisation. With the purpose of facilitating the evaluation of success indicators, we add a table at the end of every subsection, covering participation data. In month 15, the number of workshop and conference participants was 56; therefore the accumulated number of attendees starts from this number.

3.2 Webinars

We organized two webinars on the Benefits of Learning Technology Standards, one targeted at publishers and other one targeted at users. These webinars were conducted by Robin Wilson from RWCS. We used Wimba Virtual Classroom for delivering these webinars and had technical support from Koblenz's staff. The format of these webinars was: one hour of presentation and half an hour of questions/discussion.

3.2.1 Webinar on Benefits of Learning Technology Standards (A Publishers' Perspective)

The Webinar on Benefits of Learning Technology Standards (A Publishers' Perspective) took place on 23rd November 2010. The ASPECT partners involved in this event were VIGO, RWCS, and KOB.

This webinar aimed to help participants understand the need for Benefits' Management and how ASPECT project used Benefits' Management. It explained how business cases focused on target savings instead of expressing business benefits in a manner that can be understood and implemented. Also, in this webinar it was discussed how too much emphasis is put on deliverables or outcomes (e.g. capabilities) which on their own do not deliver specific benefits, and how usually project management does not provide mechanisms or particular structures to manage benefits realization.

The presentation by Robin Wilson covered the following topics:

- The rationale of Benefits' Management – this webinar showed that the disconnection between benefits as seen by the stakeholders and LT experts is often caused by previous benefits' modelling and approaches that did not work.
- Approaches and modelling process – a presentation described the workflow of a benefits modelling process.
- Benefits' audit – this webinar discussed how, by using a benefits' audit process, we can model benefits and dis-benefits and directly relate them to actual technology enablers.
- Findings – findings related to the ASPECT benefits' work were discussed.

The target audience included all involved stakeholders in the learning process, especially content publishers.

Date	Number of Participants	Accumulated Number of Participants
23 rd November 2010	28	84

In the annexes section (7.2.1.1), we provide a full report on this event.

3.2.2 Webinar on Benefits of Learning Technology Standards (A Users' Perspective)

The Webinar on Benefits of Learning Technology Standards (A Users' Perspective) took place on 14th December 2010. The ASPECT partners involved in this event were VIGO, RWCS, and KOB.

The contents of this webinar were focused on presenting the need for Benefits Management, especially from the point of view of users. The presentation by Robin Wilson exposed how the ASPECT project uses Benefits Management.

In order to expose these topics in a practical-oriented way, the presentation described use-cases:

- Use Case 1 – Teachers use Content Packaging
- Use Case 2 – Content providers adopt Content Packaging
- Use Case 3 – Content providers exposing metadata for harvesting
- Use Case 4 – Syndicator Monitoring Metadata Discovery & Enrichment

This webinar also explained a set of sample questions in the context of the ASPECT project that can be used to assess benefits in the auditing stage. The questionnaire was answered from the perspective of a content publisher / producer in the context of the ASPECT project in terms of current and future practice. This questionnaire was used to assess the intended benefits for content publishers / producers.

The target audience was all involved stakeholders in the learning process, especially users.

Date	Number of Participants	Accumulated Number of Participants
14 th December 2010	11	95

In the annexes section (7.2.1.2), we provide a full report on this event.

3.3 National Workshops

National workshops were organised and held in national languages. The rationale of national workshops was, on the one hand, to reach the very large population of SME educational content developers and teacher-developers for whom the cost of travelling to international workshops may be a disincentive; and, on the other hand, to train teachers in their native language. Several national workshops that were held during 2009 (Belgian National Workshop, Portuguese National Workshop, Lithuanian National Workshop, and Romanian National Workshop) are also mentioned in WP6 deliverables D6.2, D6.4, and D6.5.

3.3.1 GLIS Dissemination Workshop

The Global Information System (GLIS) Dissemination Workshop was held in Jyväskylä (Finland) on 24th February 2009. The ASPECT partner involved in this event was JYU.

This event was attended by teachers from the University of Jyväskylä, teacher trainees from the University of Jyväskylä, and teachers from schools in central Finland.

The aim of this workshop was to raise awareness of the LRE portal and introduce Open Educational Content in the field of Science for teacher and teacher trainees attending the Teacher Training Courses in the University of Jyväskylä.

During the session:

1. A presentation was given by Kati Clements about Open Educational Resources, the LRE Portal and the findings of ASPECT project.
2. A discussion was held about the topics of OER and Science in Finland and how teachers could work with colleagues in other countries.
3. This discussion was followed by conclusions and the participants filled in Reuse questionnaires.
4. Contact with potential learning activity authors was established.

The participants were very enthusiastic about the new possibilities in the area of Open Educational Science Resources. The teachers were mostly involved in cross-cultural exchange when a group of students visit their school or vice versa. They found benefits in exchanging materials at European level, the special advantages being that teachers can ‘see what’s going on in the world’ and ‘how the teaching they do in Finland relates to others’ work’. A lot of teachers found online resources to be helping them with their professional self-esteem as well,

as they could check that their work is valid and compares well with that of colleagues around Europe.

Date	Number of Participants	Accumulated Number of Participants
24 ^h February 2009	7	102

3.3.2 Belgian National Workshop

This workshop took place on 3rd October 2009 in Gent. The ASPECT partner involved in this event was EUN.

This event was aimed at:

- Providing Belgian teachers with some explanations on the use of learning technology standards and specifications in educational scenarios.
- Promoting the use of open educational resources to enhance the teaching/learning process.
- Presenting the Learning Resource Exchange (LRE) for schools.
- Gathering feedback from teachers on the usage of ASPECT's toolset.

Date	Number of Participants	Accumulated Number of Participants
3 rd October 2009	13	115

3.3.3 First Portuguese National Workshop

This workshop took place in Lisbon on 10th October 2009. ASPECT partners involved in this event were EUN and DGIDC.

This workshop aimed at:

- Providing reasons to use resources that can be found in the web to enhance lessons.
- Explaining how the Learning Resource Exchange (LRE) works.
- Gathering opinions/suggestions on the functioning of the LRE.

All teachers seemed to be very pleased to be a part of this workshop and also liked the examination and comparison of Google vs. the LRE for finding learning resources for their respective subjects and school levels. All of them said that they wanted to be a part of the team of Portuguese teachers who would test the LRE repository.

Teachers seem to expect from either Google or the LRE repository that they may be able to obtain relevant, useful, error-free learning resources for their subjects. They seemed a bit disappointed, especially in the LRE, when they realised that there were not many resources in national languages and that even the ones they could find in other languages did not fully meet their expectations.

Other reasons for some disillusionment with the LRE have more to do with technical features than with pedagogical or linguistic ones. Some of the teachers found the interface a bit “user-unfriendly”, in that they did not find their way easily, namely understanding the way search worked or even finding where you could use the LRE in your own language.

Some teachers sent us e-mails after the workshop where they emphasised several problems which they thought should be addressed in future versions of the LRE. First of all, the menu containing the various subjects could be further subdivided, so that it may be faster to find resources pertaining to a specific subject. Some teachers also complained that it was rather difficult to find exactly what was expected and this, they wrote, has to do with the way the search tools have been implemented. Other teachers mentioned that some of the resources have no thumbnails attached to them. They say that this feature helps when trying to find relevant resources. Finally, some teachers wrote that there could be an option where resources were sorted by date.

The feedback provided by teachers was put to use in the redesign of a new LRE UI. For example, now users can search for resources by subject “descriptors” from the LRE Thesaurus.

One other recurring theme was quality assurance. Teachers expected to find scientifically-robust, error-free resources in a service like the LRE and many of them expected to find professionally-created learning resources there. This raised the question of the added value of a service which is offered by an education-oriented organisation such as the European Schoolnet.

The question of creating strong communities of users and resource providers also came up during the open question session and this seemed to be at the forefront of teachers’ concerns.

To sum up, the teachers who took part in the workshop thought that, at that particular stage of the LRE development, Google was by far a much better search tool to find learning resources. However, most of them also believed that, once the LRE was fully developed and when it contained a lot more resources, it could be an actual match to Google, as in the LRE you would only find resources that had been developed specifically with students and teachers in mind.

Date	Number of Participants	Accumulated Number of Participants
10 th October 2009	11	126

3.3.4 Lithuanian National Workshop

This national meeting was held in Vilnius on 24th October 2009. The ASPECT partner involved in this event was EUN.

This event was aimed at:

- Helping teachers to understand the use of standards and specifications for learning technologies.
- Providing good reasons for using learning technologies to enhance traditional courses in schools.
- Presenting the research that has been undertaken in ASPECT.
- Providing guidance on the use of the Learning Resource Exchange (LRE) for Schools.

Date	Number of Participants	Accumulated Number of Participants

24 th October 2009	11	137
-------------------------------	----	-----

3.3.5 Romanian National Workshop

This national workshop took place on 31st October 2009 in Bucharest. The ASPECT partner involved in this event was SIVECO.

The workshop was organized for teachers of different levels (primary, secondary, high school and college) and it had two major areas of interest:

1. To find out from where and how the teachers select their digital resources.
2. To present the LRE in order to introduce a new concept that of the *educational resources portal*.

Prior to the workshop the teachers had not received any information about the LRE so, practically, this was the first time they were invited to search materials on the portal and prepare a scenario based on the found resources.

The results were different depending on each teacher degree of digital literacy degree but also on the quantity of materials they found on their chosen subject.

Some conclusions were reported but generally it was more an acquaintance with the portal and its functionalities and the conclusions were used as a feedback for the portal's problems.

At this stage teachers' attitude and availability for the new portal were rather inconclusive.

But generally the teachers were interested by the portal because it restrains the quantity of objects found at a search and for the educational attribute of the content uploaded.

Date	Number of Participants	Accumulated Number of Participants
31 st October 2009	10	147

3.3.6 GLIS Dissemination Event for High School Teachers

This dissemination event for high school teachers took place in Jyväskylä (Finland) on 22nd February 2010. The ASPECT partner involved in this event was JYU.

The objectives of this activity were:

- Awareness raising, network building, user involvement, and motivation.
- Presenting open educational resources in central Finland via repositories and browsing the LRE portal.

This workshop was organised by Kati Clements, and 18 high school teachers attended it. It lasted two hours.

Date	Number of Participants	Accumulated Number of Participants
22 nd February 2010	18	165

3.3.7 Making Learning Standards Work for You

This workshop was held in Lisbon on 8th March 2010. ASPECT partners from WP3, WP6, and WP7 were involved in this event.

Standards and specifications for educational content can be difficult to understand and even harder to apply effectively, especially in a world where user-generated content and Web 2.0 tools are currently exploding. This workshop was aimed to help participants to:

- Understand how existing and emerging standards and specifications can best be applied to content aimed at schools
- Learn how standards can add value to users own content
- Hear how teachers respond to content standards such as SCORM and IMS Common Cartridge

A key part of the Lisbon workshop was focused on how ASPECT teachers understood and were able to work with different content packaging standards. The workshop agenda included:

- A session entitled: Learning Technology standards: a state of the art review. Warwick Bailey from Icodeon conducted this session. An introduction was provided to learning technology standards (why do we need them, benefits, etc.), as well as a review of the state of the art (CC, SCORM, metadata, vocabularies, etc.) and the future of standards.
- The second session was entitled: How do we use standards? It was a panel discussion with Portuguese stakeholders representing key sectors. The participants in this discussion were: Prof. José Luís Ramos, from the University of Évora; Teresa Campos, from the Institute for Museums and Conservation; and Rui Pacheco, from Porto Editora.
- The last session was entitled: Demonstration of the Learning Resources Exchange (LRE) Service Centre, how does it work? From creation of content to delivery. Lars Ingelman, from UNI-C; and David Massart, from European Schoolnet conducted this session.

Date	Number of Participants	Accumulated Number of Participants
8 th March 2010	30	195

3.3.8 SIVECO Local Dissemination Workshop

This event took place in Romania on 28th January 2011. The ASPECT partner involved in this event was SIVECO.

This seminar was organised to disseminate the project results and was focused on introducing the LRE to the representatives of different educational organisations that act in the educational field.

The workshop agenda included a series of presentations:

- Delia Oprea (SIVECO) – ASPECT: Research and Dissemination.
- Gina Vasile (pilot teacher) – LRE: personal overview.
- Corina Dobrescu (pilot teacher) – LRE: personal overview.
- Jeanina Cirstoiu (pilot teacher) – LRE: personal overview.
- Mariana Mustata (pilot teacher) – LRE: personal overview.
- Alexandra Craciunoiu, Andreaa Neagu (SIVECO) – LRE and ASPECT.
- Florin Burcea, Delia Oprea (SIVECO) – Standards in ASPECT.

- Radu Jugureanu (SIVCO) – Research in a new Millennium.
- Monica Florea (SIVCO) – Partnership for Research.

The afternoon section was dedicated to questions, feedback, clarifications, and discussions. This seminar gave the participants the opportunity to discover a range of problems related to using educational resources. Participants got familiarized with interoperability issues and showed interest in knowing more about the research carried out by the different ASPECT working packages. Teachers were particularly interested in the LRE.

Date	Number of Participants	Accumulated Number of Participants
28 th January 2011	43	238

In the annexes section (7.2.2.1), we provide a full report on this event.

3.3.9 Standardised Content for Learning Management Systems

This event was held on 26th-27th January 2011 in Grünward (Germany). The ASPECT partners involved in this event were FWU, KOB, and UNI-C.

This event was aimed at: presenting and promoting the ASPECT project in order to make the results well known to the participants from all the states in Germany; and discussing with the group the possibilities to set and maintain standards concerning metadata and content packaging in education throughout Germany. The group will work together to fulfil that target.

The participants mainly came from media centers or educational institutions, were experts in the field of repositories, metadata, and e-learning, and were involved in applying educational standards in those fields in the German “states” they came from.

Date	Number of Participants	Accumulated Number of Participants
26 th - 27 th January 2011	13	251

In the annexes section (7.2.2.2), we provide a full report on this event.

3.3.10 French National Workshop

This French National Workshop was held on 10th February 2011 in Paris (France). The ASPECT partners involved in this event were CNDP, VMG, and EUN.

The CNDP and the Ministry of Education (DGESCO – Direction Générale de l’Enseignement Scolaire) organised this workshop to present the work done within the ASPECT project and to exchange on the implementation of the ScoLOMFR application profile in France, that is recommended for describing school level content.

This work explained that: many educational resources are available in the institutions but they are not always visible because they are not well referenced; educational technologies standards can help the different stakeholders to provide to resources and help teachers and learner to discover and use educational content. Interoperability issues were also highlighted.

The target audience was composed of personnel in charge of the regional ICT development, project managers, developers, and any personnel interested in the description of digital educational resources.

Date	Number of Participants	Accumulated Number of Participants
10 th February 2011	44	295

In the annexes section (7.2.2.3), we provide a full report on this event.

3.3.11 Standards for Digital Learning Resources

Two workshops were held on 21st – 22nd February 2011 in Vermundsgade, Copenhagen. UNI-C was the ASPECT partner that organised them.

Lars Ingesman, from UNI-C conducted this workshop. He delivered a presentation entitled: Standards for Digital Learning Resources, Experiences and Knowledge from the ASPECT project.

The targeted audience included: publishers and content producers registered on Materialeplatformen, the Danish national repository for learning resources; and the user group of the Danish national repository for learning resources.

Date	Number of Participants	Accumulated Number of Participants
21 st –22 nd February 2011	44	339

In the annexes section (7.2.2.4), we provide a full report on this event.

3.3.12 Second Portuguese National Workshop

This workshop was held on 28th February 2011 in Portugal. The ASPECT partners involved in this event were DGIDC and EUN.

The main objective of this workshop was to disseminate the results of the workshops undertaken by WP6 and to present the Scientix project to Portuguese teachers. The expected outcomes of this event were:

- To create awareness on the ASPECT project.
- To discuss standards and specifications and the role they play in teachers' practice.
- To make Scientix, the community for Science Education in Europe, more widely known.
- To expose the Portuguese participation in Scientix.

The program of the event included the following sessions:

- What European teachers think of standards and specifications for educational content. Some results of the ASPECT project – Agueda Gras-Velazquez, European Schoolnet.
- Roundtable with Portuguese teachers who took part in the workshops for the evaluation of standards and specifications for educational content – Fernando Rui Campos, Helder Cacito, Miguela Fernandes, Rui Lima.
- Scientix: the community for Science Education in Europe – Agueda Gras-Velazquez, European Schoolnet.

- Scientix: the Portuguese experience – Carlos Cunha, Escola Secundária Dom Manuel Martins, Setúbal.

Date	Number of Participants	Accumulated Number of Participants
28 th February 2011	16	355

In the annexes section (7.2.2.5), we provide a full report on this event.

3.4 International Workshops

ASPECT international workshops were designed to acquaint stakeholders with different standards and specifications, provide demonstrations, and highlight best practice to facilitate implementation of the standards. The organisation of such workshops provided a natural opportunity to engage with the wider community at the different stages of the project in order to collect requirements and exploit the ASPECT outcomes.

In retrospect, ASPECT workshops played a very important role in:

- Providing a forum for the different stakeholders to understand and to consider other stakeholders' ideas and points of view.
- Enhancing the ASPECT understanding of the needs of particular stakeholders, and of what they were demanding from Learning Technology standards and specifications.
- Increasing the public awareness of the ASPECT project.

3.4.1 Content Packaging and Content Use

This workshop was held in Arhus (DK) on 16th November 2009. The ASPECT partner involved in this event was UNI-C.

The overall aim of the workshop was to contribute to summary guidelines on the appropriate use of the various content packaging standards. This workshop was aimed at helping participants to:

- Understand how standards for content packaging can be used effectively to create units of learning.
- Create content packages.
- Use previously created content packages.

This workshop was targeted at teachers both with technical backgrounds and without technical backgrounds but who were interested in pedagogy. The workshop exposed the differences between SCORM and Common Cartridge. It was demonstrated how SCORM is particularly well adapted to self-paced, training or learning situations where a single learner works independently with no intervention from an instructor. In Europe, SCORM has been well adopted in training military personnel and to a large extent by commercial publishers, also specially for training purposes. However, the adoption in the school sector is limited. Cited barriers include the limited pedagogical models (primarily instructional design) that SCORM supports, as well as the steep learning curve demanded if one wishes to repurpose a SCO, a situation that occurs much more frequently in the school sector. The more recent Common Cartridge specification, however, lends itself more to blended learning situations where traditional teaching is combined with web-based e-learning.

Date	Number of Participants	Accumulated Number of Participants
16 th November 2009	16	371

3.4.2 ASPECT 2010 Summer School

This workshop was held in Lisbon on 8th May 2010. ASPECT partners involved in this event were DGIDC, EUN, and JYU.

Teachers from Portugal, Romania, Lithuania and Belgium came together to discuss and learn about content packaging, integration of resources into learning platforms and use of learning resource repositories. The aim of this Summer School was particularly to explore how learning content standards (such as SCORM and Common Cartridge) can be exploited by teachers and how different types of “content packaging” can add value to the learning experience.

This workshop concentrated on the integration of resources into learning platforms (VLE) and content packaging. Here teachers were initially asked to create a normal lesson plan using the Moodle learning platform in a “traditional” way by combining different resources. Then they were asked to repeat the same task using resources that had been “packaged” by ASPECT content developers using both the SCORM and Common Cartridge standards. Finally, teachers had also to think about the use of digital credits to buy or access digital online resources.

The participating teachers, 11-13 from each country, were selected by national teacher coordinators. Based on our initial impressions, the ICT skills of this group of teachers were, on average, higher than those of most European teachers. Probably, up to 80% of the ASPECT teachers could be considered to have advanced ICT skills. This is quite normal in a number of the projects run by European Schoolnet where we need to work with teachers who are prepared to make a significant investment in terms of their time.

Date	Number of Participants	Accumulated Number of Participants
24 th May 2010	49	420

3.4.3 VBE Dissemination Event

This dissemination event was held on 26th November 2010 in London. ASPECT partners involved in this event were VMG and JYU.

The aim of this event was to help the participants to:

- Understand the Vocabulary Bank for Education (VBE).
- Learn how to use the Lexaurus Editor Software to edit vocabularies.

This event included presentations given by:

- Neil Smith – Director, Vocabulary Management Group.
- Rob Tice – Technical Architect for Lexaurus and Director, Vocabulary Management Group.
- Mike Collett – Director, Vocabulary Management Group.

- Kati Clements – University of Jyväskylä.
- Jos van der Arend – Kennisnet.

The target audience included stakeholders interested in the following issues:

- Using metadata in learning objects.
- How learning objects can be aggregated in repositories.
- The use of standards in metadata and learning object aggregation.

Date	Number of Participants	Accumulated Number of Participants
26 th November 2010	16	436

In the annexes section (7.2.3.1), we provide a full report on this event.

3.4.4 Strategic Seminar on Educational Publishing Futures

This seminar was held on 17th – 18th February 2011 in Brussels (Belgium). All ASPECT partners were involved in this event which was the largest single dissemination event during the project.

Over two days, this strategic seminar provided a platform where Ministries of Education, publishers, and ICT vendors could discuss the future of educational publishing and digital content for schools.

Among others, the following issues were discussed:

- How professionally developed learning materials for schools and open educational resources can coexist.
- How the market for eTextbooks and educational apps in schools is developing now that tablet, smartphone, and other mobile devices are becoming mainstream.
- How ministries are supporting the Interactive Whiteboard common file format in response to the growing demand for interoperable IWB resources.
- How stakeholders have applied the new IMS Common Cartridge specification to K-12 content and tested these resources with teachers.
- How tools and services from the ASPECT project enable content developers to improve the metadata of their resources and make their content more easily discoverable.
- How publishers and content developers can participate in the European Schoolnet Learning Resource Exchange for Schools.

The target audience was composed of all interested stakeholders: content publishers, Ministries of Education, educational institutions, standardisation bodies, teachers, etc. Over 150 people attended this seminar. The positive feedback received from the attendees demonstrate that this seminar provided a strategic platform for stakeholders to interact and discuss key issues related to how standards and specifications can impact on the future of educational publishing in Europe.

Date	Number of Participants	Accumulated Number of Participants
17 th -18 th February 2011	159	595

In the annexes section (7.2.3.2), we provide a full report of this event.

3.5 Conferences

ASPECT organised co-located events in a number of key conferences. Dedicated ASPECT dissemination materials were delivered to the participants. This section presents an overview of these events.

3.5.1 ASPECT at BETT 2010

The ASPECT Best Practice Network organised a workshop during the BETT Show in London on 13th January 2010 to explore the benefits of Learning Technology standards for discovering, creating, packaging, sharing and using educational content.

This event was targeted at publishers, educational tools' providers and learning professionals creating their own resources. This workshop aimed at providing them with an understanding of some of the key technology standards that may facilitate and improve work.

This workshop was structured into the following sessions:

- Learning technology standards: a state of the art review by David Massart, Lars Ingesman, UNI-C, EUN and ASPECT partners.
- How do we use standards? Testimonies from three key stakeholders: Theo Lynn, from Cambridge University Press; Ross McKenzie, from the Open University UK; and Agueda Gras-Velazquez, from European Schoolnet.
- Publishers' panel discussion. This session was conducted by Theo Lynn, from Cambridge University Press; and Karolina Leoniak, from Young Digital Planet.

Date	Number of Participants	Accumulated Number of Participants
13 th January 2010	7	602

3.5.2 ASPECT at Colos Summer School

The Colos Summer School took place in Ljubljana on 28-30th June 2010. Two ASPECT partners participated as presenters: Agueda Gras Velazquez from EUN and Warwick Bailey from Icodeon.

The CoLoS Summer School is an annual event that usually takes place in the beginning of July, at the end of the school year. It is organized by the University of Ljubljana, Faculty of Computer and Information Science in close cooperation with the Slovenian Ministry of Education. The event is intended for school teachers (mostly secondary school, but teachers from primary schools also attend), counsellors of The National Education Institute, multipliers from the Slovenian Education Network, and everyone else interested in the use of ICT in education. The main goal of the CoLoS Summer School is to introduce new trends, tools, practices, and current topics in the use of computers and information technologies in education.

Summer School CoLoS 2010³ was a three-day event, where the entire first day, entitled Standards and Specifications for educational technologies, was dedicated to the ASPECT project. In the morning, there were five lectures, covering the use of packaging standards for electronic educational material, introducing IMS Common Cartridge, and presenting the

³ http://colos.fri.uni-lj.si/SUMMER_SCHOOL_2010/

results of the ASPECT Summer School. All main presenters were ASPECT partners: Warwick Bailey from Icodeon, Agueda Gras Velazquez from EUN, and Jernej Južna and Alenka Kavčič from UL. In the afternoon, a hands-on workshop followed, where the participants used the tools for creating SCORM and IMS CC packages in practice. The program in Slovenian can be found on the Web⁴.

There were 58 participants registered for the CoLoS Summer School (all three days together), 23 of them registered to attend the first day (the “ASPECT day”).

On the first day, there were 22 participants at the venue (at UL FRI in Ljubljana), while the rest were “virtual attendants” as all morning sessions were also recorded and broadcasted live on the Web.

All videos/webcasts are available online; they can be accessed from the links “Posnetek predavanja” in the program.

Date	Number of Participants	Accumulated Number of Participants
28-30 th June 2010	22	624

3.5.3 ASPECT at SE@M 2010

The Fourth International Workshop on Search and Exchange of e-le@rning Materials (SE@M'10) was held from 27th September 2010 to 28th September 2010 in Barcelona, Spain. The ASPECT partners involved in this event were EUN and VIGO.

Over the last fifteen years, considerable effort has been spent on the development of standards and specifications in order to improve the interoperability of e-learning systems, repositories, and content. These efforts have led to significant improvements in the arena of technical interoperability and enabled the emergence and expansion of successful federations and alliances of learning object repositories such as the LRE, GLOBE, etc. Building blocks for this success have been the creation, evolution and adoption of standards such as the IEEE Learning Object Metadata (LOM), the Open Archives Initiative Protocol for Metadata Harvesting (OAI-PMH), and the Simple Query Interface (SQI). More recent developments in this field include the definition of a Simple Publishing Interface (SPI) and the ongoing work within the IMS Global Learning Consortium on the Learning Object Discovery & Exchange (LODE) specification to facilitate the discovery and retrieval of learning objects stored across more than one collection. The development of best practices (for example by projects like ASPECT and ICOPER), enabling more efficient use of these standards and specifications, has also proven instrumental in the successes of current learning content retrieval infrastructures.

To further developments in this field, the main goal of this international workshop was to offer a forum where researchers and practitioners could discuss theoretical aspects, open issues, and innovative approaches and share the latest advances in the state of the art and practices for exchanging and describing learning content.

⁴ http://colos.fri.uni-lj.si/SUMMER_SCHOOL_2010/program.html

The SE@M workshop was followed by a public meeting of the CEN/ISSS WSLT project team working on Social Data.

Date	Number of Participants	Accumulated Number of Participants
27 ^h September 2010 – 28 th September 2010	37	661

In the annexes section (7.2.4.1), we provide a full report on this event.

3.5.4 ASPECT at EdReNe 2010

An ASPECT Special Session was include as part of the EdReNe (Thematic Network of educational content repositories), which took place from 6th October 2010 to 7th October 2010 in Copenhagen. ASPECT partners involved in this event were JYU, DGIDC, INDIRE, CNDP, and EDUC.

This seminar presented and discussed EdReNe's recommendations and experiences on repository strategies, the engagement of users and producers, relevant standards to ensure interoperability, and handling of intellectual property rights.

The following topics were covered:

- New French initiatives and curriculum linking.
- ASPECT: teacher's experiences with Common Cartridge.
- Lithuanian ASPECT content.
- Federated searches from multiple repositories into Scoilnet.
- Status and plans in Portugal.
- Updating the current status of European educational repositories.

The special session included the participation of Rosa Maria Gomez de Regil, from CNDP; Kati Clements, from JYU; Asta Buineviciute, from ITC; Jose Moura Carvalho, from DGIDC; and Silvia Panzavolta, from INDIRE.

The target audience were members of the EdReNe thematic network and interested stakeholders.

Date	Number of Participants	Accumulated Number of Participants
6 ^h October 2010 – 7 th October 2010	42	703

In the annexes section (7.2.4.2), we provide a full report on this event.

3.5.5 ASPECT at the Frankfurt Book Fair

This ASPECT briefing at the Frankfurt Book Fair was entitled: Making Learning Content Standards Work for You! It took place in Frankfurt on 7th October 2010. The ASPECT partners involved in this event were YDP, CUP, UNI-C, and EUN.

The aim of this event was to introduce new partners to the ASPECT project and let them understand:

- How ASPECT content partners such as Young Digital Planet are developing best practice approaches to implementing content standards such as SCORM and the new IMS Common Cartridge specification.
- How 40 teachers have responded to using resources that have been ‘packaged’ by ASPECT content developers using both SCORM and Common Cartridge standards.
- How publishers and content developers can benefit from ASPECT tools and support services that include: a Vocabulary Bank for Education; Application Profile Registry; automatic translation service for LOM and content packaging formats; compliance testing; metadata transformer services; access to standard’s experts.
- How people can participate in ASPECT workshops and plugfests.

Date	Number of Participants	Accumulated Number of Participants
7 th October 2010	9	712

In the annexes section (7.2.4.3), we provide a full report on this event.

3.5.6 ASPECT at EMINENT 2010

This ASPECT workshop took place in the context of EMINENT 2010 on 8th November 2010 in Copenhagen. ASPECT partners involved in this event were: EUN and UNI-C.

The aim of this event was to help participants to:

- Understand how existing standards and specifications can be applied to learning objects.
- Learn how to use ASPECT infrastructure and toolset, including the Learning Resource Exchange.

The speakers were Dr. David Massart, Dr. Agueda Gras-Velazquez, and Jim Ayre from the European Schoolnet; Lars Ingeman from UNI-C; and Dini Golder from JES & CO.

The target audience was all interested stakeholders in the following issues:

- Using metadata in learning objects.
- How learning objects can be aggregated in repositories.
- The use of standards in metadata and learning object aggregation.

Date	Number of Participants	Accumulated Number of Participants
8 th November 2010	50	762

In the annexes section (7.2.4.4), we provide a full report on this event.

3.5.7 ASPECT at EDUSOL 2010

After the ASPECT webinar on Common Cartridge and Moodle, Dr. Ingo Dahn of KOB received an invitation to participate in EDUSOL 2010 (8-19th November, 2010) a Latin-American conference on education using open-source technologies. The organisers also invited other speakers in ASPECT webinars. VIGO coordinated EDUSOL and ASPECT presenters.

As a suggestion of the EDUSOL’s Academic Committee, the presentations were translated into Spanish, since most of the participants speak in Spanish or Portuguese, the official

languages of the event. VIGO coordinated the translation of presentations into Spanish, and provided technical support to the EDUSOL committee.

ASPECT participated in this conference organising four webinars. These were:

- Harvesting Metadata, held on 19th November 2010.
- Common Cartridge and Moodle, which was held on 11th November 2010.
- Controlled Vocabularies, which took place on 11th November 2010.
- Benefits of Learning Technology Standards, on 19th November 2010.

Date	Number of Participants	Accumulated Number of Participants
November 2010	26	788

We provide a full report of this event in the annexes section (7.2.4.5).

3.5.8 ASPECT at EDUCATICE 2010

The title of the ASPECT Conference at EDUCATICE 2010 was: *Quelle harmonisation pour la description et la mutualisation des ressources pédagogiques en ligne dans l'enseignement scolaire?* This event took place on 25th November 2010 in Paris. The ASPECT partner involved in this event was CNDP.

This ASPECT event discussed the following topics:

- The compatibility of ScoLOMFR with LOM.
- How are pedagogical aspects taken into account?

The speakers were Marie-Christine Milot, from the French Ministry of Education, and Rosa María Gómez de Regil, from Scéren-CNDP.

The target audience was all interested stakeholders in the following issues:

- ScoLOMFR.
- LOM.

Date	Number of Participants	Accumulated Number of Participants
25 th November 2010	52	840

In the annexes section (7.2.4.6), we provide a full report on this event.

3.5.9 ASPECT at Sulinetwork 2010

The Sulinetwork conference was held from 2nd December 2010 to 4th December 2010 in Debrecen (Hungary).

Attila Fözö organized a special session entitled: *Innovation and Collaboration – sulinet.net and ASPECT* as a part of the plenary session of the annual Sulinetwork conference. On the third day of the conference teachers and school principals attended a workshop entitled: *Walking in the Network – ASPECT project*.

The aims of the ASPECT project were presented in both these sessions with a particular focus on the need for standards-based content in education and the LRE. The use of Common

Cartridge was demonstrated by using/downloading Hungarian content from the LRE and importing it into Moodle.

The target audience was teachers (mainly IT), school principals from different regions of Hungary and experts from different training companies.

Date	Number of Participants	Accumulated Number of Participants
2 nd December 2010 – 4 th December 2010	35	875

In the annexes section (7.2.4.7), we provide a full report on this event.

3.5.10 ASPECT at BETT 2011

The BETT Show in London in January each year is the largest event of its kind in Europe and provides an important opportunity to present project results although, given the number of competing workshops and seminars, it is very difficult to attract delegates to any event that lasts longer than 1-2 hours. In 2011, ASPECT partners concentrated on visiting the show and having one-to-one meetings with exhibitors in order to promote and invite key publishers, IWB vendors, learning platform and tools vendors to the Educational Publishing Futures seminar organised by ASPECT on 17-18 in Brussels. With YDP, EUN also produced a stand alone ASPECT presentation that was run at regular intervals on a large screen on the YDP stand in the exhibition. A copy of this presentation can be accessed on the project web site <http://www.aspect-project.org/node/147>

In the annexes section (7.2.4.8) we provide a full report of this event.

3.5.11 ASPECT at EDUCATIO 2011

This event took place on 21st January 2011 in Budapest (Hungary). The ASPECT partner in charge of organising this event was EDUCATIO.

The presentation by Attila Főző in Public Education in Focus – Forum for Educators (a satellite event of Educatio 2011) gave an overview of the ASPECT project and its aims and activities. The presentation was focused on the Common Cartridge as a standard that can be used by schools when they are collecting materials from the Learning Resource Exchange.

The target audience was composed of teachers, school principals, and content developers. The scope of the presentation was to give information about the outcomes of the ASPECT project.

Date	Number of Participants	Accumulated Number of Participants
21 th January 2011	26	901

In the annexes section (7.2.4.9) we provide a full report of this event.

3.5.12 ASPECT at Portuguese as a Foreign Language

This event took place on 27th January 2011 in Portugal. The ASPECT partner in charge of organising this event was DGIDC.

The main objective of this event was to make known to a wider public 120 learning resources created as part of the Portuguese participation in the ASPECT project. Its expected outcomes were: a better understanding of what ASPECT is about; a clearer picture of the role played by PFL in the National Curriculum; and the actual use of the 120 resources which can be accessed at the Schools Portal.

The program of the event was:

- Portuguese as a Foreign Language in the National Curriculum, by Lina Varela, DGIDC.
- An overview of the ASPECT project, by José Moura Carvalho, DGIDC.
- 120 learning resources for PFL, by Helena Lemos (author).

The target audience was composed of teachers of Portuguese as a foreign language and staff of the Ministry of Education working in the PFL area.

Date	Number of Participants	Accumulated Number of Participants
27 th January 2011	24	925

In the annexes section (7.2.4.10), we provide a full report of this event.

