

EdReNe 'Athens' Seminar Agenda

24 April, 2017

12:30 Registration and Arrival

13:00 Welcome

13:10 Markus Gylling, IMS Global Learning Consortium, Head of Operations Europe

Title: Update on IMS Global standardization activities.

This presentation will give an update on ongoing projects within IMS Global Learning Consortium. Projects covered will include learning analytics (Caliper, xAPI), curriculum standards (OneRoster, CASE), digital credentials (Open Badges, Extended Transcript) and new services in LTI. The presentation will also discuss the scope and goals of the IMS Europe effort.

14:15 Bram Faems, KlasCement, Belgium

Title: UX Design techniques to encourage user engagement

In 2014-2016 KlasCement examined user acceptance of social networking and gamification elements within the OER portal. We wanted to know whether badges, points and a focus on the profiles of members would lead to an increase in generative behavior (giving scores, comments and sharing OER). Because the user feedback on the prototypes was (very) negative, KlasCement decided to go for an approach that was closer to the personal goals of users: more guidance to the possibilities of KlasCement throughout the user journey.

14:50 Dr. Cleo Sgouropoulou, Technological Educational Institute (TEI) of Athens

Title: Strengthening Learning to Employment Pathways through competence-based IT services

Mobility is increasingly in demand across Europe, by individuals seeking education and work, and by institutions and companies wanting to recruit more widely. The European Union continues to respond to this need, with frameworks and instruments which relate to expressing work-related competence. The representation, exchange and reuse of learning outcome and competence information is an important and necessary step towards outcome-based Education and Training practice that ensures higher transparency, mobility and employability of European lifelong learners. What is needed now are technical models, specifications, standards and related practices, to allow ICT systems to represent and communicate information about learning opportunity outcomes and individuals' acquired and desired skill and competence. Dr Cleo Sgouropoulou will present significant European-wide activities towards the electronic representation of learning outcome and competence descriptions, their integration to European instruments and the implementation of related IT services for the management and exchange of competence information for strengthening professional learning and training to employment pathways.

15:40 Break

16:10 Dr. Anastasios Koutoumanos, Managing Director of Eummena

Title: Quality Frameworks for Open Education

The session is related to the activities of MOOQ, the European Alliance for Quality of Massive Open Online Courses and Open Education. MOOQ's main long-term goal is the improvement of future online courses and associated educational resources, by developing quality indicators, metrics, and instruments. Dr Anastasios Koutoumanos shall highlight the rationale and the outcomes of MOOQ's recent activities. Furthermore, he shall facilitate a discussion among all participants on the quality debate and the different opinions, aspects and perspectives of all stakeholders.

17:00 Eva Mjovik, Centre for ICT Education, Norway and Are Mjølshnes, UDIR Norway

Title: News from Norway

Learning technology - Metadata for learning resources; new standard
National working group on Learning Analytics
Work in progress Norwegian Directorate for Education on mapping content/curriculum

17:30 Dr. Elina Megalou, CTI and Chair of the LRE-subcommittee, Greece

Title: News from Greece

Digital School II Project: Photodentro OER Repositories & National Aggregator, Interactive Textbooks, and Digital Educational Platform e-me

18:15 Dr. David Massart, European Schoolnet, Belgium

Title: zettaTuktu: Where Big Data Science Meets Learning Object Repositories

The recent advent of Big Data Science has led to the development of a range of powerful open source tools for efficiently extracting, transforming, loading, and analyzing varieties of data (and automating these processes as a whole). During This presentation, I'll introduce zettaTuktu, an open source data suite that we have enriched to easily aggregate and curate learning resource metadata making it the ideal tool to build catalog of open educational resources such as EUN Learning Resource Exchange. As most current data tools, zettaTuktu relies on the JSON data format. Therefore standards relying on a XML binding are increasingly at a disadvantage.

19:00 End of 1st Day

20:30 Self-paid dinner. Restaurant: Somewhere in Athens... **TBD**

25 April 2017

9:00 Arrival

9:20 Welcome

9:30 Dr. Nikos Palavitsinis

Title: Metadata Quality Assurance in Context: The "Education-Culture-Research" Trilogy

This presentation will present the results of the application of a metadata quality assurance process on three distinct cases of repositories. The cases of a learning repository, a research repository and a cultural repository will be presented along with a brief overview of the outcomes. The presentation will attempt to use these case studies but also other cases retrieved from relevant literature, as a starting point, to discuss issues that affect metadata quality and therefore the services offered by such repositories/portals/aggregators of content and/or metadata.

10:15 Niklas Grønlund Lind, Special Adviser, National Agency for IT and Learning, Ministry of Education, Denmark

Title: News from Denmark

Project "Data for Learning Progress" and project "Better sharing of digital learning resources – three developed DK-standards" Reform of the Danish public school in Denmark – Using curriculum including knowledge/skill-objectives for metadating learning objects/content"

11:00 Dr. Fernando Campos, Ministério da Educação e Ciência, Portugal

Title: News from Portugal

Khan Academy in Portuguese and integration of new collections RTP Ensina.

11:30 Lalibel Mohaupt and Marcia van Oploo, Kennisnet, The Netherlands

Title: Connecting Learning Objectives and Content

Kennisnet is a public organisation. Together with the sector counsels we enable the educational sector to realize their ambitions with ICT. Kennisnet hosts the repository for educational concepts (OBK). Currently the main entries in this repository are learning objectives for courses in Primary, Secondary Education and Vocational Education. The OBK enables educational publishers/suppliers to provide their content with learning objective metadata and makes it possible for teachers to find content connected to learning objectives. It also becomes possible to follow a student's progress based on learning objectives.

