



Education and Culture

Tempus

EQUIBELT

**EDUCATION QUALITY IMPROVEMENT
BY E-LEARNING TECHNOLOGY**

Project coordinated by



University of Zagreb

University Computing Center

PROJECT GOALS AND OBJECTIVES

WORKSHOP GOALS AND OBJECTIVES

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University Computing Centre – SRCE, Zagreb



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Education Quality Improvement By E-Learning Technology

1st Policy Workshop

University's E-Learning Vision and Strategy

Slide 2 of 18

PROJECT CONSORTIUM

HR

- ❖ University of Dubrovnik
- ❖ University of Rijeka
- ❖ **University of Zagreb**
- University Computing Centre
- ❖ Ministry of Science, Education and Sports
- ❖ Croatian Academic and Research Network CARNet

EU

- ❖ Estonian Information Technology Foundation - Estonian E-University
- ❖ Helsinki University of Technology - Dipoli Institute
- ❖ University of Edinburgh
- ❖ University of Leuven
- ❖ University of Porto
- ❖ University of Vienna
- ❖ Valencia University of Technology
- ❖ **Vienna University of Technology**

EXTERNAL EXPERTS

- ❖ **Professor Tapio Varis, University of Tampere, Finland**
- ❖ **Simon Atkinson, University of Hull, UK**
- ❖ **Dr Boris Škvorc, The Macquire University, Australia**
- ❖ **Dr Tony Bates, Tony Bates Associates Ltd., Canada & Open University of Catalonia, Spain**

- ❖ **Professor Blaženka Divjak, University of Zagreb**
- ❖ **Predrag Pale, University of Zagreb**

PROJECT BACKGROUND (1)

❖ New challenges for the universities all over the world (as well as in the Croatia):

- ◆ Maintenance of traditional values of university education and how to synergize them with new kind of knowledge and skills, demanded by students and their future employers
- ◆ Quality issue of university education is at the top of priority list of university management
- ◆ Significant physical & financial resource constraints and growing class sizes
- ◆ Knowledge and education today is definitely global phenomena and university development strategies should consider that fact very seriously...

❖ New opportunities offered by new ICT:

- ◆ Availability of new ICT technologies
- ◆ Communication opportunities
- ◆ Delivery of multimedia materials
- ◆ Quality and progress control mechanisms...

PROJECT BACKGROUND (2)

❖ Existing needs

- ◆ To improve quality and availability of university education in Croatia
- ◆ To align the outcome of university education with needs of students and modern companies
- ◆ To prepare students for needs and technologies of life long learning society
- ◆ To face challenges of globalization of education market
- ◆ To find appropriate / best way to use ICT, especially e-learning technology in particular situation at Croatian universities
- ◆ To improve and make more efficient the process of university education
- ◆ To provide support to faculty already using or wishing to use e-learning technology
- ◆ To foster the early majority phase and to step into late majority phase of implementing e-learning technology at Croatian universities
- ◆ To provide sustainable and reliable e-learning infrastructure and support
- ◆ To improve legislative status of e-learning content and programs

PROJECT OBJECTIVES

- (1) To develop and to agree on general, organizational (**policy**) and technical (**standards**) frameworks for implementation and using of e-learning at Croatian universities
- (2) To shape and establish **e-learning support centers** at Croatian universities (members of the project consortium), as well as network of experts to foster and facilitate e-learning projects
- (3) To demonstrate appropriate usage of e-learning technology (by conducting **pilot projects**) and to **promote e-learning**, as powerful tool for improvement of university education

EXPECTED RESULTS (1)

(OUTPUTS & OUTCOMES)

❖ Policy & standards

- ◆ University **vision** (declaration) on e-learning (why we want e-learning and what we want to achieve)
- ◆ University **policy** on e-learning (long term motivation and goals for implementation of e-learning, organization of support, level of support, evaluation and valorization procedures, sustainability of “e-learning system” /especially continuous “support lines”/, reliability of “e-learning infrastructure”, ...)
- ◆ **Implementation plan** for e-learning deployment, including business plans (models) for e-learning support centers
- ◆ Technical framework – set of **standards, rules and guidelines** for university e-learning projects

EXPECTED RESULTS (2) (OUTPUTS & OUTCOMES)

❖ E-learning support centers

- ◆ Full-time staff trained in the area of management and implementation of e-learning
- ◆ Technically equipped locations for e-learning support centers
- ◆ Clear business and sustainability models
- ◆ Publicly available list of services, terms of use and service level agreements of e-learning support centers

❖ Pilot project

- ◆ 3-4 pilot projects accepted and fully supported by the EQIBELT project
- ◆ Support to ongoing e-learning projects



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WORKSHOP GOALS AND OBJECTIVES

WORKSHOP OBJECTIVES

- ◎ **to discuss opportunities and challenges of using information technology and e-learning as tools to foster transformation and enhancement of higher education system in Croatia**
- ◎ **to help appointed university's 'e-learning strategy teams' to create best possible e-learning vision and strategy documents**
- ◎ **to learn and to collect experience from EU universities about a way they use e-learning technology, about their e-learning strategy documents and about process of creating e-learning strategy documents**
- ◎ **to exchange and to collect ideas, thoughts and opinions on e-learning from all stakeholders of higher education system in HR and systemize them**