4 LTSO and LTSOplus

Online dissemination channels were a key component of the overall ASPECT dissemination strategy. In this section we outline the actions undertaken in the Learning Technology Standards Observatory (LTSO), the central online dissemination tool for ASPECT. The LTSO is available at <http://www.cen-ltso.net>. VIGO undertook a development of the LTSO consisting of: an update of content; a re-organisation of content structure; a re-design of the user interface; and an improvement of its functionalities.

Despite the fact that the development of the LTSOplus was not contemplated in the DoW, in the document D4.1 Communication Handbook, the project indicated that Web 2.0 tools and social networks would provide the framework for informal dissemination. Therefore, to support this, VIGO developed a LTSO extension based mainly on Web 2.0 tools. This extension, named LTSOplus, served as a meeting point for disseminating information about informal activities/comments related to SSLT. This application was used principally to provide support to working groups from the ASPECT project, providing a virtual space for the different work packages to communicate, share documents, and discuss issues. This application was also used by the SPI group in the process of creating the Simple Publishing Interface specification.

4.1 *The Learning Technologies Standards Observatory*

Currently, there are many commercial products under development and many R&D projects exploring issues related to the uptake of learning technology standards. Notwithstanding this, there is widespread confusion and misunderstanding on the relations between relevant standards and specifications, as well as between organisations that develop, define, profile or implement them. This was the rationale for the development of the Learning Technologies Standards Observatory (LTSO), an accessible and sustainable web based repository that acts as a focal access point to projects, results, activities and organisations that are relevant to the development and adoption of LT standards.

The LTSO was originally developed in 2002 through a CEN WS-LT call, with the financial support of the DG Enterprise. After the end of the DG Enterprise funding the LTSO has been maintained through several EU-funded projects, namely LIFE (2005-2006) and ASPECT (2008-2011). ASPECT used the LTSO as one of its main dissemination tools, and contributed to the update and restructuring of its content, the improvement of its functionalities and the development of a new user interface.

The LTSO is now a key tool for the SSLT community and it is contributing to the CEN Learning Technology Workshop's objectives:

- Encouraging participation in global initiatives in order to ensure that diverse European requirements are properly addressed by those global initiatives.
- Creating specifications, agreements, guidelines or recommendations where appropriate.
- Providing a forum for the development and implementation of requirements-driven Learning Technologies.

- Carefully examining and taking into account the various effects on learning and training technology standards which are due to the diversity of cultural backgrounds and languages that exist within Europe.
- Publicizing the Learning Technologies Workshop's activities and results to relevant European projects, Technology developers and end users.
- Providing a forum for discussion for European project initiatives.

4.2 Improvements in the LTSO

During the ASPECT project, the following actions have been undertaken in the LTSO:

- To disable the tools that were being unused in the former LTSO. In particular, discussion forums, standards search, and the different “versions” (languages) of the portal.
- To facilitate users to contact LTSO administration staff, in order to get questions answered or to comment and suggest content.
- To enable the portal to increase/decrease text size, thus improving accessibility.
- To set the principal menu to show at every time the full scope of available contents in the portal.
- To enable the display of the terms of use alongside content.
- To enrich static content with related news and events.
- To provide a print view in the different sections of the portal.
- To show configured parameters alongside search results.
- To add tools for sharing events and news in social networks.
- To enable geolocation of contents.
- To improve the functionality of the events’ calendar and to create importation tools.
- To allow professionals to register as experts in arbitrary topics.
- To add tools for viewing PDF documents in the application.
- To update the format of emails sent by the application, thus avoiding these being filtered as spam, with a special focus in newsletters.
- To provide different RSS sources for news and events.
- To implement a search tool integrated in all portal contents.
- To create a Frequently Asked Questions section.
- To provide tools that allow users to locate contents in the portal structure.
- To add a map of the website that indexes, at least, the static contents of the observatory.
- To enable administration tools for managing the new modules.
- To add mechanisms for enabling the display of statistical data about visits, content, and users.
- To allow expert users to invite other learning technology professionals to register in the observatory.
- To provide information about the last registered experts and the last edited/added content.
- To try to provide the maximum degree of compatibility with all web browsers.
- To minimize downtime when moving the observatory to a new version.
- To set security mechanisms that allow for system recovery.

4.3 Statistical data

The LTSO is an active online tool with more than 2.7 million visits recorded thus far, hundreds of news and events published and different sections providing up-to-date information on a wide range of LT standardisation areas. The ASPECT project has used the LTSO as one of the main tools to disseminate information and publish its events, outcomes and results. In the following tables is a summary of the statistical data of the LTSO: Table 1 shows the statistics of the LTSO since its beginning in 2003, Table 2 shows the statistics of the LTSO during ASPECT's life span, and Table 3 shows the statistics of the LTSO during the last 15 months. These data were updated on Tuesday, 1st March 2011 at 00:00 GMT.

Table 1 Statistical data of the LTSO during its total life span.

Data	Measure
Regular users registered	668
Expert users registered	182
Visits	2,775,405
Created/edited nodes	851
Created/edited contents	716
Added news	757
Included events	959

Table 2 Statistical data of the LTSO during ASPECT's life span.

Data	Measure
Regular users registered	496
Expert users registered	157
Visits	1,502,893
Created/edited nodes	227
Created/edited contents	310
Added news	425
Included events	489

Table 3 Statistical data of the LTSO in the last 15 months.

Data	Measure
Regular users registered	384
Expert users registered	142
Visits	950,067
Created/edited nodes	63
Created/edited contents	69
Added news	269
Included events	289

The complete lists of news and events published in the LTSO during ASPECT can be found in annexes 8.3 and 8.4 respectively.

4.4 An overview of the new user interface

A new interface was implemented for the LTSO. In the following figure we can see how the new user interface is structured. It is worth noting the effort made to provide a similar look to the CEN official web site. The colours, font styles, icons, list environments, have been

designed accordingly to the CEN styles. This section just provides a brief description of some of the changes. The complete set of changes can be seen at www.cen-ltso.net.

Three main blocks can be differentiated in the LTSO interface (see Figure 1):

- The **page header** contains the title, the institutional image, and the access to the different sections. This is a difference with respect to the original LTSO portal, where accesses were scattered along the lateral margins of the page.
- The **central part** is the space for presenting the contents that are selected from the different web links.
- The **page footer** just shows the number of visits to the portal.



Figure 1 Main page of the LTSO website.

The maps that are shown in the application (see Figure 2) were implemented using the Google Maps API, and the control GoogleMaps.Subgum.NET of Google Maps.

In all of them, there exist five advanced controls:

- Control of navigation – It shows a movement/zoom control like the one used in the maps of Google Maps
- Control of scale – It allows for modifying the scale of the map. This control is also activated doing scroll with the mouse over the map
- Control of type of map – It allows for selecting the different types of maps: satellite, terrestrial or road map.
- Control of searches – It allows for searching for a particular location in the map, and it shows marks as search results.

- Control of location – It allows for locating the visualized zone in a wider sector and to move the map.

The calendar shown in the events section (see Figure 3) is implemented using the Google Calendar API. The main controls available are:

- Current day – It allows for centering the calendar upon the current day.
- Previous/next view – It links to the previous/next day, week or month according to the selected view.
- Date selector – It allows for selecting a particular day/week/month in the agenda.

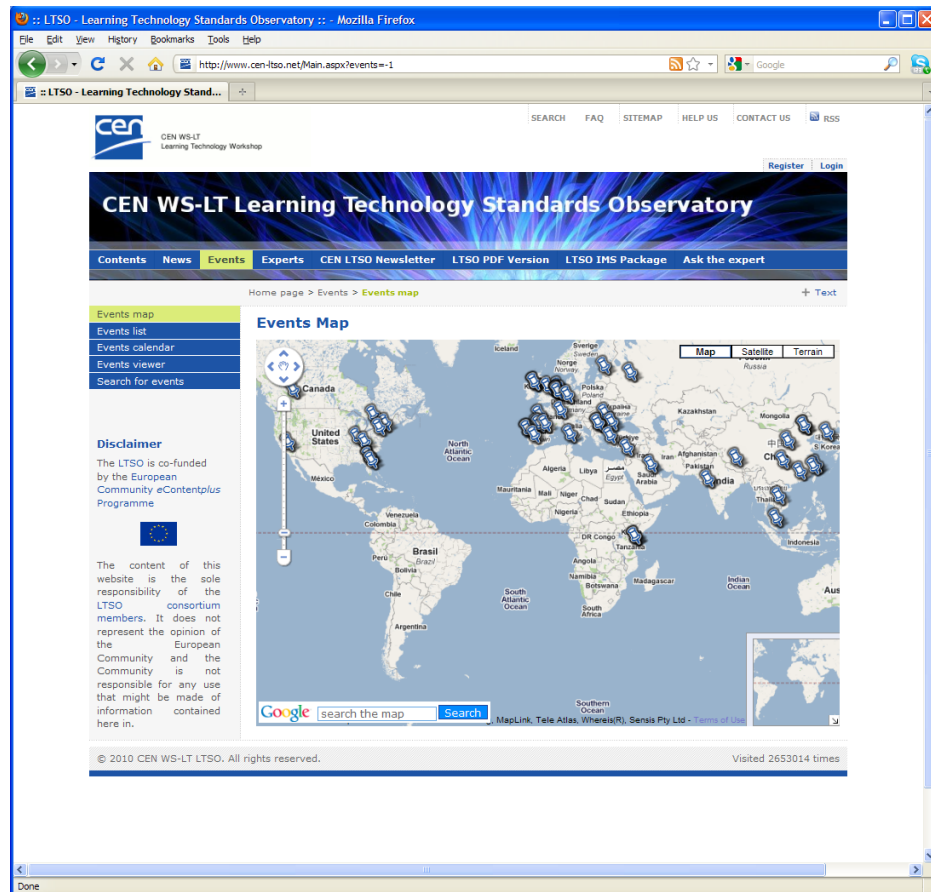


Figure 2 Screenshot of the events map.

- Printing - It allows for printing or saving the selected view.
- Type of view – It allows for choosing among daily, weekly, and monthly views.
- Selector of visible calendars – Over the same template, it shows two calendars: face-to-face events, in blue color; and on-line events, in green color.
- Add to the calendar – It allows for adding a calendar of LTSO events to a calendar owned by a Google user.

4.5 The LTSO in the Internet

One way of evaluating the visibility, use, and relevance of a web application is checking its position in search engines. In this sense, the LTSO website is among the top results for learning technology standards search terms in the most important search engines.

Keywords are terms with which target audiences search for information and websites. For a website like the LTSO, which indexes events and news everyday, the set of possible

keywords is dynamic and cannot be well defined beforehand. Bearing this in mind, we performed an analysis of search results based on keywords for a particular period of time: from 17th July to 21st August 2010. We consider this study to be representative enough of the relevance of the LTSO in search engines. Studies for other temporal periods may differ on the keywords, because many of them are dependent on the events/news that existed during the time span subjected to study.

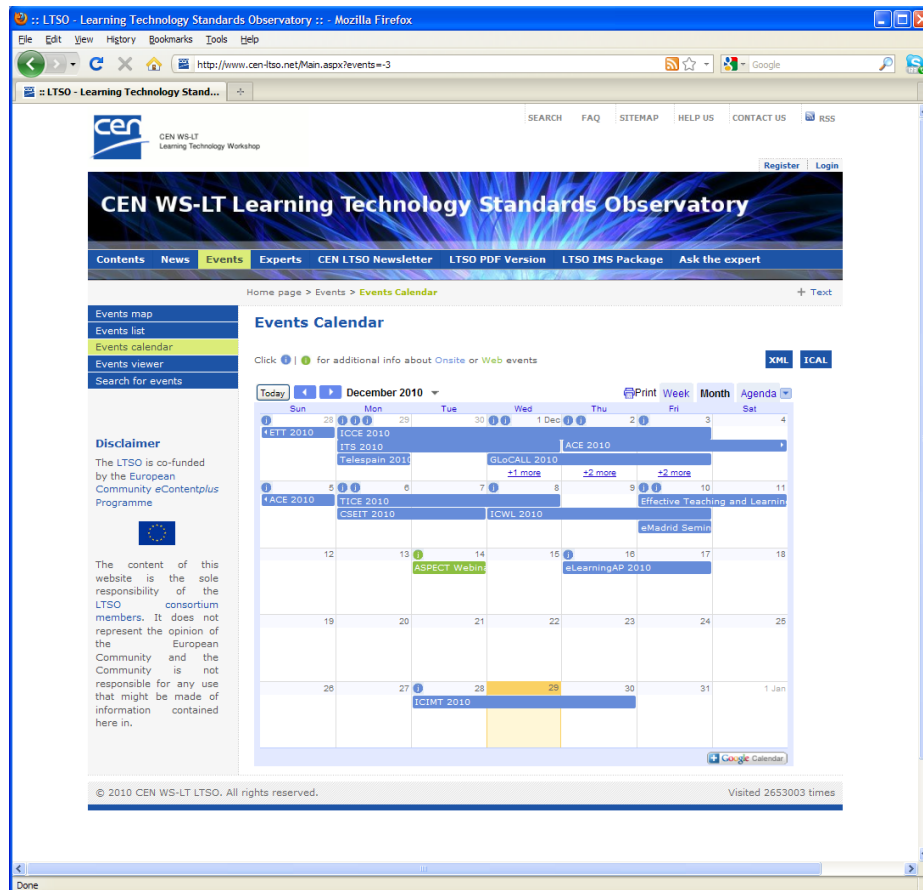


Figure 3 Screenshot of the events calendar.

Apart from the dynamic keywords, which depend on the events/news that we consider for a particular time span, we have also positioned fixed keywords. The LTSO website is optimised for terms such as: *learning technology standards* and all combinations of these words (e.g. learning technology, learning standards). Since search engines index pages not sites, each page has been optimised for all searches related to its content. At the time of writing this document, the LTSO is among the top ten search results in Google for the searches: *learning technology* (4th), *learning standards* (6th), and *learning technology standards* (1st). These data shows the great visibility, and therefore impact, of the LTSO, being even better situated than other relevant sites related to learning technology standards (e.g. IEEE LTSC, ISO JTC1 SC36, CEN WS-LT, CEN TC353, IMS, JISC CETIS).

In this section, we also include a statistical study of incoming links to the LTSO from external sites. This is a well-known parameter for achieving a good positioning in search engines, so we tried to improve the popularity of the LTSO within the community of related websites. Hence, related websites have inserted links to the LTSO, as they consider that it offers valuable

content to its readers. This dramatically helped us to improve the LTSO position in search engines.

4.5.1 Search queries

In this section we analyze data on Google queries that retrieve any result linking to the observatory in the period from 17th July to 21st August 2010.

Figure 4 shows the number of page impressions showing a link to the LTSO website per day:



Figure 4 Number of page impressions per day.

We can extract several conclusions:

- From 1,324 search queries analyzed, 74,000 search results link to the observatory. There are many page impressions and few search queries; therefore the majority of search results are grouped into a small set of keywords.
- We can see how the number of page impressions decrease at the weekend, as the queries that have to do with the observatory are more frequent on working days.

Regarding keywords, Table 4 shows the queries that retrieve results linking to the LTSO portal. These keywords are ordered by number of page impressions. The meaning of the columns is: **query**, the search term that was introduced in a search box; **page impressions**, the number of times the LTSO was shown to a user as part of the search results for that query; **average position**, as the position of a website in search results depends on many factors such as the location of the user, preferences, language, etc. then we have to perform an arithmetic mean; **page**, refers to the actual page of the LTSO website that is shown in search results.

Table 4 Analysis of the position of the LTSO website for a set of search terms.

Query	Page impressions	Average position	Page
Edulearn	2900	9.2	/main.aspx?events=873
Amcis 2010	1900	5.5	/main.aspx?events=801
Sefi	1000	9.2	/main.aspx?events=744
Protel	880	17	/main.aspx?events=916
T4e	880	9.1	/main.aspx?events=755
Iti2010	720	7.9	/main.aspx?events=802
www.cen	720	9.3	/main.aspx
leafa	590	9.1	/main.aspx?events=886
Educa	590	10	/main.aspx?events=907
Atee	590	6.2	/main.aspx?events=805
Etrain	480	10	/main.aspx?events=861

Fie2010	480	5.6	/main.aspx?events=764
---------	-----	-----	-----------------------

We can draw some conclusions from the previous table:

- The majority of retrieved links are related to events published at the observatory.
- Usually, the entries related to the observatory show among the first ten search results, that is, in the first page.

Table 5 shows search terms with a bigger “impressions to clicks” rate. The meaning of data in columns is: **query**, is the search term under analysis; **page impressions**, means the number of times a website is shown to a user in search results; **clicks**, means the number of times a user clicks on a link to the LTSO website; **average position**, is an arithmetic mean of the position in which the LTSO appears in search results.

Table 5 Search terms with bigger impressions to clicks rate.

Query	Page impressions	Clicks	Average position
Iceri	170	16	3.2
LTSO	260	12	2.6
Cancore	260	12	6.6

Other relevant data on statistics about search results in Google:

- The countries with more search queries related to the observatory are: USA, Singapore, India, UK, Australia, Canada, Germany, Spain, Peru, Brazil, Taiwan, The Netherlands, Sweden, New Zealand, and Turkey.
- 9.13% of these searches were performed using smart phones

4.5.2 Links to the observatory

The following table shows the number of links to the LTSO found in external sites. Google uses the PageRank algorithm for calculating the relevance of a web site. PageRank is a numeric value that defines the importance of a website in the Internet. PageRank is important because is one of the factors that determines a website position in search results.

The number of incoming links is important because Google calculates that, when one website contains a link to a second website, it is actually casting a vote for this second website. The more votes cast for a website, the more important the website is. Google calculates the relevance of a website from the number of incoming links to it. Therefore, the number of incoming links should be maximized to get the maximum relevance. Table 6 illustrates this point.

Table 6 Incoming links to the LTSO website.

Linked page	Links
http://www.cen-ltso.net	2080
Main.aspx?news=678	409
Main.aspx?news=811	258
Main.aspx?news=814	258
Main.aspx?news=812	253

Main.aspx?news=813	253
Main.aspx?news=815	253
Main.aspx?events=801	128
Main.aspx?events=809	118
Main.aspx?events=811	116
Main.aspx?events=919	77
Main.aspx?events=921	77
Main.aspx?events=-3	76
Main.aspx?events=920	72
Main.aspx?events=922	72
Main.aspx?news=-1	64
Main.aspx?events=813	60
Main.aspx?events=916	56
Main.aspx?news=808	53
Main.aspx?news=621	21

Table 7 shows the text of links to the LTSO found in external sites. An anchor text backlink is one link with hyperlinked words that direct you to the LTSO website. They are relevant for what you will find in the linked website. Instead of seeing www.cen-ltso.net you would see a particular text link as those listed in the table. Anchor text backlinks help search engines to recognise the actual thematic of a web site. Therefore, it is important to count with plenty of backlinks from websites that are relevant to the LTSO.

Table 7 Anchor text backlinks to the LTSO website

opencout demonstrator ec tel 2010
adl webinars suspended
the presentations of the euscreen open workshop on
ims webinar
celda 2010
2nd sig protel workshop on the analysis of
view all events
view all news
ims qti lacks semantic interoperability states new icoper
european schoolnet learning awards 2009
the aicc website has a new look

new openscout deliverable on federated infrastructure and application
ltso
ims webinar learning information services
ims webinar addressing student retention and institution specific
http www cen ltso net
learning technology standards
view all ltso events
1484.11 2 2003 rea_rmed by ieee standards board
ims global learning consortium announces participation in the

Table 8 lists some of the external sites that link to the LTSO. The PageRank of a web site is strongly influenced by the number and quality of external sites that link to it. Therefore, our strategy consisted of: get incoming links from external web sites; and to get those links from external web sites of high prestige and quality.

Table 8 External sites linking to the LTSO website.

External site
http://erikduval.wordpress.com/
http://www.buenaspracticas-elearning.com/
http://www.cen-iss-wslt.din.de/
http://www.cen-wslt.din.de/
http://www.prototus.org/
http://aspect-project.net/
http://digitaleduquest.com/
http://www.cc.uah.es/
http://ntic.org/
http://najjar.be/
http://www.buydomainportfolio.com/
http://www.cen-ltsoplus.net/
http://www.elearningreadiness.org/
http://www.tomwason.com/
http://devcommunityserver.jisc.ac.uk/

http://en.ntic.org/
http://lre.eun.org/
http://www.aicc.org/

4.6 The LTSOplus

Technologically, the LTSOplus can be seen as a social network, as it is based on the Elgg software package, which makes it possible to configure a network made of relationships between members of that network, and it provides other functionalities such as blogs.

The main components of the LTSOplus are:

- ASPECT Social Network. The new LTSOplus includes access to the ASPECT Social Network. Through that Web 2.0 tool, it is possible to comment on current working drafts for standards and specifications, get in contact with experts, share documents and other data, etc.
- ASPECT Blog Platform. The ASPECT Blog Platform allows participants to have their own hosted blog, as well as to aggregate entries from external blog platforms.
- ASPECT Webinar Tool. A set of webinars were held during the ASPECT lifetime. These allowed standards' adopters to have at their disposal during a period of time those standards experts that belong to the ASPECT consortium. ASPECT Webinar Tool was used to support follow-ups of those Webinars.
- Access to LRE Service Center. The LTSOplus is the central frontal access point to the set of services identified in the LRE service center.
- Stakeholder-based SSLT online dissemination tool. The LTSO plus provided profiled access to simplified information allowing different stakeholders to directly access the information they need and get the message they are looking for. The LTSOplus offers a set of simplified documents with structured information for the different stakeholders.

The following software development work has been carried out:

- Customization of the open-source solution Elgg in order to fit the particular characteristics of this project. That included the development of several modules from scratch.
- The user interfaces were redesigned in order to adapt them to the LTSO look-and-feel.
- A basic structure had to be developed in some applications; for example, the basic structure for an online seminar (webinar).
- The set of tools were integrated among themselves and with the LTSO website.

Figure 5 shows a screenshot of the user interface of the LTSOplus. The LTSOplus acts as a central access point both to the LTSO and to the new set of tools.

Due to the collaborative nature of webinars, we needed a platform that could offer support for Computer Supported Collaborative Work (CSCW). We designed an Elgg extension that enables us to organize a webinar as an Elgg group. Figure 6 shows a list of webinar groups in the LTSOplus. Thus, participants in a particular webinar can enroll in the Elgg group that hosts the webinar and participate in fruitful discussions.

The LTSOplus provides tools to create a new webinar web site and give access control to enrolled participants. It also provides a set of collaborative tools that makes collaboration more effective. It provides an easy way to:

- Upload and share materials.
- Hold online discussions and chats.
- Give choices and surveys.
- Set up wikis.



Figure 5 Screenshot of the LTSOplus interface.

A quick look at each one of these features shows how they were useful to support webinars:

- Uploading and sharing materials – The LTSOplus provides tools for easily publishing the webinar content. Instead of using an HTML editor and sending documents to a server via FTP, you simply use a web form to store the webinar content.
- Forums and chats – Online forums and chats are valuable communication channels. Forums give participants more time to generate their responses and may lead to more thoughtful discussions. Forums are particularly well suited to publish announcements, to provide feedback, to support questions & answers on technical topics, etc. Chats give you a way to quickly and easily communicate. They can be used for questions and answers after a presentation.
- Wikis – A wiki is a collection of collaboratively authored web pages. A wiki starts with one front page. Participants in the webinar can edit the page or add more pages to the wiki by creating links to new pages that do not exist yet. Old versions of each page

can be viewed by checking the page history. In the LTSOplus, wikis are a powerful tool for collaborative work. The entire group of participants in a webinar may edit a document together.



Figure 6 Screenshot of the Webinars section.

The LTSOplus was also used to support collaboration among the members of the different work packages. Figure 7 shows the interface of the Simple Publishing Interface (SPI) group. This group was the most active during the lifespan of the project. The SPI specification is a CWA. It defines a protocol for publishing learning objects and metadata to digital repositories. This protocol facilitates transferring metadata and learning objects from tools that produce materials to applications that persistently manage learning objects and metadata. The SPI group was lead by Stefaan Ternier, from the Katholieke Universiteit Leuven. Other people in this group were: Erik Duval, from the Katholieke Universiteit Leuven; Ian Ibbotson, from k-int; David Massart, from the European Schoolnet; Gonzalo Parra, from the Katholieke Universiteit Leuven; Frans Van Assche, from the European Schoolnet; Bernd Simon, from the Vienna University of Economics and Business Administration; Neil Smith, from k-int; and Michael Totschnig, from the Vienna University of Economics and Business Administration. The LTSOplus was used by this group for project coordination, draft publishing, discussion of issues, and for daily communication.



The screenshot shows a web browser window displaying the 'New Elgg Site' interface. The page is titled 'SPI' (Simple Publishing Interface) and is part of the 'LTSO+' project. The main content area includes a description of the SPI specification, its objectives, and a list of interests. The left sidebar contains links to 'Edit group', 'Invite friends', 'Leave group', 'Group discussion', 'Group files', and 'Group pages'. The bottom section shows 'Latest discussion' with a message 'No topics have been created.'

SPI

The Simple Publishing Interface (SPI) specification defines a protocol, an API, for publishing learning objects and metadata to digital repositories.

Subscribe to feed
Bookmark this
Report this

Edit group
Invite friends
Leave group

Group discussion

Group files
Group pages

Group members

SPI

Description:

The Simple Publishing Interface (SPI) specification, partly sponsored by the CEN Workshop on Learning Technologies, defines a protocol, an API, for publishing learning objects and metadata to digital repositories. This protocol facilitates transferring metadata and learning objects from tools that produce materials to applications that persistently manage learning objects and metadata.

The objective of this specification is to develop a practical approach towards interoperability between repositories for learning and applications that consume or produce educational materials. Examples of repositories for learning are educational brokers, knowledge pools, institutional repositories, streaming video servers, etc. Applications that consume these educational materials are for instance query and indexation tools, authoring tools, presentation programs, content packagers, etc. The work will concentrate on the development of the simple publishing interface (SPI), an interface for storing educational materials in a repository.

Brief description: The Simple Publishing Interface (SPI) specification defines a protocol, an API, for publishing learning objects and metadata to digital repositories.

Interests: OAI-PMH, SRU/SRW, SQI

Link: <ftp://ftp.cen.eu/CEN/Sectors/TCandWorkshops/Workshops/CWA16097.pdf>

Owner: Manuel Caeiro
Members: 8

Latest discussion

No topics have been created.

Group files **Group pages**

Figure 7 The SPI group.

5 Other Dissemination Activities

This section describes the ASPECT dissemination activities in international conferences and international journals. ASPECT members produced many high-level scientific papers that were published in conference proceedings and international journals. This section also lists a number of standards and specifications that were produced as an outcome from the technical work within ASPECT. This information was drawn from the Educanext⁵ platform (used for the internal management of the ASPECT project) on Tuesday, 1st March 2011 at 00:00 GMT.

5.1 Articles in Conferences

Table 9 lists ASPECT partners that participated in international conferences. Each line represents a presentation delivered by an ASPECT member.

Table 9 Participation of ASPECT partners in conferences.

Partner	Conference	Location	Date
EUN	ICALT 2009	Riga, Latvia	July 2009
VIGO	CITA 2009	Gijon, Spain	May 2009
VIGO	CITA 2009	Gijon, Spain	May 2009
EUN	7 th Conference on Next Generation Information Technologies and Systems	Haifa, Israel	June 2009
EUN	8 th International Conference on Web-based Learning (ICWL'09)	Aachen, Germany	August 2009
ITC	Conference 'ICT in School'	Vilnius, Lithuania	October 2008
ITC	Conference 'ICT in School'	Kaunas, Poland	September 2009
ITC	3 rd International Symposium on Intelligent Distributed Computing	Agia Napa, Cyprus	October 2009
ITC	9 th Conference on ICT in Education	Porto, Portugal	November 2010
ITC	Informacijos Mokslai (Information Sciences)	Kaunas, Poland	September 2009
VIGO	Web Based-Education 2010	Sharm El Sheikh, Egypt	March 2010
VIGO	EDUCON 2010	Madrid, Spain	April 2010
VIGO	ITHET 2010	Cappadocia, Turkey	April 2010

⁵ http://www.educanext.org/dotlrn/clubs/aspect/one-community?page_num=6

UL	SIRIKT 2010	Kranjska Gora, Slovenia	April 2010
VIGO	E-learning Africa	Lusaka, Zambia	May 2010
JYU, EUN	SE@M 2010	Barcelona, Spain	September 2010
EUN	SE@M 2010	Barcelona, Spain	September 2010
VIGO, KUL	SE@M 2010	Barcelona, Spain	September 2010
YDP	SE@M 2010	Barcelona, Spain	September 2010
UL	VIVID 2010	Ljubljana, Slovenia	October 2010
JYU, EUN	INTED 2011	Valencia, Spain	March 2011
UL	SIRIKT 2011	Kranjska Gora, Slovenia	April 2011
UL	EUROCON 2011	Lisbon, Portugal	April 2011

5.2 Articles in Journals

ASPECT project members published articles in the following top ranked international journals:

Table 10 Participation of ASPECT partners in international journals.

Authors	Partners	Journal	Date of publication
Manuel Caeiro-Rodriguez, Luis Anido-Rifon, Martin Llamas-Nistal	VIGO	Educational Technology & Society	2010
Kurilovas, E.	ITC	<i>Intelligent Distributed Computing III, Studies in Computational Intelligence</i>	2009
Munoz-King, P., Gras-Velazquez, A. & Joyce A.	EUN	Boletín das Ciencias Enciga Ano XXII	2009
Roberto Perez Rodriguez, Manuel Caeiro Rodriguez, Luis Anido Rifon	VIGO	IEEE-RITA	2009
Ruben Miguez, Juan M. Santos, Luis	VIGO	TICs Aplicadas para el aprendizaje de la	2010

Anido		Ingeniería (TICAI),	
Victor González Barbone, Luis Anido Rifon	VIGO	Computers and Education	2010
S. Ternier, D. Massart, M. Totschnig, J. Klerkx, and E. Duval	KUL, EUN	D-Lib Magazine	2010
D. Massart, E. Shulman, N. Nicholas, N. Ward, and F. Bergeron	EUN	D-Lib Magazine	2010
Roberto Perez-Rodriguez, Manuel Caeiro-Rodriguez, Luis Anido-Rifon, Martin Llamas-Nistal	VIGO	Journal of Universal Computer Science (J.UCS)	2010
K. Clements, J. Pawlowski	JYU	JCAL	2011

5.3 Other Publications

The following list shows standards and specifications developed by ASPECT members during the project lifetime:

- D. Massart and E. Shulman. Learning Resource Exchange Metadata Application Profile version 4.5.2. European Schoolnet.
- D. Massart, N. Nicholas and N. Ward. IMS GLC Learning Object Discovery and Exchange (LODE) Base Document Version 1.0. Base Document, IMS Global Learning Consortium.
- D. Massart, E. Shulman, and F. Bergeron. IMS GLC Learning Object Discovery and Exchange Public Draft v1.0. Draft Specification, IMS Global Learning Consortium. To appear.
- S. Ternier, M. Totschnig, D. Massart, and N. Smith. The Simple Publishing Interface (SPI) specification. CEN Workshop Agreement (CWA 16097).⁶⁷

5.4 Edition of Publications

From WP4, two Calls for Papers have been published: one for the IEEE RITA journal, and another one for the IEEE Transactions on Learning Technologies journal. In both publications the guest editor is WP4 leader: Prof. Dr. Luis Anido Rifon. These special issues aim at gathering works that can be considered to be in a stage prior to their normalisation, and that

⁶ A proposal for “Interoperability of Registries” was accepted, and it will be developed under the umbrella of CEN WS-LT as a CEN Workshop Agreement (CWA).

⁷ The Simple Query Interface (SQI) Specification for Learning Repositories, and the Simple Publishing Interface (SPI) Specification were approved by CEN TC353 as New Work Item proposals for European Norms.

may be subject to needing a further standardisation process. In addition, these special issues also aim at gathering experiences of use of tools and content which conform to standards and specifications, in order to assess their potential usefulness. This is another important dissemination tool that has been put in place by ASPECT in order to gather the most relevant works in the field of Standards and Specifications for Learning Technologies and the Best Practices for their application.

The text of the Call for Papers for the IEEE RITA journal is attached in the annexes section (7.5.1), and the Call for Papers for the IEEE Learning Technology Newsletter is attached in the annexes section (7.5.2).

6 Conclusions

Problems experienced by IfEEL, the original WP leader lead to this partner's bankruptcy in July 2010. The problems experienced by this partner inevitably caused some disruption to the ASPECT dissemination strategy and the ability of the project to meet targets within the deadlines that were originally envisaged at the start of the project.

During the second half of the project, however, steps were taken to strengthen the dissemination efforts leading to increased participation in events organised by ASPECT partners and also in a higher attendance in a new series of webinars. During the second half of the project, the number of ASPECT associated partners also dramatically increased and, at the time of writing, is now well beyond the target of 150 envisaged in the DoW. This number is also complemented by the network of LTSO experts who participate in supporting ASPECT to better serve the learning community.

During the first half of ASPECT, the number of attendees at technical events was 42, and the number of attendees at general dissemination events was 56. During the second half period these numbers were:

- 223 attendees at technical events
 - Ten technical webinars with an attendance of 190
 - Two plugfests with an attendance of 33 people
- 869 attendees at general dissemination events
 - Two webinars with an attendance of 39 people
 - Twelve national workshops with a participation of 260 people
 - Four international workshops that were attended by 240 people
 - Twelve events at conferences, with a participation of 330 people

Therefore, the total number of participants in technical events during the ASPECT life span was 265, and the total number of participants in general dissemination events was 925.

National workshops and webinars played a very important role in the ASPECT dissemination strategy. National workshops particularly allowed for the training of teachers in their native language, and also eliminated travel costs, which may be a disincentive in many cases. The move to running more webinars was also very much in line with the deteriorating economic situation in many countries in 2009-2010 as these online events clearly save time and money. A sign of the interest in the webinars is also the fact the high number of registrations for some events meant that the project had to run a second webinar in order to meet the demand.

The Learning Technology Standards Observatory (LTSO) has also been a very valuable asset for online dissemination, as demonstrated by its usage statistics (section 4.5), with more than 2.7 million visits and hundreds of news and events so far published. ASPECT enabled the LTSO to develop a new user interface, update LTSO content, reorganise the structure of how content is presented, and also improve LTSO technical functionalities. The LTSO website is now well positioned in search engines, being among the top positions for search terms related to learning technology standards.

By the end of the project and under a new WP4 leader, the ASPECT dissemination strategy was successful beyond expectations. All ASPECT events were well designed and organised

and provided both useful information and effective training for participants, especially in technical dissemination events.

Taking into account the wide range and the number of dissemination events that were undertaken during the second half of the project, as well as the positive feedback that we received from those events, we are confident that the knowledge and skills that participants gained from attending ASPECT dissemination events will have a positive impact on their working practices and the organisations in which they work.

Our impression is that the use and implementation of Learning Technology standards and specifications is still a new field in many organisations, including in commercial publishers and content developers where awareness of content packaging standards, for example, is still at a relatively low level. However, there is a growing interest and awareness in standards such as SCORM and Common Cartridge and ASPECT has certainly played an important part here. 150 high-level delegates from several countries registered in under three weeks for the ASPECT Educational Publishing Futures event in February 2011, confirmation that the project has successfully stimulated the debate on learning standards at a pan-European level.

