



“Collaborative Internationalisation of Software Engineering in Croatia”

(Development of software engineering competence centres in Croatia)

EU Tempus project no. 41023-2006:

for the period from 1.09.2007 till 31.08.2009, university management Joint European Project, financed by the EU with € 296.400.

Basic project information:



Universität Paderborn

Prof. dr. sc. Wilhelm Schäfer, Grant holder



MÄLARDALENS HÖGSKOLA

Prof. dr. sc. Ivica Crnković, EU-partner



Prof. dr. sc. Mario Žagar, coordinator

Project goal:

Founding of a network of competence centres on Croatian universities as crystallisation points for various activities in the field of software engineering.

Specific project goals:

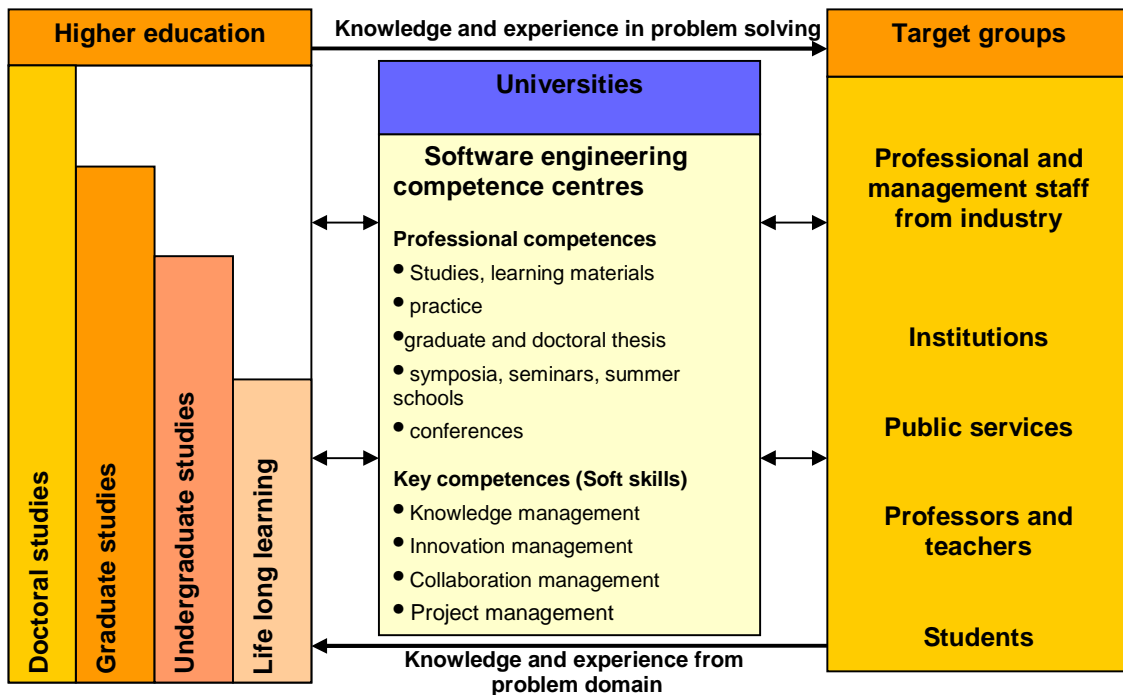
- Advancement of cooperation among state institutions, universities and industry by establishing a network of competence centres (public private partnership).
- Support for internationalisation of Croatian universities “bottom-up” by internationalisation and Europeanization of technical universities, in this case within the field of software engineering and ICT.
- Training of teaching and administrative staff by European project partners; "know-how" transfer, field learning.
- Strategic positioning and setting up of “Made in Croatia” brand on regional and EU software engineering and ICT markets.

- Support to quality assurance in higher education (undergraduate, graduate and doctoral studies, internationalisation of education) and professional education (life long learning) , according to European standards, in the field of software engineering and ICT.
- Establishment of strategic partnerships with local and international partners for participation in national and European projects.

Project partners:

- The Central State Administrative Office for e-Croatia (Mr. Želimir Pećnik), other relevant Offices and Ministries of the Government of the Republic of Croatia.
- HrOpen (Mr. Kristijan Zimmer).
- University of Zagreb (Prof.dr.sc. Mario Žagar and dr.sc. Igor Čavrak).
- University of Osijek (Prof.dr.sc. Željko Hocenski).
- University of Split (Prof.dr.sc. Ivica Puljak).
- Ericsson Nikola Tesla d.d. (Prof.dr.sc. Darko Huljenić).
- Končar d.d. (Mr.sc. Vladimir Plečko).
- RING datacom d.o.o. (Mr.sc. Branko Beslač).
- SIEMENS d.d. (Mr.sc. Boris Vrabec).
- European university partners:
 - Paderborn University, Paderborn, Germany (Prof.dr.sc. Wilhelm Schäfer and mr.sc. Ahmet Mehić) and
 - Mälardalen University, Västerås, Sweden (Prof.dr.sc. Ivica Crnković).
- Potential partners: large, medium and small enterprises, professional associations and Croatian social partners.

Vision of software engineering development in Croatia:



Activities and results:

Establishing and setting up of national and international collaborative network for knowledge and experience transfer in the field of software engineering, support for development of knowledge and innovation-based economy, dissemination of information on network's activities and results.

Collaboration in teaching and research:

- Creation of materials for academic and professional audience in the field of software engineering (books, handbooks, e-learning, etc.) by cooperation of local and international partners.
- Permanent improvement and quality assurance of software engineering curricula.
- Doctoral and diploma thesis development in cooperation with the partners from industry.
- International exchange of professors, doctoral and graduate students.

Profiling, positioning and establishment of competence centres on universities:

- Education of Croatian project partners in competence centres of European partners in Germany and Sweden.
- Organisational positioning, profile definition and founding of competence centres at Croatian universities.
- Acquisition of equipment and professional literature.
- Public relations, development of visual identity and promotion of competence centres.
- Organisation of seminars, symposia and summer schools.

Definition and promotion of business concept of competence centres for software engineering in Croatia:

Handbook I: "Roles and Tasks of Universities in Evolution of Software Engineering in Croatia"

Handbook II: "Competence Centres as a Model for Development of Innovative Public Private Partnerships in the Field of Software Engineering in Croatia"

Handbook III: "Competence Centres as a Successful Cooperation Model for Collaborative Development of University Curricula in Croatian Software Engineering"

Handbook IV: "Competence Centres as Platforms for Continual Modernisation of National Qualification Framework and Internationalisation of Professional and Academic Educational Offer in the Field of Software Engineering in Croatia"

Brochure V: "Software Engineering as an Opportunity for Development of Industrial and Educational Brand Made in Croatia. (Summer school report, June 2009. to be held at University of Split).

Handbook VI: "Competence Centres as Crystallisation Points for Development of a Culture of Quality on Croatian Universities"

