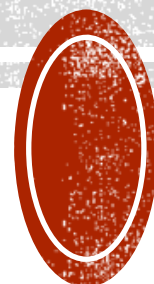


Call for participation: Erasmus+ BIP

Alternative application of waste materials to reduce carbon footprint - the path to a circular economy

**Building materials - history, present and future
Spring 2026**



This Erasmus+ BIP program is an international and interdisciplinary challenge for students. It is designed for civil engineers, architects, economists, creatives and other related fields of study.

Explore Ostrava and VSB – Technical University of Ostrava! As part of the BIP program, you will have the opportunity to experience our specific region, visit interesting and unique structures and enjoy the labs with all the secrets.

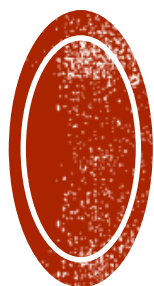


Reducing the carbon footprint is a trend in all industries, and civil engineering is no exception. Attention is currently focused mainly on concrete. This implies the need to look for alternative ways to the traditional ones. Therefore, BIP focuses on the principles associated with the circular economy. Join and you will have a lot of fun with designing innovative composite materials with a lower CO₂ footprint, you will try out innovative technologies, different testing methods, but you will also visit interesting places related to the topic.

Finally, meet people from different European universities and find out about their positions and ideas. Become part of an international student team and focus on innovations in the field of building materials.

Virtual part of the program includes the following activities:

Date	Format	Activity
Tuesday 10/03/2026	Online meeting	Kick off, lectures, workshops
Thursday 26/03/2026	Online meeting	Lectures, presentation of tasks, practical information



TENTATIVE PROGRAM may be subject to changes

Practical part in Ostrava includes the following activities:

Date	Format	Activity
Sunday 19/04/2026	Excursion day	Welcome trip
Monday 20/04/2026	Teamwork	Laboratory testing and designing of materials
Tuesday 21/04/2026	Teamwork	Manufacturing day – composite and model
Wednesday 22/04/2026	Excursion day	Different structures – different perspectives
Thursday 23/04/2026	Teamwork	Testing of final products, evaluation (LCA, ...)
Friday 24/04/2026	Completion	Finalization of students work, presentations

Learning outcomes:

- Understanding the issue of sustainable materials.
- Application of the principle to similar topics.
- **Completion of the program will give 3 ECTs.**
- A certificate of completion will be provided to successful participants.

PRACTICAL INFORMATION

Who can participate:

Academic: open to Ph.D. students, Master's students and students in the final year of a Bachelor's degree

Language : English level B2

Selection:

Students will be selected by the BIP's academic coordinators based on the:

- CV in English,
- motivation letter stating why you would like to participate in this Erasmus+ BIP (1 A4 page maximum, written in English).

Grants:

You will receive a grant from your university in order to pay for the travels, accommodation & meals.

Accommodation

Accommodation will be available in a hotel part of the dormitories in Ostrava.

Transportation

Participants are responsible for all travel arrangements.

Contacts:

BIP's academic coordinator: Tereza Majstríková – tereza.majstrikova@vsb.cz

Erasmus administrative coordinator: Marcela Maturová – marcela.maturova@vsb.cz