7 Annexes

7.1 *Technical Events*

7.1.1 Webinars

7.1.1.1 Event Report: Webinar on Harvesting Metadata



ASPECT

WP4: Event Report
Webinar on Harvesting Metadata

Event Report

Webinar on Harvesting Metadata



Event data

Title of event: ASPECT Webinar on Harvesting Metadata

Type of event: Online Seminar

Location: Online (FlashMeeting-based)

Start date: 5th October, 2010

End date: 5th October, 2010

Organizing partner: VIGO

Partners involved: VIGO, KUL

Expected outcomes

The basic aim is to provide content providers with technical expertise on how to publish their metadata using ASPECT infrastructure and toolset.

Program of the event

The presentation by Dr. Joris Klerkx explains a typical harvesting workflow from content providers. Topics covered among others: the LOR Registry, OAI-PMH in short, the Harvester tool, the Validator tool.

Dr. Joris Klerkx is a postdoctoral fellow at the Computer Science department of the Katholieke Universiteit Leuven. His research interests include user experience design (i.e. information visualisation, faceted search, multitouch, mobile devices), metadata, and flexible access to a global learning infrastructure based on open standards in general. He has been involved in the eContentPlus projects ASPECT and ICOPER, and is furthermore involved in the EU FP7 projects STELLAR, ROLE and iTEC. Currently, he is also active in the ARIADNE foundation.

Target audience and scope

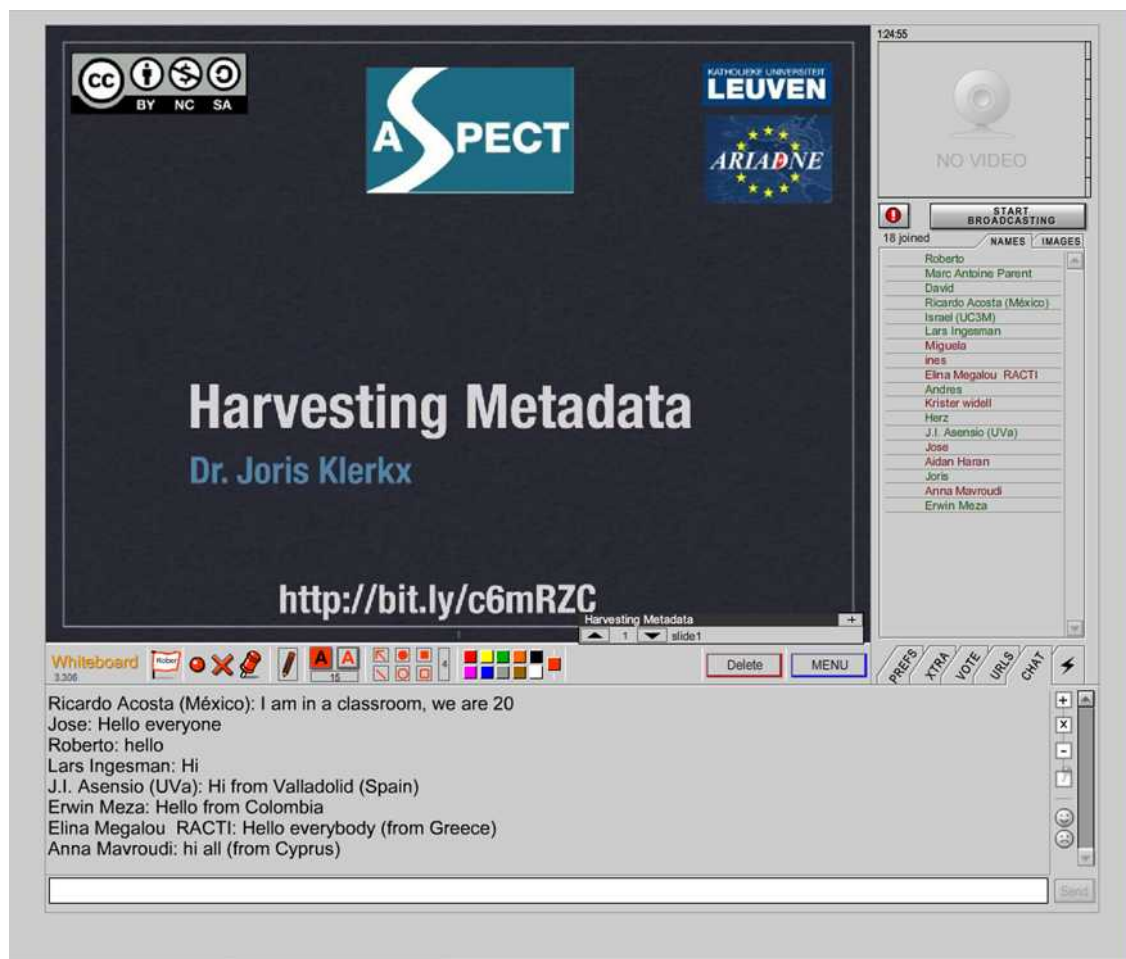
All involved stakeholders in the learning process: content publishers, tool developers, educational institutions, etc. with a special focus on the technical departments.

List of participants (47 attendees)

Miren A. Ugalde, UPV/EHU, Spain
 Israel Gutierrez, UC3M, Spain
 Juan I. Asensio, University of Valladolid, Spain
 David Bernal, Universidad de Antioquia, Colombia
 Elina Megalou, RACTI, Greece
 Jose R. Arzuaga, University of Puerto Rico, Puerto Rico
 Lars Ingesman, UNI-C, Denmark
 Guillermo de la Calle Velasco, UPM, Spain
 Miren A. Ugalde, UPV/EHU, Spain
 Marc-Antoine Parent, GTN-Quebec, Canada
 Ines Gil Jaurena, UNED, Spain
 Jose Luis Fernandez Vindel, UNED, Spain
 Andres Rey Piedrahita, UCEVA, Colombia
 Erwin Meza Vega, University of Cauca, Colombia
 Miguela Fernandes, Agrupamento de Escolas da Batalha, Portugal
 Anna Mavroudi, Open University of Cyprus, Cyprus
 Krister Widell, Metamatrix, Sweden
 Aidan Haran, HMH, Ireland
 Pedro Santana, University of Colima, Mexico
 Ricardo Acosta Díaz, University of Colima, Mexico
 Mayra Catalina Canela Garcia, University of Colima, Mexico
 Herzon Rodríguez, University of Colima, Mexico
 Jonathan Perez Aldama, University of Colima, Mexico
 Javier Fernando Uribarren Reyes, University of Colima, Mexico
 Juan Francisco Arreola Hernandez, University of Colima, Mexico
 Laura Jazmin Magaña Heredia, University of Colima, Mexico
 Thalia Alejandra Dimas Rivera, University of Colima, Mexico
 July Cesar Gonzalez Rodriguez, University of Colima, Mexico
 Jose Felipe Angeles Jacobo, University of Colima, Mexico
 Itzel Martinez Pineda, University of Colima, Mexico
 Rosa Elizabeth Bermudez Padilla, University of Colima, Mexico
 Jessica Cecilia Estrada Rodriguez, University of Colima, Mexico
 Felipe Arturo Perez Camargo, University of Colima, Mexico
 Jesus Figueroa Gomez, University of Colima, Mexico
 Angello Mejia Silva, University of Colima, Mexico
 Angel Josue Mendoza Olmos, University of Colima, Mexico
 David Baron Mora, University of Colima, Mexico
 Alexis Ulises Rincon Vazquez, University of Colima, Mexico
 Jose David Gomez Galvan, University of Colima, Mexico
 Selene Maricruz Gonzalez Monroy, University of Colima, Mexico
 Alexis Efren Salgado Corona, University of Colima, Mexico
 Jose Luis Preciado Lopez, University of Colima, Mexico
 Paul Llamas Virgen, University of Colima, Mexico
 Jorge Adrian Garcia Alvarez, University of Colima, Mexico
 Armando Roman Gallardo, University of Colima, Mexico

Arthur Walter Edwards Block, University of Colima, Mexico
 Jorge Rafael Gutierrez Villalobos, University of Colima, Mexico

Screenshots





The screenshot shows a virtual meeting interface. At the top, there are logos for ASPECT, KATHOLIEKE UNIVERSITEIT LEUVEN, and ARLADNE. The main slide displays the text "Thanks! Questions?" in large blue and red font. Below this is a "betterme" logo and the URL "HTTP://BTER.ME/05L8". A QR code is visible on the right side of the slide, with the URL "http://bit.ly/c6mRZC" below it. A "Harvesting Metadata" window is open at the bottom of the slide. On the right side, there is a video feed of a participant named Joris. Below the video feed is a list of 15 joined participants: Roberto, Marc Antoine Parent, David, Ricardo Acosta (México), Israel (UC3M), Miguela, Elina Megalou (RACTI), Andres, J. I. Asensio (UVA), Miren, Pedro Santana, ines, Guillermo, Jose, and Joris. At the bottom, there is a chat window with a list of messages from participants. The chat messages are:

- Marc Antoine Parent: so there is a new contribution to the new metadata, to identify versions?
- Miguela: Can I use EXE to produce content to moodle in a Common Cartridge format
- Joris: yes in eg the lifecycle section
- Marc Antoine Parent: great
- Marc Antoine Parent: thanks again
- Miguela: ok thanks
- Ricardo Acosta (México): the OAI-PMH standar already include search commands?
- Ricardo Acosta (México): are they defined in the standard?

The chat window has a "Send" button at the bottom right.

7.1.1.2 Event Report: Webinar on Common Cartridge and Moodle



ASPECT

WP4: Event Report

Webinar on Common Cartridge and Moodle

Event Report

Webinar on Common Cartridge and Moodle



Event data

Title of event: ASPECT Webinar on Common Cartridge and Moodle

Type of event: Online Seminar

Location: Online (Wimba-based)

Start date: 19th October, 2010

End date: 19th October, 2010

Organizing partner: VIGO

Partners involved: VIGO, KOB, ICODEON, KUL

Expected outcomes

The basic aim is to explain important issues on Common Cartridge specification and how this specification can be used in Moodle.

Program of the event

The presentation by Dr. Ingo Dahn and Warwick Bailey explains the basics of the Common Cartridge specification, and how this specification can be used in Moodle and in the ICODEON platform.

Target audience and scope

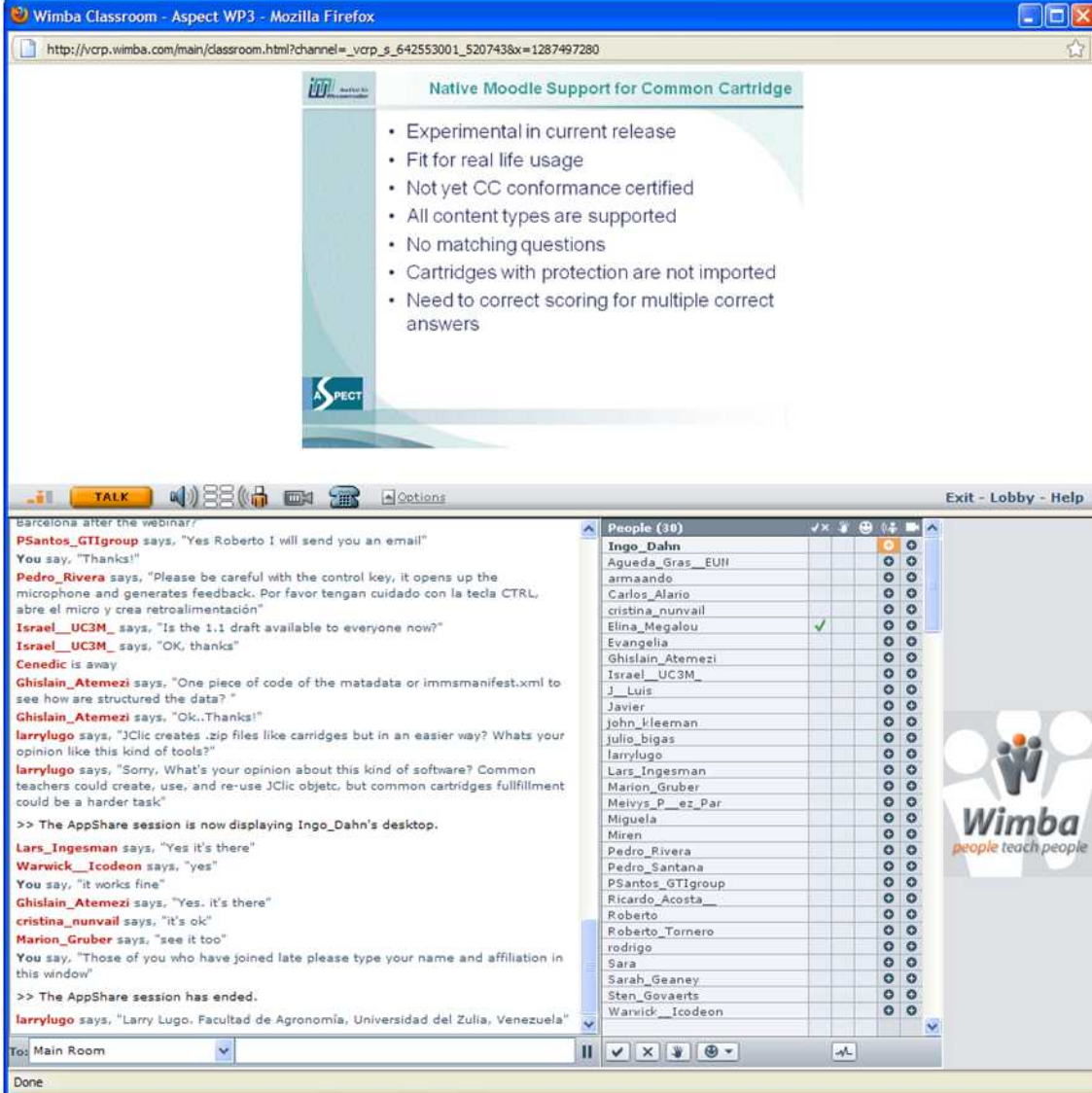
All involved stakeholders in the learning process: content publishers, tool developers, educational institutions, etc.

List of participants (50 attendees)

Agueda Gras, EUN, Belgium
Carlos Alario, University of Valladolid, Spain
Cristina Nunvailer, SIVECO Romania, Romania
Elina Megalou, RACTI, Greece
Evangelia Mitsopoulou, St. George's University of London, UK
Ghislain Auguste Atemezang, UPM, Spain
Israel Gutierrez, Universidad Carlos III de Madrid, Spain
John Kleeman, Questionmark, UK
Lars Ingesman, UNI-C, Denmark
Marion R. Gruber, Open University, Netherlands

Meivys Paez Paredes, Universidad de Pinar del Rio, Cuba
Pedro J. Rivera, University of Vigo, Spain
Pedro Cesar Santana Mancilla, Universidad de Colima, Mexico
Roberto Tornero Santamarina, Facultad de Informatica UCM, Spain
Rodrigo Buendia, UAH, Spain
Sara Gallardo-Gonzalez, Universidad Catolica de Avila, Spain
Sarah Geaney, HMH, Ireland
Sten Govaerts, KULeuven, Belgium
Larry Lugo, Universidad del Zulia, Venezuela
Miguela Fernandes, Agrupamento de Escolas da Batalla, Portugal
Miren Ugalde, University of the Basque Country, Spain
Rosa Cano, Grupo SM, Spain
Júly Bigas, Escola Secundaria D. Maria II, Portugal
Gabriela Gutierrez, Universidad Autonoma Juan Misael Saracho, Bolivia
Jose Luis Fernandez Vindel, UNED, Spain
Davinia Hernandez-Leo, UPF, Spain
Jonathan Chacon, UPF, Spain
Miguel-Angel Carralero, UPF, Spain
David Perez, UPF, Spain
Javier Melero, UPF, Spain
Mar Perez-Sanagustin, UPF, Spain
Raul Nieves, UPF, Spain
Patricia Santos, UPF, Spain
Ricardo Acosta Diaz, Universidad de Colima, Mexico
Gerardo Hernandez Farias, Universidad de Colima, Mexico
Armando Aguilar Alfaro, Universidad de Colima, Mexico
Ana Alicia Gonzalez Mendieta, Universidad de Colima, Mexico
Nashielly Aidee Merlin Garcia, Universidad de Colima, Mexico
Juan Rafael Ramos Anguiano, Universidad de Colima, Mexico
Francisco Emmanuel Mendoza Andrade, Universidad de Colima, Mexico
Leonardo Ivan Andrade Castillo, Universidad de Colima, Mexico
Aaron Armando Hernandez Zamorano, Universidad de Colima, Mexico
Herzon Kalet Rodriguez Torres, Universidad de Colima, Mexico
Xochitl Selene Flores Perez, Universidad de Colima, Mexico
Mayra Catalina Canela Garcia, Universidad de Colima, Mexico
Erick Fernando Mesina Covarrubias, Universidad de Colima, Mexico
Edgar Eduardo Ruiz Anguiano, Universidad de Colima, Mexico
Jose Luis Preciado Lopez, Universidad de Colima, Mexico
Selene Maricruz Gonzalez Monroy, Universidad de Colima, Mexico
Sergio Armando Ramirez Schulte, Universidad de Colima, Mexico

Screenshots



The screenshot shows the Wimba Classroom interface within a Mozilla Firefox browser window. The main content area displays a presentation slide titled "Native Moodle Support for Common Cartridge" with the following bullet points:

- Experimental in current release
- Fit for real life usage
- Not yet CC conformance certified
- All content types are supported
- No matching questions
- Cartridges with protection are not imported
- Need to correct scoring for multiple correct answers

Below the presentation, a chat window is active, showing a list of participants and a chat log. The chat log includes messages from various users, such as PSantos_GTIGroup, Pedro_Rivera, Israel_UC3M, and Ghislain_Atemezi, discussing the software and its features. The chat window also features a "TALK" button and a "Options" menu.

On the right side of the chat window, there is a list of participants (30) with their names and status icons. The list includes names like Ingo_Dahn, Agueda_Gras_EUH, armaando, Carlos_Alario, cristina_nunvill, Elina_Megalou, Evangelia, Ghislain_Atemezi, Israel_UC3M, J_Luis, Javier, John_Kleeman, julio_bigas, larrylugo, Lars_Ingesman, Marion_Gruber, Meivys_P_ez_Par, Miguela, Miren, Pedro_Rivera, Pedro_Santana, PSantos_GTIGroup, Ricardo_Acosta, Roberto, Roberto_Tornero, rodrigo, Sara, Sarah_Geaney, Sten_Govaerts, and Warwick_Icodeon.


The bottom of the interface shows a "To: Main Room" dropdown menu and a "Done" button.

Wimba Classroom - Aspect WP3 - Mozilla Firefox

http://vcrp.wimba.com/main/classroom.html?channel=_vcrp_s_642553001_520743&x=1287497280

Demo

• Re-mixing Common Cartridge Content Using the Icodeon Platform



Icodeon Common Cartridge Platform RESTful API

LMS Blogs Social Networks Wikis Learning Object Libraries

TALK Options Exit - Lobby - Help

microphone and generates feedback. Por favor tengan cuidado con la tecla CTRL, abre el micro y crea retroalimentación

Israel_UC3M_ says, "Is the 1.1 draft available to everyone now?"

Israel_UC3M_ says, "OK, thanks"

Cenedic is away

Ghislain_Atemezi says, "One piece of code of the matadata or immsmanifest.xml to see how are structured the data?"

Ghislain_Atemezi says, "Ok..Thanks!"

larrylugo says, "JClic creates .zip files like cartridges but in an easier way? Whats your opinion like this kind of tools?"

larrylugo says, "Sorry, What's your opinion about this kind of software? Common teachers could create, use, and re-use JClic objetc, but common cartridges fulfillment could be a harder task"

>> The AppShare session is now displaying Ingo_Dahn's desktop.

Lars_Ingesman says, "Yes it's there"

Warwick_Icodeon says, "yes"

You say, "It works fine"

Ghislain_Atemezi says, "Yes, it's there"

cristina_nunvail says, "it's ok"

Marion_Gruber says, "see it too"

You say, "Those of you who have joined late please type your name and affiliation in this window"

>> The AppShare session has ended.

larrylugo says, "Larry Lugo, Facultad de Agronomía, Universidad del Zulia, Venezuela"

larrylugo says, "(issues connecting using Linux)"

Miren tells you, "Miren Ugalde - University of the Basque Country, Spain"

>> **Warwick_Icodeon_UK_** has been promoted to presenter status by Ingo_Dahn

To: Main Room

Done

People (29)

Ingo_Dahn					
Warwick_Icodeon					
Agueda_Gras_EUII					
armaando					
Carlos_Alario					
cristina_nunvail					
Elina_Megalou					
Evangelia					
Ghislain_Atemezi					
Israel_UC3M_					
Javier					
John_Kleeman					
julio_bigas					
larrylugo					
Lars_Ingesman					
Marion_Gruber					
Meivys_P_ez_Par					
Miguela					
Miren					
Pedro_Rivera					
Pedro_Santana					
PSantos_GT1group					
Ricardo_Acosta_					
Roberto					
Roberto_Tornero					
rodrigo					
Sara					
Sarah_Geaney					
Sten_Govaerts					

Wimba
people teach people

7.1.1.3 Event Report: Webinar on Harvesting Metadata II



ASPECT

WP4: Event Report
Webinar on Harvesting Metadata II

Event Report

Webinar on Harvesting Metadata II



Event data

Title of event: Second Edition of ASPECT Webinar on Harvesting Metadata

Type of event: Online Seminar

Location: Online (FlashMeeting-based)

Start date: 27th October, 2010

End date: 27th October, 2010

Organizing partner: VIGO

Partners involved: VIGO, KUL

Expected outcomes

The basic aim is to provide content providers with technical expertise on how to publish their metadata using ASPECT infrastructure and toolset.

Program of the event

The presentation by Dr. Joris Klerkx explains a typical harvesting workflow from content providers. Topics covered among others: the LOR Registry, OAI-PMH in short, the Harvester tool, the Validator tool.

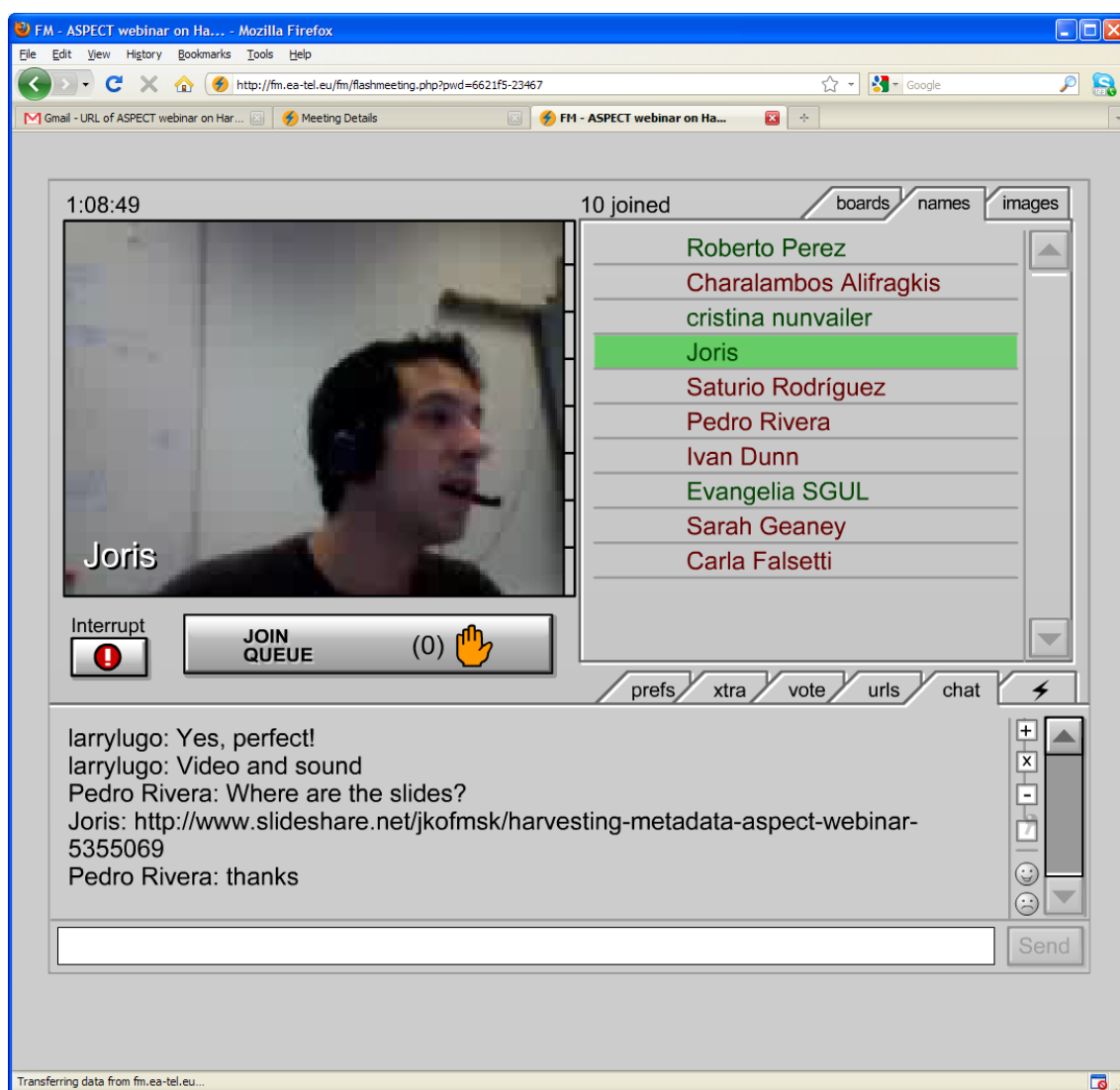
Target audience and scope

All involved stakeholders in the learning process: content publishers, tool developers, educational institutions, etc.

List of participants (9 attendees)

Alifragkis Charalambos, University of Piraeus, Greece
Cristina Nunvailer, SIVECO Romania, Romania
Saturio Rodriguez, Jaitek Tecnologia y Formacion, Spain
Pedro Rivera, University of Vigo, Spain
Ivan Dunn, HMM, Ireland
Evangelia Mitsopoulou, St George's University of London, United Kingdom
Sarah Geaney, HMM, Ireland
Carla Falsetti, Universita Politecnica delle Marche, Italy
Larry Lugo, Universidad del Zulia, Venezuela

Screenshots




FM - ASPECT webinar on Ha... - Mozilla Firefox



File Edit View History Bookmarks Tools Help

http://fm.ea-tel.eu/fm/flashmeeting.php?pwd=6621f5-23467

Gmail - URL of ASPECT webinar on Har... Meeting Details FM - ASPECT webinar on Ha...

1:02:27 11 joined boards names images

 Joris

Interrupt  JOIN QUEUE (0) 

prefs xtra vote urls chat

Joris: <http://www.slideshare.net/jkofmsk/harvesting-metadata-aspect-webinar-5355069>
Pedro Rivera: thanks
Evangelia SGUL: if we have some elements in our profile that cannot be mapped with LOM or any other existing standard?
Evangelia SGUL: yeap, thanx !

Send

Transferring data from fm.ea-tel.eu...

7.1.1.4 Event Report: Webinar on Controlled Vocabularies



ASPECT

WP4: Event Report
Webinar on Controlled Vocabularies

Event Report

Webinar on Controlled Vocabularies



Event data

Title of event: ASPECT Webinar on Controlled Vocabularies

Type of event: Online Seminar

Location: Online (Wimba-based)

Start date: 9th November, 2010

End date: 9th November, 2010

Organizing partner: VIGO

Partners involved: VIGO, VMG

Expected outcomes

The ASPECT European Vocabulary Bank for Education (VBE) provides a way of publishing and managing terms and concepts. It includes all the controlled lists used in metadata for the Learning Resource Exchange. The demonstration will provide a guided tour of the VBE and the Lexaurus Editor software that is used to edit vocabularies.

Program of the event

The presentation by Mike Collett included the following topics:

- Browsing
- Searching
- Multilinguality
- Mappings
- SKOS and other formats
- Faceted classification
- History and versioning

Target audience and scope

All involved stakeholders in the learning process: content publishers, tool developers, educational institutions, etc.

List of participants (25 attendees)

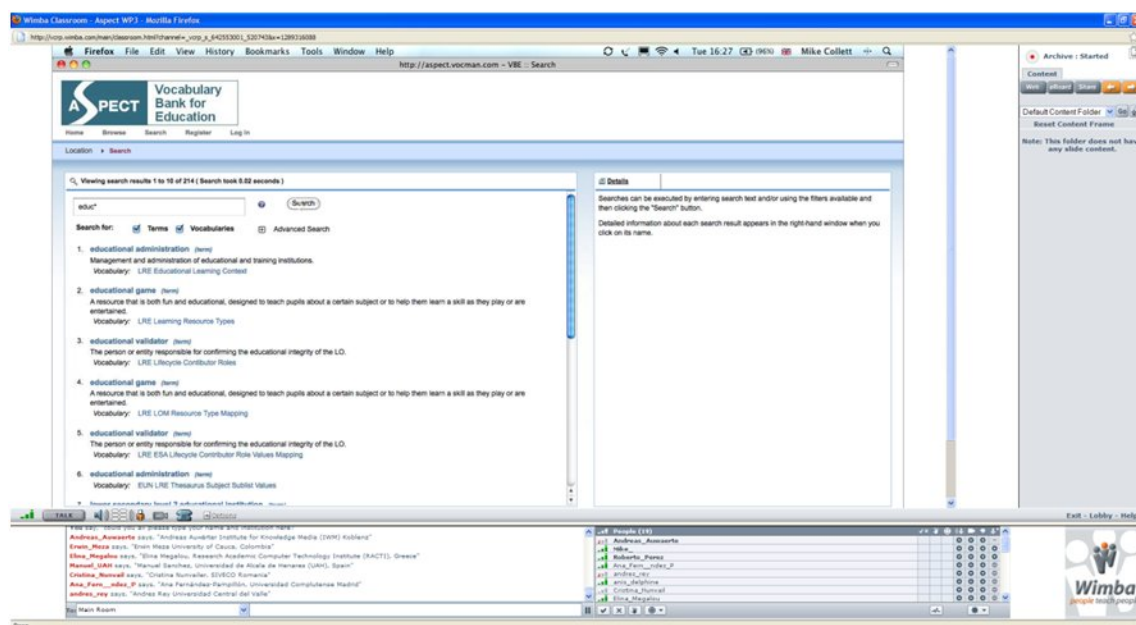
Alberto Abián, University of Alcalá de Henares, Spain

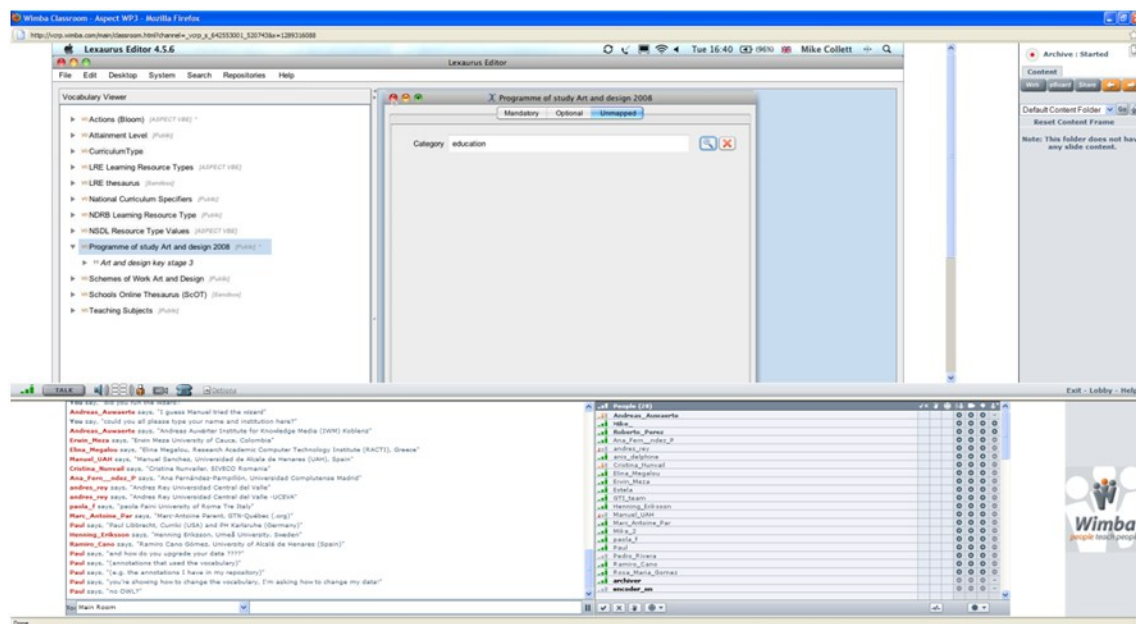
Ana Fernández Pampillón, Universidad Complutense de Madrid, Spain

Andrés Rey, Unidad Central del Valle del Cauca, Colombia

Anis Delphine, CNDP, France
 Cristina Nunvailer, SIVECO Romania, Romania
 Elina Megalou, Computer Technology Institute (RACTI), Greece
 Erwin Meza, University of Cauca, Colombia
 Estela Ibáñez-García, Complutense University of Madrid – University of Stockholm, Spain – Sweden
 Henning Eriksson, Applied Educational Science – Umea University, Sweden
 July Bigas, Escola Secundaria D. Maria II, Portugal
 Manuel Sanchez Hernanz, Universidad Alcala de Henares, Spain
 Marc Antoine Parent, GTN-Quebec, Canada
 Paola Faini, Universita Roma Tre, Italy
 Paul Libbrecht, Germany
 Pedro Rivera, University of Vigo, Spain
 Ramiro Cano, University of Alcala de Henares, Spain
 Rosa María Gómez, CNDP, France
 Patricia Santos, UPF, Spain
 Mar Pérez, UPF, Spain
 Davinia Hernández, UPF, Spain
 Javier Melero, UPF, Spain
 Raul Nieves, UPF, Spain
 David Pérez, UPF, Spain
 Pau Moreno, UPF, Spain
 Jonathan Chacon, UPF, Spain

Screenshots





7.1.1.5 Event Report: Webinar on Common Cartridge and Moodle II



ASPECT

WP4: Event Report

Webinar on Common Cartridge and Moodle II

Event Report

Webinar on Common Cartridge and Moodle II



Event data

Title of event: Second Edition of ASPECT Webinar on Common Cartridge and Moodle

Type of event: Online Seminar

Location: Online (Wimba-based)

Start date: 10th November, 2010

End date: 10th November, 2010

Organizing partner: VIGO

Partners involved: VIGO, KOB, ICODEON, KUL

Expected outcomes

The basic aim is to explain important issues on Common Cartridge specification and how this specification can be used in Moodle.

Program of the event

The presentation by Dr. Ingo Dahn and Warwick Bailey explains the basics of the Common Cartridge specification, and how this specification can be used in Moodle and in the ICODEON platform.

Target audience and scope

All involved stakeholders in the learning process: content publishers, tool developers, educational institutions, etc.

