BIP details:

BIP ID: 2025-1-CZ01-KA131-HED-000325410-31

GeoSpatial Summer School 2026 (G3S 2026)

Type of Participants:

- Students (Bachelor, Master, PhD)

Objectives and Description:

The Geospatial Summer School 2026, titled **GIScience & Cross-border data**, is planned as a **Blended Intensive Programme (BIP)** that brings together students, educators, and researchers to explore the latest trends and challenges in geospatial data and analysis in cross-border contexts. This year's Geospatial Summer School focuses on **GIScience and cross-border data analysis**, with particular emphasis on the use of **new and non-traditional data sources** for studying spatial processes across national borders.

The main objective of the summer school is to equip students with **conceptual, analytical and practical skills** to get insights into cross-border spatial data, understand their limitations, and interpret spatial patterns that do not follow administrative boundaries. Special attention is given to **cross-border regions delimitation, possibilities of capturing spatial flows, and cross-border interactions**, or reveal spatial patterns going across borders. Using real-world datasets and new data sources (e.g. from social media, web scraping, and other emerging data sources), participants would be equipped with new competences of data analysis and visualisation applicable in cross-borders context (but not limited to).

The programme is designed as a **progressive learning path**, starting with a conceptual introduction to cross-border spatial thinking and gradually moving towards hands-on analytical work, visualisation, and independent student projects.

Methods and Learning Approach

The summer school combines **theoretical input, practical GIS exercises and project-based learning**, ensuring a strong balance between GIScience concepts and applied spatial analysis.

Indicative Programme Logic (5-day structure of the physical mobility)

- **Day 1 – Cross-border space and new data**
- **Day 2 – From data to indicators**
- **Day 3 – Spatial analysis of cross-border phenomena**
- **Day 4 – Visualisation and communication**
- **Day 5 – Student projects and presentation**

Expected Learning Outcomes

- Understand cross-border regions as **functional spatial systems** rather than administratively defined units.
- Work with **heterogeneous and non-traditional spatial data sources** in a GIS environment.

- Apply spatial analytical methods to explore geographical phenomena going across national borders.
- Critically assess data quality, bias and limitations in cross-border spatial analysis.
- Communicate analytical results through appropriate spatial visualisation and interpretation.

Start Date/End Date:

- 22.-26.6.2026

Virtual Component Timing (multiple choice):

- Before

City of the Venue: Olomouc

Country of the Venue: Czechia

Main Teaching/Training Language: English

Number of ECTS Credits Awarded: 3 ECTS (or upon agreement)

Partnership information:

Name of the institution: Palacký University Olomouc

OID: E10208271

Partnership role: coordinator

Mobility Activity Role: Receiving institution