

**TEMPUS project JPGR 511342 - iKnow**



**Education and Culture DG**

**Innovation and Knowledge Management towards  
eStudent Information System – iKnow**

---

**16<sup>th</sup> Workshop on Quality Control and Innovations  
Report and conclusions**

---

**Date and time – Meetings held on 08-09.03.2012**

**Location – TUDO, Dortmund, DE**

# Content

Report of 16 <sup>th</sup> Workshop on Quality Control and Innovations.....	3
Participants.....	3
Welcome note .....	4
Introduction and presentation .....	4
Conclusions.....	5

**Contracting Institution:**

LSBU – London South Bank University, London, UK

**Coordinating Institution:**

UKIM - University Sts Cyril and Methodius, Skopje, MK

**Participating Institutions:**

UKLO – University St. Clement Ohridski, Bitola, MK

UGD – University Goce Delchev, Stip, MK

SEE – South Eastern Europe University, Tetovo, MK

EURM – European University of Republic Macedonia, Skopje, MK

FON – FON University, Skopje, MK

UDO – University of Dortmund, DE

ULJ – University of Ljubljana, SI

# Report of 16<sup>th</sup> Workshop on Quality Control and Innovations

**Project Title:** Innovation and Knowledge Management towards eStudent Information System – iKnow

**Author of document:** Marjan Gusev – project coordinator

**Checking:** Shushma Patel – project contractor

## Participants

UKIM – Prof. Dr. Marjan Gusev  
UKIM – Prof. Dr. Goce Armenski  
UKIM – Prof. Dr. Ljupco Antovski  
UKIM – Prof. Dr. Dejan Gjorgjevikj  
UKIM – Prof. Dr. Ana Madevska Bogdanova  
UKIM – Assistant Sasko Ristov  
UKIM – Assistant Magdalena Kostoska  
UKIM – Prof. Dr. Ivan Chorbev  
FON – Prof. Dr. Sime Aresnovski  
FON – Prof. Dr. Slavco Chungurski  
FON – Prof. Dr. Gjorgji Kakashevski  
UKLO – Prof. Dr. Pece Mitrevski  
UKLO – Prof. Dr. Gjorgji Manceski  
UKLO – Mr. Zoran Kotevski  
UKLO – Mr. Tome Dimovski  
UGD – Prof. Dr. Zoran Zdravev  
UGD – Assistant Riste Timovski  
UGD – Assistant Ilija Lazarevski  
SEE – Assistant Ademi Bedri  
SEE – Assistant Tairi Zekirija  
SEE – Assistant Ibrahim Resulj  
ULJ – Prof. Dr. Burnik Urban  
QSP – Dr. Norbert Jesse  
QSP – Assistant Katrin Rutzel  
QSP – Dr. Andreas Kuckarz  
QSP – Dr. Christian Schneider  
TUDO – Prof. Dr. Dietmar Jannach  
TUDO – Prof. Dr. Heinrich Muller

## Welcome note

The workshop about Quality control and Innovations was held in Dortmund on Thursday and Friday March 8-9th 2012. The hosts were Technical University of Dortmund (TUDO) and Quinscape.

## Introduction and presentation

Prof. D-r Heinrich Muller as vice dean of Faculty of Informatics at TUDO has given Welcome notes. His presentation covered several aspects of organization of TUDO and their participation in the project.

The **first session** about innovations started with presentation given by Gero Presser about Social media – trends and perspectives. This presentation was influential to all participants giving new perspectives and ideas how to include social media in evaluation and agile development of the software. D-r Presser also presented that usage of cloud and social media are must in each IT solution. This evolved and made change in people's mindset. This change influenced by history of social computing, started in 1971 by involving e-mail, in 2001 fiendster, in 2003 with myspace as first social network, in 2004 with today's the most influencing social network facebook, in 2006 with twitter, etc.

Potential for social media usage in iKnow project can be found by using in dissemination, agile development of software and evaluation method.

The **second session** included presentations of deliveries within the project. The next presenter was D-r Ivan Chorbev. He presented the software which was delivered within the project and is now being used for electronic student services. He presented the roles implemented and main functionalities realized within the system. The main accent was on presentation of electronic student services.

Prof. D-r Gusev has presented the cloud computing solution used for agile development used in development of the product. Total of 999 bugs for missing functionalities were reported and 780 were closed as realized. 120 were resolved and waiting to be checked by the evaluation team. The reminder are bugs that are still pending, rejected or are being solved.

The **third session** was about quality control methodology and reports.

The next presenter in the session of quality control was Prof. D-r Dietmar Jannach giving presentation about methodology for developing and conducting a Self-evaluation report. He pointed out the main topics to be realized by all the partners explaining the main goal and objectives. The presented proposal will be translated in Macedonian and survey will be executed by all partners. There is a suggestion that self evaluation report will be realized by a cloud computing tool. Prof, Gusev has pointed out that there should be indicators to evaluate the self-evaluation reports and enable making recommendations for further improvement.

D-r Norbert Jesse has presented recommendation from German government for projects. He pointed out the main objectives and main goal to find answers on was it worth and how much is it worth to use the project deliveries. Several methodologies

and best practices are being used, for example the principle of minimalism and principle of maximalism.

Mrs. Kathrin Rutzel has also given a presentation about Quality control with accent on planning and executing a survey. She has presented all necessary items to be included in the survey.

The **second part of the worksop** started with **fourth session about review for deliveries** of first two workpackages, The first review addressed the presentation and completeness of the technical specification and the second included in-depth analysis of technical document.

This presentation was given by Mrs. Kathrin Rutzel was about review of technical specification. Quinscape has addressed several methodologies about this issue including SRS by IEEE and V-Model XT in Germany. Mrs. Kathrin Rutzel has pointed that most of the requirements were elaborated excellent in the delivery. She also pointed out some of the missing or not structured items, for example, some non-functional requirements are missing and not structured, cross-references is missing, some figures do not have captions etc.

Prof. D-r Urban Burnik has given presentation about in-depth technical analysis of the deliveries. He pointed that the technical documentation is well structured and comprehensive. The pointed missing elements noted in the review were actually realized by the software and defined in the agile development phase.

The **fifth session was about usage of new initiatives and ideas** in iKnow project management.

D-r Andreas has presented an idea which was accepted as possible new project within FP7 project. The main idea is about usage of open source platform and decentralized concept. He pointed out that there should be standards to define the communication and not accepting an approach without centralized concept offered by some companies.

D-r Christian Schneider has presented an initiative about Open government, using Opendata and Openvote. A possible impact to the iKnow project is the importance on presentation of new ideas for example, new budget.

The **last session was about technology center**. Mrs. Simone Herrmann has presented the center of innovative technologies and 27 years existence of the technology center and park. The participants had a chance to visit the campus and the technology park itself.

## Conclusions

This workshop was very successful for quality control workpackage and overall project realization.

EU partners have presented the documents required for quality control and MK partners will realize the self evaluation report, interviews and questionnaires and will provide information for project implementation.

The next event is scheduled for Apr 19<sup>th</sup> with presentations for wider audience organizing a special workshop at conference CiiT Conference on Informatics and Information Technologies.