List of participants (14 attendees)

Paul Libbrecht, Germany

André Brigham Sival, LeYa, Portugal

Carla Falsetti, Università Politecnica delle Marche, Italy

Claudia Calva Montiel, Universidad Autónoma de Barcelona, Spain

Daniel Herding, RWTH Aachen University, Germany

Diana Laveriano, Escuela de Posgrado de la UNALM, Perú

Erwin Meza Vega, University of Cauca, Colombia

Jaroslav Dziedzic, Young Digital Planet, Poland

John Williams, Flat World Knowledge, USA

Marc Antoine Parent, QTN-Quebec, Canada

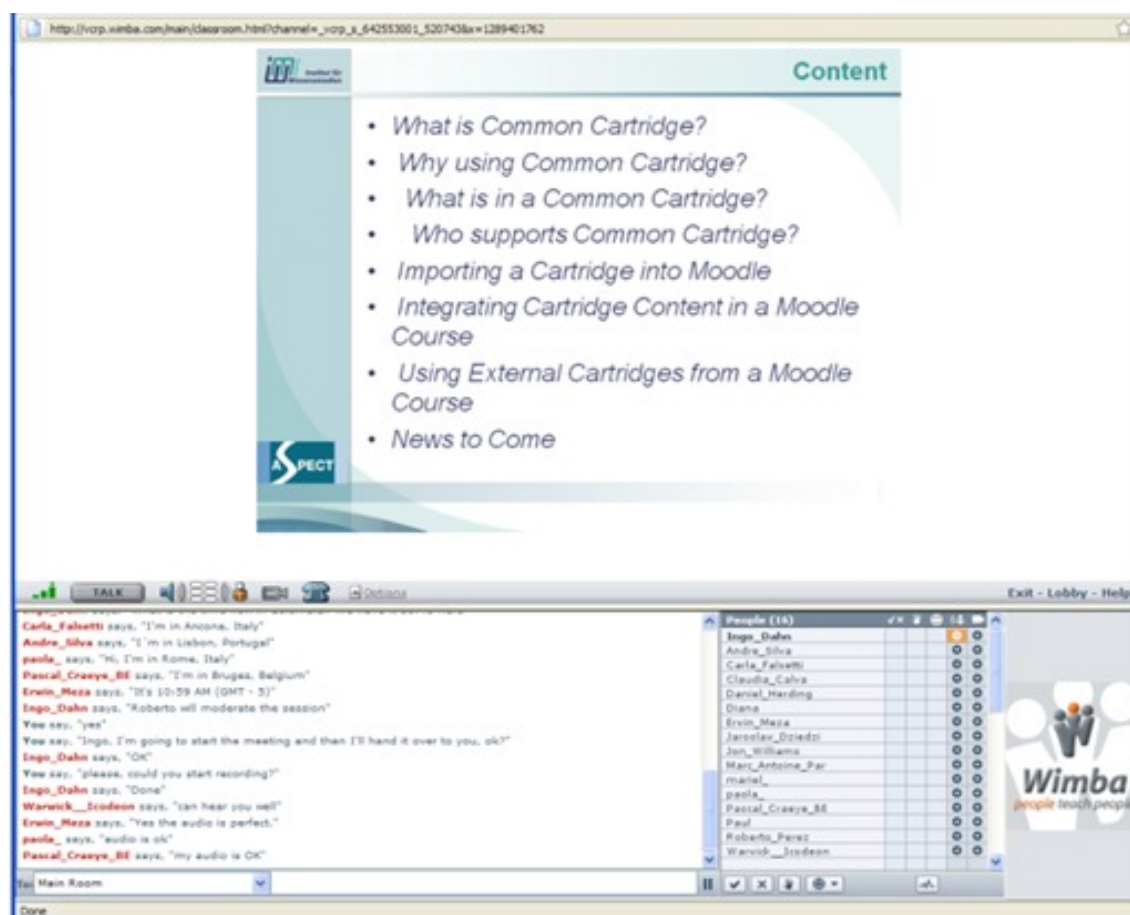
Zenonos Mariel, University of Piraeus, Greece

Francisco Requena, Cadmo, Spain

Paola Faini, Università Roma Tre, Italy

Pascal Craeye, KlasCement, Belgium

Screenshots



http://vop.wimba.com/main/classroom.html?channel=_vop_x_642553061_5207403a+1289461762

Native Moodle Support for Common Cartridge

- Experimental in current release
- Fit for real life usage
- Not yet CC conformance certified
- All content types are supported
- No matching questions
- Cartridges with protection are not imported
- Need to correct scoring for multiple correct answers

ASPECT

TALK

AppShare Exit - Lobby - Help

paula_ says: "Hi, I'm in Rome, Italy"
 Pascal_Craeye_BE says: "I'm in Bruges, Belgium"
 Erwin_Meza says: "It's 10:59 AM (GMT - 5)"
 Ingo_Dahn says: "Roberto will moderate the session"
 You say: "yes"
 You say: "Ingo, I'm going to start the meeting and then I'll hand it over to you, ok?"
 Ingo_Dahn says: "OK"
 You say: "please, could you start recording?"
 Ingo_Dahn says: "Done"
 Warwick_Jordan says: "can hear you well"
 Erwin_Meza says: "Yes the audio is perfect."
 paula_ says: "audio is ok"
 Pascal_Craeye_BE says: "my audio is OK"
 => The AppShare session is now displaying Ingo_Dahn's desktop.
 Paul says: "worked for me"
 You say: "yes"
 Jon_Williams says: "working"

People (17)
 Ingo_Dahn
 Andre_Silva
 Carlo_Falsetti
 Claudia_Calix
 Daniel_Harding
 Diana
 Erwin_Meza
 Jennifer_Diederich
 Jon_Williams
 Marc_Antoine_Parmentel
 Paco_Figueroa
 paula_
 Pascal_Craeye_BE
 Paul
 Roberto_Perez
 Warwick_Jordan

Wimba
people teach people

Main Room

Done

7.1.2 Plugfests

7.1.2.1 Event Report: Building Interoperability across Metadata Application Profiles



ASPECT

WP4: Event Report

Building Interoperability across Metadata Application Profiles

Event Report

Building Interoperability Across Metadata Application Profiles



Event data

Title of event: Building Interoperability Across Metadata Application Profiles

Type of event: Plugfest

Location: Brussels, Belgium

Start date: 18th January 2011

End date: 18th January 2011

Organizing partner: EUN

Partners involved: EUN

Expected outcomes

The objective of this plugfest is to bring together technical teams to explore issues and techniques related to the conversion of one application profile to another.

Program of the event

Metadata application profiles based on a variety of specifications are welcome (e.g., IEEE LOM, Dublin Core, IMS LODE) as long as they are used to describe learning resources. European Schoolnet will present tools for automating metadata crosswalks including its Vocabulary Bank for Education and the ASPECT transformer service. Participants will present samples of their metadata and application profiles. During the workshop participants will be invited to use these tools in building and testing converters for different metadata sets.

Target audience and scope

Content providers – technical teams

List of participants (20 attendees)

Ingo Dahn, University of Koblenz
Neil Smith, Vocman
Ian Ibbotson, Vocman
Tien-Dung Le, European Schoolnet
Gerald de Jong, Delving BV
Eric van der Meulen, Delving BV
Elena Shulman, European Schoolnet

David Massart, European Schoolnet
Muriel Foulonneau, Tudor Research Centre
Jan Molendijk, Europeana
Antoine Isaac, Europeana
Alberto Abián, OrganicEdunet
Miguel Refusta, OrganicEdunet
Rosa Maria Gomez de Regil, CNDP
Pierre Bouard, CNDP
Phil Barker, CETIS
Torleif Gravelsæter, NORLOM
Iztok Kavkler, FMF /Nauki.si
Jos van der Arend, Kennisnet
Joris Klerkx, KUL

Pictures from the event





7.1.2.2 Event Report: ASPECT Plugfest



ASPECT

WP4: Event Report
ASPECT Plugfest

Event Report

ASPECT Plugfest



Event data

Title of event: ASPECT Plugfest

Type of event: Plugfest

Location: Belgium

Start date: 26th January 2011

End date: 26th January 2011

Organizing partner: EDUC

Partners involved: EDUC

Expected outcomes

The expected outcomes of this event were:

- Dissemination of ASPECT-project and expertise gained by EduCentrum in connecting databases.
- Overview of Educational metadata standards.
- Discussion about possible connection between different databases.

Hardcopy (available through google-docs, language Dutch):

- ASPECT Metadata Plugfest Import Learning Objects: HowTo ...
- ASPECT Plugfest Glossary

Program of the event

13.30 Welcome

14.00 Presentation and present their offerings. Problem and expectations.

14.30 Introduction

- ASPECT EU: a brief overview
- Edurep in NL: approach, benefits, concerns
- EduStandaard in NL: Managing educational standards
- KlasCement: Expertise and Vision
- Current situation and possibilities for Flanders

15.30 Break

15.45 Technical:

- Meta Dated: IEEE-LOM, a standard KC (Pubelo) ...
- Harvesting & Link: How? Concrete examples.

16.45 & Discussion Questions
17.30 End

Target audience and scope

The target audience included different stakeholders (commercial and non-profit) who offer educational content and who want to know more about the possibility and essential elements when they want to offer content through the Flemish portal KlasCement (Museum, Teacher in service training center, publishers, theater, ...)

List of participants

Organisation	7.1.3 Name attendee 1	7.1.4 Name attendee 2
7.1.5 Abimo Uitgeverij	7.1.6 Klaas Demeulemeester	
Plattelandsklassen vzw - Afdeling Weidepoort	Marijke Jordens	
Universiteit Hasselt, Centrum Toegepaste Linguïstiek	Filip De Decker	
Ryckeverde vzw	Machteld Boussemaere	
Toll-net	Hilde Schaerlaekens	
BTC/CTB Kleur Bekennen/Annoncer La Couleur	Marijn Brouckaert	
Wim Geysen Producties	Elvira De Muynck	
Nederlandse Taalunie	Jeroen Devlieghere	
Competento VLAAMS AGENTSCHAP ONDERNEMERSVORMING SYNTRA VLAANDEREN	Nick Hautekees	
djapo.be	Van Speybroek Geert	Frederic Robesyn
CNO, in service training teachers	Guido Rogiest	Leo Ooms



7.2 *General Dissemination Events*

7.2.1 Webinars

7.2.1.1 Event Report: Webinar on Benefits of Learning Technology Standards



ASPECT

WP4: Event Report

Webinar on Benefits of Learning Technology Standards

Event Report

Benefits of Learning Technology Standards



Event data

Title of event: ASPECT Webinar on Benefits Management (a Publishers Perspective)

Type of event: Online Seminar

Location: Online (Wimba-based)

Start date: 23th November, 2010

End date: 23th November, 2010

Organizing partner: VIGO

Partners involved: VIGO, RWCS

Expected outcomes

This ASPECT webinar is aimed to help participants to:

- Understand the need for Benefits Management.
- How the ASPECT project uses Benefits Management.

Program of the event

The presentation by Robin Wilson will include the following topics:

- The rationale of Benefits Management.
- Approaches and modeling process.
- Benefits audit.
- Findings.

Target audience and scope

All involved stakeholders in the learning process, especially content publishers.

List of participants (28 attendees)

Andre Brigham da Silva, Leya, Portugal

Angel del Blanco, UCM, Spain

Anna Mavroudi, Open University of Cyprus, Cyprus

Antonio Ordaz, University of Colima, Mexico

Antonio Pedro Costa, Universidade de Aveiro, Portugal

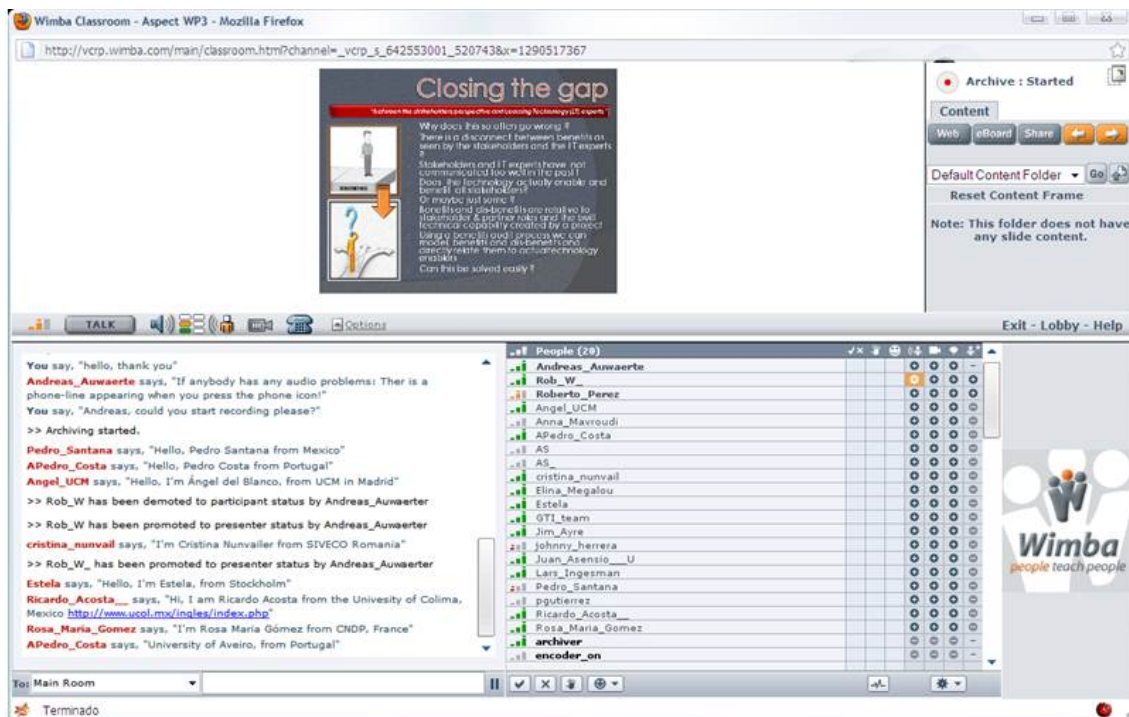
Cristina Nunvailer, SIVECO Romania, Romania

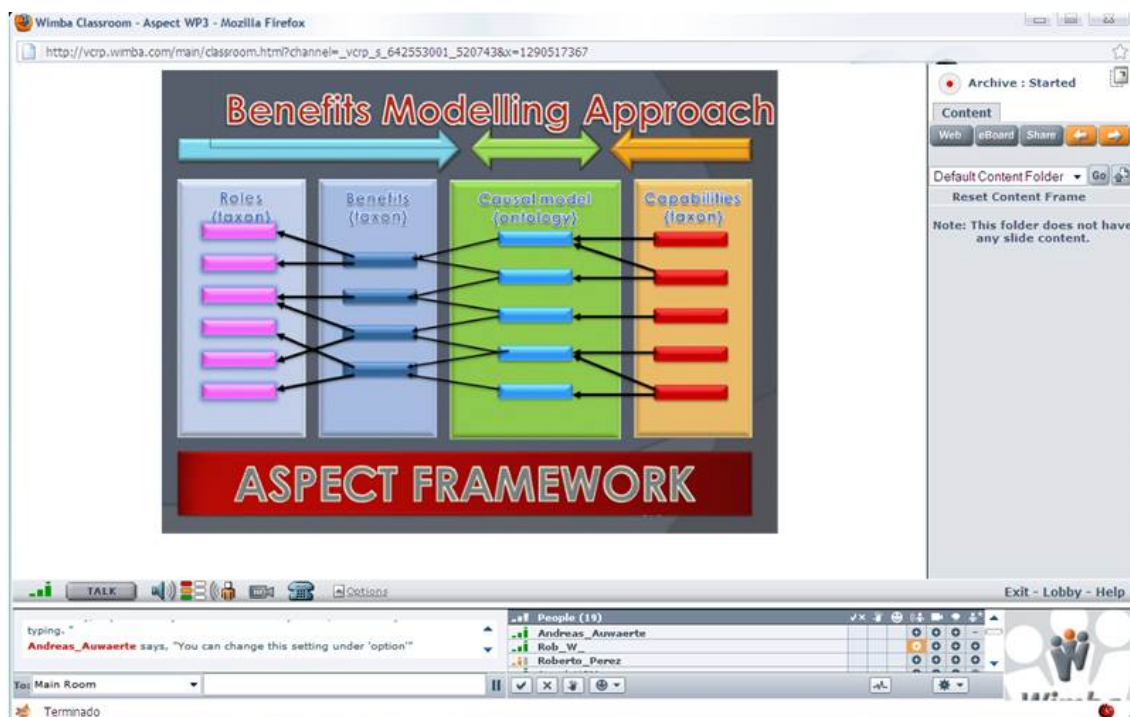
Elina Megalou, Research Academy Computer Institute (RACTI), Greece

Estela Ibanez Garcia, UCM- University of Stockholm, Spain- Sweden

George Paschalis, University Patras, Greece
 Jim Ayre, Multimedia Ventures, UK
 Jonny Herrera, Universidad Catolica Boliviana, Bolivia
 Juan I. Asensio, University of Valladolid, Spain
 Lars Ingelman, UNI-C, Denmark
 Maria Laura Ferreira, Instituto Universitario Aeronautico, Argentina
 Zenonos Mariel, University of Piraeus, Greece
 Miren Ugalde, UPV/EHU, Spain
 Pedro Cesar Santana Mancilla, University of Colima, Mexico
 Pamela Gutierrez, PUCP, Peru
 Ricardo Acosta, University of Colima, Mexico
 Rosa Maria Gomez de Regil, CNDRP, France
 Javier Melero, UPF, Spain
 Jonathan Chacon, UPF, Spain
 Pau Moreno, UPF, Spain
 Raul Nieves, UPF, Spain
 David Perez, UPF, Spain
 Mar Perez, UPF, Spain
 Davinia Hernandez, UPF, Spain
 Patricia Santos, UPF, Spain

Screenshots





7.2.1.2 Event Report: Webinar on Benefits Management (a Users Perspective)



ASPECT

WP4: Event Report

Webinar on Benefits Management (a Users Perspective)

Event Report

Webinar on Benefits Management (a Users Perspective)



Event data

Title of event: ASPECT Webinar on Benefits Management (a Users Perspective)

Type of event: Online Seminar

Location: Online (Wimba-based)

Start date: 14th December, 2010

End date: 14th December, 2010

Organizing partner: VIGO

Partners involved: VIGO, RWCS

Expected outcomes

This ASPECT webinar was aimed to help participants to:

- Understand the need for Benefits Management.
- Understand how the ASPECT project uses Benefits Management.

Program of the event

The presentation by Robin Wilson included the following topics:

- The rationale of Benefits Management.
- Approaches and modeling process.
- Benefits audit.
- Findings.

Target audience and scope

All involved stakeholders in the learning process, especially users.

List of participants (11 attendees)

Antonio Pedro Costa, Universidade de Aveiro, Portugal

Adela Ortiz, Portugal

Alifragkis Charalambos, University of Piraeus, Greece

Carla Falsetti, Universita Politecnica delle Marche, Italy

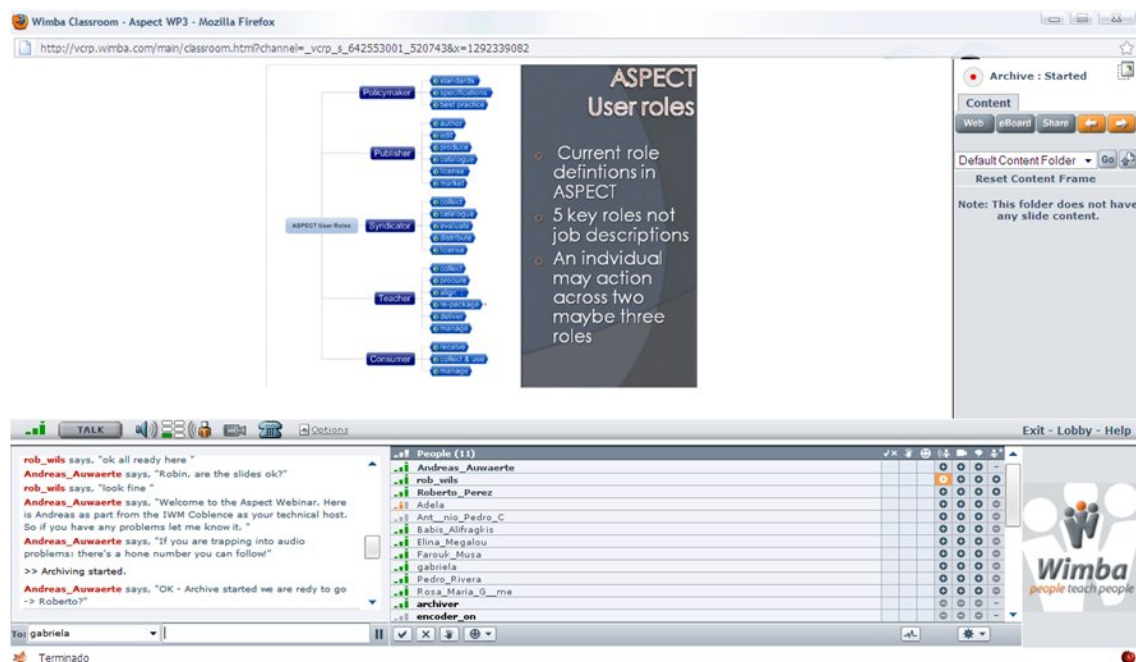
Elina Megalou, RACTI, Greece

Farouk Musa, Arab American University, Israel/Palestinian Territories

Gabriela Gutierrez, Universidad Autonoma Juan Misael Saracho, Bolivia

Maria Gabriela Diaz, Interactiva, Venezuela

Screenshots



7.2.2 National Workshops

7.2.2.1 Event Report: SIVECO Local Dissemination Workshop



ASPECT

WP4: Event Report
SIVECO Local Dissemination Workshop

Event Report

SIVECO Local Dissemination Workshop



Event data

Title of event: SIVECO Local Dissemination Workshop

Type of event: National Workshop

Location: Romania

Start date: 28th January 2011

End date: 28th January 2011

Organizing partner: SIVECO

Partners involved: SIVECO

Expected outcomes

The seminar was organized to disseminate the project results and was focused in introducing the LRE to the representative of different kind of organizations, players in the educational fields.

Program of the event

The following presentations were delivered:

- Delia Oprea (SIVECO) – ASPECT – Research and Dissemination.
- Gina Vasile pilot teacher– LRE – personal overview.
- Mihaela Garabet - pilot teacher– LRE – personal overview.
- Corina Dobrescu - pilot teacher– LRE – personal overview.
- Jeanina Cirstoiu - pilot teacher– LRE – personal overview.
- Mariana Mustata - pilot teacher– LRE – personal overview.
- Alexandra Craciunoiu, Andreea Neagu (SIVECO) – LRE and LRE ASPECT.
- Florin Burcea, Delia Oprea (SIVECO) - Standards in ASPECT.
- Radu Jugureanu (SIVECO) – Research in a new Millennium.
- Monica Florea (SIVECO) – Partnership for Research.

The afternoon section was dedicated to questions, feedback, clarifications and discussions.

The seminar gave the participants the opportunity to discover a **dynamic project** centred on the educational resources actual problems (search, delivery, use). The participants familiarized with the interoperability issues showed their interest in knowing more about the search-delivery directions that ASPECT covered under the research work packages.

The teachers were interested about the LRE utility in their classroom activities. All the participants discussed the copyrights problems that encounter the resources posted on LRE.

Some ideas from the participants can be summarized as it follows:

- Actuality of the project's objectives.
- The novelty of some results (to bring in the teachers' attention "difficult" issues like the Common Cartridge and SCORM packing).
- The diversity of the results.

Generally the attendance was impressed by the great number of schools/teachers involved in the project, the direct results obtained in the classroom and the teachers' professional development.

Target audience and scope

The teachers participating to the Pilot were invited to sustain a presentation on their experience with the LRE use.

Among the participants were representative of:

- Romanian Institute for Educational Sciences (Laura Capita).
- ADL Romania Partnership Lab (National Defence University "Carol I") (Ion Roceanu).
- eContent producers (AltFactor srl, ASCENDIA srl).
- The Centre of Technological Electronics and Interconnection Techniques (CETTI).
- Research Development, Engineering and Manufacturing for Automation Equipment and Systems.
- Universities (ASE Bucharest, UNAp Bucharest, UNarte Bucharest, etc.).
- Schools (other than those implied in the pilot).

List of participants (43 attendees)

Jeanina Cirstoiu, Universitatea din Bucuresti, Facultatea de Biologie
 Mariana Mustata, "C.Negri" Pedagogical High-School, Galati, Inspector
 Corina Dobrescu, IT National College "Tudor Vianu" Bucuresti
 Florina Stan, IT National College "Tudor Vianu" Bucuresti
 Mihaela Garabet, Liceul Teoretic Grigore Moisil Bucharest
 Gina Vasile, Cantemir Voda College, Bucharest
 Dorina Jugureanu, Colegiul Mihai Eminescu Bucuresti
 Olimpius Istrate, Universitatea din Bucuresti, Facultatea de Psihologie
 Laura Capita, ISE
 Silvia Fat, UNIV Bucuresti
 Magda Stan, Liceul Teoretic "Nicolae Iorga" Bucuresti
 Marin Vidrascu, Litera International
 Alina Ciucardel, Litera International
 Marius Ivanov, Altfactor
 Cosmin Malureanu, Ascendia
 Mioara Got, Universitatea Spiru Haret Bucuresti
 Cristina Popa, Liceul German Goethe Bucuresti
 Ion Roceanu, UNAp

Daniel Beligan, UNAp
Catalin Radu, UNAp
Dragos Barbieru, UNAp
Marius Guran, UPB PREMINV
Paul Mugur Svasta, UPB CETTI
Eugen Pop, IPA
Maria Alexe, UNArte
Dana Balaci, Scoala nr. 311 Bucuresti
Mariana Lili Badea, C.N. Iulia Hasdeu
Elena Mocean, C.N. Iulia Hasdeu
Delia Oprea, SIVECO
Monica Florea, SIVECO
Radu Jugureanu, SIVECO
Alexandra Craciunoiu, SIVECO
Andreea Neagu, SIVECO
Elena Brotac, SIVECO
Mihai Stanca, SIVECO
Petru Botmarine, ISE
Brebenel Bheorghe, C.T. Iuliumamiu
Calinescu Ioana, C.E. virgil Mailgeariu
Preda Luminita, Scoala nr. 79
Oprea Sebastian, J.T.C
Bodocan Cosmina, J.T.C.
Vasile Roman, Timisoara
Mirela Minea, SC Propesti Leodemi, Ilfov

Pictures from the event



7.2.2.2 Event Report: Standardized Content for Learning Management Systems



ASPECT

WP4: Event Report

Standardized Content for Learning Management Systems

Event Report

Standardized Content for Learning Management Systems



Event data

Title of event: Standardized Content for Learning Management Systems

Type of event: National Workshop

Location: Grünwald (Germany)

Start date: 26th January 2011

End date: 27th January 2011

Organizing partner: FWU

Partners involved: FWU, University Koblenz, UNI-C)

Expected outcomes

First of all, the ASPECT project was presented and promoted at the workshop to make the results well known to the participants from all the states in Germany. The second goal was to discuss with the group the possibilities to set and maintain standards concerning metadata and content packaging in education throughout Germany. The outcome was that the group will work together to fulfill that target. Therefore it will probably meet again in autumn at the FWU.

Program of the event

Mittwoch, 26. Januar 2011, 13.30 – 18.00 h:

- Welcome (13.30-14.00)
- Begrüßung (ab 14.00)
- Vorstellung des ASPECT-Projektes (Dr. Susanne Friz, FWU) (15 Min)
- IMS Common Cartridge: Lerninhalte in neuer Verpackung (Lars Ingesman, UNI-C, Dänemark) (45 Min)
- Coffee Break (15 Uhr)
- "SCORM - ein Referenzmodell für Lerninhalte" (Patricia Heckmann, Universität Koblenz) (20-30 Min)
- Diskussion
- Abendprogramm (19.30)
Eierwiese

Donnerstag, 27. Januar 2011, 9.00 – 13.30 h:

- Neue Sichten auf „alte“ DVDs – SCORM-Pakete und Lernobjekte (Dr. Friedhelm Schumacher, FWU)

- QUESTION & TEST INTEROPERABILITY - QTI (Dr. Ingo Dahn, Universität Koblenz) (20-30 Min)
- Coffee Break (12 Uhr)
- Absprachen zu weiteren Kooperationen (evtl. mehrere Gruppen)

Target audience and scope

The participants mainly came from media centers or educational institutions. They are experts in the field of repositories, metadata and e-learning and help to set educational standards in those fields in the German “state” they come from.

List of participants

	Name	Institution
1	Bockelmann, Boris	PL Rheinland-Pfalz
2	Czaputa, Christian	ALP Dillingen
3	Dahn, Ingo	Universität Koblenz
4	Dr. Friz, Susanne	FWU
5	Dr. Joachim, Paul	MZ Rheinland, Düsseldorf
6	Dr. Schumacher , Friedhelm	Freier Mitarbeiter
7	Heckmann, Patricia	Universtität Koblenz
8	Homberg, Gerd	Universität Münster
9	Ingesmann, Lars	Universität Kopenhagen, Dänemark
10	Kersting, Herbert	LMZ Baden-Württemberg; Karlsruhe
11	Palm, Lothar	Medienberatung NRW; Düsseldorf
12	Rauch, Hans	AfL Hessen, Frankfurt
13	Sommermann, Uwe	ThILLM; Bad Berka

Pictures from the event



7.2.2.3 Event Report: French National Dissemination Workshop



ASPECT

WP4: Event Report

French National Dissemination Workshop

Event Report

French National Dissemination Workshop



Event data

Title of event: French National Dissemination Workshop

Type of event: Workshop

Location: Paris, France

Start date: 10th February 2011

End date: 10th February 2011

Organizing partner: CNDP

Partners involved: CNDP, VMG, EUN

Expected outcomes

This event was aimed at presenting some topics related to the ASPECT project:

- Standards and specifications for learning technologies such as ILOX LODE, SCORM, and Common Cartridge
- The toolset provided by the ASPECT project
- The Learning Resource Exchange (LRE)
- The Vocabularies in ASPECT

Program of the event

9h30	Accueil des participants	
10h	Ouverture du séminaire	Henri Kighelman, Directeur adjoint, CNDP Jean-Yves Capul, sous directeur des programmes d'enseignement, de la formation des enseignants et du développement numérique - DGESCO
10h15	Présentation du projet Vocabnomen	Marie-Christine Milot, chef de bureau des usages et services numériques, DGESCO
10h30	La problématique: les contenus numériques,	Rosa Maria Gómez de Regil,

	l'interopérabilité, la mutualisation, les normes des technologies éducatives	chargée de mission ASPECT - Vocabnomen, CNDP
10h45	Présentation du projet européen ASPECT et de ses services techniques	David Massart, European Schoolnet
11h45	Les normes d'accès et d'utilisation des contenus (ILOX LODE, LOM, LRE, LOMFR, ScoLOMFR, SCORM, Common Cartridge)	Rosa Maria Gómez de Regil, chargée de mission ASPECT - Vocabnomen, CNDP
12h30	Pause repas	
14h	Quelle gestion des vocabulaires ? - La banque des vocabulaires éducatifs ASPECT	Mike Collet, PDG, Vocabulary Management Group
15h	Retour d'expérience sur le pilote ASPECT (test de l'utilisation des normes par des enseignants européens)	Rosa Maria Gómez de Regil, chargée de mission ASPECT - Vocabnomen, CNDP
15h30	Pause	
15h45	Exemples d'implémentation des métadonnées et vocabulaires (schémas de métadonnées, entrepôts OAI, systèmes de recherche ...)	Erwan Le Gall Jérôme Martin Gérard Puimatto
16h45	Conclusions et échanges	
17h	Fin du séminaire	

Target audience and scope

Target audience

Personnel in charge of the regional ICT development, project managers, developers and any personnel interested in the description and mutualisation of digital educational resources.

Scope

The CNDP and the Ministry of Education (DGESCO – Direction Générale de l'Enseignement Scolaire) organised a workshop to present the work done within the ASPECT project and to exchange on the implementation of the ScoLOMFR application profile in France, recommended to describe the contents for the school level..

Today, many educational resources are available in the institutions websites, but they are not always visible because they are not well referenced. The educational technologies standards can help the different stakeholders to give access, to discover and to use the contents. The interoperability issues are highlighted.

List of participants

Philippe Roy	Académie d'Aix Marseille
Nathalie Derambure	Académie d'Amiens
Jean Marc Labat	Académie de Créteil
Louis Richer	Académie de la Martinique
Olivier Boudesco	Académie de Limoges
Pierre Mathieu	Académie de Limoges
Alain Blachair	Académie de Nancy-Metz
Clotilde Schestraete	Académie de Paris
Léonie Couthon	Académie de Paris

François Gabel	Académie de Strasbourg
Michel Vauzelle	Académie de Toulouse
Véronique Néret	Académie d'Orléans Tours
Rosa María Gómez de Regil	CNDP
Jérôme Martin	CNDP
Delphine Anis	CNDP
Henri Kighelman	CNDP
Nadia Nelson	CRDP académie de Créteil
Mohamed Moukawane	CRDP D'Amiens
Josiane Ducournau	CRDP d'Aquitaine
Pernine Barras	CRDP D'Auvergne
Géraldine Pinguet-Fortin	CRDP de Basse Normandie
Annie Lemesle	CRDP de Bourgogne
Jocelyne Martin	CRDP de Champagne Ardenne
Myriam Bernard	CRDP de Franche-Comté
Sévrine Autret	CRDP de Haute-Normandie
Gérard Puimatto	CRDP de l'académie d'Aix Marseille
Chris Boissin	CRDP de l'Académie de Créteil
Manuel Fernandez	CRDP de l'Académie de Dijon
Joëlle Gardien	CRDP de l'académie de Lyon
Christelle Rival	CRDP de l'académie de Lyon
Avigo Éve	CRDP de l'académie de Rennes
Mireille Lamouroux	CRDP de l'Académie de Versailles
Virginie Racine	CRDP de Paris
Daniel Vosgien	CRDP des Pays de la Loire
Marie-Christine Milot	DGESCO
Dorothee Danielewski	DGESCO
Blandine Raoul-Rea	DGESCO
Marie-Noëlle Cormenier	DGESCO
Erwan Le Gall	DGESCO
Corinne Martignoni	DGESCO
Michèle Elardja	DGESCO
Marion Audoubert	DGESCO
David Massart	EUN
Mike Collet	Vocabulary Management Group

Pictures from the event



7.2.2.4 Event Report: Standards for Digital Learning Resources



ASPECT

WP4: Event Report

Standards for Digital Learning Resources

Event Report

Standards for Digital Learning Resources



Event data

Title of event: Standards for Digital Learning Resources

Type of event: National Workshop

Location: Vermundsgade, Copenhagen

Start date: 21st February 2011

End date: 22nd February 2011

Organizing partner: UNI-C

Partners involved: UNI-C

Expected outcomes

This workshop was aimed at helping participants to:

- Apply standards and specifications for learning technologies to content.
- Understand the existing standards and specifications for learning technologies.
- Understand the work that was undertaken in the ASPECT project.

Program of the event

13:30 – 16:00














Standards for digital learning resources. Experiences and knowledge from the ASPECT-project (Adopting Standards and Specifications for Educational Content). Presentation by Lars Ingeman, UNI-C.

Target audience and scope

Publishers and content producers registered on Materialeplatformen, the Danish national repository for learning resources.

