

Dear colleagues,

Is pleased to present the first issue of the newsletter GEOBIZ. Although the situation with the COVID-19 pandemic has slowed us down a bit, we are not surrendering. We are taking control of this situation and continue with our plans and activities.

In this first issue of the GEOBIZ newsletter we bring a number of contributions related to the GEOBIZ Project activities so far. Also, in the special section Dissemination diary we bring an overview of partner dissemination activities. I draw special attention to the first scientific work related to our project by the

author prof. Branko Bozic and a colleague and workshops where the GEOBIZ project was presented.

For the next issue, I announce the Partner presentation parts, and first GEOBIZ partners we are going to introduce is a team that is currently well worth the preparations for 1st online GEOBIZ progress meeting, team of the Faculty of Technical Sciences, University of Novi Sad.

Also, I take this opportunity and kindly invite you to submit your contributions to e-address:  
[vesna.posloncec@geof.hr](mailto:vesna.posloncec@geof.hr).

Vesna Poslončec-Petrić

## GEOBIZ Project activities

### GEOBIZ Kick-off meeting

The official start of Erasmus + KA2 Capacity Building in Higher Education project GEOBIZ was November 15<sup>th</sup> 2019, but it was inaugurated on February 4<sup>th</sup>, 2020 in the Rectorate Aula of the University of Zagreb within the frame of the first project workshop – kick-off meeting.



More than frothy project consortia participants together with the representatives of the University in Zagreb, Croatian Agency for Mobility and European Union Programs (AMPEU) and other local and international entrepreneurs attended the project launch and

after the welcome speeches of the guests of honor, Prof. Damir Boras, PhD (Rector of the University of Zagreb), Antonija Gladović, M.Sc. (Director of the Agency for Mobility and EU Programmes, AMPEU) and Prof. Almin Đapo, PhD (Dean of the Faculty of Geodesy) they received the first information about the project from the project coordinator, Prof. Željko Bačić, PhD, from the Faculty of Geodesy, University in Zagreb.



After opening words and skype meeting with our project officer, Ms. Giulia Moro from EACEA

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organized within the frame of project, we heard three motivation lectures. Gezim Gjata from Polytechnic university in Tirana talked about challenges and opportunities in academic education with induced by technological revolution, Dragutin Protić from Gilab Ltd., Belgrade gave a lecture on new geospatial service-oriented industry – quest for new professionals and Andrej Lončarić from GD Ltd., Zagreb talked about technology driven cooperation of business and academia stakeholders in new professionals' education. The rest of the day was reserved for the presentation of project activities and objectives as well as introducing the project consortium.

The goal of the Erasmus+ Ka2 CBHE programme is to transfer the knowledge and skills of the academic institutions from the EU member countries to partner institutions from nonEU countries. GEOBIZ project intends to achieve this in the next 36 months in the field of geoinformatics. The modern world is based today on spatial information, which means that geoinformatics knowledge how to use such information is necessary.

The remaining two days were filled with several sessions and hard work resulting in allocation of

leader and deputy leader tasks of Work packages and Task groups. Definition of work schedule plan was made, and we Launch the first Task groups, and financial management sessions. Project web page and Moodle platform were also presented and launched. Although we worked hard all three days, we also found time for short joint dinner. We look forward to the new challenges ahead of us as part of the project, wish all partners a successful work and see you at the next workshop.



GEOBIZ project kick-off meeting in Zagreb

For more information, feel free to visit the official GEOBIZ project website: [www.geobiz.eu](http://www.geobiz.eu); follow us with [#GEOBIZ\\_project](https://twitter.com/GEOBIZ_project) on social networks, and listen to our guests' on [GEOBIZ Youtube channel](#).

*Zvonimir Nevistić, Zagreb*



*Joint photo of the kick-off meeting participants (Zagreb, February 4<sup>th</sup>, 2020)*

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## Task 1.3 – Geoinformatics curriculum analysis and comparison with EU models - activities status

Task T1.3, “Geoinformatics/Geodesy curriculum analysis and comparison with EU models” aims to analyze, compare and increase the quality of curricula in the service of business and economy in general. For the realization of curricula comparison, they have been classified into two groups. The first group contains the curricula of program partners and in the second group the curricula from project countries are listed.

