

Winter School – University of Zagreb

“GIS and Remote Sensing for Climate Change Management in Agriculture”

GeoCLIC – GEOinformation educational resources for Climate Change Management

GeoCLIC Winter School, University of Zagreb Faculty of Agriculture
05 – 09 February 2024

Winter School Announcement

The ERASMUS+ GeoCLIC project consortium organizes the GIS & RS for CCM Winter School, aiming for students to get introduced to and learn more about geoinformation for CCM in agriculture.

GeoCLIC is an Erasmus+ project funded by the European Commission. By sharing academic resources, the project's overall aim is to increase analytic and professional skills among students and Life-Long Learners to improve their competencies in Climate Change Management (CCM) through use of Geographical Information System (GIS) and Remote Sensing (RS) tools online. Herein, GeoCLIC introduces the Work-based Learning approach to develop training projects and internships in areas impacted by Climate Change. A particular priority is to motivate participation of female learners. 5 modules [Fundamentals of RS and GIS in CCM, Coastal management, Urban/cities, Forest conservation and Smart agriculture] and OERs (Open Educational Resources) related to CCM will be developed and further enhanced by the use of innovative online learning tools and international collaboration. Employability skills will be boosted by hands-on practices and direct contact with employers. To transfer the project benefits to society, multiple interactions between educators, researchers, environment companies/NGOs and decisionmakers are planned.

A five-day Winter School is scheduled to take place from February 5th to 9th, 2024, at the University of Zagreb Faculty of Agriculture (UNIZG-FAZ). The event will host participants from four additional academic institutions: Polytechnic University of Valencia (Spain), Weihenstephan-Triesdorf University of Applied Science (Germany), Vrije Universiteit Brussel (Belgium), and the University of Nicosia (Cyprus). The main topic is Technical Training in GIS & RS for CCM, the theme is Agriculture. Agriculture is one of the most important topics in CCM as more than 1/3 of global land surface is used as cropland. Sustainable practices are vital to CCM. Winter School will focus on sharing the best practice of teaching the use of geoinformation in climate change management in agriculture, and include the theory background, technical requirements, state-of-the-art methodologies, new trends and future development, with practical assignments for participants. Working in groups with people from different backgrounds and under mentoring of experts will help them understand better the new concepts and to get insight into the problem from different perspective.

Call for Applications

Objectives of the mobility: Participating in one week Winter School on *GIS and Remote Sensing for Climate Change Management in Agriculture*.

Hosting institution: University of Zagreb Faculty of Agriculture

Location: Zagreb (Croatia)

Dates: 05 – 09 February 2024

Duration: 5 days

Funded positions: 4

Financial support: Project GeoCLIC (<https://geoclic.be/>) funded under the *Erasmus+ Key Action 2: Cooperation Partnerships Programme*.

- Travel, Board & Lodging, Insurance covered

Call for applications period: from 19/12/2023 until 04/01/2024, 23.59h CET.

Candidates' requirements:

Students registered in the following degrees:

- **Master en Ingeniería Geomática y Geoinformación**
- **Máster en Ingeniería Hidráulica y Medio Ambiente**
- **Máster en Ingeniería Agronómica**
- **Máster en Ingeniería de Montes**
- **Máster en Ingeniería Bioambiental y del Paisaje**
- **Doctorado en Ingeniería Geomática** (1st or 2nd year)
- **Doctorado en Recursos y Tecnologías Agrícolas** (1st or 2nd year)
- **Doctorado en Ingeniería del Agua y medioambiental** (1st or 2nd year)
- Background: Preferably some ECTS in Remote Sensing & GIS
- English B1

Evaluation criteria:

Initial ranking made according to academic record of the previous finished academic year or degree (average grade)

Additional points

- English Language certificate C1 or higher: 1 point
- Motivation letter: 1 point

Application procedure:

Applications must be submitted via e-mail to laruiz@upv.es before the deadline established above. **Please indicate in the subject *GeoCLIC Winter School*.**

- Documents to be submitted:
 - ✓ Motivation letter
 - ✓ Transcript of records
 - ✓ Language certificates
 - ✓ Certificate of enrolment at UPV (year when the activity takes place)

EVALUATION COMMITTEE

- Prof. Luis Ángel Ruiz Fernández
- Prof. Josep E. Pardo Pascual
- Prof. Jesús M. Palomar Vázquez
- Prof. Alfonso Fernández Sarría
- Prof. Jorge A. Recio Recio

The provisional results will be published by January 5th, 2023, on the website of the *Cartografía GeoAmbiental y Teledetección (CGAT)* research Group (<http://cgat.webs.upv.es/>)