List of participants (44 attendees)

ASPECT, DK Monday 21 February 2011

Name	Company/Organization	Signature
LENE BAKKE-HANSEN Bettina U. Møller	Videnscentret for Døveblindebørn	
Charlotte Plum Jensen	Finansrådet	
Dorthe Lindris	Gyldendal	
Ingen navn	Didactica	
Katrine Amtoft	Gads Forlag A/S	
Laila S. Andersen	Det Kriminalpræventive Råd	
Lars Jensen	Solutors A/S	
lene tohse	Solutors A/S	
Lisbeth Lyngse	Manden med Cameraet	
Malene Michelsen	Unitas Forlag	
Malthe von Sehested	Gyldendal	
Mette Marcussen	SUS	
Ole Eskesen	Didactica	
Pernille Paltoft	SUS	
Peter Bræmer	Solutors A/S	
Sidsel Leth Svensson	Bibelselskabets Forlag	
Stine Nygaard	Dansk psykologisk Forlag	
Søren Bertelsen	Nyt Tekniskforlag og Erhvervsskolernes Forlag	
Troels Rydahl	Gyldendal	
UNI-C	Niklas Grønlund Lind	Organizer 
UNI-C	Leo Højsholt-Poulsen	Organizer 
UNI-C	Lars Ingemann	Speaker 

KRISTOFFER ASMUSEN CLIO ONLINE

7.2.2.5 Event Report: Second Portuguese National Workshop



ASPECT

WP4: Event Report
Second Portuguese National Workshop

Event Report
Second Portuguese National Workshop



Event data

Title of event: The Portuguese experience in two European projects: ASPECT and Scientix

Type of event: Workshop

Location: Directorate General for Innovation and Curriculum Development

Start date: 28 February 2011, 14h30

End date: 28 February 2011, 18h00

Organizing partner: DGIDC

Partners involved: DGIDC and EUN

Expected outcomes

Main objective: To make known to a wider public the results of the workshops undertaken by WP6 and to publicise Scientix among Portuguese teachers.

Expected outcomes:

- A better understanding of what ASPECT is about.
- To reflect on standards and specifications and the role they play in teachers' practice.
- To make the Scientix, the community for Science Education in Europe, more widely known.
- To disseminate the Portuguese participation in Scientix.

Program of the event

- What European teachers think of standards and specifications for educational content. Some results of the ASPECT Project - Agueda Gras-Velazquez, European Schoolnet
- Roundtable with Portuguese teachers who took part in the workshops for the evaluation of standards and specifications for educational content - Fernando Rui Campos, Helder Cacito, Miguela Fernandes, Rui Lima.
- Scientix: the community for Science Education in Europe - Agueda Gras-Velazquez, European Schoolnet.
- Scientix: the Portuguese experience - Carlos Cunha, Escola Secundária Dom Manuel Martins, Setúbal.

Target audience and scope

MST Teachers.

Staff of the Ministry of Education.

List of participants

Carlos Jorge Cunha
Fernando Rui Campos
Helder Cacito
João Vitor Torres
Jorge Borges
Júlio Biges
Lígia Azevedo
Maria Catarina Neves
Maria de Lourdes <u>Cabral</u> do Couto
Maria José Loureiro
Miguela Gomes Fernandes
Milena Jorge
Olga Sofia Cação
Ruben Aragão Pinto
Rui Manuel Lima
Sérgio Carreira Leal

Pictures from the event



7.2.3 International Workshops

7.2.3.1 Event Report: ASPECT VBE Dissemination Event



ASPECT

WP4: Event Report
ASPECT VBE Dissemination Event

Event Report

ASPECT VBE Dissemination Event



Event data

Title of event: ASPECT Vocabulary Bank for Education Dissemination Event

Type of event: Workshop

Location: The Wellcome Conference Centre, London, UK

Start date: November 26th, 2010

End date: November 26th, 2010

Organizing partner: VMG

Partners involved: VMG, JYU

Expected outcomes

This ASPECT event helped the participants to:

- Find out about the ASPECT project
- Understand the Vocabulary Bank for Education
- Learn how to use the Lexaurus Editor software to edit vocabularies

Program of the event

Program:

- 10:00 Registration
- 10:30 Introductions and objectives for the day
- 10:45 ASPECT project and services
- 11:15 VBE demonstration
- 11:45 Coffee
- 12:00 Lexaurus Editor
- 12:30 Interfacing with the VBE REST API
- 13:00 Project partner feedback
- 13:15 Discussions
- 13:30 Lunch
- 14:15 Example implementations
- 14:30 Customisation
- 14:55 Faceted classification
- 15:20 Modelling ontologies – discussion of ‘facets’ versus relationships
- 15:45 Summing up
- 16:00 Tea and biscuits
- 16:15 – 17:15

- One-to-one and group discussions
- Hands on use of Lexaurus Editor

Presentations were delivered by:

- Neil Smith - Director, Vocabulary Management Group
- Rob Tice - Technical Architect for Lexaurus and Director, Vocabulary Management Group
- Mike Collett - Director, Vocabulary Management Group
- Kati Clements - University of Jyväskylä
- Jos van der Arend - Kennisnet

Documents and presentations can be found at:

<http://www.vocman.com/news/vbe-event>

Target audience and scope

All interested stakeholders in the following issues:

- Using metadata in learning objects
- How learning objects can be aggregated in repositories

The use of standards in metadata and learning object aggregation

List of participants

Victoria Cowan	BBC
Alex Kidd	Becta
Anne McLellan	Bliss Events
Jerome Martin	CNDP
Rosa Maria Gomez de Regil	CNDP
Roger Greenhalgh	Harper Adams University College
Henk Nijstad	Kennisnet
Jos van der Arend	Kennisnet
Marie-Veronique Leroi	Ministry of Culture and Communication
George Sallows	Pearson Education
Jenny Hunt	Schemeta
Alma Taawo	Skolverket
Kati Clements	University of Jyväskylä
Mike Collett	VMG
Neil Smith	VMG
Rob Tice	VMG

7.2.3.2 Event Report: Strategic Seminar on Educational Publishing Futures



ASPECT

WP4: Event Report

Strategic Seminar on Educational Publishing Futures

Event Report

Strategic Seminar on Educational Publishing Futures



Event data

Title of event: Strategic Seminar on Educational Publishing Futures

Type of event: Workshop

Location: Brussels, Belgium

Start date: 17th February 2011

End date: 18th February 2011

Organizing partner: EUN

Partners involved: All ASPECT partners

Expected outcomes

In particular, the seminar examined:

- How Ministries of Education, educational publishers, content developers and learning platform vendors have been applying the new IMS Common Cartridge specification to K-12 content and testing these resources with teachers.
- How new tools and services from the ASPECT project enable public and private sector content developers to improve the metadata of their resources and make their content more easily discoverable.
- How, Ministries of Education are supporting the Interactive Whiteboard common file format in response to the growing demand in schools across Europe for interoperable IWB resources.
- How the market for eTextbooks and educational apps in schools may develop now that affordable tablet, smartphone and other mobile devices are becoming mainstream.
- How publishers and content developers can partner with European Ministries of Education and participate in the Learning Resource Exchange for schools.

Program of the event

The agenda for the seminar included plenary sessions and panel discussions from leading educational publishers and content developers, content standards' experts and ICT platform vendors. Satellite workshop sessions allowed delegates to look in more depth at some of the key technical and business issues impacting on educational publishing in the schools' sector. An exhibition area also enabled leading ICT vendors and publishers to showcase and present some of the latest content being made available to schools on a variety of platforms.

Target audience and scope

The seminar was held in a central Brussels venue and is free of charge. Attendance at the seminar (>120 delegates places) was by invitation only and was open to:

- Senior policy makers from European Ministries of Education and representatives from European Commission research programmes.
- Educational publishers and content developers.
- Learning platform and IWB vendors.
- Learning content authoring and tools' providers.

List of participants (159 attendees)

	First name	Last name	Organisation	Country
1	Rob	Abel	IMS Global Learning Consortium	USA
2	Julie	Angé	De Boeck	Belgium
3	Luis	Anido Rifón	University of Vigo	Spain
4	Pilar	Antolin	Ministry of Education	Spain
5	Jim	Ayre	European Schoolnet	Belgium
6	Tufan	Aytaç	Ministry of National Education	Turkey
7	Andreas	Baer	Association of Educational Publishers in Germany	Germany
8	Warwick	Bailey	Icodeon Ltd	United Kingdom
9	Burak	Baktir	SMART Technologies	Turkey
10	Robin	Ball	Cambridge University Press	United Kingdom
11	Patrick	Barry	The Educational Company of Ireland	Ireland
12	Vladimir	Batagelj	University of Ljubljana	Slovenia
13	Holger	Behm	Cornelsen Verlag	Germany
14	Alan	Bennett	Apple	United Kingdom
15	Alex	Bennett	Jolly Learning Ltd	United Kingdom
16	Anne	Bergman-Tahon	Federation of European Publishers	Belgium
17	Emilio	Bernabei	SMART Technologies	Canada
18	Iris	Blatterer	Verlag Jugend & Volk GmbH	Austria
19	Vaino	Brazdeikis	Centre of IT in Education	Lithuania
20	Doug	Brown	Chair, EUN Policy and Innovation Committee	United Kingdom
21	Florin	Burcea	Siveco	Romania
22	Stephanie	Burton	Centre Fri-tic, HEP Fribourg	Switzerland
23	Fernando	Campos	D.G.I.D.C.	Portugal
24	Federico	Carozzi	Acer	Italy
25	Ramon	Casals	Editorial Casals, S.A.	Spain
26	Mirian Olga	Cecilia	ITE - Ministry of Education	Spain
27	Petr	Chalus	DZS	Czech Republic
28	Stephane	Chaudron	European Schoolnet	Belgium

29	Grégory	Choisel	eInstruction	France
30	Steen	Clausen	DYMO Mimio	United Kingdom
31	Peter	Claxton	SMART Technologies	United Kingdom
32	Kati	Clements	University of Jyväskylä	Finland
33	Gianfranco	Congiu	Giunti Scuola	Italy
34	Pascal	Craeye	EduCentrum / Klascement	Belgium
35	David	Daenekint	De Boeck	Belgium
36	Ingo	Dahn	University Koblenz-Landau	Germany
37	Jan	De Craemer	Flemish Ministry of Education & Training	Belgium
38	Hans	de Four	EduCentrum / Klascement	Belgium
39	Davy	De Rijbel	SMART Technologies	Belgium
40	Stephan	de Valk	Noordhoff Uitgevers	The Netherlands
41	Jean-Marie	Delmotte	Averbode Publishers	Belgium
42	Marc	Devijver	Plantyn	Belgium
43	Paul	Dolk	Apple	The Netherlands
44	Marc	Durando	European Schoolnet	Belgium
45	Boris	Duris	Ministry of Education, Science, Research and Sport	Slovakia
46	Serkan	Düzgün	Ministry of National Education	Turkey
47	Ramon	Eixarch	Maths for More	Spain
48	Will	Ellis	European Schoolnet	Belgium
49	Estefania	Fuentes	RegionExpert.com	Belgium
50	Brian	Gilsenan	CJ Fallon	Ireland
51	Rosa Maria	Gómez de Regil	CNDP	France
52	George	Gooderham	TeamBoard Inc.	Canada
53	Agueda	Gras	European Schoolnet	Belgium
54	Martin	Hall	RM Lightbox	United Kingdom
55	Christine	Hauck	Cornelsen Verlag	Germany
56	Jamie	Hedges	SMART Technologies	
57	Bart	Hendrickx	Questionmark	Belgium
58	Brian	Holmes	Executive Agency for Education, Audiovisual and Culture	Belgium
59	Michael	Hövel	Easisoft GmbH	Germany
60	Sabine	Huber	Intel	Germany
61	Lars	Ingesman	UNI-C	Denmark
62	Geoff	Jackman	DYMO Mimio	United Kingdom
63	Elina	Jokisalo	European Schoolnet	Belgium
64	Marek	Juraszek	Young Digital Planet	Poland
65	Peter	Karlberg	Skolverket	Sweden
66	Matija	Karlovšek	Rokus Klett Publishing House	Slovenia
67	Alex	Kidd	Becta	United Kingdom
68	Nicholas	Kind	Macmillan Education	United Kingdom
69	John	Kleeman	Questionmark	United Kingdom

70	Joris	Klerkx	Katholieke Universiteit Leuven	Belgium
71	Kurt	Klynen	Apple	Belgium
72	Simona	Knez	Modrijan založba	Slovenia
73	H-P	Köhler	Kennisnet	The Netherlands
74	Milena	Konstantinova	Prosveta Publishing House	Bulgaria
75	Noam	Koriat	Ministry of Education, Israel	Israel
76	Vasja	Kožuh	DZS, d.d.	Slovenia
77	Janusz	Krupa	Ministry of National Education	Poland
78	Eugenijus	Kurilovas	Centre of IT in Education	Lithuania
79	Dorota	Kurowska	Ministry of Education	Poland
80	Steen	Lassen	Ministry of Education	Denmark
81	Dung	Le	European Schoolnet	Belgium
82	Ngoc Anh	Le Thi	Hanoi Medical University	Vietnam
83	Marie	Leboniec	European Schoolnet	Belgium
84	Karl	Lehner	Ministry of Education	Austria
85	Johannes	Lessmann	HERDT-Verlag fuer Bildungsmedien	Germany
86	Catherine	Lucet	Editis Education & Reference	France
87	Karen	Mahon	DYMO Mimio	USA
88	David	Massart	European Schoolnet	Belgium
89	Lisa	Mattson	IMS Global Learning Consortium	USA
90	Bertrand	Mellah	Acer	France
91	Poul Henrik	Mikkelsen	Systime Publishing	Denmark
92	Chris	Miller	Apple	United Kingdom
93	Emin	Mkrtchyan	Zangak-97 Publishing House	Armenia
94	Jerome	Morrissey	National Centre for Technology in Education	Ireland
95	Alexandra	Mounier	eInstruction	France
96	José	Moura Carvalho	DGIDC - MoE	Portugal
97	Cristina	Mussinelli	Associazione Italiana Editori	Italy
98	Bruce	Neale	Pearson Education	United Kingdom
99	Maria	Nikolaidou	Lab of Medical Informatics Medical School, AUTH	Greece
100	Nikolina	Nikolova	University of Sofia	Bulgaria
101	Laurent	Odic	eInstruction	France
102	Mark	O'Neill	Blackboard	USA
103	Delia	Oprea	Siveco	Romania
104	Per Christian	Opsahl	The Norwegian Publishers Association	Norway
105	Paul	Osborn	Panasonic	United Kingdom
106	Stephanie	Ottenheijm	Kennisnet	The Netherlands
107	Giuseppe	Petito	Business Solutions Europa	United Kingdom
108	Brennan	Peyton	Panasonic	United Kingdom
109	Karine	Picque	Panasonic	France
110	Artur	Polanski	Young Digital Planet	Poland

111	Jacek	Popko	Oxford University Press Polska	Poland
112	Senja	Požar Horvat	Mladinska knjiga Educational Publishing	Slovenia
113	Garry	Pratt	Teachit	United Kingdom
114	Ed	Prosser		United Kingdom
115	Bernhard	Racz	ENIS Austria	Austria
116	Jens Erik	Rasmussen	Mikro Værkstedet	Denmark
117	Darius	Ratkevicius	Sviesa Publishing House	Lithuania
118	Jelka	Razpotnik	Rokus-Klett Publishing House	Slovenia
119	Rolf	Reinhardt	EFQUEL	Belgium
120	Mark	Robinson	Promethean	United Kingdom
121	Sebastien	Rodelet	Editions Didier	France
122	Marc	Röder	European Commission	Belgium
123	Zoe	Rose	Cambridge University Press	United Kingdom
124	Teuvo	Sankila	Otava Publishing Company	Finland
125	Matthias	Scheja	Fronter	Germany
126	Martina	Schoberova	Europeana	The Netherlands
127	Peter	Scott	Open University	United Kingdom
128	Philippe	Selke	Editions Van In	Belgium
129	Kimberly	Serlet	De Boeck	Belgium
130	Elena	Shulman	European Schoolnet	Belgium
131	Vanja	Sikic	Profil International	Croatia
132	Rowan	Simms	Apple	United Kingdom
133	Neil	Smith	Vocabulary Management Group	United Kingdom
134	Colin	Smythe	IMS Global Learning Consortium	United Kingdom
135	Morten	Søby	The Norwegian Centre for ICT in Education	Norway
136	Søren Peter	Sørensen	Systime Publishing	Denmark
137	Preben	Späth	European Educational Publishers Group	Denmark
138	Silvia	Spinoso	European Schoolnet	Belgium
139	Mihai	Stanca	Siveco	Romania
140	Malgorzata	Szybalska	Ministry of National Education	Poland
141	Katrien	Talpe	DYMO Mimio	Belgium
142	Graham	Taylor	The Publishers Association	United Kingdom
143	Vasco	Teixeira	Porto Editora	Portugal
144	Bas	Ten Holter	IMS Global Learning Consortium	
145	Richard	Teversham	Apple	United Kingdom
146	Leonardo	Tosi	INDIRE	Italy
147	Ján	Trubač	AGEMSOFT, a.s.	Slovakia
148	Enrico	Turrin	Federation of European Publishers	Belgium
149	Edward	Upton	Teachable	United Kingdom
150	Vicky	Vermeulen	die Keure	Belgium
151	Anna	Vicens	Editorial Vicens Vives	Spain

152	Rickard	Vinde	Swedish Association of Educational Publishers	Sweden
153	Riina	Vuorikari	European Schoolnet	Belgium
154	Crispin	Weston	SALTIS	United Kingdom
155	Owen	White	Pearson Education	United Kingdom
156	Tobias	Windbrake	SMART Technologies	Germany
157	Dov	Winer	Makash	Israel
158	Jaco	Zijlstra	Noordhoff Uitgevers BV	The Netherlands
159	Karel	Zova	Tiger Leap Foundation	Estonia

Pictures from the event





7.2.4 Conferences

7.2.4.1 Event Report: ASPECT at SE@M 2010



ASPECT

WP4: Event Report
ASPECT at SE@M 2010

Event Report

ASPECT Report at SE@M 2010



Event data

Title of event: Fourth International Workshop on Search and Exchange of e-le@arning Materials (SE@M'10)

Type of event: Workshop

Location: Barcelona, Spain

Start date: September 27th, 2010

End date: September 28th, 2010

Organizing partner: EUN

Partners involved: EUN, VIGO

Expected outcomes

Workshop Proceedings will be published on CEUR.

Program of the event

MONDAY 27 SEPTEMBER:

13:00-13 :10 Arrival and Coffee

13:10-13 :20 Welcome - David Massart and Elena Shulman, European Schoolnet (Belgium)

13:20-14:00 Opening keynote: Daniel Rehak, Advanced Distributed Learning ADL, (USA) - Digital Content Manifesto

14:00-14:40 Repository Services for Outcome Oriented Learning: Michael Totschnig, Michael Derntl, Israel Gutiérrez, Jad Najjar, Roland Klemke, Joris Klerkx, Franz Müller

14 :40-15:20 Coffee break

15:20-16:00 The Ariadne Registry of LORs: Jose Luis Santos, Joris Klerkx, and Erik Duval

16:00-16:40 Filtering Bots from the Edurep Query Logs: Wim Muskee

16 :40-17:20 IMS Learning Object Discovery and Exchange: David Massart and Elena Shulman, EUN

17 :20- 18:00 Handling Multiple Metadata Streams Regarding Digital Learning Material: Jasper Roes, Jeroen van Vuuren, Nico Verbeij and Henk Nijstad

18:00 Discussion

TUESDAY 28 SEPTEMBER

10 :15 Welcome

10 :20-11:00 Managing Broken URLs in Federated Metadata

Tien-Dung Le and Elena Shulman

11 :00-11 :40

Towards a Digital Curation Framework for Learning Repositories: Issues & Considerations

Nikos Palavitsinis, Nikos Manouselis and Salvador Sanchez

11 :40- 12:20 Automatic Keywords Extraction – A Basis for Content Recommendations

Ivana Bosnic, Katrien Verbert and Erik Duval

12:20-13:20 Lunch

13:20-14:00 Conversion of the YDP Learning Content to Common Cartridge Packages

Jaroslav Dziedzic

14 :00-14:40 Authoring for Re-use in Outcome-oriented Learning Scenarios

Roland Klemke, Birgit Schmitz

14 :40-15:20 Exploring Quality Issues in the Use of LOs: To Tag or Not to Tag?

Rune Hjelsvold, Jingjing Fan, Yngve Nordkvelle, and Kjell Are Refsvik

15 :20-15:40 Coffee

15 :40-16:20 Educational Resources Packaging Standards SCORM and IMS Common

Cartridge - Users point of view

Kati Clements, Àgueda Gras-Velázquez, Jan Pawlowski

16:20-17:00 Closing keynote

Riina Vuorikari, European Schoolnet (Belgium) - eQnet and Learning Object Quality

17 :00 - Closing of the day

Target audience and scope

To further developments in this field, the main goal of this international workshop is to offer a forum where researchers and practitioners can discuss theoretical aspects, open issues, and innovative approaches and share the latest advances in the state of the art and practices for exchanging and describing learning content.

List of participants (37 participants)

Silvia Panzavolta, ANSAS, Italy

Cristina Vaquer, Universitat Oberta de Catalunya, Spain

Joris Klerkx, Post-doctoral researcher, Katholieke Universiteit Leuven, Belgium

Michael Totschnig, Senior researcher, Wirtschaftsuniversität Wien, Austria

Hristo Chukurliev, New Bulgarian University, Bulgaria

Jaroslav Dziedzic, Senior programmer, Young Digital Planet (YDP), Poland

Roland Klemke, Researcher, Open University Netherlands, The Netherlands

Yosuke Morimoto, Associate Professor, The Open University of Japan, Japan

Tsuneo Yamada, Professor, The Open University of Japan, Japan

Artur Polanski, Senior project manager, Young Digital Planet (YDP) Poland

Katja Niemann, Researcher, Fraunhofer Institute for Applied Information Technology, Germany

Tien-Dung Le, Senior Developer, EUN, Belgium

Robert Kristöfl, Head of IT-Department, Federal Ministry of Education, Austria

Ivana Bosnic, Research assistant, University of Zagreb, Faculty of Electrical Engineering and Computing, Croatia

José Luis Santos, Researcher, Katholieke Universiteit Leuven, Belgium

Jeroen van Vuuren, Senior Consultant, Verdonck, Klooster & Associates, The Netherlands

Eugenijus Kurilovas, Head of the Department, ITC MoE, Lithuania

Rune Hjelsvold, Professor, Gjøvik University College, Norway

Henk Nijstad, sr. product mng, Kennisnet, The Netherlands

Theo Zijlmans, Technical Product Manager, Kennisnet, The Netherlands

Wim Muskee, Implementation Engineer Edurep, Kennisnet Foundation, The Netherlands
Jasper Roes, Consultant, TNO Information and Communication Technology, The Netherlands
Emilio July, Lorenzo Galgo, U.N.E.D., Spain
Sara Arjona, UPCnet, Spain
Nikos Palavitsinis, Assistant Project Manager – Researcher, Greek Research & Technology Network, Greece
Lampros Stergioulas, Brunel University, United Kingdom
Rosa Maria Gómez de Regil, Chargée de mission recherche et développement, CNDP France
Katrien Verbert, KUL, Belgium
Vassiliki Ntai, High School of Vartholomio, Greece
Alma Taawo (remote participant)
Fredrik Paulsson, Umea University, Sweden
Àgueda Gras-Velázquez, Science Programme manager, EUN, Belgium
Patrick Lockley, Learning Support Development Officer, The University of Nottingham, United Kingdom
Elena Shulman, EUN, USA
Daniel Rehak, ADL, USA
Riina Vuorikari, EUN, Belgium
David Massart, EUN, Belgium

Pictures from the event





7.2.4.2 Event Report: ASPECT at EdReNe 2010



ASPECT

WP4: Event Report
ASPECT at EdReNe 2010

Event Report

EdReNe



Event data

Title of event: ASPECT Special Session at EdReNe

Type of event: Conference

Location: Copenhagen, Denmark

Start date: October 6th, 2010

End date: October 7th, 2010

Organizing partner: Edrene Network members (not organized by ASPECT)

Partners involved: JYU, DGIDC, INDIRE, CNDP, EDUC

Expected outcomes

The seminar presented and discussed EdReNe's recommendations and experiences on repository strategies, the engagement of users and producers, relevant standards to ensure interoperability, and handling of intellectual property rights.

Program of the event

Wednesday, October 6 th 2010		
09.00	Welcome Introduction to EdReNe	UNI•C's management Leo Højsholt-Poulsen, UNI•C
09.20	<i>Opening keynotes – Danish perspectives</i> Finding digital (learning) resources and various ways of using them User-Driven Innovation of Digital Learning Materials	Karin Levinsen, The Danish School of Education, Aarhus University Marie Falkesgaard Slot, The National Knowledge Centre for Designs for Learning, Denmark
10.40	Coffee	
11.00	<u>EdReNe's recommendations on</u> <i>Standards and interoperability,</i> <i>Rights issues,</i> <i>Repository strategies, and</i> <i>Engaging users and producers</i> Group discussion – which recommendations do I miss?	Tommy Byskov Lund, regional manager, NTS-center Midtjylland Participants
12.00	Lunch	Participants
13.00	<i>The connection between the learning object and the learning line, the curriculum I (see below table *)</i>	Introduction, Henk Nijstad, Kennisnet

	<p>Learning line & vocabulary developments in The Netherlands Opening up the curriculum</p> <p>International examples of learning trajectories <i>Experiences from professional educational publishers</i> Pearson</p> <p>Systime ConDidact</p>	<p>Allard Strijker, SLO, and Henk Nijstad, Kennisnet Diny Golder, Executive director, JES & Co., USA Leonie Verhoeff, Kennisnet</p> <p>Roger Larsen, SVP of Market Development and Strategy, Pearson education platforms, Founder of Fronter Danish educational publishers: Claes Sønderriis, Systime Kim Conrad Petersen, ConDidact</p>
15.30	Coffee in discussion groups	Participants
16.30	<p><i>EdReNe success stories</i> KlasCement, Belgium www.schule.at/www.eduhi.at, Austria GOLD, Italy</p>	<p>EdReNe members Hans de Four, KlasCement Astid Leeb, EduHi Silvia Panzavolta and Antonella Turchi, ANSAS/Indire</p>
17.30	First day finishes	
20.00	Seminar Dinner – Spiseloppen, Christiania Bådsmadsstræde 43, 1407 København K	EdReNe members

Thursday, October 7 th 2010		
09.00	<p><i>EdReNe – role and opportunities</i> EfL – Europeana for Learning, a proposal for the EC Discussion</p>	<p>Andrew Kitchen, Becta</p> <p>Members</p>
10.00	<p><i>The connection between the learning object and the learning line, the curriculum II</i> Connecting digital learning resources and personal development plans to the curriculum through the use of sw-technology <i>How EdReNe repositories link to curriculum</i> Materialeplatformen, Denmark (other repositories)</p>	<p>Fredrik Paulsson, IML</p> <p>EdReNe repository owners Michael Viskum, UNI•C</p>
10.40	Coffee	
11.00	<p><i>New members and News from members</i> New French initiatives and curriculum linking</p> <p>ASPECT: teachers' experiences with Common Cartridge Lithuanian ASPECT content Becta's assets and work stream exit plans Update on the Share.TEC project Federated searches from multiple repositories</p>	<p><i>EdReNe members</i> Rosa María GÓMEZ DE REGIL, CNDP Kati Clements, EUN</p> <p>Asta Buineviciute, ITC Andrew Kitchen, Becta Fred de Vries, Share.TEC Patrick Coffey, NCTE</p>

	into Scoilnet Latest from Sweden Status and plans in Portugal (More news) Updating the current status of European educational repositories	Peter Karlberg, Skolverket Jose Moura Carvalho, DGIDC (other members) EdReNe members
13.00	Lunch	Participants
14.00	Seminar finishes	
14.00	EdReNe management board meeting	EdReNe board members
- 15.00		

Target audience and scope

The target audience included members of the EdReNe thematic network and interested stakeholders.

List of participants

Allard Strijker	SLO	Netherlands
Andrew Kitchen	Becta	UK
Anne-Marie Pedersen	UNI-C	Denmark
Anne-Mette Wahlberg	Alinea	Denmark
Antonella Turchi	Indire/ANSAS	Italy
Asta Buineviciute	ITC	Lithuania
Astrid Leeb	Education Highway	Austria
Bernhard Racz	ENIS	Austria
Bernt Hubert	UCC University College Capital	Denmark
Bjarne Købmand Petersen	University College Sjælland	Denmark
Claes Sønderris	Systime	Denmark
Diny Golder	JES @ Co.	USA
Fred de Vries	Share.Tec	Netherlands
Fredrik Paulsson	IML	Sweden
Hans De Four	klascement.be	Belgium
Hans de Vries	SLO	Netherlands
Henk Nijstad	Kennisnet	Netherlands
Jakob Birklund Andersen	UVM	Denmark
Jens Erik Rasmussen	Mikro Værkstedet	Denmark
José Moura Carvalho	DGIDC	Portugal

Karin Levinsen	The Danish School of Education, Aarhus University	Denmark
Kati Clements	University of Jyväskylä	Finland
Kim Conrad Petersen	Condidact	Denmark
Lars Juul Jensen	Con-Didact/BFU	Denmark
Leo Højsholt-Poulsen	UNI-C	Denmark
Leonie Verhoeff	Kennisnet	Netherlands
Marie Falkesgaard Slot	The National Knowledge Centre for Designs for Learning	Denmark
Michael Viskum	UNI-C	Denmark
Niklas Grønlund Lind	UNI-C	Denmark
Patrick Coffey	NCTE	Ireland
Peter Karlberg	Skolverket	Sweden
Poul Tang	UNI-C	Denmark
Reinhold Hawle	BMUKK	Austria
Roger Larsen	Pearson	Norway/UK
Rosa Maria Gómez de Regil	CNDP	France
Silvia Panzavolta	Indire/ANSAS	Italy
Sindre Wolf	IKT-senteret	Norway
Thomas Lumplecker	Education Highway	Austria
Thomas Meloni Rønn	Forlaget Meloni/BFU	Denmark
Thomas Wilckens	Dansk Teaterforlag/BFU	Denmark
Tommy Byskov Lund	NTS-center Midtjylland	Denmark
Torben Piil	Gyldendal	Denmark

7.2.4.3 Event Report: ASPECT at the Frankfurt Book Fair



ASPECT

WP4: Event Report

ASPECT at the Frankfurt Book Fair

Event Report

ASPECT Briefing at Frankfurt Book Fair



Event data

Title of event: Making Learning Content Standards Work for You!
An ASPECT briefing at the Frankfurt Book Fair

Type of event: Workshop

Location: Mercure Hotel & Residence, Voltastrasse 29, Frankfurt / Main

Start date: 7 October 2010

End date: 7 October 2010

Organizing partner: Young Digital Planet

Partners involved: Aspect, European Schoolnet (EUN)

Expected outcomes

Introduce new partners to ASPECT project and let them understand:

- How ASPECT content partners such as Young Digital Planet are developing best practice approaches to implementing content standards such as SCORM and the new IMS Common Cartridge specification.
- How 40 teachers have responded to using resources that have been 'packaged' by ASPECT content developers using both SCORM and Common Cartridge standards.
- How publishers and content developers can benefit from ASPECT tools and support services that include: a Vocabulary Bank for Education; Application Profile registry; automatic translation service for LOM and content packaging formats; compliance testing; metadata transformer services; access to standards' experts.
- How you can participate in ASPECT workshops and plugfests.

Program of the event

12.00	Registration and buffet lunch
13.00	ASPECT background and objectives
13.15	Using ASPECT tools to implement learning content standards - from content creation to delivery. Lars Ingsman, UNI•C
13.45	How publishers can benefit from implementing learning content standards – the experience of Young Digital Planet in the ASPECT project Artur Polanski, Young Digital Planet

- 14.15 **What teachers are saying about learning content standards – results of the ASPECT work with 40 schools in Belgium, Lithuania, Portugal and Romania.**
 Agueda Gras-Velazquez, European Schoolnet
- 14.45 **How do standards affect the educational publishing industry?**
 Panel discussion
- 16.00 Close of briefing

Target audience and scope

Aspect contacts:

Becta

Intrallect

Teachable.net

Medikidz Ltd

Ransom publishing

Badger Publishing Ltd

Teachit (UK) Ltd

Immersive education

Lion Hudson Plc

Macmillan Ltd

TTS Group

Brandbooks Ltd

The British Library

Optimus Education

Epic

NEN Consultant <http://www.nen.gov.uk/>

Harcourt Education

Pentathol Publishing - Educational Publishers Association (UK)

Encyclopaedia Britannica (UK) Ltd or Encyclopaedia

Britannica Inc.