The action plan is organized as follows:

- Collecting curriculums from partners,
- Methodology of grouping courses,
- Establishing the database of cooperation network,
- Discussion and comments with/from each partner,
- Comparing courses of partner group 2 with the courses of program group 1,
- Statistical analysis,
- Final comments
- Recommendations

Regarding curricula from program partners, they are stable and more advanced, while partner countries curricula are shorter in experience and require development. It is also preferable that higher education in Geoinformatics/Geodesy in the Western Balkans develops with approximately harmonized curricula. Based on the international literature and the projects developed regarding the comparison of

curricula, it has been ascertained that there are several methods of comparison. Here we have selected the method with a few groups in order to see their consistency, while the content and credit (ETCS) for each course to be selected by the academic institution.

For this issue, 10 curricula of BSc study programs and 11 curricula of MSc study programs were collected by the partners. In total, out of 21 curricula, 450 courses will be analyzed. The structuring of the research will be done separately for the BSc and MSc program, for group 1 and group 2. Task 1.3 on WP1, has organized two online meetings and participated in 2 PMB meetings, also online. We sent the first version of the grouping of courses in BSc and MSc for discussion and comments to our partners on 23.04.2020, to get feedback on the final version of the grouping of curricula and their analysis.

This initiative is a development of academic reform in order to raise the knowledge and capacity of young experts at national and international level. The reasons mentioned above lead us to conclude that the harmonization of the model in Geoinformation and Geodesy curricula within higher education according to the Bologna card has never been so necessary.

*Murat Meha, Pristine*

## 1<sup>st</sup> Project Management Board meeting

Following the successful Project Kick-off meeting which has been organized in Zagreb on February 4<sup>th</sup> – 6<sup>th</sup> the at which Project bodies have been established the 1<sup>st</sup> Project Management Board (PMB) meeting has been organized and held on February 26<sup>th</sup>. Almost all PMB members (16 out

of 18) attended the meeting on which the several important decisions have been made. Firstly, the PMB has been established, Željko Bačić, as Project coordinator as PMB chairmen appointed and internal work rules adopted. The Project bodies composition decisions and the

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Project Management Plan have been formally adopted. Due to starting Project dynamic revision of the Project Workplan has been discussed and adopted. The revised Project Workplan should be adopted at 1<sup>st</sup> Progress Meeting in Novi Sad.

Finalization of signing of the Partnership Agreements has been reviewed and incentive given to finish this task as soon as possible.

Finally, dates of the 1<sup>st</sup> Progress Meeting in Novi Sad have been fixed on May 4<sup>th</sup> – 6<sup>th</sup> and deliverables which are expected to be presented at the meeting defined. It goes for surveys in frame of the Work package 1 which should be released, and D4.1 Quality Assurance Plan, D5.1 Communication Plan, D5.4 Dissemination and D5.2.1 1<sup>st</sup> Project Status Report drafted.

*Željko Bačić, Zagreb*

## 2<sup>nd</sup> Project Management Board meeting

Due to outbreak of Covid-19 epidemic necessity has arisen to organize 2<sup>nd</sup> meeting of the Project Management Board prior planned one at the 1<sup>st</sup> Progress meeting. The meeting has been organized on-line April 23<sup>rd</sup>. The meeting has been attended by 17 out of 18 PMB members or partner representatives. Initially Željko Bačić reported about Project status in general and Work package leaders reported on activities in their Work packages.

The focus of the meeting was further on repercussions of Covid-19 epidemic on the execution of the project. PMB recognized that it was difficult to keep the project execution rhythm in past two months in the given circumstances. Further, there are many unknowns in the future how will the situation

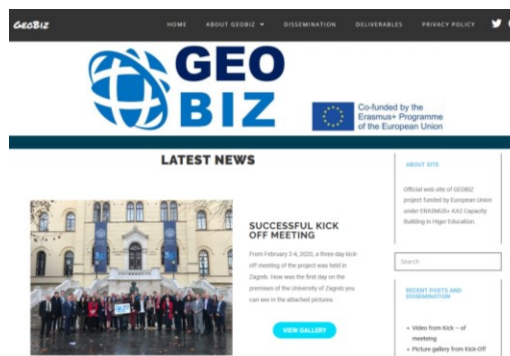
with Covid-19 develop. Therefore, it has been agreed to prepare revised version of the Project Management Plan with emphasis on Project Workplan revision and development of more flexible project activities (events) structure which will be able to cope with Covid-19 situation. The Project Management Plan v2.0 should be presented at 1<sup>st</sup> Progress meeting in May.

