

INTENSIVE PROGRAMME Sensing and Mapping the City Activities: C3 & C4

Student Call

WORKSHOP ORGANISER	TECHNICAL UNIVERSITY VIENNA – Institute of Spatial Planning & SIMLAB https://www.tuwien.at/en/
DURATION	5 days; October 12-16 2020 (Monday-Wednesday)
LOCATION	VIENNA, AUSTRIA (The pilot site is Seestadt Aspern Neighbourhood in Vienna)
PROJECT	CREATIVE DANUBE: INNOVATIVE TEACHING FOR INCLUSIVE DEVELOPMENT IN SMALL AND MEDIUM-SIZED DANUBIAN CITIES https://sites.google.com/view/danubian-smcs/home
INTRODUCTION	<p>SENSING AND MAPPING THE CITY: Just until recently, the task of mapping geographical phenomena was reserved for cartographers and other experts, who had access to the needed equipment (telescopes, sextant, theodolites, etc.) and expertise. Nowadays, facilitated by the wide prevalence of smartphones and other connected devices, it became inherently easy to find out our position and share it with others. The British-American cartographer Michael F. Goodchild coined the term “Volunteered Geographic Information”, created and distributed by non-trained users using the possibilities provided by technological innovations such as Web 2.0.</p> <p>The workshop deals with modern possibilities of creating and sharing geographical information, going beyond simply drawing phenomena on a map, adding multiple visual (GoPro) and sensory (Electrodermal activity) features to the shared information. In addition, participants will be able to learn and assess methods and tools to visualize the data and share them online. A main result of the workshop week will be the elaboration of a common project website, containing all the information acquired and prepared during the workshop.</p> <p>The 35 student participants will be assigned into 12 groups of 3 people each, with one or two teachers assisting the group, though not leading the team. Each group will focus on one assigned topic related to VGI and alternative data collection techniques, which will be subsequently tested, analysed and reviewed in a common blog.</p>

CONDITIONS

The eligible DANUBIAN_SMCs participation is 5 full workdays, between 12th October and 16th October 2020, excluding travel days, + contribution to the DANUBIAN_SMCs database of evaluated materials (delivering digital files of the presentation and of any other document presented at the meeting).

The Intensive programmes for higher education learners will be held in English.

OBLIGATIONS OF PARTICIPANTS

Active participation in the teamwork, discussions and summary sessions of the Intensive Study Programme.

Feedback about the impact of the Intensive Study Programme activity.

Submission of the presentation-publication-exhibition materials following the instructions of the DANUBIAN_SMCs contact at your institution.

Submission of the travel documentation to the faculty according to the university regulations.

PROCESS SELECTION CRITERIA

The university candidates must submit online their materials, following the DANUBIAN_SMCs university guidelines. Their submission by the **September 7, 2020, 23:59 CET** means that they accept the DANUBIAN_SMCs conditions and that they apply for the DANUBIAN_SMCs Erasmus+ grant.

The selection will be done online based on the submission of the applicant DOSSIER (in English) and INTERVIEW.

DOSSIER: The dossier should contain three parts, fully prepared in English language:

- [1] CV Europass in English (maximum 1 page with applicant photo),
- [2] Letter of intent (max 1 page),
- [3] List of studies, works, experiences and competences related to the project topics (max. 2 pages): Danube, small and medium-sized cities, mapping, urban development urban analyses or urban design. This list should be supported with graphical illustrations (plans, analyses, 3D presentations) if the enlisted works include them.

All three documents in the dossier should be connected into one PDF document, named as Name_Surname_No_Index (for example: John_Doe_2022_33055). The PDF document should be optimised up to the maximal size of 10 MB.

The applicant Dossier will be sent to contact person:

- **Ružica Pavlić**, IRO, University of Belgrade – Faculty of Architecture; Email: ruca@arh.bg.ac.rs

INTERVIEW: A short e-interview via TEAMS application will be conducted if the number of applicants exceeds available places (more than 5 applications). The purpose of the interview is to clarify the details of the submitted application. The interview will be preliminary held on Thursday, September 10, 2020.

Members of the Committee of Selection:

- **Aleksandra DJUKIĆ**, Dr., associate professor, and
- **Danijela MILOVANOVIĆ RODIĆ**, Dr., assistant professor.

TARGET GROUP

5 students per each partner university based on dossier submission ranking.

- * *A reserve list of max. 3 students will be created in the case of additional positively evaluated submission or, in case some of the selected ones are unavailable for the Intensive Programmes.*



LEARNING OUTCOMES

After successful completion of the course, students are able to review and apply alternative data acquisition techniques in the context of spatial planning. During the intensive workshop week, students will deal with a theoretical introduction to VGI, get an overview on modern (spatial) data analysis and visualisation techniques and present their results and findings on a project blog.

Transversal competences:

- Understanding the background of different sensory technologies (including medicine, cartography);
- Assessing and reviewing novel methodologies;
- Communicating the results for a wide audience; and
- Application of alternative data acquisition and analysis technologies (inputs from medicine, cartography)

ELIGIBILITY

The students' work including preparation, documentation, participation at the teaching laboratory with the implementation of its specific phases and the post processing activity will be expressed in 2 ECTS credits.

The following category of students from the University of Belgrade will be targeted:

- doctoral students with research related to the project topics, or
- students (at least on 4th year of studies) related (professionally or personally) to a small, medium-sized cities, or rural areas on Danube.

The students will be selected according to the APPLICATION PROCEDURE, through a CALENDAR with the PROCESS SELECTION related to the management activities and outputs of the project.

Typical successful applicants would be students from the higher education institution:

- interest in web-mapping, coding and/or ICT-based solutions in spatial planning;
- have the availability throughout the 5+2 days of this intensive programme (if the period overlaps with the University's exams, the students must announce at the tutors 'exams their participation in the Intensive programmes for higher education learners before the departure);
- proven academic skills in Erasmus+ field and thematic interest on SMCs planning;
- have a clear idea how their grant will benefit for their educational and professional development;
- have a clear idea about the eventuality of integration of the Erasmus grant with their economic resources;
- have good English Language skills; and
- students with economic problems will prevail (priority selection for the project of the students from disadvantaged or undeveloped social environments: economic obstacles, cultural differences, social obstacles), with supporting documents may be attached.

COST COVER GRANT HOLDERS

Selected students will be considered Erasmus+ grant holders. The refund cannot exceed the unit costs determined by the European Commission for Romania according to the Erasmus+ guideline and DANUBIAN_SMCs approved budget **586 Euros per participant** (Travel Grant: 180 Euros; Grant (for accommodation): 406 Euros (5 working days + 2 days travel). Furthermore, the budget management had to meet the legislation of the Republic of Serbia and the University of Belgrade.

The applicants must consider the fact that the grant might not entirely cover the transport and accommodation costs. An additional personal budget must be considered.

REQUIRED EQUIPMENT at the place:

- Laptop,
- Smartphone,
- Camera or/and mobile phone / for photo or/and video making
- Sketching papers.

More details about the project here: <https://danubian-smcs.uauim.ro>

More details about the KA2 funding grants will be found here: <https://tempus.ac.rs/erazmusplus/>

