Switzerland; Jakob Ott, Center For Innovative Teaching And Learning, Switzerland; Christian Rapp, Zurich University of Applied Sciences, Switzerland;

Thesis Writer is a newly created online learning environment, supporting students in mastering the various organizational, cognitive, social and linguistic demands of thesis writing. Users of Thesis Writer are offered tutorials and organizational aids to anticipate, prepare, plan and write their theses. Conceptually, Thesis Writer has been designed in such a way to initiate self-governed and self-organized learning processes, coupled with peer and tutored feedback, if required. Discipline-specific support can be provided when Thesis Writer is integrated into a particular degree program. New tools have been created to support the formulation process by integrating large discipline-specific corpora from which users can derive linguistic support through an integrated IMS Corpus Work Bench. The demonstration will offer insights into the construction principles and will allow participants to try out the functionality of the main tools. So far, Thesis Writer has been tested by a limited number of individuals, but preparations for use within study programs are now under way. Languages available on Thesis Writer are English and German, but others may subsequently be added. It is hoped that Thesis Writer will help optimize one of the most demanding learning processes by guiding students through the challenging task of creating their first extended scientific or scholarly paper.

L 2

28 August 2015 15:45 - 17:15

Room Green_A8

ICT Demonstrations

Inquiry learning

Designing inquiry learning spaces for online labs in the Go-Lab platform

Keywords: Science education,Technology,Secondary education,Computer-assisted learning,Inquiry learning

Sig's: SIG 20 - Computer Supported Inquiry Learning

Chairperson: Ton de Jong, University of Twente, Netherlands

Designing inquiry learning spaces for online labs in the Go-Lab platform

Science education,Technology,Secondary education,Computer-assisted learning,Inquiry learning

Ton de Jong, University of Twente, Netherlands; Denis Gillet, EPFL, Switzerland; Sofoklis Sotiriou, Ellinogermaniki Agogi, Greece; Zacharias Zacharia, University of Cyprus, Cyprus;

The Go-Lab project (http://www.go-lab-project.eu/) aims to enable the integration of online labs through inquiry-based learning approaches into science classrooms. Through the use of an advanced plug and play technological solution the Go-Lab project opens up remote science laboratories, data archives, and virtual labs (together ìonline labsî) for large-scale use in real educational settings. Currently, the Go-Lab federation of online labs (www.golabz.eu) houses more than 50 labs from a variety of science fields. This number will grow rapidly in the near future. In this ICT demonstration we will show how the federation of online labs is organized, how with the Go-Lab authoring tools researchers, designers and educators/teachers can through a process of drag and drop and assembly easily create full inquiry learning environments that include specific Go-Lab scaffolds for each phase of the inquiry cycle, and the tools we developed to create a Go-Lab teacher community. Go-Lab is completely web-based and if internet connections at the spot allow there will be hands-on experience for the participants of the workshop.

L 3

28 August 2015 15:45 - 17:15

Room Cyan_F2

ICT Demonstrations

Assessment methods and tools

Flexible and Secure Online Exam Environments for Authentic, Competence-Oriented E-Assessments

Keywords: Assessment methods and tools,Educational technology,Higher education,Communities of practice

Sig's: SIG 1 - Assessment and Evaluation

Chairperson: Tobias Halbherr, Swiss Federal Institute of Technology Zurich // ETH Zurich, Switzerland

Flexible and Secure Online Exam Environments for Authentic, Competence-Oriented E-Assessments

Assessment methods and tools,Educational technology,Higher education,Communities of practice

Tobias Halbherr, Swiss Federal Institute of Technology Zurich // ETH Zurich, Switzerland; Kai Reuter, ETH Zurich, Switzerland; Daniel Schneider, ETH Zurich, Switzerland; Thomas Piendl, ETH Zurich, Switzerland;