The "Proeftuin Linked Data Math" is a pilot with OBK. We explore whether this mechanism, of connecting content to learning objectives, helps teachers in forming their lessons. We present our findings thus far and will explain why the "Proeftuin Linked Data Math" made us realize that we need to redesign the OBK. We would also like to discuss our idea on an alternative architecture for the OBK.

12:30 Group discussion and plans for the future

1:30 Lunch

End of Seminar

Guest and New Member Speaker Bios

Bram Faems oversees the user experience design for KlasCement.net. He seeks and develops ways for teachers to easily share their knowledge and concrete materials. Bram was a teacher, ICT coordinator, and has been working for KlasCement for seven years. First as a moderator, publishing the resources of teachers in special education on the website. Now leading the small team of developers, improving KlasCement by doing research and by designing user centric solutions. Bram is finishing his studies to be a master in Training and Educational Sciences. He has a passion for new technology and innovation. His mission is to combine teaching with new technologies. He was the organizer of the first Edcamp in Flanders.

Markus Gylling is the Solutions Architect for IMS Global Learning Consortium. Previously, Markus was the CTO of the International Digital Publishing Forum (IDPF), the trade and standards group responsible for the EPUB standard interchange and delivery format for eBooks and other digital publications. Markus was the co-chair of the IDPF EPUB 3 Working Group, as well as co-chair of the W3C Digital Publishing Interest group. Markus was also CTO of the DAISY Consortium, a global partnership of organizations committed to creating the best way to read and publish, for everyone. Through his work with DAISY he has during the past one and a half decades been engaged in the development of global scale specifications, tools and educational efforts for the realization of inclusive and accessible e-publishing and e-reading. Markus served as the Advisory Committee representative for DAISY at W3C. Prior to his work with DAISY and IDPF, Markus worked as head of systems engineering at the swedish government agency MTM, and prior to that as research assistant at the VSSO psychiatric research and development unit. Markus holds a B.Sc. in sociology and statistics from Stockholm University. Markus lives and works in Stockholm, Sweden.

Dr Anastasios Koutoumanos is the managing Director of Eummena and responsible for the technical coordination of Eummena's R&D actions to advance, open up, and exchange research outcomes and best practices in the field of learning technologies, professional development, and digital media. He holds a PhD in Software Engineering from the National Technical University of Athens, Greece (1999). His research and scientific expertise is focused on the design, development, utilization, management, and evaluation of processes and resources for learning and personal development. He is involved in various standardisation activities related to educational technology and has participated as an expert in the European Standardization Committee (CEN) Workshop on Learning Technologies. Anastasios has an long-standing experience in leading

and coordinating international teams, having been active for more than a decade in R&D projects, and the exchange of EU know-how, expertise, and best practices with neighbouring Mediterranean, Middle East and North Africa countries.

Lalibel Mohaupt works at [Kennisnet](#) as an interoperability adviser to enhance personalised education. Her work has always been related to education and standardisation. Her wish is to make education more flexible and open. Along with her role as an interoperability advisor, she is the project manager of the “Linked Data Math Pilot”. In this pilot, learning materials are connected to learning objectives. This could help teachers find suitable learning material for students, follow student progress and to justify their given education. Together with teachers that use the application, Lalibel explores the value of this solution.

Kennisnet is a public organisation for education and ICT that collaborates with the sector counsels of primary, secondary and vocational education to ensure that the position of schools is strengthened. For example, by closing the gap between supply and demand in the area of digital materials.

Dr. Nikos Palavitsinis holds a BSc on Management Information Systems from Athens University of Economics & Business (2004), an MSc on Geographical Information Systems from the Agricultural University of Athens (2007) and a PhD on Metadata Quality from University of Alcalá de Henares (2014). He has been actively involved in the implementation of e-learning projects both on a national as well as on a European level since 2005 and his main research interests include metadata, metadata quality, digital repositories and digital libraries. In 2014 he joined the [CTI](#) team, as a senior member of the team that supports the quality and completeness of metadata in the Photodentro repositories, also contributing to the documentation of systems and services.

Dr Cleo Sgouropoulou is an Assistant Professor at the [Technological Educational Institute \(TEI\)](#) of Athens and a visiting Lecturer at the National Technical University of Athens (NTUA). Her research interests lie in the field of Learning Technologies and specifically in the development of data models for interoperable information systems. She is a member of the CEN/ISSS “Workshop on Learning Technologies”, the CEN/ISSS Technical Committee 353 “Information and Communication Technologies for Learning, Education and Training” and the ISO/IEC JTC1 Sub-Committee 36 ‘Standards for: Information Technology for Learning, Education and Training’, acting as an expert representative of the Hellenic Organisation for Standardisation (ELOT). She has participated in several CEN standardization projects regarding Learning Object Metadata, Learner Profiles and Reusable Competency Definitions.

Marcia van Oploo, MSc MA, is standardisation expert at [Kennisnet](#) (NL). Her focus is on transforming educational concepts into semantic standards (dutch: OBK) in order to store and release them machine-processable. Marcia is product owner of the OBK API, the portal to release the educational concepts. The main entries in this repository are curricula for all courses in Primary, Secondary Education and Vocational Education. The curricula consist of learning objectives, content types and educational as well as cognitive levels. The semantic standards are coded as Linked Data (rdf) which makes the network flexible and scalable. The goal of the semantic landscape is to support use cases such as: finding learning materials to vary within learning, score the progress information of an objective, and justification of a learning plan to a curriculum.