

Erasmus+ Blended Intensive Programme (BIP)
Summer School in

CLIMATE-RESILIENT CRITICAL INFRASTRUCTURE (CRESC)

August 24 – 28, 2026

Europe's critical infrastructure is becoming increasingly exposed and vulnerable to the growing frequency and intensity of extreme climate events. Addressing these challenges requires new expertise capable of analyzing complex, interconnected systems in a rapidly changing environment.

This school is designed for students who want to:

- Understand complex, interconnected systems
- Tackle real-world climate challenges
- Develop practical skills for a rapidly changing environment

Who runs the Summer School?

Summer School in Climate-Resilient Critical Infrastructure is organized within the Erasmus+ programme by the Faculty of Safety Engineering, VSB – Technical University of Ostrava, in cooperation with:

- **Technical University in Zvolen**
- **Pomeranian University in Słupsk**

Where is the BIP located?

Ostrava, Czech Republic – the capital of the Moravian-Silesian Region. As part of the programme, participants will also have the opportunity to explore unique cultural and industrial heritage sites.



Preliminary programme

A unique mix of **collaborative international project-based learning**, combining online and on-site activities, theoretical and practical approaches



Summer school combines online learning with a 5-day mobility in Ostrava. It gives you a great chance to study abroad for a short time, collaborate internationally with your peers, gain 3 ECTS credits, and experience innovative teaching that blends theory with practice.

Pre-online sessions

Mid-August, 1 afternoon, 1.5 h

Getting to know each other, setting expectations, forming international teams, and attending preparatory lectures and workshops. (Exact dates will be confirmed.)

Face-to-face sessions:

- Nature-Based Solutions for Demonstrating Climate-Resilient Critical Infrastructure
- Evaluating the complexity for the analysis of critical infrastructures
- Climate Resilience of Industrial Critical Infrastructures
- Geographical Information Systems
- Hands-on training
- Team project work

Date & time: Ostrava, 24 – 28 August 2026

Participants

The BIP is open to:
Students particularly in Civil Protection and Safety engineering, but also in Physics, Natural Sciences, Social Sciences, Engineering (Chemical, Environmental, Civil, Energy)
Staff (teaching or training shadowing) from Erasmus+ partner universities.

Social programme

Welcome drink, informal get-together
farewell gathering

How to apply

Each student is nominated by their home university. Once we receive the nomination, we will contact the nominated student individually.

Deadline: 30 June 2026

Maximum number of participants: approx. 20 students.

Recognition of participation

Successful participants will receive:

- 3 ECTS credits
- Transcript of records
- Certificate of attendance

Financial support

Each student will receive financial support from their home institution from the Erasmus+ program, intended to cover expenses related to travel, accommodation, and meals.

Further practical info

Accommodation:

Pre-booked rooms are available at VSB-TUO hotel Garni. Details will be provided to accepted participants.

Travel information:

Practical guidelines on how to reach Ostrava and the VSB-TUO campus will be shared after selection.

Meals:

Students can use the university canteen or nearby restaurants. Affordable dining options are available on campus.



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Contacts

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