Dunelm eLearning

Hachette Livre UK Group

Capstone Global Library Ltd

Cambridge University Press

Cengage Learning EMEA

ECO Publishing International Ltd

Christian Education Publishers

Sage Publications Ltd

iCould www.icould.com

Gatehouse Media Ltd

SALTIS www.saltis.org

Hinton House Publishers Ltd

Riverdeep

Edinburgh University Press

Folens Publishiner Ltd

Educational Planning Books
Commonwealth Secretariat
Letterland Limited
Rising Stars UK Ltd
Facet Publishing (formerly Library Association Publishing)
MP Publishing Ltd
Schoolplay Productions Ltd
Learning Together
Intuitive Media
Galore Park Publishing Ltd
Pearson Education
Vivid Interactive
Open Gate Press
Nelson Thornes Publishers Ltd
English and Media Centre
Scolastic UK Group Ltd
Crick Software
Express Publishing Ltd
Learnthings
HarperCollins Publishers Ltd
SUMS Online Ltd
ISTE LTD
Ditto International Ltd
IT Governance Ltd
Common Sense Media, Inc.
Real Projects
T&F Informa Plc
MGA Education Ltd
James Clark & Co. Ltd
Cleveratom Ltd
Espresso
McGraw-Hill Publishing Company
Granada Learning Ltd
Jolly Learning
EMS Publishing
Oxford University Press
Adverbium S.A.R.L.
Editons Bertrand Lacoste
Editions M-Editer
Réunion Des Musées Nationaux
Editions Héloïse d'Ormesson
aden
Editions Milan
Editis
Ocean Editions
Pierre Astier & Associates Agency

Editions Didier
Agence Littéraire Lora Fountain & Associates
Editions Ophrys
Salvator Yves Briend Editeur S.A.
Editions Eyrolles
Editions Retz
Editions Deniere
Editions de l'Homme
Dunod
Editions Quae
Andre Editions
Albin Michel
Auralog- Tell Me More
Eden Livres
Bordas-Natan
Editions Robert Laffont
Editions Vuibert
Editions Le Pommier
Educatop
Editions Triades
Editons Magnard
Editions Belin
Editions Galilee
Numilog
Cépaduès Editions
Michelle Lapautre Literary Agency
Editons Duteil
Editions Foucher
Circle Education
Les Editions Du Mouton Cerise
Encyclopaedia Universalis
Editions Grasset et Fasquelle
Editions Breal
Editions du Cerf
Editions EP&S
fayard
Culturesfrance
Flammarion
M.F.G. Education
Editions Sedrap
Fontaine Picard
Gallimard Jeunesse
De Boeck
Hachette Education
Centre d'Exportation du Livre Français (C.E.L.F.)
Editions Epicure

La Martinière Jeunesse
Side Société Internationale de Diffusion et d'Édition
Hatier jeunesse
Bureau International de l'Édition française (BIEF)
Éditions Fontaine Picard
Pirouettes Éditions
Éditions Perrin
Larousse
Éditions Cigale
Akademie & Verlag Grüning, Christian Grüning
AOL-BUECHER.de
Arbeitsmittelwerkstatt
Arnulf Betzold GmbH
Auer Verlag
Aulis Verlag Deubner & Co.KG
Bildungsverlag 1 an EEH business
Bubu-Verlag Anton Herrndobler
CARE-LINE Verlag GmbH
Carlsen Verlag
CC Buchner
Cornelsen Verlag GmbH & Co
Daedalus Verlag Joachim Herbst
Deutscher Taschenbuch Verlag GmbH & Co.KG
Dreieck Verlag
Duden Schulbuchverlag
Due Verlag
Elbi-Verlag GmbH
Ernst Klett Verlag GmbH
Favorit-Verlag Huntemann + Markus U. Co. GmbH
Ferdinand Dümmlers Verlag
Finken-Verlag GmbH
Friedrich Verlag
Friedrich-Ebert-Stiftung
German University Press (GUP) Baden-Baden
Germany - German Collective And Frankfurt Book Fair
Giovanni Grippo Verlag
Hagemann GmbH Lehrmittelverlag
Hermann Luchterhand Verlag GmbH
Julius Beltz GmbH & Co.KG
Justus Perthes Verlag Gotha GmbH
Kallmeyer'sche Verlagsbuchhandlung
Karl Heinrich Mösel Verlag
Kaufmann Verlag
Langenscheidt KG
Lesebaum Verlag
Martin Meidenbauer Verlagsbuchhandlung

MedienWerkstatt
Merkur Verlag Rinteln Hutkap GmbH Co.KG
Mildenerger Verlag GmbH
Militzke Verlag GmbH
Neckar Verlag
Pearson Education Deutschland GmbH
Persen Verlag GmbH
Phillipp Reclam jun. Verlag GmbH
Pons
Promethean
R. Oldenbourg Verlag GmbH
Repo
RitterbachVerlag GmbH
Schroedel Schulbuchverlag GmbH
Schubi Lernmedien GmbH
Shashika Fernando ulme-mini-verlag
Spectra-Lehrmittel-Verlag GmbH
Stark Verlag
Stephan Hutt Verlag
Stiefel - Wandkartenverlag
Stockmann-Buchverlag + Neue Medien GmbH + Co.KG
Tenea Verlag Ltd. ZN Deutschland
Verlag an der Ruhr
Verlag Antje Kunstmann
Verlag Ferdinand Schöningh GmbH
Verlag für Deutsch GmbH
Verlag Heinrich Vogel
Verlag Herder GmbH & Co.KG
Verlag Jörg Dendl
Verlag Ludwig Schulbuch
Verlag Moritz Diesterweg GmbH & Co.
Volk und Wissen Verlag GmbH Kamp Schulbuchverlag
Westermann Schulbuchverlag GmbH
Zebibuecher

YDP contacts:
International Group of Educational Publishers

Gyldendal

Klareboderne 3, 1001 Copenhagen K, Denmark

WSOY

Sanoma Corporation

Ludviginkatu 6–8 P.O. Box 1229 00101 Helsinki, Finland

Editis

26, avenue des Champs-Élysées 75383 Paris cedex 08, France

Ernst Klett Verlag GmbH

Rotebühlstraße 77 70178 Stuttgart, Germany

Námsgagnastofnun

Laugavegur 166, 105 Reykjavík, Iceland

Loescher Editore S.r.l.

Via Vittorio Amedeo II, 18 10121 Torino, Italy

Zanichelli editore S.p.A.

Via Innerio 34 40126 Bologna, Italy

KUNNSKAPSFORLAGET

Postbox 6736, St. Olavs plass, 0130 Oslo, Norway

H. Aschehoug & Co.

Box 363 Sentrum 0102 Oslo, Norway

Porto Editora

Rua da Restauração, 365 4099-023 Porto, Portugal

Young Digital Planet S.A.

Ul. Słowackiego 175, 80-298 Gdansk, Poland

Wydawnictwo LektorKlett Sp. z o.o.

60-401 Poznań ul. Polska 114, Poland

Liber AB

113 98 Stockholm, Sweden

Cambridge University Press

The Edinburgh Building Shaftesbury Road Cambridge CB2 8RU United Kingdom

YDP has also contacted dozens of their present business contacts and companies which might become their partners in the near future.

List of participants

Registered:

1. Robert KUC, LektorKlett, IGEP
2. Vasco TEixeira, Porto editora, IGEP
3. Sintija Buhanovska, Zvaigzne ABC Publishers
4. Vija Kilbloka, Zvaigzne ABC Publishers
5. Slawomir Czarko-Wasiutycz
6. Antonio Garrido, Edebe
7. Daniel Corona, Edebe

8. Esteban Lorenzo, Edebe
9. Maria Banal , Edebe (?)
10. Kina Andreeva, Prosveta Publishing House, Bulgaria
11. Mrs. Tomova, Prosveta Publishing House, Bulgaria

Present:

1. Robert KUC, LektorKlett, IGEP
2. Vasco TEixeira, Porto editora, IGEP
3. Sintija Buhanovska, Zvaigzne ABC Publishers
4. Vija Kilbloka, Zvaigzne ABC Publishers
5. Slawomir Czarko-Wasiutycz
6. Esteban Lorenzo, Edebe
7. Kina Andreeva, Prosveta Publishing House, Bulgaria
8. Mrs. Tomova, Prosveta Publishing House, Bulgaria
9. James England, CUP

7.2.4.4 Event Report: ASPECT at EMINENT 2010



ASPECT

WP4: Event Report
ASPECT at EMINENT 2010

Event Report

ASPECT at EMINENT 2010



Event data

Title of event: ASPECT workshop at EMINENT 2010

Type of event: Workshop

Location: Copenhagen, Denmark

Start date: November 8th, 2010

End date: November 8th, 2010

Organizing partner: EUN

Partners involved: EUN, UNI-C

Expected outcomes

This ASPECT workshop helped participants to:

- Understand how existing standards and specifications can be applied to learning objects.
- Learn how to use ASPECT infrastructure and toolset, specially the Learning Resource Exchange.

Program of the event

ASPECT and Learning Resource Exchange: applying standards to support learning content interoperability and exchange.

Speakers: Dr. David Massart, Dr. Agueda Gras-Velazquez and Jim Ayre, European Schoolnet; Lars Ingeman, Senior Consultant, UNI-C; Dini Golder, Executive Director, JES & CO

Target audience and scope

All interested stakeholders in the following issues:

- Using metadata in learning objects
- How learning objects can be aggregated in repositories
- The use of standards in metadata and learning object aggregation

List of participants (50 attendees)

What follows is a list of the attendees to the conference:

Last name	First name	Organisation	Country
Accolla	Emanuele	Acer	Italy
Aguiló	Carles	Maths for More	Spain
Airošius	Norbertas	Teacher	Lithuania
Albrechtsen	Peter	Teacher	Denmark
Andersen	Lars	Acer	Denmark
Andresen	Bent B.	Aarhus University	Afghanistan
Anttila	Kirsten M.	University College, UCC - Centre for International Relations	Denmark
Aristei	Maria Teresa	Teacher	Italy
Arnesson	Jonas	Teacher	Sweden
Aspling	Patrick	Teacher	Sweden
Augustsson	Ewa	Project manager	Sweden
Auramo	Sari	Teacher	Finland
Ayre	Jim	European Schoolnet	United Kingdom
Bačnik	Andreja	National Education Institut	Slovenia
Bagriyanik	Tarik	Teacher	Turkey
Baile	Jose Javier	Teacher	Spain
Bakken	Bjørn Terje	Det Norske Samlaget	Norway
Balanskat	Anja	European Schoolnet	Belgium
Baldini	Domizio	Teacher	Italy
Bannister	Diana	University of Wolverhampton	United Kingdom
Barras	Jean-Luc	Educa.ch Swiss Agency for ICT in Education	Switzerland
Bártlová	Ivana	Teacher	Czech Republic
Ben Israel	Hai	Fourier Systems	Israel
Ben Nun	Miki	Fourier Systems	Israel
Bengtsson	Annika	Teacher	Sweden
Bennett	Alan	Apple Europe	UK
Berg	Claus	UNI-C	Denmark
Berge	Ola	The Norwegian Centre for ICT in Education	Norway
Biondi	Giovanni	Chair of European Schoolnet	Italy
Blahova	Viera	Ministry of Education	Slovakia
Blamire	Roger	European Schoolnet	Belgium
Brazdeikis	Vaino	Centre of Information Technologies of Education	Lithuania
Brdička	Bořivoj	Charles University	Czech Republic
Brignone	Iole	Teacher	Italy
Brimioul	Peter	KlasCement	Belgium

Brodzinska	Joanna	Teacher	Poland
Brouzell	Birgitta	Teacher	Sweden
Brown	Doug	Chair PIC	United Kingdom
Buineviciute	Asta	Centre of Information Technologies of Education	Lithuania
Burton	Stephanie	Centre fri-tic, HEP Fribourg	Switzerland
Cabello	José Luis	Teacher	Spain
Callaghan	Jane	Multimedia Ventures Europe Ltd	United Kingdom
Cama	Orsola	Teacher	Italy
Campos	Fernando	Teacher	Portugal
Carlsen	Carsten	Teacher	Denmark
Carozzi	Federico	Acer	Italy
Carvalho	Frederico	Intel EMEA	Spain
Cattadori	Matteo	Teacher	Italy
Cazeaux	Jacqueline	SMART Technologies	France
Chalus	Petr	Centre of International Services	Czech Republic
Cillekens	Annette	School Manager	Netherlands
Cioni	Maria Cristina	Teacher	Italy
Claxton	Peter	SMART Technologies	United Kingdom
Clegg	Phil	MotivatEd Ltd	UK
Corbino	Salvatore	Teacher	Italy
Corcoran	Deirdre	Teacher	Ireland
Cullen	Joe	Arcola Research LLP	UK
Cullen	Clare	Arcola Research LLP	UK
Cupini	Maria Grazia	Teacher	Italy
Cziprok	Claudia	Teacher	Romania
Damiano	Mike	Blackboard Collaborate	UK
Dawson	Phil	RM Education	UK
De Craemer	Jan	Flemish Ministry of Education & Training	Belgium
De Four	Hans	KlasCement	Belgium
Della Barba	Mina	Teacher	Italy
Di Felice	Antonio	Teacher	Italy
Di Lorenzo	Domenico	Teacher	Italy
Dominguez	Rosalía	Teacher	Spain
D'Orsi	Katia	Teacher	Italy
Dubois	Harry	Teacher	Netherlands
Durando	Marc	European Schoolnet	Belgium
Dzurdzenikova	Monika	Teacher	Slovakia
Egeberg	Gunstein	The Norwegian Center for ICT in Education	Norway
Eixarch	Ramon	Maths for More	Spain
Ekelöw	Lars	Nacka Kommun	Sweden
Ellis	William	European Schoolnet	Belgium

Engvik	Anne Mette	Aschehoug Publishing House	Norway
Eriksen	Mogens	University College UCC - Centre for International Relations	Denmark
Eriksson	Seija	The Swedish National Agency for Education	Sweden
Ernst	Karin	Teacher	Germany
Espilla	Susana	Teacher	Spain
Etzebest	Jone	Teacher	Sri Lanka
Evaristo	Teresa	Ministry of Education	Portugal
Fabian-Hajek	Peter	European Commission	Belgium
Fjalstad	Arne	Høgskolen i Bodø	Norway
Foreman	Chris	Teacher	United Kingdom
Főző	Attila	Educatio Public Services Non- Profit LLC	Hungary
Frahm	Christian	Teacher	Germany
Friis	Mads	Teacher	Denmark
Furlan	Tatjana	Headmaster	Slovenia
Gällhagen	Lena	Nacka municipality	Sweden
Galvin	Richard	European Schools	Belgium
Galvin	Conor	UCD Dublin	Ireland {Republic}
Garaas Godaker	Eli Kristin	Teacher	Norway
Gardner	Jim	EdICTs Ltd	United Kingdom
Gauciene	Jolanta	Teacher	Lithuania
Gerard	Eloise	European Schoolnet	Belgium
Germani	Manuela	Headmaster	Italy
Gertsch	Christian A.	Educa.ch	Switzerland
Geysner	Martin	GEYSNER/DK	Denmark
Gilleran	Anne	European Schoolnet	Ireland
Glosli	Christoffer	Aschehoug publishing house	Norway
Golder	Diny	JES & Co.	United States
Gorra	Anna	Teacher	Italy
Granfol	Simona	Teacher	Slovenia
Grappiolo	Giacomo	Teacher	Italy
Gras Velazquez	Agueda	European Schoolnet	Belgium
Gratkauskiene	Asta	TEacher	Lithuania
Gray	Peter	S-TEAM	UK
Grecnerova	Barbora	Centre of International Services	Czech Republic
Gregersen	Lisbeth	Center for ICT in Education	Norway
Griffin	Bill	European Schoolnet	Belgium
Grum	Spela	Teacher	Slovenia
Gualteri	Cristina	Acer	Italy
Guarino	Ermelinda	Teacher	Italy
Guldager	Ida	University College South Denmark	Denmark

Gustavsson Marsh	Eva	Teacher	Sweden
Hackzell	Anders	Teacher	Sweden
Hammond	Richard	Becta	United Kingdom
Hammond	Ruth	Becta	United Kingdom
Hawle	Reinhold	Federal Ministry of Education, Culture and Art	Austria
Heath	David	Adobe Systems Europe Ltd	United Kingdom
Heesemans	Jan	Teacher	Netherlands
Heldam	Kim	Acer	Denmark
Helland	Karianne	Senter for IKT i utdanningen	Norway
Heutschi	Andreas	Teacher	Switzerland
Hoff	Anne Sesseng	Teacher	Norway
Højsholt-Poulsen	Leo	UNI-C	Denmark
Ignatova	Natalija	Centre of Information Technologies of Education	Lithuania
Ilomäki	Liisa	University of Helsinki	Finland
Indelicato	Salvatore	Headmaster	Italy
Infantino	Maria Giaele	Teacher	Italy
Jaruševičienė	Jurgita	Teacher	Lithuania
Jesionek	Lidia	Headmaster	Poland
Jimenez	David	SMART Technologies	Spain
Johannessen	Oystein	Norwegian Ministry of Education and Research	Norway
Johnson	Jean	The Inclusion Trust	United Kingdom
Jokisalo	Elina	European Schoolnet	Belgium
Josefsson	Lars	SDF Älvsborg	Sweden
Jover Rodriguez	Alejandro	Teacher	Finland
Joyce	Alexa	European Schoolnet	UK
Kabenge	Donozio	Head of ICT	Uganda
Karaiskos	Nikolaos	Ministry of Education	Greece
Karlberg	Peter	Skolverket	Sweden
Kastis	Nikitas	MENON Network EEIG	Greece
Kauderer	Szabolcs	Educatio Public Services Non-Profit LLC	Hungary
Kearney	Caroline	European Schoolnet	Belgium
Keles	Mete Han	Teacher	Turkey
Kelly	Conor	Teacher	Ireland
Kiesi	Ella	Finnish National Board of Education	Finland
Kjems	Bo	Ministry of Education	Denmark
Kleeman	John	Questionmark	United Kingdom
Klesner	John	Favrskov Municipality	Denmark
Köhler	H-P	Kennisnet	Netherlands

Korseth	Petter	Norwegian Directorate for Education and Training	Norway
Kristoffersson	Kenneth	Teacher	Sweden
Krizman	Nevenka	Teacher	Slovenia
Krupa	Janusz	Ministry of Education	Poland
Kurttila	Pasi	University of Oulu	Finland
Kwiatkowska	Anna Beata	Ministry of Education	Poland
Lang	Markku	University of Oulu	Finland
Lapides	David	SMART Technologies	Canada
Larsen	Andreas	UNI-C	Denmark
Lassen	Steen	Ministry of Education	Denmark
Laursen	Pernilla	TEacher	Sweden
Lázaro	Mariano	Teacher	Spain
Le Boniec	Marie	European Schoolnet	Belgium
Lehner	Karl	Federal Ministry of Education, Culture and Art	Austria
Lemke	Tanya	SMART Technologies	United Kingdom
Lind	Cecilie	Microsoft WE	Denmark
Lison	Inger	Nacka municipality	Afghanistan
Lorenz	Birgy	Teacher	Estonia
Lövgren	Elisabeth	Teacher	Sweden
Lucilli	Giuseppe	Teacher	Italy
Lundh	Ingela	Teacher	Sweden
Lupi	Valentina	Teacher	Italy
Maccalli	Rosagusta	Teacher	Italy
Magen	Esty	Fourier Systems	Israel
Manuelli	Patrick	Teacher	France
Margadjis	Elias	Ministry of Education and Culture	Cyprus
Martín Rodríguez	M ^a Ascensión	Teacher	Spain
Massart	David	European Schoolnet	Belgium
Medina	Carlos	Ministry of Education	Spain
Medvecký	Jozef	Teacher	Slovakia
Melichárek	Kamil	Czech School Inspectorate	Czech Republic
Mellah	Bertrand	Acer	Italy
Mikolaskova	Iveta	Cross Czech a.s.	Czech Republic
Mollard-Guillaume	Jeanne	Teacher	Switzerland
Morrissey	Jerome	National Centre for Technology in Education	Ireland
Mounier	Alexandra	eInstruction EMEA	France
Muñoz	Agustin	Ministry of Education	Spain
Myhring	Ella	Teacher	Denmark
Nagy	Regina	Educatio	Hungary
Navickaite	Jolanta	Ministry of Education and Science	Lithuania

Nielsen	Birthe Blomkvist	Teacher	Denmark
Nielsen	Anne	Acer	Denmark
Nielsen	Rasmus	Acer	Denmark
Novi	Tiziana	Teacher	Italy
O' Mahony	Donal	Teacher	Ireland
Occhiena	Eleonora	Teacher	Italy
Paakkinen	Jouni	City of Turku, TOP Centre	Finland
Paiva	Ana	Teacher	Portugal
Panton	Kirsten	Microsoft	Denmark
Panzavolta	Silvia	ANSAS (ex INDIRE)	Italy
Parsons	Stephanie	Futurelab	United Kingdom
Pascual	Antonia	Teacher	Spain
Patrini	Lorena	Teacher	Italy
Pedró	Francesc	OECD	France
Pedroso	José	DGIDC	Portugal
Peña Atta	Maria del Carmen	Teacher	Spain
Perčič	Kristijan	Teacher	Slovenia
Peulicke	Birte	University College, UCC	Denmark
Pivec	Maja	FH JOANNEUM University of Applied Sciences	Austria
Plöger	Ringo	Teacher	Germany
Premik Banič	Andrea	Teacher	Slovenia
Puikkonen	Kimmo	Teacher	Finland
Radu	Claudia Margareta	Teacher	Romania
Ranebo	Stellan	ICTKON	Sweden
Rasmussen	Peter	The Danish Foundation for Entrepreneurship	Denmark
Ravidà	Salvatore	Teacher	Italy
Rekkedal	Eva	Teacher	Norway
Rezek	Tanja	Teacher	Slovenia
Riboni	Roberta	Teacher	Italy
Ricci	Elisabetta	Teacher	Italy
Richardson	Janice	European Schoolnet	Belgium
Ritter Klejnstrup	Maj	ENISA	Greece
Roushias	Christos	Ministry of Education and Culture	Cyprus
Ruzickova	Daniela	ICT education specialist	Czech Republic
Sadeghzadeh	Mohssen	Nacka municipality	Sweden
SAHLBERG	Pasi	CIMO	Finland
Sambolic Beganovic	Amela	Teacher	Slovenia
Sammartino	Giuseppe	Headmaster	Italy
Schultze	Ebbe	UNI-C	Denmark
Sedereviciute	Edita	Ministry of Education and	Lithuania

		Science	
Seffer	Gunbritt	Nacka municipality, Sweden	Sweden
Siltakorpi	Pasi	Teacher	Finland
Silter	Andreea	Teacher	Romania
Skau	Mari Skjolden	Aschehoug	Norway
Sligte	Henk	Kohnstamm Institute University of Amsterdam	Netherlands
Smecca	Paola	Teacher	Italy
Søby	Morten	The Norwegian Centre for ICT in Education	Norway
Spinoso	Silvia	European Schoolnet	Italy
Sposito	Lucyana	Microsoft	Portugal
Stanciu	Irina	FEG	Romania
Stenström	Elisabeth	Hörby kommun	Sweden
Stollova	Barbora	Cross Czech a.s.	Czech Republic
Stular Mastnak	Selma	Teacher	Slovenia
Suciu	Andreea	Teacher	Romania
Sutton	David	EdICTs	United Kingdom
Szekely	Christina	The National Agency for Education	Sweden
Szybalska	Małgorzata	Ministry of National Education	Poland
Taawo	Alma	Swedish national agency for education	Sweden
Tatarkova	Iva	Centre of International Services	Czech Republic
Thomsen	Anders	Acer	Denmark
Thomsen	Karen	Teacher	Germany
Thorbøll	Per	UNI-C	Denmark
Tiefengraber	Petra	Headmaster	Slovenia
Tocháček	Daniel	Teacher	Czech Republic
Tømte	Karoline	Norwegian center for ICT in education	Norway
Tosi	Leonardo	ANSAS (ex INDIRE)	Italy
Trinh	Khoi	SMART Technologies	France
Trstenjak	Bernarda	Miška, d.o.o.	Slovenia
Tulivuori	Jukka	The Finnish National Board of Education	Finland
Turchi	Antonella	ANSAS (ex INDIRE)	Italy
Turno	Angelica	Teacher	Italy
Tuzun	Yucel	Teacher	Turkey
Unger	Kerstin	Teacher	Germany
Vaidelis	Giedrius	Education development centre	Lithuania
van Eeuwijk	Bjorn	Teacher	Netherlands
van Ginkel	Jos	Headmaster	Netherlands
Vergnano	Chiara	Teacher	Italy
Vidmar	Jovi	Headmaster	Slovenia

Viola	Giuseppe	Teacher	Italy
Virgili	Odetta	Teacher	Italy
Viscardi	Marina	Teacher	Italy
Vuorikari	Riina	European Schoolnet	Belgium
Wallin	Viktoria	Teacher	Sweden
Warwick	John	Teacher	UK
Wastiau	Patricia	European Schoolnet	France
Wimmer	Karl	Educa.ch	Switzerland
Wissting	Sandra	Nacka municipality	Sweden
Yvon	Alane	Teacher	France
Zompa	Nicola	Teacher	Italy
Zorman	Gregor	Teacher	Slovenia
Zsakai	Marietta	HOHE	Hungary
Zwiebel	Ken	Fourier Systems	Israel

Pictures from the event





7.2.4.5 Event Report: ASPECT at EDUSOL 2010



ASPECT

WP4: Event Report
ASPECT at EDUSOL 2010

Event Report

ASPECT at EDUSOL 2010



Event data

Title of event: ASPECT at EDUSOL 2010

Type of event: Conference

Location: Online (OpenMeetings-based)

Start date: 11th October, 2010

End date: 19th October, 2010

Organizing partner: VIGO

Partners involved: VIGO, KUL, KOB, ICODEON, VMG, RWCS

Expected outcomes

Due to the fourfold nature of this ASPECT event, which is composed of four webinars, the outcomes are also fourfold:

- To provide content providers with technical expertise on how to publish their metadata using ASPECT infrastructure and toolset
- To explain important issues on the Common Cartridge specification and how this specification can be used in Moodle and in the ICODEON platform
- To provide a demonstration, a guided tour of the Vocabulary Bank for Education (VBE) and the Lexaurus Editor software that is used to edit vocabularies
- Understand the need for Benefits Management and how the ASPECT project uses Benefits Management

Program of the event

The ASPECT track at EDUDOL was composed of four webinars:

- The webinar on Harvesting Metadata was conducted by Dr. Joris Klerkx. He explained a typical harvesting workflow from content providers. Topics covered among others: the LOR Registry, OAI-PMH in short, the Harvester tool, the Validator tool.
- The webinar on Common Cartridge and Moodle was conducted by Dr. Ingo Dahn and Warwick Bailey. Their presentation explained the basics of the Common Cartridge specification, and how this specification can be used in Moodle and in the ICODEON platform.

- The webinar on Controlled Vocabularies was conducted by Mike Collett. This webinar included the following topics: browsing; searching; multilingualism; mappings; SKOS and other formats; faceted classification; history and versioning.
- The webinar on Benefits Management was conducted by Robin Wilson. It included the following topics: the rationale of Benefits Management; approaches and modeling process; benefits audit; findings.

Target audience and scope

All involved stakeholders in the learning process: content publishers, tool developers, educational institutions, etc. with a special focus on the technical departments.

List of participants (26 attendees)

The EDUSOL academic committee did not provide us with a list of participants. We inferred the number of attendees from the number of people that were connected to the system, which did not force people to login using their real name. We do not list here the list of nicknames, because we do not consider them to be relevant.

7.2.4.6 Event Report: ASPECT at EDUCATICE 2010



ASPECT

WP4: Event Report
ASPECT at EDUCATICE 2010

Event Report

ASPECT Event at EDUCATICE 2010



Event data

Title of event: ASPECT Conference at EDUCATICE 2010: Quelle harmonisation pour la description et la mutualisation des ressources pédagogiques en ligne dans l'enseignement scolaire?

Type of event: Conference

Location: Paris, France

Start date: November 25th, 2010

End date: November 25th, 2010

Organizing partner: CNDP

Partners involved: CNDP

Expected outcomes

This ASPECT event discusses the following topics:

- The compatibility of ScoLOMFR with LOM.
- How are pedagogical aspects taken into account?

Program of the event

A speech was delivered by Marie-Christine Milot, from the French Ministry of Education, and by Rosa María Gómez de Regil, from Scéren-CNDP.

Target audience and scope

The target audience included all stakeholders interested in the following issues:

- ScoLOMFR
- LOM

List of participants (52 attendees)

For confidentiality reasons we just can provide the affiliation of the participants at this event and their profiles. The companies are:

MEN

CRDP Amiens

CRDP Amiens

Lycée George Sand

Conseil Général Hautes Pyrénées
Rectorat de Toulouse
VEI-CNDP
DRAAF Rhône-Alpes
TECOMAH, une école de la CCI de Paris
Education Nationale
CRDP de l'académie de Lyon
Editions Sed
IFA
Texas Instruments Europe
CRDP de l'Académie de Lyon
UNIVERSITE DE POITIERS
Cours Secondaire d'Orsay
University of Jyvaskyla
Le Préau - CCIP
PHOTOGRAPHE
RECTORAT DE CRETEIL
Lycée Privé Saint Joseph
IA 64
CIEP
Institut d'Etat de recherche pour TIC
isi group
Inspection éducation nationale
LYCEE SAINT GABRIEL
OGECPONT L ABBE
Centre Educatif et de Formation Profess.
CNDP
Kalamazoo
KOSMOS
MEN
autoentrepreneur
LP Pierre Boulanger / Rectorat
COUDERT CONSULTANT
IA Seine-Saint-Denis
RECTORAT
CRDP VERSAILLES
CRDP AQUITAINE
serial-labs sas
Université du Maine
snuipp fsu
Conseil Général du Bas-Rhin
CRDP des Pays-de-la-Loire (NANTES)
RECTORAT D'AIX-MARSEILLE

The profiles of attendees are:
Personnel du ministère de l'éducation nationale
Personnel du ministère de l'éducation nationale
Personnel du ministère de l'éducation nationale
Enseignant lycée d'enseignement général
Responsable informatique

Personnel du ministère de l'éducation nationale
Enseignant dans le primaire
Personnel d'un autre ministère
Personnel d'une chambre de commerce et d'industrie
Enseignant dans le primaire
Personnel du ministère de l'éducation nationale
Fournisseurs d'outils ou de services pédagogiques
Personnel du ministère de l'éducation nationale
Fournisseurs d'outils ou de services pédagogiques
Personnel du ministère de l'éducation nationale
Personnel du ministère de l'enseignement supérieur et de la recherche
Enseignant lycée d'enseignement général
Enseignant dans le primaire
Personnel d'une chambre de commerce et d'industrie
Chef d'établissement
Enseignant dans le primaire
Enseignant dans le primaire
Fournisseurs d'outils ou de services pédagogiques
Fournisseurs d'outils ou de services pédagogiques
Enseignant dans le primaire
Enseignant dans le primaire
Enseignant lycée technique ou professionnel
Personnel du ministère de l'éducation nationale
Fournisseurs d'outils ou de services pédagogiques
Personnel du ministère de l'éducation nationale
Fournisseurs d'outils ou de services pédagogiques
Enseignant lycée technique ou professionnel
Intendant
Enseignant dans le primaire
Enseignant dans le primaire
Personnel du ministère de l'éducation nationale
Fournisseurs d'outils ou de services pédagogiques
Enseignant dans le supérieur
Enseignant dans le primaire
Responsable informatique
Enseignant dans le supérieur
Personnel du ministère de l'éducation nationale
Enseignant collège
Enseignant dans le primaire
Enseignant lycée technique ou professionnel

Pictures from the event



7.2.4.7 Event Report: ASPECT at Sulinetwork 2010



ASPECT

WP4: Event Report

ASPECT Event at Sulinetwork 2010

Event Report

ASPECT Event at Sulinetwork 2010



Event data

Title of event: Sulinetwork 2010 conference

Type of event: conference

Location: Debrecen, Hungary

Start date: 02.12.2010.

End date: 04.12.2010.

Organizing partner: Educatio Public Services Non-profit LLC

Partners involved:

Expected outcomes

The presentation of the ASPECT project to the participants focused on the Learning Resource Exchange using Common Cartridge as a standard for delivering educational content.

Program of the event

<http://www.sulinet.hu/sulinetwork/program.php>

2. December 2010.

Plenary lectures:

15.00-16.00

Attila Főző (Educatio): Innovation and collaboration - sulinet.net and ASPECT

4. December 2010.

Workshop

10.00-13.00

Attila Főző (Educatio): Walking into the Network – ASPECT project

Target audience and scope

Teachers, school principals and experts from different teacher training companies

List of participants (35 attendees)

Bertáné Márta Edit

Gera Erika

Fábián László

Baloghné Béni Gabriella
Szatmári Boglárka
Bernát Péter
Veszprémi Gábor
Gallik Gábor
Szórné Horváth Beatrix
Balassáné Lerch Mónika
Kispéter Zoltán
Benedek Anna
SZécsi Mária
Weisné Puskás Ágnes
Csontos Ferencné
Pintér Róbert
Sóti Gabriella
Danyi Zsuzsanna
Németh Mária
Stein Ildikó
Muhari László Tamás
Benke Ildikó
Gönczi Mihályné
Kozmáné Kocsány Erzsébet
Bedó Andrea
Tóthné Viniczai Valéria
Lévainé Müller Katalin
Csordás Ildikó
Füzi Otília
Zsigovits Gabriella
Egyed Béla
Tímár Károly
Tar Zsuzsa
Csuvár Fruzsina
Varga Adrienu

Pictures from the event



7.2.4.8 Event Report: ASPECT at BETT 2011



ASPECT

WP4: Event Report
ASPECT at BETT 2011

Event Report

ASPECT at BETT 2011



Event data

Title of event: ASPECT Event at BETT 2011

Type of event: Conference

Location: London, UK

Start date: 12th January 2011

End date: 15th January 2011

Organizing partner: YDP

Partners involved: YDP

Expected outcomes

Disseminate ASPECT project during BETT and attract attention of the public (animation display) and mention ASPECT to YDP present and future business partners (educational, digital and traditional publishers).

Program of the event

Thanks to the ASPECT partner, Young Digital Planet (PL), the project was presented at BETT which is one of the largest education technology exhibitions in the world taking place on 12-15 January 2011 in London.

ASPECT brochures were handed out and the self-running animation about the project was displayed on a Whiteboard every half an hour every day during the fair.

Target audience and scope

Our target audience were the representatives of 120 companies and Ministries of Education, mainly from European Union. Business meetings took place at YDP stand where the ASPECT presentation was running in the background.

Our target audience were also hundreds of teachers visiting YDP stand.

List of participants

There were about 60 business meetings at YDP stand where our participation in the ASPECT project was mentioned. Each participant was given ASPECT's brochure.

A handful of ASPECT brochures were also distributed among teachers visiting YDP stand. All people who wished to learn more about the ASPECT project were redirected to ASPECT site and to Jim Ayre.

Pictures from the event



7.2.4.9 Event Report: ASPECT at EDUCATIO 2011



ASPECT

WP4: Event Report

ASPECT Event at EDUCATIO 2011

Event Report

ASPECT at EDUCATIO 2011



Event data

Title of event: ASPECT event at EDUCATIO 2011

Type of event: Conference

Location: Budapest, Hungary

Start date: 21st January 2011

End date: 22nd January 2011

Organizing partner: EDUCATIO

Partners involved: EDUCATIO

Expected outcomes

The presentation gave an overview of the ASPECT project and its aims and activities. It was focused on the Common Cartridge as a standard which can be used by schools when they are collecting materials from the Learning Resource Exchange.

Program of the event

A presentation was delivered by Attila Föző in Public Education in Focus – Forum for Educators (a satellite event of Educatio 2011).

Target audience and scope

The target audience included teachers, school principals, and content developers.

The scope of the presentation was to give information about the outcomes of the ASPECT project.

List of participants (26 attendees)

Fuzi Otilia
Riavicz Ingrid
Szabo Laszlo
Peter Gerbo

Horvath Roland
Rovaes Daniel
Dr. Szalay Luca
Akos Zsoltne
Kispeter Zoltan
Zolnai Anna
Szasz Anita
Berze Laszlonge
Horuath Atilane
Tonz Zolan Avirz
Rozsa Kazoly
Devaine Bagany Maria
Zagity Ciara
Karokolacs Zosi
Okros Rerez
Fulop Zsolt
Zsiros Laszle Robent
Margitai Istuanne
Nemesnam Natalin Erika
Varga Krisztina
Fekete Zsulba
Zsigouts Gabriella

Pictures from the event





7.2.4.10 Event Report: ASPECT at Portuguese as a Foreign Language



ASPECT

WP4: Event Report

ASPECT at Portuguese as a Foreign Language

Event Report

ASPECT at 120 Digital Learning Resources for Portuguese as a Foreign Language



Event data

Title of event: 120 Digital Learning Resources for Portuguese as a Foreign Language

Type of event: Workshop

Location: Directorate General for Innovation and Curriculum Development

Start date: 27 January 2011, 15h30

End date: 27 January 2011, 17h30

Organizing partner: DGIDC

Partners involved: DGIDC

Expected outcomes

Main objective: To make known to a wider public 120 learning resources which were created as part of the Portuguese participation in the ASPECT project.

Expected outcomes:

- a. A better understanding of what ASPECT is about.
- b. A clearer picture of the role played by PFL in the National Curriculum.
- c. The actual use of the 120 resources which can be accessed at the Schools Portal.

