

Development of higher education qualifications standards and study programmes on the basis of CROQF for wood industry sector

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13th InnovaWood General Assembly 10-11th June 2015, Zagreb, Croatia.













Fact

University of Zagreb Faculty of Forestry

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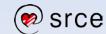


Project description

- Faculty of Forestry, Wood Technology Section was project holder and the main beneficiary
- Partners were:
 - Biotechnical Faculty of University in Ljubljana (Slovenia)
 - Croatian Chamber of Forestry and Wood Technology
 Engineers
 - University Computing Centre (SRCE)













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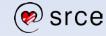


Project description

- Project was cofinanced by European Union from European Social Fund
- Total project budget was 451.364,84 EUR
- Duration of the project was 18 month (from August 2013 to February 2015)













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Location of project activities

- Activities were mantaind at:
 - Project headquarters Faculty of Forestry, Wood Technology Section
 - 3 aditional Countys:
 - » Vukovar Srijem County,
 - » Virovitica Podravina County
 - » Lika Senj County





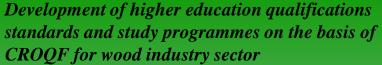












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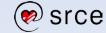
Project Team

- Project Manager /Coordinator
- Executive Manager
- Project assistant
- 3 Team Leaders for QS
- Team Leader for procurement, installation and training
- Coordinator of Quality Committee
- 10 Coordinators and Coordinator assistants from 5 Departments

- Procurement administrator
- Office coordinator
- Partners coordinator for BSc
- Partners coordinator for MSc
- Partners coordinator for PhD
- Partners coordinator for Labour market
- Partners coordinator for e-learning
- 2 e-learning Trainers















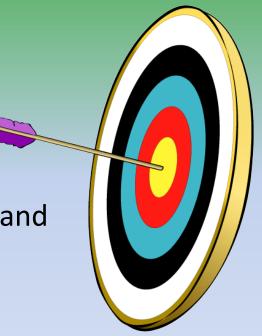
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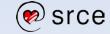
Project objectives

Improve higher education for better qualifications and employability in the wood industry sector.



















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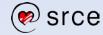
Specific

- **Development of Qualification Standards**
- Networking key competences (digital and entrepreneurial)
- Promotion of lifelong learning
- Education process improvement of implementing active learning
- Training of academic staff
- Dissemination of information about the introduction of the CROQF

Beneficiary: University of Zagreb - Faculty of Forestry, Wood Technology Section, Svetošimunska 25, HR 10 000 Zagreb, Croatia Partners:











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Methods - activities

























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Methods - activities

Activity 1. Analysis and Development of learning outcomes and Qualification Standards

Activity 2. Adjustment of existing study programmes based on proper use of learning outcomes, ECTS and student workload

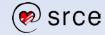
Activity 3. Training of academic staff for development and enhancement of student's entrepreneurial competencies and development of new practical course for students

Activity 4. Training of academic staff in student centred learning and development of e-learning courses

Activity 5. Evaluation, Dissemination and producing promotion materials







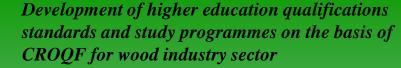














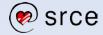


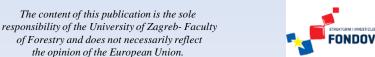
European Union "Investing in the future"





















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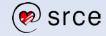
CROQF WORKSHOPS





















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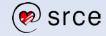
CROQF WORKSHOPS





















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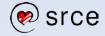


Analysis of wood technology study programmes in European countries









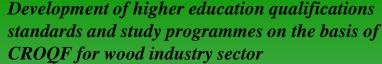












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Analysis of wood technology study programmes in European countries

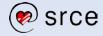
Fachhochschule University of Applied Science, Kuhl Salzburg











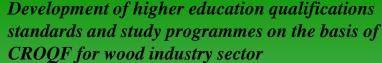












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Analysis of wood technology study programmes in European countries

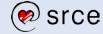
Berufsakademie Dresden









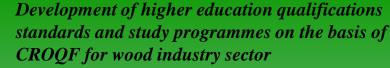












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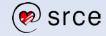
Workshops with wood technology experts' and employers

Vinkovci (Vukovar- Srijem County)



















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Workshops with wood technology experts' and employers

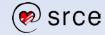
Slatina (Virovitica – Podravina County)











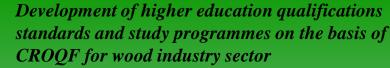












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Workshops with wood technology experts' and employers

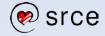
Otočac (Lika – Senj County)











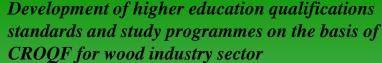












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Workshops with wood technology experts' and employers

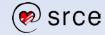
Zagreb (Zagreb County)



















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Analysis and Development of learning outcomes and Qualification Standards





Beneficiary: University of Partners:





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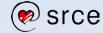


Adjustment of existing study programmes based on proper use of learning outcomes, ECTS and student workload

- Analyses of existing learning outcomes
- Development of courses based on proper use of learning outcomes, ECTS and student workload
- Adjustment of learning outcomes according to recommendations from labour market

