Regarding 1<sup>st</sup> Progress meeting it will be held in foreseen dates, from 4<sup>th</sup>-6<sup>th</sup> May 2020, but it will be organized on-line by the host, University of Novi Sad. The program content and meeting volume have been discussed and decisions made.

*Željko Bačić, Zagreb*

## Task 5.2 Maintenance of project website, social media and newsletter

At the kick-off meeting in Zagreb, the GEOBIZ project web pages were presented (website, Moodle platform and social networks). The project website is available at [geobiz.eu](http://geobiz.eu) and there you can find all the information related to the project itself. With the latest news, the site provides information on project objectives, expected results, organization of work, as well as information about project partners and task groups for all work packages.



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All hard work and successes achieved in the next three years will be disseminated through the website in the form of articles, newsletter and other media content. Also, all results of work in task groups - deliverables will be posted on the project website.

In addition to the website, which is open to the public, the project office also established the Moodle platform which is available to the project consortium only ([geobiz.eu/moodle](http://geobiz.eu/moodle)). Moodle will be used for basic communication between partners and materials for all Task groups will be available through the courses on Moodle. Each project member has already received a Moodle username and password. Moodle will also be used as a zone for the collection of financial and other relevant documents and to announce news that affect only partners, but also as a repository for all

publicly available documents that are published on the web.



The project is also active on social networks [Facebook](#) and [Twitter](#) (@GEOBIZproject) or just follow [#GEOBIZproject](#). Social networks present the best way of dissemination for the public and with this approach we believe that the largest number of followers and stakeholders will follow our work over the next three years.

*Zvonimir Nevistić and Vesna Poslončec-Petrić,  
Zagreb*

## GEOBIZ dissemination diary

### Project related article by Branko Božić, Marko Pejić and Sanja Tucikesić

Professor Branko Božić wrote together with Marko Pejić and Sanja Tucikesić paper “Projektno orijentisan problemski zasnovan model učenja – prva iskustva u primeni modela u okviru studijskog programa Geodezija I geoinformatika” (Project oriented problem-based learning The first experiences of using this approach at the study program Geodesy and geoinformatics). The paper has been published in January issue of journal „Tehnika – naše građevinarstvo”, No 74 (2020).

In this article the PBL approach was used at the course level as the method of learning. Through the Adjustment calculation course, a group of seven students was selected and started to work in accordance to PBL methodology. The method of work followed the PBL philosophy related to

widely accepted seven PBL steps. The students recognized a lot of benefits of PBL. They have been faced to the real-life problem, worked and communicate together and built the content of work in accordance to the project needs. They shared ideas, analyse them and made decisions. After completing the process, they presented the results. At the end of the process the survey was organized, and the students valued their efforts and assessed the quality of the PBL process. This very interesting paper can be accessed on this [link](#).

*Željko Bačić, Zagreb*

## 3D MOBILE MAPPING, INDOOR and UAV, workshop

GAUSS LTd, our partner on the GEOBIZ project, held on 11.03.2020. workshop at the Faculty of Mining, Geology and Civil Engineering in Tuzla.



Our Erasmus+ BESTSDI and GEOBIZ projects were presented at the workshop and participants were introduced to their significance, content and current status.



The workshop was also presented equipment and software products for 3D mapping including GeoSLAM's and UAV LiDAR, DJI professional photogrammetric drones with RTK positioning and Agisoft MetaShape software for photogrammetric image processing and 3D model generation.

*Mirza Ponjavić, Tuzla*

## Don't miss out

### Article “How the New EU Directive Will Change the Geospatial Data Market” published in GIM

In GIM International Magazine, well known international publication headline interview with Joep Crompvoets (Secretary General of EuroSDR) and Mick Cory (Director of Eurogeographics) has been published in March-April issue. The Directive on Open Data and the Re-use of Public-sector information which has been published in summer 2019 by the European Union is bringing many changes to the Geospatial Data Market. In the article, Joep Crompvoets and Mick Cory gave insight view in the consequences of this Directive, implication to public, and especially authoritative data and repercussions to the market. The article is available [here](#).



### EO4GEO newsletter #5

We are pleased to share with you the new issue [EO4GEO Newsletter # 5](#), the fifth issue of an Erasmus + EO4GEO project. Follow activities related to EO4GEO project with direct link to the newsletter is: [https://bit.ly/EO4GEO\\_Newsletter-5](https://bit.ly/EO4GEO_Newsletter-5) or project web-page [www.eo4geo.eu](http://www.eo4geo.eu).



### GEOBIZ newsletter #1

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## Impressum

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