



FROM THE BESTSDI NEWSLETTER TEAM



Dear colleagues

We present a new issue of the magazine "BESTSDI Newsletter". We are still gathered around the idea to disseminate

project information and communicate results with a broad audience. This magazine provides information about our activities, events, results and activities tied to a project undertaken by project partners. It will be released within the frame of Dissemination and Exploitation Work Package and Task Group Communication prepared by the Editorial board.

The main event covered by this issue is the 11th BESTSDI Workshop in Podgorica. With special attention, we also present the BESTSDI LLL Course organized by our project partner from Banja Luka.

From our great partners we got interesting presentations of their universities and faculties for our regular rubric "Partner Presentations". Presentations come from Zagreb and Varaždin.

As before, in the section "Related Events and Conferences", we provide information about events that have disseminated more information about the BESTSDI project.

We thank all authors for their excellent articles and, at the same time, we invite other colleagues to join us and be the part of the Newsletter in all subsequent issues.

The best regards!

Slavko Vasiljević,

Faculty of Architecture, Civil Engineering and Geodesy,

University of Banja Luka

Editor-in-chief



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More information at: www.bestsdi.eu.



Project Body Meetings

8th Project Management Board meeting in Podgorica

During the BESTSDI 11th workshop held in Podgorica, the 8th Project Management Board (PMB) meeting has been held on July 9th. The meeting was attended by representatives of 15 out of 16 partners. At the meeting regular reporting on project status (Ž. Bačić) and monitoring success indicators (J. Cromptvoets) has been given, and 7th Monitoring Success Indicators Report adopted. Focus of the meeting was on financial management and internal audit which has just recently started and preparations for Final conference in Sarajevo.

Regarding financial management, it became clear that not all partners will be able to cover designated grant with costs due to different reasons, and that there will be internal reassignment of funding based on engagement/performance in the project. In relation to the internal audit, first findings are showing that there are issues in the delivered documentation which makes some cost claims not eligible. Therefore, partners are urged to sort out their documentation in accordance to the requests of Project office.

Final conference preparations are well progressing, and more details have been presented as well as draft program adopted. Next step is closing financial construction and releasing invitations for the conference.

Željko Bačić



Partner presentations

University of Zagreb - Faculty of Geodesy

Faculty of Geodesy alongside Faculty of Geotechnical Engineering within the framework of the University of Zagreb is BESTSDI project holder and for the first time in the history of University of Zagreb coordinates activities in the ERASMUS+ *Capacity Building in the field of Higher Education* project (KA2 CBHE).

Faculty of Geodesy Zagreb was founded in 1962, although the geodesy teaching at the University of Zagreb exists more than two hundred years, testified by Martin Sabolović's textbook: *Exercitationes Gaeodeticae*, published in Latin in 1775. Faculty of Geodesy is organized in three institutes: Geomatics, Cartography and Photogrammetry, Applied Geodesy, organizational unit Hvar Observatory, Laboratory of Measuring and Measuring Technology and Registrar's office. The institutes are organizational units composed of several chairs. The institutes organize and conduct scientific research in the field of technical sciences, in scientific branches in the discipline of geodesy.



The Faculty is a holder of modern study programmes in the area of technical sciences intended for the training of professionals who will perform the geodetic and geoinformation jobs both in state and public sector. The Faculty of Geodesy performs Bachelor and Master study programmes, postgraduate doctoral and postgraduate specialist study programmes. The Bachelor study programme of geodesy and geoinformatics are based on acquiring knowledge in land registration procedure, production and maintenance of topographic, cartographic and land geoinformation systems, measurement of quantities needed to define the size, position, figure, outlines and changes of any part of the Earth and land, and in solving practical tasks in geodetic measurement. It is a three-year full-time study programme allowing the students to earn 180 ECTS points and the academic professional title of Bachelor (baccalaureus) of Engineering in Geodesy and Geoinformatics (univ. bacc. ing. geod. et geoinf).

In the Master study programme of Geodesy and Geoinformatics students can choose between two fields: geodesy and geoinformatics, both lasting 2 years. By earning 120 ECTS points and completing the studies, the students earn the title of Master in Engineering of Geodesy and Geoinformatics. The postgraduate study programme of Geodesy and Geoinformatics allows the candidates to acquire the academic title of PhD in the research area of technical sciences, the discipline of geodesy. The study programme lasts 3 years, and it allows the candidates to earn 180 ECTS points.

The postgraduate specialist study programme of Geodesy and Geoinformatics allows the candidates to earn professional or academic title of Academic Specialist in Geodesy and Geoinformatics. It is an academic vocational study programme. The study programme lasts 1 year, and it allows the candidates to earn 60 ECTS.

The participation in scientific and research work is encouraged. The students can compete for the Rector's and Dean's award and their work as a creative and young researcher is highly rewarded. Currently there are around 100 employees working at the Faculty and more than 500 students enrolled in the programmes. The faculty is active in many national and international projects and hosts a number of conferences and workshops.

