

# Designing REsilient And sustainable environMents DREAMs



UNIVERSITÀ  
POLITECNICA  
DELLE MARCHE



## 1. Program Overview

An **Erasmus+ Blended Intensive Programme (BIP)** call is a unique hybrid opportunity. Unlike a traditional semester-long exchange, these calls focus on short, high-intensity learning.

The call defines the BIP as a combination of **two mandatory phases**:

- **Virtual Component:** Online collaborative sessions (lectures, group work, or workshops) held before, during, or after the physical stay.
- **Physical Component:** A short-term stay (usually **5 to 30 days**) at the host university abroad.

## 2. Objectives, Description & Teaching Methods

The BIP program offers a platform for multidisciplinary and transnational discussion and idea exchange. Participants are encouraged to critically explore issues related to the **sustainability and resilience of the built environment**, beginning with foundational knowledge and then examining, from various perspectives and using practical examples, how future engineers will need to incorporate concepts of the circular economy and resilience into their work.

The course introduces participants to the essential aspects that can be addressed to ensure a **sustainable and climate-resilient environment and structures**.

In fact, future professionals in the sector are increasingly expected to be more aware of transversal skills, such as knowing how to evaluate and monitor environmental standards.

During the course, participants will see how the principles of climate resilience are applied while maintaining high standards of sustainability, occupant comfort, use of alternative resources, reduction of environmental impact, and implementation of circular economy design principles.

Topics include:

- Resilience of civil structures and durability
- Health, comfort and environment indoor air quality
- The role of materials for sustainable resource use
- Construction and demolition, and other wastes
- Hazardous wastes (e.g. asbestos)

**The successful completion of the DREAMs BIP program provides 4 ECTS.**

The objectives are achieved through a combination of lectures, workshops, laboratory activities, educational visits, and practical examples. Interaction among participants is also seen as essential, encouraging discussion based on their own experiences and applying the knowledge gained during the program. Interaction among participants from diverse backgrounds is also emphasized (target courses include civil, building, environmental, and architectural engineering, etc.).

### 3. Partnership, Dates and venue

- **Leading University:** Università Politecnica delle Marche (Italy)
- **Partners:**
  - Gdańsk University of Technology (Poland)
  - TU Dresden (Germany)
  - Polytechnic Institute of Viana do Castelo (Portugal)
- **Virtual component:** online, 18.05.2026, 19.05.2026 and 22.05.2026
- **Physical mobility:** Università Politecnica delle Marche (university campus), Ancona (Italy), 15.-19.06.2026



### 4. Eligibility & Expressions of Interest

To apply, candidates must be a currently enrolled student (Bachelor's, Diploma's, Master's, or PhD) at the TU Dresden.

Informal enquiries and expressions of interest should be addressed via email to **Dr Cesare Signorini** ([cesare.signorini@tu-dresden.de](mailto:cesare.signorini@tu-dresden.de), Institute of Construction Materials, Faculty of Civil Engineering, TU Dresden) by **Friday 13 March 2026** (23:59 CET).

Expressions of interest should include the following (in a single .pdf attachment):

- Curriculum Vitae with overview of Grade Point Average (GPA) and credits earned;
- Brief motivation statement explaining why this specific BIP topic aligns with your studies;
- Language skills certificate (or proof that English exams in the regular university curriculum are successfully passed), proving proficiency in the language of instruction (ideally at least B2 English).

**Enquiries and expressions of interest must be sent from a TU Dresden institutional email address.** Applications sent from personal email addresses will be disregarded automatically. You may be required to attend a personal interview (either online or on-site at the Von-Mises-Building, Georg-Schumann-Str 7, 3<sup>rd</sup> floor).

## 5. Financial Support (Erasmus+ Grant)

The funding for a BIP is calculated per day for the physical duration:

- **Travel Allowance:** € 309,00\*
- **Daily Allowance:** € 79,00\*\* per day

\* **Green Travel:** An extra grant and additional travel support if you use sustainable transport (train, bus, carpooling).

\*\* **Top-up for Fewer Opportunities:** Students with disabilities or from disadvantaged backgrounds often receive a one-time supplement.

Additional information at: [https://tu-dresden.de/studium/im-studium/auslandsaufenthalt/programme-und-foerderungsmoeglichkeiten/erasmus?set\\_language=en](https://tu-dresden.de/studium/im-studium/auslandsaufenthalt/programme-und-foerderungsmoeglichkeiten/erasmus?set_language=en) (section: "*blended mobility (short-term mobility)*").

## 6. Selection Criteria

- **Academic Merit:** Grade Point Average (GPA) and credits earned (*assessed in the application documents*).
- **Motivation:** How much the BIP adds to your professional or academic profile (*assessed in the application document and during the interview*).