ERASMUS+
BLENDED INTENSIVE PROGRAM

SUSTAINABLE SUPPLY CHAIN & LOGISTICS
WIRED BY DATA ANALYTICS

Introduction

The Blended Intensive Program (BIP) is a short yet intensive knowledge enrichment initiative that leverages innovative teaching and learning methods.

The program includes two distinct phases: a virtual component followed by an in-person experience, that is a short-term physical mobility in Coimbra, Portugal.

Thus, the BIP is a facilitator for a transformative learning journey, fostering a data-driven mindset and establishing a solid foundation for advanced studies and practical applications in logistics and supply chain management.

By participating, students will develop essential academic and organizational skills, gaining expertise in management and data-driven decision-making tools for sustainable supply chains.

Eligibility and Enrolment

- Open to students from any of the partner universities, either in undergraduate or master's programs.
- No prior experience in logistics & analytics is necessary

Virtual Sessions

- Scheduled for May; conducted via Teams.
- Total of **20 hours**: 10 hours of synchronous sessions plus 10 hours of autonomous work.
- Focus on foundational concepts of supply chain and data analytics.
- Designed to prepare students for the in-person course

In-Person Course

- Takes place in **July** from **7th to 11th July 2025**.
- emphasis practical application of abilities learned.
- Project-based learning in virtual and in-person courses
- Promotes collaboration among students to solve real-world problems using data analytics & optimization tools.
- Fosters problem-solving and critical thinking skills.

Outcomes and Skills Developed

- Proficiency in Supply Chain & Logistics Sustainability
- Strengthen Data Analysis and Data Visualization.
- Capability to make Logistic & Supply Chain Decisions wired by data analysis and optimization tools.

3 ECTS

Erasmus+ BIP ID:

2024-1-PT01-KA131-HED-000235790-45

Type of Participants (Learners): Students
Maximum Number of Participants: 30
Priorities Addressed: Supply Chain & Analytics
Main Teaching/Training Language: English

Coimbra, Portugal Coimbra Business

Where?

Coimbra Business School | ISCAC

When?

Virtual Activities: May/2025

In-Person Activities: From July 7th to July 11th, 2025

Short In-Person Program

9:00 am to 5:00 pm

Monday, July 7th

9:00 am Welcome reception

10 am to 5 pm Courses & Learning activities

5:00 pm *"International Flavours"* – each participant brings something from his country.

Tuesday and Thursday - courses and learning activities

Wednesday – Corporate Site Visit and social program

Friday, 3:00 pm: Closing Ceremony

How to register?

In **Beneficiary Module Platform** by each HEI International Relations Office **Registration ends 7th May**

How much will this BIP cost?

Program includes: 2 coffee breaks each day and lunch on Monday, Tuesday, Thursday, and Friday

Program does not include accommodation Students should book their accommodation. Special prices are available and applications will be available soon.

Objectives & Contents

Main Objectives

1. Consolidate the principles of sustainability in real-world supply chains;
2. Develop risk mitigation strategies with integrative sustainable partnerships;
3. Expand process analysis to enhance sustainability through robust optimal decisions;
4. Gain skills on data analysis to improve logistics efficiency;
5. Improve decision making capacity using Data Analytics;
6. Apply novel logistics strategies to reduce climate and environmental impacts;
7. Acquire decision effectiveness and efficiency.

Contents

1. Exploratory concepts on logistics sustainability and green strategies;
2. Uncertainty and risk mitigation on supply chain demand and supply processes;
3. Logistic key indicators and strategies to mitigate climate and environmental effects;
4. Foundation on optimization models and tools;
5. Optimization tools applied to green supply chains;
6. Overview on Data Analytics and Digital Transformation
7. Data Analysis and Data Visualization Techniques
8. Applications of Data Analysis to Logistics Sustainability and Supply Chain Digital Transformation
9. Optimal and Data-driven decision proposals.

BIP Description

This BIP offers a unique opportunity for students to explore supply chain sustainability and to gain data analytics knowledge, welcoming participants from diverse backgrounds without requiring prior experience. The program is opened to undergraduate and master's students from partner universities and it comprises two phases: virtual and in-person.

The virtual phase (May) includes 20 hours of learning via Microsoft Teams and autonomous work. The in-person phase, held in Coimbra in July, provides an immersive experience where students apply the acquired skills in practical scenarios.

A key feature of the program is its project-based learning approach, fostering collaboration, problem-solving, and critical thinking. Additionally, students benefit from a Job Shadowing opportunity, gaining real-world business insights.

By the end, it is expected that participants will gain robust foundations on Supply chain Sustainability and Reverse Logistics supported by Data Analysis, Data Visualization, and Data-driven Decision Making.

Virtual Component Description:

The virtual component of the Blended Intensive Program (BIP) serves as a preparatory course, covering the foundation on logistics and supply chain management as well as the data analytics fundamentals to ensure all participants achieve a common knowledge base.

This interactive, hands-on course introduces, with a strong focus on practical sustainability strategies, supply chain management, data analysis and real-world applications. Participants will actively apply concepts to develop practical proficiency.

Microsoft tools as Power BI and advanced Excel applications were chosen for its simplicity, versatility, and essential role in data analysis and visualization, while allowing optimization tools. Its organizational and public dissemination reinforces the program's goal of capacitating participants with relevant skills for a holistic and professional-oriented learning experience.

Present Partners: Higher Education Institutions, HEI,

COIMBRA BUSINESS SCHOOL | iscac Politécnico de Coimbra | UNIMORE Università degli Studi di Modena e Reggio Emilia | Faculty of Management University of Lodz | Universidad de Almería | Rzeszow University of Technology