QUESTIONS TO BE DISCUCCSED (1)

- ☑ **Opportunities and challenges of introducing e-learning technology into university education:**
 - ✓ What are our goals: why we want to introduce e-learning, what we want to change / to improve / to add?
 - ✓ What should be changed in university organization, in university education system and in university teaching and learning processes and how these changes can be supported by information, communication and e-learning technology
 - ✓ Relationship between Bologna process and e-learning

QUESTIONS TO BE DISCUCCSED (2)

☑ Opportunities and challenges of introducing e-learning technology into university education (cont.):

- ✓ Which organizational models for implementation and sustainable support of e-learning are suitable for HR universities involved in the project?
- ✓ Which financial models for implementation and sustainable support to e-learning are suitable for HR universities involved in the project?
- ✓ Should we and how encourage and stimulate teachers and students to use e-learning technology?
- ✓ What is the role of the government in process of implementation of e-learning within higher education system?
- ✓ ...

QUESTIONS TO BE DISCUCCSED (3)

☑ **Structure of e-learning strategic documents:**

- ✓ Specific strategic documents on e-learning or e-learning incorporated into general strategic documents?
- ✓ Number of strategic documents (vision, policy, implementation plan, rules and procedures)?
- ✓ What level of elaboration of details in strategy is reasonable / effective for implementation?

☑ **Process of creation of e-learning strategic documents:**

- ✓ Who should be involved?
- ✓ How to increase participation of management, teachers and students?
- ✓ What methodology to use for creating and implementing e-learning strategy?
- ✓ One-time effort or continuing process?

METHODOLOGY / AGENDA

- ☞ **Introductory half-day workshop by dr. Tony Bates:**
What must academic departments do to ensure success in e-learning?
- ☞ **Presentations by workshop lecturers**
- ☞ **Q&A sessions after presentations**
- ☞ **General discussion sessions**
- ☞ **Questionnaire on basic criteria for implementation of e-learning**
- ☞ **Networking...**

FRIDAY, MARCH 3, 2006

09:15-09:25	Opening and welcome
09:25-09:35	Introductions of participants
09:35-09:50	Zoran Bekić (SRCE): Introduction to EQIBELT: project goals and objectives
09:50-10:00	Dr. Zrinka Kovačević (Ministry of Science, Education and Sports)
10:00-10:45	Dr. Tony Bates: What must academic departments do to ensure success in e-learning?
10:45-11:05	Coffee break
11:05-13:00	Dr. Tony Bates (continuation)
13:00-14:00	Lunch break
14:00-15:30	Dr. Tony Bates (continuation)
15:30-15:50	Dr. Tony Bates - Q&A
15:50-16:10	Coffee break
16:10-17:00	Predrag Pale (University of Zagreb, Committee for the ICT infrastructure): E-teaching Drivers and Likely Results
17:00-18:00	Discussion



SATURDAY, MARCH 4, 2006

09:00-09:30	Dr. Diana Šimić (Government of the Republic of Croatia, Central Administrative Office for e-Croatia)
09:30-10:20	Prof. Wim Van Petegem (University of Leuven, Belgium): Toledo: The digital learning environment at K.U.Leuven. A university wide approach to strategic and operational issues.
10:20-10:30	Q&A
10:30-10:50	Coffee break
10:50-11:35	Heikki Hallantie (Life Long Learning Institute DIPOLI at Helsinki University of Technology, Finland): <i>ICT in university education: From pilot project to established practices. Case Finland and Helsinki University of Technology</i>
11:35-12:05	Prof. Blaženka Divjak (University of Zagreb, FOI): Imaginative Acquisition of Knowledge
12:05-12:15	Questionnaire
12:15-12:45	Prof. Pero Lučin (University of Rijeka): <i>University of Rijeka - e-University</i>
12:45-13:00	Q&A
13:00-14:00	Lunch break
14:00-14:45	Ene Tammeoru (Estonian E-University, Estonia): Strategy of building a consortium type e-university
14:45-15:30	Dr. Maria Pinto (University of Porto, Portugal): E-Learning@UP: a case study of success in implementing e-learning at a traditional university.
15:30-16:00	Coffee break
16:00-17:00	Discussion

SUNDAY, MARCH 5, 2006

10:00-10:30	Prof. Blaženka Divjak (University of Zagreb, FOI) & Jasna Tingle (CARNet): Standardization and valorization of digital educational material: reflections on CARNet's project
10:30-11:00	Zoran Löw (Cognita): The other side of e-learning: What can go wrong?
11:00-11:30	Dr. Đuro Njavro (Zagreb School of Economics and Management): The Role of Management in the Development of the E-learning System
11:30-11:45	Q&A
11:45-12:00	Coffee break
12:00-12:45	Discussion and conclusions <ul style="list-style-type: none"><input checked="" type="checkbox"/> results of questionnaire<input checked="" type="checkbox"/> reporters' report on workshop
12:45-13:00	Closing