Program of the event

1. Portuguese as a Foreign Language in the National Curriculum, Lina Varela, DGIDC
2. An overview of the ASPECT project, José Moura Carvalho, DGIDC
3. 120 learning resources for PFL, Helena Lemos (author)

Target audience and scope

The target audience was composed of teachers of Portuguese as a Foreign Language and staff of the Ministry of Education working in the PFL area.

List of participants (24 attendees)

Ana Isabel Silva Pereira Jacques
Ana Patrícia Faustino Lima

Ana Sofia Leitão
Anabela Aleixo Louro
Anabela Silva Lages Gonçalves
Anália Fernanda Rebelo Borges Gonçalves
Carla Isabel M. A. Barros Lourenço
Carlos Alberto Guerra Vicente
Célia Maria Lopes Azevedo
Cláudia Filipa Carreiras Faria de Lima
David Manuel Sousa Santos
Fernando Rui Pinheiro Campos
Florabela Barradas Silva Alves
Laura Filipe
Liliana Noronha Medalha
Luísa Ucha Silva
Maria João Marques
Maria João Rosa Coelho
Natália Vasconcelos
Patrícia Pimpão
Rosária Maria Semedo Corrente Rocha
Rui Vaz
Teresa Pombo
Virgínia Alina Gomes da Silva Familiar

Pictures from the event





7.3 *Report of LTSO News*



ASPECT

WP4: LTSO News Report

Headline	Date of Publication
IMS Global Learning Consortium Announces Additional Plans for Supporting the Common Cartridge Digital Learning Standards by ANGEL, Desire2Learn, eCollege, Giunti Labs, Icodeon, Moodle, and Ucompass	29 October 2008
LAMS and the LAMS Community from Macquarie University and the LAMS foundation wins Australian Regional Learning Impact Competition	19 November 2008
AICC Meetings January 2009 in Mumbai	20 November 2008
AICC Call for Presentations	26 November 2008
IMS Global Learning Consortium Invites North American Higher Education Institutions to Participate in the Annual Learning Technology Satisfaction and Trends Survey (LearnSAT)	3 December 2008
EduTubePlus publishes its Dissemination Plan	3 December 2008
Call for Participation: IMS GLC Adoption Standards for LMS and CMS RFPs	4 December 2008
AICC Mumbai Meetings to be Rescheduled	15 December 2008
ADL Co-Lab Hub site of Community Geospatial-Intelligence Training Council Technology Summit 2008	15 December 2008
European strategy and co-operation in education and training	18 December 2008
New skills for new jobs	18 December 2008
IMS Common Cartridge Final Specification Released	29 December 2008
DCMI Usage Board publishes criteria for review of Application Profiles	8 January 2009
New repository of DCMI Conference Papers with proceedings 2001-2008 conferences	8 January 2009
AICC Events Calendar Online	15 January 2009
AICC Reminders for Singapore Meeting	15 January 2009
CEN/ISSS WS-LT Open Call for Project Team Experts	15 January 2009
The Norwegian Defence University College and the Norwegian Defence ADL Office to Sponsor ADL-Conference 2009	15 January 2009
iCOPER Seminar on Metadata Strategies	15 January 2009
iCOPER Report on Competency Symposium to CEN/ISSS WS-LT	22 January 2009
Serious Virtual Worlds – new JISC report published	22 January 2009
DC-2009 Web site and call for papers published	22 January 2009
ADL Webinars Rescheduled	22 January 2009
IEEE LTSC Elections	29 January 2009
View Videos on IMS GLC Digital Learning Services	29 January 2009
EdReNE State of the Art of Educational Repositories in Europe	29 January 2009
White Paper on Digital Contents in Spain 2008	29 January 2009
SPI Workshop (March 3, 2009 - University of Vigo, Spain.)	6 February 2009
Call for papers for Workshop at ICAALT 2008 in Riga	6 February 2009
The 2009 Learning Impact Award finalists are announced!	6 February 2009

ICOPER Workshop at ICALT 2009	12 February 2009
IMS Global Learning Consortium and the European Union Commission ASPECT Project Announce Partnership	12 February 2009
European Training Thesaurus	12 February 2009
DCMI Community: Science and Metadata	20 February 2009
NFES releases Data Model Version 1	20 February 2009
SIF Association AU Completes Successful Proof of Concept	20 February 2009
Educational games and simulations with e-Adventure	26 February 2009
Project Launched for Development of CCv1.1	26 February 2009
E-Learning Awards 2009 Launched	26 February 2009
First version of ICOPER Open Content Spaces published	8 March 2009
DCMI Usage Board publishes review of SWAP profile	8 March 2009
AICC Singapore Minutes, Presentations and Photos	8 March 2009
Common Cartridge Alliance News Update (March 11, 2009)	12 March 2009
June Meeting at a North American Location Near You	12 March 2009
Application for participation as an unpaid expert	12 March 2009
An Updated Strategic Framework for European Cooperation in Education and Training	12 March 2009
HEFCE launches strategy for technology-enhanced learning	29 March 2009
First version of ICOPER Communication and Dissemination Strategy	29 March 2009
Draft AICC Offline CMI Specification CMI-009 Now Available for Comment	29 March 2009
IMS Global Learning Consortium and The Advisory Board Company Release Initial Study of Higher Education Targeted Retention Systems	29 March 2009
IMS GLC Product Directory Features In Progress LearnSAT Ratings	2 April 2009
QTI v2.1 Profiling	2 April 2009
ADL Releases SCORM 2004 4th Edition	2 April 2009
Revised version of International Standard ISO 15836 published	11 April 2009
ISO/IEC e-learning standard will help match user needs with the right resources	11 April 2009
Library debate continues across the UK	11 April 2009
ADL Registry version 1.7 Released	11 April 2009
SCORM Content Vulnerability Workarounds Now Available	11 April 2009
IMS Global Learning Consortium 2008 Annual Report	16 April 2009
Grundtvig Award 2009	16 April 2009
MEDEA Awards 2009	16 April 2009
Seminar on Requirements Gathering for the Competency Domain	27 April 2009
CEN/ISSS Workshop for Learning Technologies met in Berlin	29 April 2009
5th meeting of CEN TC353	29 April 2009
OSID Service Bus Community Project Launched	30 April 2009
Preventing theft and unauthorized modification of electronic data with new ISO/IEC standard	30 April 2009
JES & Co. Joins IMS Global Learning Consortium	30 April 2009
CWA 15903: The Metadata for Learning Opportunities - Advertising (MLO-AD) has been published	30 April 2009
Engage Learning Portal	7 May 2009

Published the report from the expert meeting on web accessibility in Europe and the implementation of Web Content Accessibility Guidelines (WCAG) 2.0	7 May 2009
IMS Global Learning Consortium Announces 2009 Global Learning Impact Award Recipients	21 May 2009
IMS Global Learning Consortium Announces Sponsors for Development of the Digital Learning Connection	21 May 2009
The Learning Resource Exchange wins an IMS Award at Learning Impact 2009!	21 May 2009
EduTubePlus presented at the 5th Hellenic Conference on ICT in E	21 May 2009
ICOPER presented at IMS Learning Impact 2009	21 May 2009
Vote on ISO/IEC 19788-2 (by 2009-08-14)	31 May 2009
MELT (Metadata Ecology for Learning and Teaching) Newsletter 3	31 May 2009
Guidelines for Dublin Core Application Profiles published as a DCMI Recommended Resource	31 May 2009
Draft CWA for public comments on "Curriculum Exchange Format"	4 June 2009
ICOPER report on connecting learning outcomes to units of learning	4 June 2009
Europass, ECVET and EQF for documentation, validation and certification of learning outcomes	4 June 2009
White Paper on Information Communication & Technology (ICT) in Education for Development	4 June 2009
A Study on the Effective Use of Social Software by Further and Higher Education in the UK to Support Student Learning and Engagement	4 June 2009
Adoption of Service Oriented Architecture (SOA) for Enterprise Systems in Education: Recommended Practices	11 June 2009
New Content-Development Methodologies Survey	11 June 2009
National e-books project brings free learning to further education	11 June 2009
ITLET - Language Accessibility and Human Interface Equivalencies (HIEs) in e-Learning applications: Principles, Rules, and Attributes of Semantic Data	11 June 2009
Blackboard announces increased support for open standards for content use	24 June 2009
IMS Global Learning Consortium releases Recommended Practices for Adoption of Service Oriented Architecture for Enterprise Systems in Education	24 June 2009
Call for Papers for the 2010 IEEE Engineering Education Conference - IEEE EDUCON 2010	24 June 2009
Open Educational Resources programme	6 July 2009
AICC Meeting Minutes and Call for Presentations	6 July 2009
Social networks and internet need to be 'interwoven together' – EifEL	10 July 2009
ADL Webinars on SCORM and Registry	10 July 2009
Preparing the next Continuing Vocational Training Survey	10 July 2009
Using Web 2.0 in medical education	24 July 2009
ISO launches eNewsletter on conformity assessment	24 July 2009

The "ISO Café" expands its menu	24 July 2009
ISO highlights standards as generators of confidence during global financial crisis	24 July 2009
Using Learning Technology and Standards to Increase Student Success in Math at the University of Alabama	24 July 2009
A Common Evolution for IMS Simple Sequencing?	24 July 2009
CWAs "European Learner Mobility" first drafts	24 July 2009
Think digital! Re-think education!	30 July 2009
AICC AGR-010 Certification: QuestionMark	1 October 2009
Competence framework for VET professions - Handbook for practitioners	1 October 2009
Vocational education and training in Sweden - Short description	1 October 2009
IMS Learning Impact 2010 Awards	1 October 2009
IMS has released the final Adoption of Service Oriented Architecture (SOA) for Enterprise Systems in Education: Recommended Practices	1 October 2009
ICOPER reports on learning design and delivery	16 October 2009
Model for describing learning needs and opportunities	16 October 2009
Is it feasible to use Web 2.0 in medical education?	16 October 2009
Technical Course on the "Federation of Learning Repositories for Agriculture, Food & Environment (AgLRs)"	16 October 2009
JISC Collections to acquire Content Complete Ltd	16 October 2009
PREVIEW paramedic training in virtual reality	16 October 2009
Lifelong Learning Programme Call for Proposals 2010	19 October 2009
IMS Global Learning Consortium Announces Participation in the Accessible Portable Item Project	19 October 2009
IMS QTI lacks semantic interoperability, states new iCOPER report	22 October 2009
1484.11.2-2003 Reaffirmed by IEEE Standards Board	22 October 2009
Invitation to Ballot the Reaffirmation of 1484.11.1-2004 Opens	22 October 2009
European Schoolnet Learning Awards 2009	22 October 2009
Second Life and Aviation Training Innovations at AICC October Meeting	31 October 2009
JISC joins the Confederation of Open Access Repositories	31 October 2009
Second Life e-learning project wins Times Higher Education award	31 October 2009
NSBA and SIF Association Release "What School Boards Need to Know: Data Conversations"	31 October 2009
IMS Learning Impact Awards Competition 2010	5 November 2009
ICOPER Report on Assessment and Evaluation Standards	5 November 2009
A new Director-General for Education and Culture	5 November 2009
Glow: Setting an Example for the World in Connecting Education across Scotland	14 November 2009
Desire2Learn Delivers Another First Enabling Standards-Based Integrations	14 November 2009
DC-2009 papers and presentations published	14 November 2009
Students repurpose eViP virtual patients for their medical curriculum	14 November 2009

IMS Global Learning Consortium Announces SunGard Higher Education and Oracle will Support Industry-Wide Adoption of Open Technology Standards	14 November 2009
Launching of The ISO Concept Database (ISO/CDB) will benefit standards users and developers	14 November 2009
Ongoing ICOPER activities: completing the picture	14 November 2009
JISC receives award for federated access management work	14 November 2009
Do students prefer Google over tutors?	14 November 2009
Google Uses Educause Meeting as Focus Group for Wave	14 November 2009
New book published Cases on Collaborative Virtual Learning Environments: Processes and Interactions	19 November 2009
New book published Handbook of Research on Human Performance and Instructional Technology	19 November 2009
New SCORM 2004 4th Edition	19 November 2009
ADL and RDECOM-STTC Announce BAA Award to Eduworks	19 November 2009
EduTubePlus project: Finalists for MEDEA Awards Announced	19 November 2009
IMS GLC Library Integration Survey	19 November 2009
eLearning Awards Jury announces top 50 projects in 2009	19 November 2009
ADL SCORM Plans from SE@M Conference Posted	20 November 2009
New ADL SCORM 2004 RELOAD Editor Released	1 December 2009
Team Orlando "Innovations in DoD" Gaming Competition	1 December 2009
Students repurpose eViP virtual patients for their medical curriculum	1 December 2009
Updates in DCMI Workstructure	1 December 2009
Get access to the best educational resources of the Insafe network	1 December 2009
New study examines accreditation in selected EU countries	1 December 2009
VET in Europe: Country reports 2009	1 December 2009
JISC launches 2010-2012 strategy	1 December 2009
TENCompetence Foundation launched	1 December 2009
Special issue on "Mash-Up Personal Learning Environments"	1 December 2009
Special Issue on Intelligent Support for CSCL	8 December 2009
Call for papers: Recommender Systems to support the dynamics of virtual learning communities	15 December 2009
Call for papers Issue on Game-based Learning	15 December 2009
Request for Comment on IEEE LTSC CMI Standards	15 December 2009
DCMI/NKOS Task Group established	22 December 2009
Call for Case Studies	29 December 2009
Call for Book Chapters	29 December 2009
JISC's annual review 2008/2009 published	7 January 2010
Siveco Receives Award as Best Solution for eLearning	7 January 2010
AccessForAll Digital Resource Description Specification Released	7 January 2010
QTI v2.1 Implementation Survey	7 January 2010
Snowbound students visit Pompeii through their own computers	15 January 2010
Share.TEC collaboration with EdReNe	15 January 2010
ASPECT Newsletter 1	15 January 2010
New Paper on S1000D and SCORM Bridging Strategy Posted	15 January 2010
LIA Nominations Accepted until 18 January 2010	15 January 2010

DCMI: Florence Tutorial slides published	23 January 2010
eViP: What do you think of virtual patients?	23 January 2010
A vision for the academic library and information services of the future	23 January 2010
Cedefop Workshop outcomes	23 January 2010
CEN WS/LT: Open Call for Project Team Experts "Interoperability of Registries"	23 January 2010
Learning Impact 2010: Program Tracks to Transform the Educational Enterprise	23 January 2010
JISC Conference 2010 blog competition launches	29 January 2010
Rewiring Inclusion Conference	29 January 2010
Cedefop achievements 2009 and plans 2010 (Cedefop Briefing Note)	29 January 2010
A new Web portal for vocational education and training in the EU	29 January 2010
ISO Focus+ magazine focuses on the inside story by the standards makers	29 January 2010
2nd European Workshop on ICOPER Best Practice	29 January 2010
LOM: What Next	29 January 2010
IMS GLC Call for participation about e-portfolio	4 February 2010
ICOPER Report: Envisaged future states report – user requirements and future scenarios	4 February 2010
Cedefop Briefing Note - Jobs in Europe to become more knowledge - and skills- intensive	12 February 2010
Universities to achieve business goals through technology	12 February 2010
Eighteenth century correspondence website wins JISC award	12 February 2010
Virtual Patients give students a ‘Taste of Medicine’	12 February 2010
IMS Global Learning Consortium and the European Distance and E-Learning Network Announce Partnership	12 February 2010
IEEE LTSC Annual Meeting	12 February 2010
3 draft CWAs are in their commenting phase	13 February 2010
IMS Global Learning Consortium Announces Public Review Period of Basic Learning Tools Interoperability Standards	18 February 2010
The Learning Impact 2010 Report	18 February 2010
Digital Learning Services Standards .	18 February 2010
Open call for Maths and Science teachers	18 February 2010
Cedefop presented new skill forecast results at Brussels conference	18 February 2010
Podcast/Press Release: How to build a business case for an Open Access policy	26 February 2010
Response to minister’s call for technology to enhance student experience	26 February 2010
Learning and moving - Cedefop’s 35th anniversary	26 February 2010
Cedefop Newsletter ISSUE 1	26 February 2010
DCMI: Usage Board meeting in Seoul - 2009-10-16 - Meeting notes	26 February 2010
e-Learning: A Student’s Perspective	26 February 2010
The possibilities of e-assessment in medical education	26 February 2010
ISO's magazine shows how standards facilitate interoperability of products, from basic to hi-tech	26 February 2010

IMS Basic Learning Tools Interoperability Public Draft Updated	26 February 2010
Study on the Impact of ICT and New Media on Language Learning from the European Commission	26 February 2010
Interoperability Challenge for Learning Impact 2010	4 March 2010
University of Hull Supports UK National Education Network	4 March 2010
Scientific video lectures available online	4 March 2010
eViP Virtual Patient Referatory now available!	4 March 2010
Are current standardization bodies in sync with actual user needs?	4 March 2010
Copyright legislation is not in tune with educators' expectations	4 March 2010
Cedefop/ European Parliament joint seminar: Highly skilled workforce needed both for recovery and for long-term growth	4 March 2010
SIF Implementation Registry	4 March 2010
The State of Technology in Higher Education: A Conversation with The Campus Computing Project's Kenneth Green	4 March 2010
The European Credit system for Vocational Education and Training (ECVET)	22 March 2010
Canterbury Tales to be captured on camera	22 March 2010
Using CAMPUS VPs in medical education	22 March 2010
New ISO brochure clarifies distinctions between International Standards and "private standards"	22 March 2010
Segue V2 Powers New O.K.I. Community Site	22 March 2010
e-Skills Week competition winners announced	22 March 2010
Educational video games with e-Adventure	22 March 2010
ICOPER Suitability Report for Better Practice	25 March 2010
More young people need to embrace IT and IT careers	25 March 2010
Investment in continuing training stagnates in European companies	25 March 2010
Extra! Extra! One million pages added to online newspaper resource	9 April 2010
Student feedback directs e-learning resource development at LMU	9 April 2010
VPs: Putting theory into practice for clinical reasoning	9 April 2010
DCMI Status report March 2010 published	9 April 2010
Australia Commits to SIF for Interoperability in Schools	9 April 2010
IMS Learning Object Discovery & Exchange Base Document Released	9 April 2010
IMS Learning Information Services v2.0 Public Draft Released	9 April 2010
IMS Learning Impact Recognition and Awards Program 2010 Finalists	15 April 2010
GameTech 2010 Wrap-up: Winners, Repositories, and Presentations	15 April 2010
Growing interest in educational repositories	15 April 2010
Cedefop Director announces full results of skills forecast at Barcelona conference	15 April 2010
Volcanic activity in Iceland affects CEN WS-LT meeting	17 April 2010
CEN TC353 meeting will go ahead despite travel problems	18 April 2010
E-learning and collaboration in The Netherlands	26 April 2010
Communication and Emotional Realism in Healthcare Simulations	26 April 2010

ECVET bulletin - April 2010	26 April 2010
Online resource gives freshers real picture of university life	26 April 2010
Colleagues or competitors?	26 April 2010
IMS Public Dispatch Newsletter - March/April 2010	26 April 2010
Book on Collaborative Learning 2.0: Open Educational Resources	6 May 2010
Presentation about Open Images and EUscreen on JTS2010	6 May 2010
A call to ACTION in e-Learning	14 May 2010
Web 2.0 and Cultural Immersion in Australia's Northern Territory	14 May 2010
Access For All v2.0 Final Specification Released	14 May 2010
2009 IMS Annual Report Released	14 May 2010
AICC Meeting Minutes Available	14 May 2010
ADL Learning Content Registries and Repositories Summit Report	14 May 2010
ASPECT Summer School in Lisbon	14 May 2010
IMS Global Learning Consortium's Common Cartridge Adopted by Major Publishers Supporting Online Course Redesign Initiative	20 May 2010
IMS Global Learning Consortium Announces Public Final Status of Basic Learning Tools Interoperability Standard	20 May 2010
IMS Global Learning Consortium Announces Public Review and Conformance Certification Alliance for Learning Information Services Standards	20 May 2010
Feature on EUscreen in D-Lib Magazine	20 May 2010
Distance Educators to Focus on Media Use at Next Annual EDEN Conference	20 May 2010
More than 75% of teachers in the USA use digital media	20 May 2010
There was little technical innovation at ICVP 2010, "And that's a good thing!"	20 May 2010
Social Media in Medical Education: "There is still work to be done"	20 May 2010
"Technology Can Flatten the World"	20 May 2010
EU Policy Papers: "Council Conclusions of 11 May 2010 on competences supporting lifelong learning and the 'new skills for new jobs' initiative"	6 June 2010
Spain's education and training system in a nutshell	6 June 2010
Europeana Publishes First White Paper: Knowledge = Information In Context	6 June 2010
Making the most of digital resources	6 June 2010
Call for Papers: Special Issue on Quality in eLearning	6 June 2010
SIF Excellence Awards Recipients Announced	6 June 2010
DCMI's Vocabulary Management Tool published as an Open Source project	6 June 2010
ASPECT Awards: Awarding Learning Technology Standards Adoption	6 June 2010
Teachers and content packaging standards. Initial conclusions from the ASPECT evaluation	6 June 2010
ASPECT Newsletter 2	6 June 2010
IMS Global Learning Public Dispatch - Issue 2- June 2010	17 June 2010
Call for Papers: Special Issue on Quality in eLearning	17 June 2010

ADL Survey	17 June 2010
ADL ImplementationFest 2010	17 June 2010
Two new OpenScout deliverables available for download	17 June 2010
DC-2010 Preliminary program published	17 June 2010
DCMI Metadata Provenance Task Group established	17 June 2010
Skills supply and demand in Europe: medium-term forecast up to 2020	17 June 2010
PhD Studentship. Learning Design	25 June 2010
Virtual Patients bring together fragmented e-learning tools	25 June 2010
Powersaving project wins Green Gown Award	25 June 2010
Converge Special Report: Campus Management Systems	25 June 2010
Skills mismatch: a challenge by any name	25 June 2010
ISO's magazine highlights economic and social impact of standards	25 June 2010
Italian primary school implements ISO 14001	25 June 2010
ISO library registry standard adapts to the digital age	25 June 2010
IMS QTI 2.1 survey nets 21 implementations	25 June 2010
ASPECT LRE Technical & Semantic Interoperability Workshop - Presentations available!	25 June 2010
IMS Launches a New Series of Webinars	1 July 2010
The AICC website has a new look!	1 July 2010
ADL Webinars Suspended	1 July 2010
The presentations of the EUscreen Open Workshop on Metadata Schemes and Content Selection Policies can be found online now	1 July 2010
OpenScout demonstrator @ EC-TEL 2010	1 July 2010
New OpenScout Deliverable on Federated Infrastructure and Application Profile	1 July 2010
The Global Learning Resource Connection and IMS Announce a Partnership to Enhance the Discovery of Educational Resources Using the Semantic Web	12 August 2010
User Interface Design for Virtual Environments: Challenges and Advances	12 August 2010
IMS LODE and Resource Discovery will be the topic for the next ASPECT webinar in September 21st	13 August 2010
Your Ideas: What Could Search Engines Do (to Make Finding Educational Content Easier)?	19 August 2010
The IMS GLC announced the winners of the 2009/2010 Learning Technology Satisfaction and Trends (LearnSAT) Survey	19 August 2010
The Learning Registry project has been launched	19 August 2010
Two eQnet teachers' seminars on "travel well" learning resources	19 August 2010
Norwegian quality criteria for digital learning resources published	19 August 2010
A richer data model for Europeana	2 September 2010
Let's all go down the Strand!	2 September 2010
Learning outcomes approaches in VET curricula	2 September 2010
Two new DCMI Task Groups have been formed	2 September 2010
Gap analysis report and conclusions of strengths and weaknesses of current specifications and standards	2 September 2010

Student Induction to e-Learning Adoption Practice Public Draft Released	2 September 2010
ELLI - European lifelong learning indicators	8 October 2010
Statistics on education, lifelong learning and vocational training in enterprises	8 October 2010
DCMI Status report September 2010 published	8 October 2010
Harvesting Metadata Webinar recording is online available	8 October 2010
Seven winners take honors at the Learning Impact 2011 Asia-Pacific Regional Competition in Korea	8 October 2010
IMS Campus Case Study - Tennessee Board of Regents	8 October 2010
IMS Global Learning Consortium Announces “Write Once – Run Anywhere” is Readily Achievable for Enterprise or Cloud-based Educational Applications and Content	14 October 2010
Call for Book Chapters	14 October 2010
ADL Hosts Review for Serious Games Challenge 2010	14 October 2010
Maintenance release of DCMI Terms Recommendation	14 October 2010
How Cedefop contributes to mobility	21 October 2010
Tell us more about your online courses	21 October 2010
Podcast/Press release: New thinking on academic publishing and communication	21 October 2010
Microsoft is a Premier Sponsor of the Global Learning Resource Connection	21 October 2010
SoftChalk to Offer Reliable Scoring by Integrating with LMS Grade Books Through IMS LTI and Basic Outcomes	21 October 2010
IMS Personalizing Learning Workgroup	21 October 2010
Common Cartridge and Moodle Webinar recording is now available	25 October 2010
IMS 2011 Learning Impact Awards	28 October 2010
IMS Campus Case Study	28 October 2010
Intelligent and Adaptive Educational-Learning Systems: Achievements and Trends	28 October 2010
AICC at EATS	28 October 2010
The Future of Personalized Learning Environments	4 November 2010
Tutorials, presentations and proceedings of DC-2010 published	4 November 2010
2nd call for papers for CD4TEL 2011	4 November 2010
SE@M 2010 presentations available	4 November 2010
Economies of the Commons 2: Paying the Costs of Making Things Free	10 November 2010
Educational Scenarios at Organic.Edunet	10 November 2010
The Open University embraces the Linked Open Data Movement	18 November 2010
Meducator considers WebID (OpenID FOAF and SSL) for user identification and privacy	18 November 2010
VLAANDEREN INgeBEELD – a study day in Flanders for teachers about the use of digital media in class	18 November 2010
GaLA Kick-Off: Newly Created Network of Excellence in Serious Games	24 November 2010
International Journal on Game-based Learning	24 November 2010
AICC Announces New Standard	30 November 2010

Taming the Metadata Beast: ILOX	30 November 2010
Meeting reports from DC-2010 becoming available	30 November 2010
Policy analysis reaches a milestone	30 November 2010
CEDEFOP Briefing note - 10 million Europass CVs generated online	30 November 2010
EdReNe's 5th seminar proceedings of the seminar are now available from the EdReNe website	8 December 2010
IMS Learning Impact Awards 2011	8 December 2010
Call for proposals to participate in a Program Track at The Learning Impact 2011 Conference and Awards Showcase	8 December 2010
New ADL video series launched! Introduction to SCORM, Parts 1 - 4	8 December 2010
S1000D SCORM Bridge Project produces white paper on the Bridge API	8 December 2010
ADL Future Learning Experience Project	8 December 2010
ADL presentations from I-ITSEC 2010 now available	8 December 2010
IMS Public Dispatch	8 December 2010
New study urges colleges to develop e-learning strategies for higher education	17 December 2010
Opening up JISC Inform	17 December 2010
Media & Learning Conference report online	17 December 2010
DCMI Task Group work plans and work structure changes	17 December 2010
IMS GLC releases Draft Specification for Interoperable Accessible Educational Assessment Items	17 December 2010
European policy cooperation on vocational training looks ahead to concrete measures	23 December 2010
New SIFA By-Laws Promote Internationalization and End User Leadership	23 December 2010
JISC makes Freedom of Information issues clearer for researchers	23 December 2010
New ISO standard aims to improve quality of learning services and facilitate comparison on worldwide basis	23 December 2010
ASPECT at BETT2011	4 January 2011
Submit Your Nomination for the 2011 Learning Impact Awards	4 January 2011
How business leaders increase competitive advantage by using standards	14 January 2011
Cedefop: Changing qualifications	14 January 2011
CD4TEL 2011: Second Call for Papers	14 January 2011
The Comité des Sages calls for a "New Renaissance" by bringing Europe's cultural heritage online	14 January 2011
Learners to benefit from technology competitions	14 January 2011
Blackboard Announces Full Support for Key Open Education Standards	14 January 2011
IMS Global Learning Consortium helps Louisiana Community & Technical College System Online as it develops standardized online programs in an open source environment	14 January 2011
New licensing tool for open content	21 January 2011
300th case study shows eco-friendly learning in college	21 January 2011
Third edition launched of ISO Award for Higher Education in Standardization	21 January 2011

Article: Metadata for learning materials: An overview of existing standards and current developments	21 January 2011
ADL Initiative launches new YouTube channel!	21 January 2011
The school of the future is closer	27 January 2011
European Commission launches action plan to reduce early school leaving	3 February 2011
Commission Regulation on the production and development of statistics on education and lifelong learning	3 February 2011
Online learning needs a strategy	3 February 2011
Moving files, saving energy	3 February 2011
The 2011 IMS GLC Learning Technology Satisfaction and Trends Survey (LearnSAT) will be open until April 30, 2011	3 February 2011
The requirement for SCORM in fine print of the historic TAACCCT program	3 February 2011
Need help choosing an LMS?	3 February 2011
Call For Articles – LEARNING TECHNOLOGY NEWSLETTER	7 February 2011
Cedefop Study Visits Programme launches new call for applications	10 February 2011
Shared services in cloud computing to be funded by HEFCE	10 February 2011
JISC to reshape to deliver in a competitive market	10 February 2011
DCMI is soliciting applications for Executive Officers	10 February 2011
5 Million Manuscripts, Films and Texts for Europeana	16 February 2011
Glossary on quality terms brings added clarity to changes in education and training	16 February 2011
Council conclusions on the role of education and training in the implementation of the Europe 2020 strategy	16 February 2011
Educational Publishing Futures	17 February 2011
ASPECT strategic seminar	18 February 2011
CMI-5 – the new standard for courseware integration	24 February 2011
ADL request help for "Project Tin Can"!	24 February 2011
Incorporating attention metadata in the mEducator scheme	24 February 2011
DCMI and FOAF Project to collaborate on vocabulary alignment and preservation	24 February 2011
Experts discussed Cedefop's methods and applications	24 February 2011

7.4 *Report of LTSO Events*



ASPECT

WP4: Report of LTSO Events

Name of Event	Date of Publication	Date of Event
IMS Global Learning Consortium Quarterly Meetings & Summit	21 October 2008	3 November 2008
Common Cartridge Testfest Meeting	21 October 2008	5 November 2008
Common Cartridge Webinar for Europe	28 October 2008	13 November 2008
ICALT 2009	3 December 2008	14 July 2009
FIE 2009	3 December 2008	18 October 2009
Mobile Learning 2009	3 December 2008	26 February 2009
CSEDU 2009	3 December 2008	23 March 2009
CSCL 2009	3 December 2008	8 June 2009
m-ICTE 2009	3 December 2008	22 April 2009
SITE 2009	3 December 2008	2 March 2009
WBE 2009	3 December 2008	16 March 2009
WWW 2009	4 December 2008	20 April 2009
ONLINE EDUCA BERLIN 2008	2 December 2008	3 December 2008
IMS Global Learning Consortium Quarterly Meetings	15 December 2008	9 February 2009
International Aviation Training Conference February 2009	15 December 2008	24 February 2009
Webinar: Creating Reusable Content with SCORM 2004	15 December 2008	17 December 2008
Webinar: Overview of the ADL Registry	15 December 2008	16 December 2008
ED-MEDIA 2009	16 December 2008	22 June 2009
ICWL 2009	16 December 2008	19 August 2009
WCCE 2009	16 December 2008	27 July 2009
iCOPER Metadata-Strategy	18 December 2008	8 January 2009
IMS GLC Learning Impact 2009	18 December 2008	11 May 2009
iLearning Forum 2009	18 December 2008	19 January 2009
LEARNTEC 2009	18 December 2008	3 February 2009
CeBIT 2009	18 December 2008	3 March 2009
WebIST 2009	18 December 2008	23 March 2009
EDEN 2009	18 December 2008	10 June 2009
EUNIS 2009	18 December 2008	23 June 2009
CERME 6	18 December 2008	28 January 2009
EdRENE Expert Workshops	18 December 2008	25 February 2009
ITE 2009	18 December 2008	22 April 2009
Conference on 'Teachers and Trainers at the hear of innovation and VET reforms'	18 December 2008	23 February 2009
SIF Meeting	8 January 2009	14 January 2009
EAEEIE 2009	15 January 2009	22 June 2009
Webinar: Creating Reusable Content with SCORM 2004 (February 2009)	15 January 2009	4 February 2009
I2G INTERGEO General Assembly	15 January 2009	28 January 2009
ASPECT Meeting in Vigo	29 January 2009	4 March 2009
IEEE LTSC RAMLET MEETING	29 January 2009	12 February 2009

ISO/IEC JTC1 SC36 Plenary Meeting #19	29 January 2009	23 March 2009
ASPECT Technical Workshop on SQI-OAI	29 January 2009	10 March 2009
WCHE 2009	29 January 2009	6 July 2009
EUFORIA 2009	29 January 2009	24 February 2009
Webinar: Federated Registry Architectures (April 2009)	12 February 2009	1 April 2009
Webinar: Sequencing SCORM 2004 Content, Three Part Series (February - March 2009)	12 February 2009	18 February 2009
Webinar: Using the ADL Registry (March 2009)	12 February 2009	11 March 2009
Webinar: Creating Reusable Content with SCORM 2004 (March 2009)	12 February 2009	19 March 2009
Webinar: Choosing an Authoring Tool (March 2009)	12 February 2009	25 March 2009
EeLT 2009	12 February 2009	27 April 2009
GBL 2009	12 February 2009	19 March 2009
SPI Workshop 2009	16 February 2009	3 March 2009
The role of social partners in implementing European tools for vocational education and training and lifelong learning	16 February 2009	26 February 2009
eLSE 2009	20 February 2009	9 April 2009
EDM 2009	20 February 2009	1 July 2009
EDULEARN09	20 February 2009	6 July 2009
LTSC Meeting, March 2009	21 February 2009	15 March 2009
JISC Conference 2009	26 February 2009	24 March 2009
Mobile Learning: A Symposium	12 March 2009	1 May 2009
WIISCOLA09	12 March 2009	9 June 2009
iCOPER Workshop at ICALT 2009	12 March 2009	14 July 2009
E-LEARN 2009	12 March 2009	26 October 2009
eleUM meeting	12 March 2009	16 June 2009
ACM-L 2009	29 March 2009	9 November 2009
ICIW 2009	29 January 2009	24 May 2009
Online Educa Berlin 2009	2 April 2009	2 December 2009
OiW 2009	11 April 2009	12 May 2009
AIED2009	11 April 2009	6 July 2009
37th meeting of CEN/ISSS/WS-LT	27 March 2009	27 April 2009
5th Meeting of the CEN/TC 353	27 March 2009	28 April 2009
AICC Subcommittee Meetings	30 April 2009	16 June 2009
DC-2009. "Semantic Interoperability of Linked Data"	30 April 2009	12 October 2009
International Conference "Employability & Entrepreneurship"	7 May 2009	1 July 2009
SIRTEL 2009	7 May 2009	21 August 2009
Telling e-Portfolio Stories 2009	7 May 2009	10 June 2009
Learning Forum London and e-Portfolio	21 May 2009	22 June 2009
EdReNe - 3rd Strategic Seminar	21 May 2009	3 June 2009
ELS-09	21 May 2009	9 November 2009
Qualifications for lifelong learning and employability	21 May 2009	5 October 2009