Valentina Vuković

University of Zagreb - Faculty of Geotechnical Engineering in Varaždin

Higher education at the Faculty of Geotechnical Engineering began in 1969 with the establishment of the Higher Technical Mining Geo-Exploration School, which in 1990 grew into an independent faculty of the University of Zagreb. There are currently about 60 employees at the Faculty, of which 47 are employed in scientific-teaching and associate titles.

The increasing focus on environmental protection and management in engineering has led to the orientation of all study programs (undergraduate, graduate and doctoral) towards environmental engineering in the scientific field of interdisciplinary technical science.

All programs are nowadays carried out according to the Bologna principle of study. All study programs are conducted in Croatian language, but for the needs of international students who come through the Erasmus program, part of the course is also taught in English, and it is also possible to produce final and diploma papers in English. Student mobility is organized through the Erasmus + Student Study (SMS) and Professional Practice (SMP) international student exchange programs. The Merlin e-learning system is used as a learning aid, i.e. access to learning materials and scripts.

There are currently three study direction at the graduate level, with mandatory professional practice on all directions. The Environmental Geoengineering study direction enables participation in environmental impact assessment of planned interventions, field exploration for environmental and geotechnical purposes as well as professional civil engineering and mining jobs. The Water Management study direction deals with the problems of water resources, where equal weight is given to the quantity and quality of drinking water, the problems of waste water, their disposition and remediation, the complex area of energy exploitation of water potentials, and land reclamation systems and regulation of watercourses. The Environmental Management study direction covers an engineering approach in identifying, preventing and mitigating adverse environmental impacts such as waste management, energy transition, soil remediation, product life assessment, environmental impact assessment, environmental inspections, etc.

In teaching, research projects and in cooperation with industry, the modern equipped Geotechnical Laboratory, Laboratory for Environmental Geochemistry and Laboratory for Environmental Engineering are used. For the purposes of the teaching process, a Chemical Practicum and a Geotechnical Practicum were established and equipped. Through professional work (preparation of studies, studies, projects, ...), the Faculty achieves a strong interaction of theory and practice, which ultimately results in engineering solutions aimed at improving the quality level of individual environmental components and contributing to the economy in the field of environmental protection.

The Faculty publishes a scientific journal "Environmental Engineering", which is published continuously with two issues a year, and includes scientific papers in the field of environmental protection, geoen지니어ing, water resources management, waste management and air quality management.

Hrvoje Meaški



Project Events and Conferences

11th BESTSDI Project Workshop in Podgorica



The 11th BESTSDI workshop was held at the University of Montenegro in Podgorica at July 8th-10th, 2019. At this gathering, 50 teachers and experts from 20 academic institutions, project partners will work on the introduction of new content into university study programs in the area of spatial data infrastructure.

At the workshop opening welcome addresses have been given by prof. Nataša Kostić, PhD, Vice-Rector of University of Montenegro, mr. Dragan Kovačević, Director of Real Estate Administration Montenegro, mr. Ranko Lazović, National Erasmus Office representative, Prof. Jelena Latinović, PhD, Vice-Dean for science and international collaboration at Biotechnical Faculty and Mr. Aleksandar Stijović, GDi I.t.d. Podgorica. Information about the project and its achievements has been given by Prof. Željko Bačić PhD, Project coordinator BESTSDI project.

Following workshop sessions were productive steering project towards its successful end. There was also time for social events prepared by our host, project partner team from Biotechnical faculty. So, we have visited vineyards and cellar of Plantaže company and later enjoyed dinner at national restaurant "Pod voltom".

Thanks to our host partner for the excellent organization of the BESTSDI workshop and all materials related to this workshops (presentation, meeting minutes, photos, ...) are available at: <http://science.geof.unizg.hr/moodle/login/index.php>

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Vesna Poslončec-Petrić

Related Events and Conferences

Life-Long Learning Course at the Faculty of Faculty of Architecture, Civil Engineering and Geodesy in Banja Luka

From 30.9. - 02.10.2019. Two LLL - Life-long Learning courses were held at the Faculty of Architecture, Civil Engineering and Geodesy:

- The Basics of Geospatial Data Infrastructure in accordance with the INSPIRE Directive and
- Establishment of Geospatial Data Infrastructure with Web Services in accordance with the INSPIRE Directive.

Lifelong learning courses were realized through the participation of the University of Banja Luka in the international Erasmus+ *Capacity Building in the field of Higher Education* project (KA2 CBHE) project, BESTSDI - Western Balkans Academic Education Evolution and Professional's Sustainable Training for Spatial Data Infrastructures. The topics of the course are related to the establishment of geospatial data infrastructure and harmonization of geospatial data in accordance with the recommendations of the European Union and the INSPIRE Directive.

The courses were delivered by assistants from the study program Geodesy: Mladen Amovic (coordinator of the BESTSDI project), Slavko Vasiljevic (member of the BESTSDI project team) and Dejan Vasic. The participants of the courses were representatives of institutions and public companies in the Republika Srpska: the Ministry of Agriculture, Forestry and Water Management, the Republic Administration for Geodetic and Property Affairs of the Republika Srpska and the University of Banja Luka.

All trainees have been awarded certificates of successful completion of lifelong learning courses.

Mladen Amović & Slavko Vasiljević



Impressum

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