

Conclusions from workshop held in Dortmund 5.03.2011

The workshop #8 "Workshop on finalization of technical documentation" was held in Dortmund on Friday March 5th 2011. The host was Dr. Norbert Jesse from Technical University of Dortmund. The workshop consisted of 4 sessions and project management meeting.

Dr. Jesse gave welcome message to all participants followed by short introduction to the agenda and sessions. The **introductory session** consisted of three presentations.

Heinrich Muller is vice dean of the faculty. He addressed the audience and has presented the academic organization of the university.

Dr. Jesse presented the organizational structure of the administration with special accent about student services. He explained all university projects and IT tools used for student services. The presentation covered aspects and experiences of other universities and industry partners.

Jan Philipp Muller from student services department gave presentation about IT based student services. The department deals with counseling, administration, exam administration, and university sports. He explained why it is necessity in realization of enrolment. The procedures for on-line enrolment and exams were demonstrated practically.

The second session was about **organizational aspects** for university management software solutions.

Peter Muessig Trapp presented Integrated Campus Management software. HIS company produces Higher Education Information System software. It is a government agency which is funded only 1/3 by government sources and 2/3 by projects to universities. They estimate that 200-300 man days are required for roll-out phase, with fees of 700€ + 35% per man day.

Dr. Gero Presser from Quinscape gave presentation: "Organizing Business: A Swiss army knife of portal systems". He explained the idea to use model based development and portable and flexible expanding the complete solution by using application store, with uploading modules and graphical modeling for assembling the application, instead of developing a new solution.

The next session concerned **IT solutions and implementations experience**. It started with presentation of Christof Veltman from IT & Media Centre. The presentation was about IT services for services and the student life cycle. The services covered Identity management, usage of cards for certificates, authentication, authorization, and also with electronic cash for student services. The IT services for studies and teaching include application and enrolment, courses and lectures. The online support for student life cycle includes examinations, documentation, results, transcript of records, diplomas, certificates etc.

Nils Joachim Bauer from Datenlotsen presented their experience and knowledge about developing a new system for student services, especially in university campus management system. 18000 project and 6000 sw development man days in university information system. 4 dimensions of campus

management project: goals (strategic and operative), organization & processes, technology (functions, integration, data migration), change (partners capabilities and project methodology) – approx. 1000 man days and 3000 man days for university. It is organizational project as quoted by Karl Weick “Educational organizations as loosely coupled systems”. Integrated campus management projects consist of administrative and academic processes which can be defined into two more categories mass and standard processes and individual processes. 17 universities have published tenders for campus management system. 13 universities have asked for a solution from Datenlotsen. Evolution towards an inner order, reflection and decision, integration of organizational units, and self-evaluation are 4 curses in realizing a project.

The final session was dedicated to **open source solutions and experiences**.

Manfred Postel has presented Open Source Learning Management Systems and Tools. Campus Source is open source platform for LMS consisting of several open source programs and tools.

Thomas Biskup from QuinScape presented OpenSaga web standards compliance out of the box. He commented that web applications are too complex, too technical and short lived. Their approach is the business manifesto – choose platforms that solve business problems – not technical. The second is model driven not technical (UML). The next issue is that design will not be realized by a democratic committee.

The project coordination meeting was organized after the final session and the participants discussed the following: overview and status progress, tender procedure, legal issues, and next steps. Several issues were commented in the conclusions: giving accent on a really nice organized workshop covering a lot of aspects from organizational to technological, then open source issues and topics which include project management. Several other issues discussed were usage of Partnership development, Model based development and possibility to use the idea of Web app store – just upload modules, with graphical tools.

Prof. Dilip Patel from LSBU noted that two partners are due to send signed agreements. Payments are distributed. Specification, evaluation criteria, terms and conditions is required. Tender is announced for 4 weeks, one week for finalizing, we do technical evaluation. The contractor confirmed that payments to all participants that have signed the agreement have been transferred and notification about transfers will be send later. The participants were invited for the next event the conference CiiT to be held on March 16-18 in Bitola.

This workshop was very successful for finalizing the workpackages 1 and 2.