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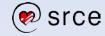
WORKSHOPS ON ASSESSING STUDENT WORKLOAD





















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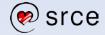
Procurement of necessary equipment for adjusment of active learning 16 CAD work stations and Rotary viscometer



















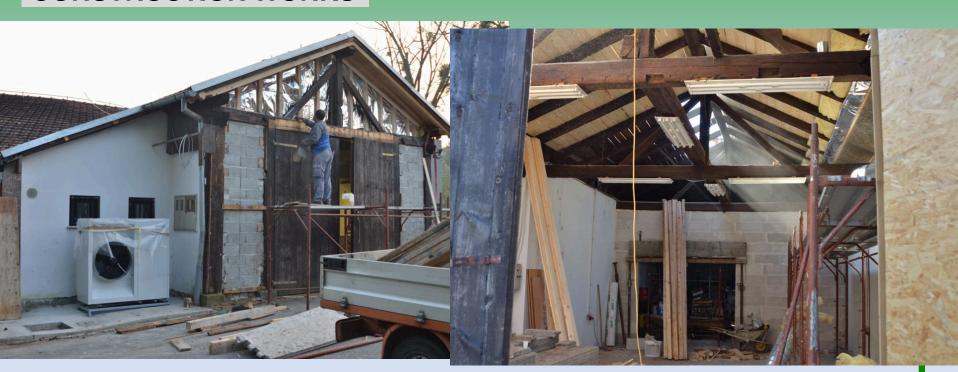


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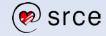


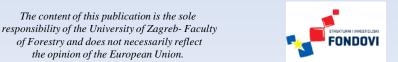
CONSTRUCTION WORKS



















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European Union ,,Investing in the future"

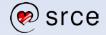


CONSTRUCTION WORKS



















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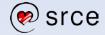
Procurement of necessary equipment for adjusment of active learning CNC machine







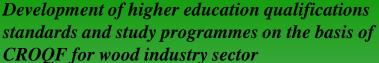












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TRAININGS FOR ACADEMIC STAFF

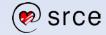
CNC machine



















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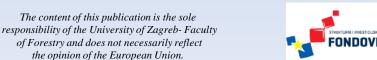
Rotary viscometer











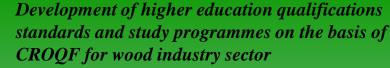












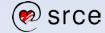
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Training of academic staff for development and enhancement of student's entrepreneurial competencies, development of new practical course for students and Study visit

















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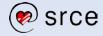
External training of academic staff in development of entrepreneurial competences



















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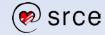
European Union ,,Investing in the future"

STUDY VISIT Poznan, Poland











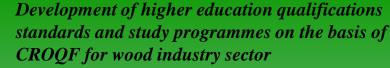












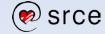
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Training of academic staff in student centred learning and development of e-learning courses







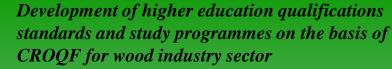












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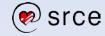
Training of academic staff in student centred learning



















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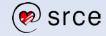
Training of academic staff in student centred learning



















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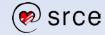
Trainings of academic staff in development of e-learning courses









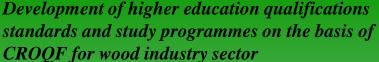












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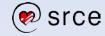
Trainings of academic staff in development of e-learning courses





















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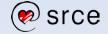


Evaluation, Dissemination and producing promotion materials

- Project management
- External evaluation of produced Qualification Standards
- Financial audit of the Action
- Producing promotion materials
- Dissemination workshops







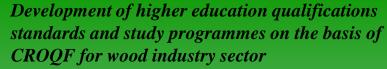












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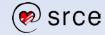


MEASURABLE RESULTS

- Four proposals for qualification standards were developed:
 Bachelor of Wood Technology, Master of Wood Technology,
 Master in Wood Product Design and Doctor of Biotechnology,
 the field of Wood Technology.
- Guidelines for improving three related study programmes in line with the CroQF were developed.
- A practical classroom was equipped with modern CNC technology (a five-ayis CNC machine was procured, together with 16 CAD computers and rotary viscometer).







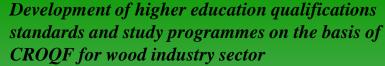












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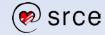


MEASURABLE RESULTS

- Six teachers were trained in using the CNC machine.
- Eleven teachers were trained in networking entrepreneurial skills.
- Twelve teachers were trained in implementing active learning methods and critical thinking in tertiary level teaching.
- Ten teaching units were developed to implement active learning and ERR framework.
- Eight e-courses were developed and implemented.

















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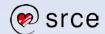


MEASURABLE RESULTS

- Four qualification standards were prepared to be submitted to the CroQF register.
- A promotional video was published, together with a booklet on project results and activities.







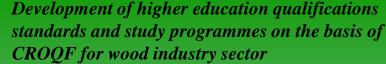












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For more information

- http://hko.sumfak.unizg.hr/ or type "IPA4 news" in your web search
- Project brochure





