



GEOWEB Newsletter 2016-1

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• Newsletter introduction

GEOWEB project is funded by the Erasmus+ Programme of the European Union. The wide objective of the project is to modernise higher education in geodesy to support sustainable development in Albania, Serbia, Bosnia and Herzegovina and to facilitate these countries's integration with European Union.

The specific objective is to develop and start new geodesy programmes and courses, develop new geodesy teaching materials, introduce e-learning and new pedagogical methods, implement quality assurance and promote regional cooperation in geodesy education.

The GEOWEB project consortium consists of 12 partners, with Royal Institute of Technology (KTH) as the grant holder and coordinating institution.

This newsletter will present project progresses to staff and students at partner organizations as well as other geodesy stakeholders and the general public. It will be published twice a year, normally in June/July and December/January.

More project information can be found at the project's web site: <http://gidec.abe.kth.se/GEOWEB/>.

• Project consortium

12 partners and local coordinators are listed below.

Royal Institute of Technology (KTH)

Division of Geodesy and Satellite Positioning
Stockholm, Sweden
Huaan Fan

Vienna University of Technology (TUW)

Department of Geodesy and Geoinformatics
Vienna, Austria
Robert Weber

University of Leon (ULE)

Department of Land Surveying and Mining Technology
Ponferrada, Spain
Flor Álvarez Taboada

University of Sarajevo (UNSA)

Department of Geodesy
Sarajevo, Bosnia and Herzegovina
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University of Mostar (UNMO)

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Mostar, Bosnia and Herzegovina
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University of Tuzla (UNTZ)

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Edin Hadžimustafić

Institute for Development Planning of Sarajevo (IDPSA)

Sarajevo, Bosnia and Herzegovina
Jamsin Taletovic

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Alma Tabakovic

Polytechnic University of Tirana (UPT)

Department of Geodesy
Tirana, Albania
Bilbil Nurce

University of Tirana (UT)

Department of Geography
Tirana, Albania
Sabri Laçi

University of Belgrade (UB)

Department of Geodesy and Geoinformatics
Belgrade, Serbia
Branko Božić

University of Novi Sad (UNS)

Department of Computing and Control Engineering
Novi Sad, Serbia
Miro Govedarica

• Kick-off meeting in Sarajevo

The kick-off meeting of the GEOWEB project took place on 7-12 March 2016 at University of Sarajevo, Bosnia and Herzegovina. All project partners have sent representatives to the meeting.

The meeting started with project opening ceremony, which was attended by GEOWEB partner representatives and also by Professor Faruk Mekić, vice-rector of UNSA, Mr. Suad Muhibić, Ms. Nena Marković from National Erasmus+ Office, Mr. Nedžad Pašalić from the Federal Administration for Geodetic and Property Affairs of Bosnia and Herzegovina, and Mr. Dragan Obradović from the Administration for Geodetic and Property Affairs of Republic of Srpska.



After the opening ceremony, the kick-off meeting had the following main activities:

- Presentation of project partner organizations
- Review of project design by Project coordinator
- Project meeting on the first-year project activities
- Project meeting on financial reporting
- Visit to GEOWEB partner, University of Mostar.

• Digital mapping training in Ponferrada

This training course was organized by University of Leon in Ponferrada, Spain, in the period of April 3-16, 2016. 14 Balkan university staff have attended the training course.



The training covered 4 main topics:

- Digital mapping using LiDAR data
- Digital mapping using UAVs

- Hyperspectral remote sensing (spectroscopy)
- Object based image analysis (OBIA).

During the training period, participants also had study visits to University of Leon's Multimedia Centre and Cartography Service in Leon. After completing the training, all participants received a training diploma.

• GNSS training in Vienna

Vienna University of Technology (TUW) has been responsible for this training course, which took place in the period of May 31 to June 11. 15 Balkan staff members have attended the training course.

The training included a number of topics on GNSS theory and practice such as:

- GNSS observation equations
- Tropospheric and ionospheric effects
- Signal linear combinations
- Data processing using Leica Geo-Office, Bernese software and NAPEOS
- Precise Point Positioning (PPP)
- GNSS augmentation: EGNOS and WAAS
- GNSS status, future Galileo developments

In addition to lectures and practices, the training course organized two study visits to Conrad Observatory and RTK provider EPOSA.



• Forthcoming events

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| July 1 | Monitoring visit by National Erasmus+ Office, University of Sarajevo, Bosnia |
| October 10-12 | Curricular development workshop, University of Belgrade, Serbia |
| October 13 | Meeting of the International Advisory Board, Belgrade, Serbia |
| October 13 | Annual project management meeting |
| October 14 | First conference of Western Balkan Geodetic Forum, Belgrade, Serbia |