Workshops for "Certification of E-Learning in Capacity Building"	21 May 2009	26 May 2009
Quality education for All – Towards openness & innovatio	21 May 2009	8 June 2009
SCORM School 301	31 May 2009	7 June 2009
ADL Webinar: Visual Design Principles for E-learning	31 May 2009	10 June 2009
TELearn 2009	31 May 2009	6 October 2009
Organic.Edunet Winter School	31 May 2009	2 November 2009
CCv1.1 and BasicLTI Inaugural Developer Workshop	11 June 2009	16 July 2009
ViWo 2009	11 June 2009	19 August 2009
S3T 2009	24 June 2009	28 October 2009
JISC Digital Content Conference 2009	24 June 2009	30 June 2009
ADL Registry User Group General and Technical Meeting	6 July 2009	14 July 2009
ADL Registry Hands-On Contributor Workshop	6 July 2009	15 July 2009
ADL Webinar: Choosing Authoring Tools	6 July 2009	15 July 2009
IMS Global Learning Consortium Quarterly Meetings (July 2009)	10 July 2009	13 July 2009
TENCompetence Open Workshop	24 July 2009	19 November 2009
IMS Learning Tools Interoperability Webinar	30 July 2009	31 July 2009
Learning Impact 2010	30 July 2009	17 May 2010
ADL Webinar - Creating Reusable Content with SCORM 2004 (August 2009)	30 July 2009	5 August 2009
ADL Webinar - Choosing Authoring Tools (August 2009)	30 July 2009	12 August 2009
ADL Webinar - Choosing Authoring Tools (July 2009)	30 July 2009	31 July 2009
ADL SCORM School 201	30 July 2009	3 August 2009
e-Learning Asia Conference 2009	30 July 2009	3 September 2009
SE@M 2009 The 3rd international workshop on Search and Exchange of e-le@rning Materials	14 September 2009	4 November 2009
IEEE EDUCON 2010 - IEEE Engineering Education	14 September 2009	14 April 2010
Going Global 4 - The UK's International Education Conference	14 September 2009	24 March 2010
CSEDU 2010 - 2nd International Conference on Computer Supported Education	14 September 2009	7 April 2010
ICEED 2009 - International Congress on Engineering Education	14 September 2009	7 December 2009
ED-MEDIA 2010 - World Conference on Educational Multimedia, Hypermedia & Telecommunications	14 September 2009	28 June 2010
InSite 2010 - Informing Science & IT Education	14 September 2009	17 June 2010

SIGCSE 2010 - The 41st ACM Technical Symposium on Computer Science Education	14 September 2009	10 March 2010
EERA 2010 - Eastern Educational Research Association Annual Conference	14 September 2009	10 February 2010
OpenACS and .LRN Conference 2009	14 September 2009	3 November 2009
CATE 2009 - Computers and Advanced Technology in Education	14 September 2009	22 November 2009
IMS Quarterly Meetings October 2009	14 September 2009	19 October 2009
E-learning 2010 - The 3rd Annual Forum on e-Learning Excellence in the Middle East	14 September 2009	1 February 2010
CNIE 2010 - Canadian Network for Innovation in Education Conference	14 September 2009	16 May 2010
ICT 2010 - International Conference on Teaching and Learning	14 September 2009	30 June 2010
Learning Forum London 2010	14 September 2009	5 July 2010
INTERTECH 2010	17 September 2009	7 March 2010
ASPECT Workshop in Vigo	24 September 2009	14 December 2009
CEN/TC 353 Plenary Meeting	29 September 2009	1 October 2009
ICLS 2010	29 September 2009	29 June 2010
DIGITEL 2010	1 October 2009	12 April 2010
WMUTE 2010	1 October 2009	12 April 2010
EDUCASE 2009	1 October 2009	3 November 2009
SCORM School 201 (October 2009)	1 October 2009	5 October 2009
ADL Webinar - Sequencing SCORM 2004 Content, Part 1 (October 2009)	1 October 2009	8 October 2009
ADL Webinar: Introduction to SCORM (October 2009-1)	1 October 2009	7 October 2009
ADL Webinar: Introduction to SCORM (October 2009-2)	1 October 2009	9 October 2009
ADL Webinar - Sequencing SCORM 2004 Content, Part 2 (October 2009)	1 October 2009	15 October 2009
ADL Webinar: Visual Design Principles for E-learning	1 October 2009	7 October 2009
ADL Webinar: Virtual Worlds for Training	1 October 2009	14 October 2009
JISC CETIS Conference 2009	1 October 2009	10 November 2009
JISC CETIS Widget Meet-up	1 October 2009	13 October 2009
Innovating e-Learning online conference 09	1 October 2009	24 November 2009
ReSyFac – Reference System for Facilitators of Learning - Project Final Conference	1 October 2009	29 October 2009
Dublin Core Tutorial	1 October 2009	17 December 2009
ADL Webinar: Visual Design Principles for Reusable Learning Content (October 2009)	1 October 2009	14 October 2009
Create, run and improve support websites for language teachers	1 October 2009	5 November 2009

An Information and Face2Face Brokerage event in the field of Information and Communication Technologies of the 7th Framework Programme (ICT, FP7)	1 October 2009	20 October 2009
SITE 2010	19 October 2009	29 March 2010
2nd Annual Meeting European Competency SIG	19 October 2009	1 December 2009
Global Learn Asia Pacific 2010	19 October 2009	17 May 2010
TenCompetence symposium 2010	19 October 2009	10 December 2009
ADL Webinar: SCORM 2004 4th Edition Overview (October 2009)	22 October 2009	28 October 2009
ADL Webinar - SCORM 301 (November 2009)	22 October 2009	2 November 2009
ADL Webinar: Choosing Authoring Tools (October 2009)	22 October 2009	30 October 2009
ADL Webinar: Visual Design Principles for Reusable Learning Content (November 2009)	22 October 2009	4 November 2009
3rd EdReNe expert workshop	22 October 2009	18 November 2009
Curriculum innovation and reform: policies and practices	22 October 2009	9 November 2009
Information & Communication Technology in Natural Science Education 2009	22 October 2009	26 November 2009
12th Annual International Conference on Education	22 October 2009	24 May 2010
Guide Workshop in Rome 2010	22 October 2009	18 March 2010
2nd Paris International Conference on Education, Economy and Society	22 October 2009	21 July 2010
LEARNTEC 2010	22 October 2009	2 February 2010
12th International LLinE Conference	22 October 2009	27 January 2010
TL 2009	22 October 2009	7 December 2009
MISC 2010	22 October 2009	20 January 2010
ICETA 2009	22 October 2009	19 November 2009
ICOLD 2009	22 October 2009	27 November 2009
ICVP&MedBiquitous 2010	31 October 2009	26 April 2010
IMS Quarterly Meetings	31 October 2009	8 February 2010
ITS 2010	31 October 2009	14 June 2010
EDM2010	31 October 2009	11 June 2010
WBE 2010	5 November 2009	15 March 2010
ICALT 2010	5 November 2009	5 July 2010
TELDAP 2010	5 November 2009	2 March 2010
IEEE-IBM TEE 2010	5 November 2009	6 April 2010
ICICTE 2010	5 November 2009	8 July 2010
ADL Webinar SCORM 4th Edition Overview (November 2009)	5 November 2009	6 November 2009

ADL Webinar: Sequencing SCORM 2004 Content Part 1	5 November 2009	12 November 2009
ICED 2010	5 November 2009	28 June 2010
ADL Webinar: SCORM 2004 4th Edition Overview	14 November 2009	18 November 2009
ADL Webinar: Sequencing SCORM 2004 Content Part 2	14 November 2009	19 November 2009
ADL Webinar: Introduction to SCORM	14 November 2009	20 November 2009
Hypertext 2010	14 November 2009	13 June 2010
LIDA 2010	19 November 2009	24 May 2010
I/ITSEC 2009	19 November 2009	30 November 2009
T4E 2010	19 November 2009	1 July 2010
Mobile Learning 2010	19 November 2009	19 March 2010
e-Society 2010	19 November 2009	18 March 2010
EDEN 2010	19 November 2009	9 June 2010
LATWF 2010	19 November 2009	11 January 2010
EARLI/Northumbria Assessment Conference 2010	19 November 2009	1 September 2010
JURE 2010	19 November 2009	19 July 2010
JTEL Winter School on Advanced Learning Technologies 2010	19 November 2009	1 February 2010
SIF Association Annual Meeting 2010	19 November 2009	13 January 2010
FIE 2010	20 November 2009	27 October 2010
ELIG at Online Educa Berlin 2009	1 December 2009	2 December 2009
ICELW 2009	1 December 2009	9 June 2010
ALT-C 2010	1 December 2009	7 September 2010
The Future of Interoperability and Standards in Education	1 December 2009	12 January 2010
CEN WS-LT 40th Meeting January 2009	1 December 2009	11 January 2010
GAMETECH 2010	1 December 2009	29 March 2010
DC-2010	1 December 2009	20 October 2010
ADL Webinar: Introduction to SCORM (December 2009-I)	8 December 2009	9 December 2009
ADL Webinar: Sequencing SCORM 2004 Content Part 1 (December 2009)	8 December 2009	10 December 2009
ADL Webinar: Introduction to SCORM (December 2009 II)	8 December 2009	11 December 2009
ADL Webinar: Sequencing SCORM 2004 Content Part 2 (December 2009)	8 December 2009	17 December 2009
ADL Webinar: Contributing to the ADL Registry (December 2009)	8 December 2009	18 December 2009
ADL Webinar: Visual Design Principles for Reusable Learning Content (December 2009)	8 December 2009	16 December 2009
METAcognition 2010	8 December 2009	26 May 2010
Educational Neuroscience 2010	8 December 2009	3 June 2010
CBLIS 2010	8 December 2009	4 July 2010
Comprehension of Text and Graphics 2010	8 December 2009	26 August 2010

Learning and Development in Childhood 2010	8 December 2009	23 August 2010
Expo eLearning 2010	15 December 2009	24 February 2010
GameDays 2010	15 December 2009	25 March 2010
SPDECE 2010	15 December 2009	30 June 2010
KAAMBAL 2010	15 December 2009	30 June 2010
LICE 2010	15 December 2009	6 September 2010
Dev8D 2010	15 December 2009	24 February 2010
JISC Conference 2010	15 December 2009	12 April 2010
MCCSIS 2010	22 December 2009	26 July 2010
Moving Through Cultures of Learning	22 December 2009	2 September 2010
Instructional Design for Motivated and Cmpetent Learning in a Digital World	22 December 2009	30 August 2010
12th International Conference on Motivation with preceding Summer School	22 December 2009	30 August 2010
Future Visions for Learning and Teaching	22 December 2009	13 June 2010
UMAP 2010	29 December 2009	20 June 2010
CAFVIR 2010	29 December 2009	24 February 2010
eLearning Africa 2010	29 December 2009	26 May 2010
CATE 2010	29 December 2009	23 August 2010
XIV IOSTE Symposium 2010	29 December 2009	13 June 2010
AMCIS 2010	7 January 2010	12 August 2010
ITI 2010	7 January 2010	21 June 2010
LiLa Meeting	7 January 2010	14 January 2010
I2GEO 2010	7 January 2010	2 July 2010
ATEE Winter Conference 2010	15 January 2010	26 February 2010
ICAE 2010	15 January 2010	21 April 2010
ePortfolio 2010 - Learning Forum London	23 January 2010	5 July 2010
E-Learning Ecosystems - IEEE DEST 2010	23 January 2010	12 April 2010
TECH-EDUCATION 2010	23 January 2010	19 May 2010
E-LEARN 2010	23 January 2010	18 October 2010
Web Services Harmonization Meeting	23 January 2010	12 February 2010
ICCE 2010	4 February 2010	29 November 2010
TRACE 2010	4 February 2010	25 June 2010
3rd MODERN 2010 Conference	4 February 2010	7 May 2010
PBL 2010	4 February 2010	8 February 2010
CLAIU-EU 2010	4 February 2010	12 February 2010
RosEvaluation Conference 2010	4 February 2010	9 April 2010
ITHET 2010	4 February 2010	29 April 2010
2010 ASEE Annual Conference & Exposition	4 February 2010	20 June 2010
REV 2010	4 February 2010	29 June 2010
IMCL 2010	4 February 2010	7 July 2010
EDU 2010	4 February 2010	4 October 2010
NML 2010	12 February 2010	22 February 2010
Learning Solutions Conference & Expo	12 February 2010	24 March 2010
Webinar: Federated Registry Architectures	12 February 2010	19 February 2010
Webinar: Introduction to SCORM	12 February 2010	17 February 2010
Webinar: Sequencing SCORM 2004 Content Part 1	12 February 2010	18 February 2010

Webinar: Creating Reusable Content with SCORM 2004	12 February 2010	24 February 2010
IEEE LTSC Annual Meeting	18 February 2010	22 March 2010
Making Learning Technology Standards Workshop	18 February 2010	8 March 2010
QMHE 2010	18 February 2010	8 July 2010
TICE 2010	18 February 2010	6 December 2010
JTEL Summer School	18 February 2010	7 June 2010
EdReNe Strategic Seminar	26 February 2010	24 March 2010
e-HRM 2010	26 February 2010	20 May 2010
iCTLT 2010	26 February 2010	2 March 2010
Touchpoint 2010	26 February 2010	4 March 2010
ADL Registry/Repository Summit	1 March 2010	13 April 2010
ADL Webinar: Creating Reusable Content with SCORM 2004 (March 2010)	4 March 2010	12 March 2010
ADL Webinar: Contributing to the ADL Registry (March 2010)	4 March 2010	5 March 2010
ADL Webinar: Choosing Authoring Tools (March 2010)	4 March 2010	10 March 2010
ADL Webinar: Visual Design Principles for Reusable Learning Content (March 2010)	4 March 2010	17 March 2010
Intellectual Property Rights (IPR) and licensing in the creation and curation of digital content	4 March 2010	8 March 2010
Digital scholarship: Advanced technologies for research	4 March 2010	10 March 2010
The Guardian Higher Education Summit 2010: The future of higher education	4 March 2010	11 March 2010
eChallenges 2010	4 March 2010	27 October 2010
2010 SIF Association Spring Developer Camp	4 March 2010	13 April 2010
SIF Excellence Awards Program	4 March 2010	6 May 2010
2010 SIF Association End User Meeting	4 March 2010	6 May 2010
ICT CONFERENCE 2010	11 March 2010	25 March 2010
Sloan-C Blended Learning Conference and Workshop	11 March 2010	19 April 2010
Conference on College Teaching and Learning	11 March 2010	19 April 2010
3D Learning	11 March 2010	12 March 2010
eTrain 2010	11 March 2010	11 April 2010
ICETC 2010	22 March 2010	22 June 2010
CEN/WS-LT Meeting	22 March 2010	19 April 2010
Open Educational Resources	25 March 2010	16 April 2010
CICE 2010	25 March 2010	26 April 2010
i-Society 2010	25 March 2010	28 May 2010
eLBa 2010	25 March 2010	1 July 2010
ICDIM 2010	25 March 2010	5 July 2010
ICTEL 2010	25 March 2010	29 July 2010
FL 2010	9 April 2010	10 May 2010
TLIS 2010	9 April 2010	6 June 2010
EDULEARN 2010	9 April 2010	5 July 2010

MCCE Workshop 2010	15 April 2010	30 June 2010
ADL Webinar: Introduction to SCORM (April 2010)	15 April 2010	21 April 2010
ADL Webinar: Creating Reusable Content with SCORM 2004 (April 2010)	15 April 2010	23 April 2010
ADL Webinar: Contributing to the ADL Registry Version 1.7 (April 2010)	15 April 2010	16 April 2010
ADL Webinar: Choosing Authoring Tools (April 2010)	15 April 2010	28 April 2010
Open Science Resources Workshop	15 April 2010	2 June 2010
Modelling social interactions and environments: advanced techniques for the Arts and Social Sciences	15 April 2010	21 April 2010
Researching and evaluating personal development planning and e-portfolio	15 April 2010	26 April 2010
HR-XML Spring 2010	26 April 2010	13 May 2010
PLATO@50	26 April 2010	2 June 2010
LEAFA 2010	26 April 2010	3 June 2010
Platforms and tools for e-learning	6 May 2010	21 May 2010
AIMSA 2010	6 May 2010	8 September 2010
MTDL 2010	6 May 2010	29 October 2010
Introduction to ADL (May 2010)	6 May 2010	25 May 2010
ADL Webinar: Introduction to SCORM (May 2010)	6 May 2010	7 May 2010
ADL Webinar: Creating Reusable Content with SCORM 2004 (May 2010)	6 May 2010	12 May 2010
ADL Webinar: Introduction to SCORM (May 2010)	6 May 2010	12 May 2010
ADL Webinar: Choosing Authoring Tools (May 2010)	6 May 2010	19 May 2010
ASPECT International workshop for teachers	6 May 2010	7 May 2010
ASPECT Webinar: Common Cartridge	13 May 2010	25 May 2010
ASPECT Webinar: Content Packaging	13 May 2010	8 June 2010
ASPECT Webinar: Conformance Testing	13 May 2010	22 June 2010
Open EUScreen Workshop	14 May 2010	23 June 2010
ASPECT Workshop	14 May 2010	15 June 2010
eMadrid Seminar	14 May 2010	21 May 2010
EDGE 2010	14 May 2010	12 October 2010
Open Ed 2010	14 May 2010	2 November 2010
GLoCALL 2010	14 May 2010	1 December 2010
FIAT/IFTA World Conference & General Assembly 2010	20 May 2010	15 October 2010
ONLINE EDUCA BERLIN 2010	6 June 2010	1 December 2010
ICWL 2010	6 June 2010	8 December 2010
SALL 2010	6 June 2010	4 November 2010
ICERI 2010	6 June 2010	15 November 2010
I eMadrid Conference on e-Learning	17 June 2010	30 June 2010
ADL Webinar: Introduction to SCORM (June	17 June 2010	23 June 2010

2010)		
ADL Webinar: Visual Design Principles for Reusable Learning Content	17 June 2010	18 June 2010
ADL Webinar: Choosing Authoring Tools (June 2010)	17 June 2010	25 June 2010
Concepts in Context	17 June 2010	19 July 2010
IMS GLC Quarterly Meetings & European Projects Using IMS Standards Summit	25 June 2010	2 August 2010
IMS/ASPECT Webinar: Teachers' use of IMS Common Cartridge	1 July 2010	13 July 2010
IMS Webinar: Run Course Content Anywhere	1 July 2010	24 August 2010
IMS Webinar: Addressing Student Retention and Institution-specific Learning Technology Procurement	1 July 2010	7 September 2010
IMS Webinar: Learning Information Services	1 July 2010	12 October 2010
CELDA 2010	1 July 2010	15 October 2010
Track on Intelligent, Interactive and Innovative Learning environments	12 August 2010	21 March 2011
SPeL 2010	12 August 2010	30 August 2010
ETT 2010	19 August 2010	27 November 2010
EDUCON 2011	19 August 2010	4 April 2011
ICOACE 2011	19 August 2010	5 May 2011
CSEIT 2010	19 August 2010	6 December 2010
eLSE 2011	19 August 2010	28 April 2011
ICDL 2010	19 August 2010	3 October 2010
STEG 2010	19 August 2010	8 December 2010
ACE 2010	19 August 2010	2 December 2010
VARE 2011	19 August 2010	18 March 2011
CSEE&T 2011	19 August 2010	22 May 2011
First EUscreen International Conference	19 August 2010	7 October 2010
Media and Learning 2010	19 August 2010	25 November 2010
CMI Data Model Harmonization Meeting and AICC Summit	2 September 2010	7 September 2010
ELS2010	2 September 2010	27 October 2010
ICEMT 2010	2 September 2010	2 November 2010
EdReNe Seminar	10 September 2010	6 October 2010
IMS GLC Quarterly Meetings	10 September 2010	15 November 2010
EDUCAUSE 2010	10 September 2010	12 October 2010
What metadata is really useful?	15 September 2010	18 October 2010
ITS 2010	15 September 2010	29 November 2010
CSEDU 2011	15 September 2010	6 May 2011
CD4TEL 2011	15 September 2010	20 June 2011
Diverse 2011	15 September 2010	28 June 2011
Analytics 2011	15 September 2010	27 February 2011
ASPECT Webinar: Harvesting Metadata	22 September 2010	5 October 2010

ICIMT 2010	24 September 2010	28 December 2010
eLearningAP 2010	24 September 2010	16 December 2010
Effective Teaching and Learning in Higher Education	24 September 2010	10 December 2010
IC4E 2011	24 September 2010	7 January 2011
e-CASE & e-Tech 2011	24 September 2010	18 January 2011
ECEL 2010	1 October 2010	4 November 2010
ED-Media 2011	1 October 2010	27 June 2011
eLearning Africa 2011	1 October 2010	25 June 2011
ASPECT Webinar: Common Cartridge and Moodle	1 October 2010	19 October 2010
ICETA 2010	1 October 2010	27 October 2010
Games, Learning and Mobility	8 October 2010	15 October 2010
ICIET 2011	8 October 2010	26 January 2011
eLi 2011	8 October 2010	21 February 2011
Flat Classroom(tm) Conference 2011	8 October 2010	25 February 2011
CICE 2011	8 October 2010	4 April 2011
Global TIME	14 October 2010	22 February 2011
SITE conference 2001	14 October 2010	7 March 2011
ICALT 2011	14 October 2010	6 July 2011
MedBiquitous Annual Conference 2011	14 October 2010	9 May 2011
eMadrid Seminar on "m-learning: mobile and ubiquitous learning"	21 October 2010	12 November 2010
ICELW 2011	21 October 2010	8 June 2011
CATE 2011	21 October 2010	11 July 2011
IETC 2010	21 October 2010	25 May 2011
Mobile Learning 2011	21 October 2010	10 March 2011
IMS GLC Webinar: IMS Learning Tools Interoperability	21 October 2010	9 November 2010
ASPECT Webinar: Harvesting Metadata (2nd edition)	25 October 2010	27 October 2010
ASPECT Webinar: Controlled vocabularies. How can you make words make sense?	25 October 2010	9 November 2010
ICTA 2011	28 October 2010	5 May 2011
EUROCON 2011 and CONFEL 2011	28 October 2010	27 April 2011
Cedefop peer learning event on Guidance	28 October 2010	25 November 2010
E-learn 2011	4 November 2010	17 October 2011
Global Learn Asia Pacific 2011	4 November 2010	28 March 2011
ASPECT Webinar: Common Cartridge and Moodle (2nd edition)	4 November 2010	10 November 2010
SWEL 2011	10 November 2010	18 May 2011
ICICTE 2011	10 November 2010	7 July 2011
CICIS 2011	10 November 2010	30 June 2011
IMS Learning Impact 2011	10 November 2010	16 May 2011
Telespain 2010	10 November 2010	29 November 2010

APTEL 2011	10 November 2010	12 August 2011
EISTA 2011	10 November 2010	19 July 2011
GAMETECH 2011	10 November 2010	21 March 2011
EVALtrends 2011	10 November 2010	9 March 2011
ASPECT Metadata Plugfest	11 November 2010	18 January 2011
ASPECT Vocabulary Bank for Education	21 November 2010	26 November 2010
Aspect Webinar: A publishers perspective on Learning Technology Standards	21 November 2010	23 November 2010
Quelle harmonisation pour la description et la mutualisation des ressources pedagogiques en ligne dans l'enseignement scolaire?	24 November 2010	25 November 2010
CISTI 2011	24 November 2010	15 June 2010
GBL 2011	24 November 2010	3 July 2011
eMadrid Seminar on "Instructional design in multidimensional environments"	24 November 2010	10 December 2010
Sulinetwork	30 November 2010	2 December 2010
Large Scale Educational Projects in the Public Sector	30 November 2010	3 December 2010
Plugfest: Building Interoperability Across Metadata Application Profiles	30 November 2010	18 January 2011
ASPECT Strategic Seminar on Educational Publishing Futures	30 November 2010	17 February 2011
ASPECT Webinar: "A user perspective: Learning Technology Standards"	30 November 2010	14 December 2010
ESIT 2011	8 December 2010	1 June 2011
ITME 2011	8 December 2010	5 August 2011
CSERC 2011	8 December 2010	7 April 2011
ITiCSE 2011	8 December 2010	27 June 2011
CollabTech 2011	8 December 2010	29 August 2011
IICE 2011	8 December 2010	3 October 2011
IICE 2011	8 December 2010	3 October 2011
FINTDI 2011	8 December 2010	5 May 2011
Edutainment 2011	17 December 2010	7 September 2011
eLearning and Instructional Design	17 December 2010	2 February 2011
mLearn 2011	17 December 2010	18 October 2011
eMadrid Seminar on "Learning Process Design"	23 December 2010	14 January 2011
Scientix European Conference	23 December 2010	6 May 2011
ICCS2ET 2011	23 December 2010	1 April 2011
eLearning Africa 2011	23 December 2010	25 May 2011
Smart E-Learning Russia 2011	23 December 2010	8 June 2011
BETT 2011	4 January 2011	12 January 2011
Distance Teaching & Learning 2011	4 January 2011	3 August 2011
FECS 2011	4 January 2011	18 July 2011
ICTEL 2011	4 January 2011	25 July 2011
JISC 2011	14 January 2011	14 March 2011
Educatio 2011	14 January 2011	21 January 2011
ICTL 2011	14 January 2011	14 November

		2011
Standardised Content for learning Management systems	14 January 2011	26 January 2011
Linked Learning 2011	21 January 2011	29 May 2011
ICEL 2011	21 January 2011	27 June 2011
Learning@School 2011	21 January 2011	23 February 2011
EETC 2011	3 February 2011	2 March 2011
ASPECT Interoperability of Educational Contents	3 February 2011	10 February 2011
eRC 2011	3 February 2011	28 March 2011
DRLE 2011	3 February 2011	29 April 2011
JTEL Summer School 2011	10 February 2011	30 May 2011
eMadrid Seminar on “Collaborative learning and Social Media”	10 February 2011	11 February 2011
Theory and Practice in Education 2011	10 February 2011	9 June 2011
Ubiquitous Learning 2011	10 February 2011	11 November 2011
Enabling Access to Higher Education 2011	10 February 2011	4 December 2011
LiLa Conference 2011	10 February 2011	11 April 2011
e-Learning 2011	10 February 2011	20 July 2011
ASPECT Standards for digital learning resources	16 February 2011	21 February 2011
ASPECT Standards for digital learning resources	16 February 2011	22 February 2011
Webinar: Applications for Outcome-based Learning	16 February 2011	17 February 2011
UNIVEST 2011	16 February 2011	16 June 2011
MME 2011	16 February 2011	11 July 2011
eMadrid Seminar on “Semantic Web: Experiences, current status and trends”	24 February 2011	11 March 2011
Challenges 2011	24 February 2011	12 May 2011
TLHE 2011	24 February 2011	6 December 2011
CHED 2011	24 February 2011	23 July 2011
RoEduNet 2011	24 February 2011	23 June 2011
EDM 2011	24 February 2011	6 July 2011
AFASES 2011	24 February 2011	26 May 2011
NISO/DCMI Webinar "Metadata Harmonization: Making Standards Work Together"	24 February 2011	16 March 2011

7.5 Call for Papers

7.5.1 IEEE RITA

Llamado a Artículos

Edición Especial del

IEEE-RITA

<http://webs.uvigo.es/cese/RITA/>

["Adoptando Estándares y Especificaciones para Contenidos Educativos"](#)

ISSN: 1932-8540

(IEEE Sociedad de la Educación)

Antecedentes

La multiplicación de los sistemas de aprendizaje electrónico en las últimas décadas, la proliferación de cursos y contenidos online, la existencia de miles de instituciones de enseñanza virtual han hecho necesaria la realización de importantes esfuerzos en el ámbito de la estandarización de las tecnologías educativas.

Este proceso de estandarización ha tenido como objetivo fundamental permitir la reutilización de contenidos educativos que pudiesen ser utilizados por sistemas de aprendizaje electrónico interoperables entre sí. Los principales impulsores de este proceso fueron el departamento de defensa norteamericano y el consorcio de la industria de la Aviación en ese mismo país. Ambas instituciones ya en la década de los 90 se percataron, como grandes consumidores de software y contenidos educativos, de la necesidad de establecer un proceso de normalización. A principios de este milenio eran ya varias las instituciones y proyectos en todo el mundo que se ocupaban de la normalización en este ámbito y el surgimiento de especificaciones se fue multiplicando. El primer estándar oficial: Learning Object Metadata (LOM) fue publicado por el IEEE Learning Technology Standards Committee en julio de 2002. Desde entonces tenemos decenas de estándares avalados por instituciones de normalización como ISO, CEN o IEEE. Asimismo son múltiples las especificaciones y modelos de referencia que surgen a un ritmo mucho más rápido dentro de consorcios como IMS o ADL.

Esta edición especial pretende recoger trabajos que puedan ser considerados como previos a una etapa posterior de normalización, identificar campos de actuación que puedan ser susceptibles de necesitar un proceso de estandarización y también recoger experiencias de uso de herramientas y contenidos conformes a estándares y especificaciones para validar la potencial utilidad de éstos.

Tópicos

Las áreas de interés de esta edición especial incluyen, sin ser limitativas, los siguientes tópicos:

- Desarrollo de herramientas y contenidos conformes a estándares
- Comparativas entre especificaciones (e.g. SCORM vs Common Cartridge)

- Análisis de especificaciones recientes (e.g. IMS LODE, IMS Common Cartridge)
- Experiencias en el uso de herramientas y contenidos conformes a estándares.
- Identificación y justificación de nuevos ámbitos susceptibles de estandarización.
- Interconexión de herramientas de e-learning heterogéneas.
- Estrategias para la reutilización de contenidos.
- Resultados de proyectos centrados en la investigación o uso de estándares para tecnologías educativas.

Fechas Importantes

- Fecha de entrega de artículos para evaluación de pares (Envío directo al Editor
- Invitado): 31 de Marzo del 2011.
- Notificación de aceptación: 31 de Mayo del 2011.
- Entrega del artículo listo para publicación: 15 de Julio del 2011.

Envío de Artículos

- Deberá ser enviados directamente al Editor Invitado lanido@det.uvigo.es
- El artículo deberá cumplir con el formato y guías de IEEE-RITA para el envío de trabajos: <http://webs.uvigo.es/cesei/RITA/>
- El artículo deberá estar escrito en español o portugués, con el formato de revista del IEEE:
http://www.ieee.org/portal/cms_docs/pubs/transactions/TRANS-JOUR.DOC
- La extensión máxima recomendada es de 8 páginas. Además se deberá proporcionar un resumen en inglés del artículo de no más de 100 palabras.

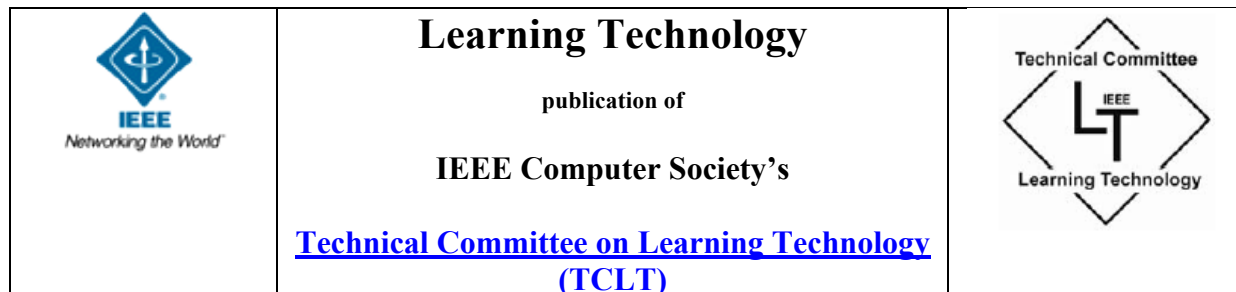
Editor Invitado

Prof. Luis Anido Rifón
Departamento de Ingeniería Telemática
Universidade de Vigo, España

ASPECT WP4 leader
Director del CEN Learning Technology Standards Observatory (LTSO)
<http://www.cen-ltso.net>
Co-secretario técnico AENOR CTN71 SC36
CEN WS LT
CEN TC353

Email: lanido@det.uvigo.es

7.5.2 IEEE Learning Technology Newsletter



Call For Articles – LEARNING TECHNOLOGY NEWSLETTER (ISSN 1438-0625)
publication of IEEE Computer Society Technical Committee on Learning Technology (TCLT)

<http://www.ieeetclt.org/content/newsletter>

SPECIAL ISSUE ON Adopting Standards and Specifications for Educational Content

Guest Editor:

Prof. Dr. Luis Anido Rifón
Departamento de Ingeniería Telemática
Universidade de Vigo, España

ASPECT WP4 leader

Director of CEN Learning Technology Standards Observatory (LTSO) <http://www.cen-ltso.net>

AENOR CTN71 SC36. Technical secretary

CEN WS LT

CEN TC353

Email: lanido@det.uvigo.es

* Deadline for submission: **May 31st, 2011**

Learning Technology Newsletter aims at publishing and disseminating current research about new and emerging learning technologies as well as their design, usage, application, and evaluation in different contexts of technology enhanced learning.

The proliferation of educational content, online courses and LMS during the past decade made it necessary to start a standardization process. This process has as its main objective to allow for the reuse of Learning Objects (LOs) and the interoperability among heterogeneous systems. Initially, standardization in this area was started by the US Department of Defense (DoD) and the Aviation Industry CBT Committee (AICC) among others. As massive consumers of educational content and software they realized in the mid 90's that there was a need for defining common rules, norms and specifications. The first official standard, backed by a standardization body, was the well-known Learning Object Metadata (LOM) published by the IEEE Learning Technology Standards Committee in July 2002. Since then, dozens of standards were published by standardization bodies like ISO, CEN or the IEEE. This process

is well aligned with a less formal more agile specification production process by other institutions like IMS or US DoD Advanced Distributed Learning (ADL).

This special issue aims to gather those works that can be considered as a pre-step to the formal standardization process, identifying those working fields where standardization may be needed, and also to present best practices on the use of tools and contents compliant with existing standards and specifications.

The main areas of interest for this special issue are:

- Development of tools and educational contents compliant with standards and specifications
- Comparison between “competing” specifications/standards (e.g. SCORM vs Common Cartridge)
- Analysis of recent specifications/standards (e.g. IMS LODE)
- Practical experiences in the use of tools and contents compliant with standards.
- Identification of new areas/needs that may be subject to future standardization.
- Interoperability between heterogeneous e-learning tools.
- Strategies to reuse educational contents
- Results from projects in the field of standards and specifications for learning technologies.

We invite short articles, case studies, and project reports for October issue. This special issue will be published in Volume 13, Issue 4 (October, 2011).

** The newsletter is of non-refereed nature though the articles will be selected and edited by the Guest Editor. **

* Submission procedure:

1. The articles in the newsletter are limited to 1000 words.
Over-length articles will not be published.

2. The manuscripts should be either in Word or RTF format.
Any figures used in the contributions would be required separately in a graphic format (gif or jpeg). The figures should also be embedded in the text at appropriate places.

3. Please send the manuscripts by email as attachment to lanido@det.uvigo.es (Subject: Learning Technology October 2011 Submission).

4. In the email, please state clearly that the manuscript is original material that has not been published, and is not being considered for publication elsewhere.

For further information please see <http://www.ieeetclt.org/content/newsletter>.