




# Exploring Environmental Sustainability in Coastal Cities: Eco-Innovation to Mitigate Air Pollution & Water Contamination



**Riga Technical University**  
Latvia, Riga  
**RTU LIEPAJA**  Latvia, Liepaja

Study location	Latvia, LIEPAJA
Academic field	Environment (ISCED 052)
Type	Erasmus+ BIP, short-term
Nominal duration	Physical part: 27-31 October (Liepaja); Online (final presentations): 14 November (3 ECTS)
Study language	English
Course code	2024-1-LV01-KA131-HED-000214616-19
Entry qualification	High school / secondary education (or higher)
Language requirements	English
Other requirements	Participants are supposed to cover their expenses with the Erasmus+ grant provided by the home institution. Please contact the International Office of your home university to get more information on funding. Students need to be nominated by their home university to participate in the Blended Intensive Programme (BIP).



## **Exploring Environmental Sustainability in Coastal Cities:**

*Eco-Innovation to Mitigate Air  
Pollution & Water Contamination*

# Join a BIP!

This Program invites students to dive into the real-world challenges of environmental sustainability, focusing on the core elements of life: **air and water**. Through lectures, laboratory works, case studies, study visits, and hands-on workshops, students will explore the causes, impacts, and innovative solutions to pollution and degradation affecting these vital systems.



# Join a BIP!



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**Are you interested in Environmental challenges, such as mitigating water and air pollution?**

Lectures, laboratory works, workshops, and study visits over 5 days in Latvia, followed by a virtual component.

The course bridges environmental science, green innovation, and sustainability practices, empowering students to critically assess ecological risks and propose action-oriented, innovative solutions. Whether it's monitoring air quality, mitigating urban air pollution, tackling sea eutrophication, or protecting freshwater ecosystems, students will gain the knowledge and skills needed to become environmental changemakers.

**Perfect for students passionate about sustainability, environmental protection, and green innovation.**



# Lecturers



**Dr. Tatjana Paulauskiene**

Professor & Chief Researcher at Klaipeda University (Lithuania), CEO & Founder of INOBIOSTAR



**PhD. Lilita Abele**

Head of the Environmental direction at RTU Liepaja (Latvia), Leading Researcher and lecturer



**PhD St. Edgars Karklins**

Scientific assistant at RTU Liepaja and PhD researcher at Latvia University of Life Sciences and Technology (Latvia)



**M.A.Env.Sc. Martins Lastovskis**

Aquatic supply chain Project Manager at Submariner Network (Germany)



**PhD St. Juta Karklina**

Scientific assistant at RTU Liepaja and PhD researcher at Latvia University of Life Sciences and Technology (Latvia)





# Week plan



**Exploring Environmental Sustainability in Coastal Cities:**  
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## Monday

10-11 Introduction

11-11:15

11:15-12:45 Environmental challenges **LW**

12:45-14:00

14-15 Water contamination **L**

15-15:15

15:15-16:30 Eutrophication **L**

## Tuesday

Air pollution **L**

Air pollution **W**

AquaLab @Nature House Liepāja **S**

AquaLab @Nature House Liepāja **L**

## Wednesday

Group task **W**

Water contamination **L**

Oil spill in the sea **L**

Group task **W**

## Thursday

10-12 Group task **W**

12-13

13-13:30

13:30 - 16:50 Liepāja - Riga

17-19 Activity in Riga

## Friday

Air pollution mitigation **S**

Lab visit: air & water **S**

Final presentations discussion & farewell **W**

**L** lecture

**L** lab work

**S** study visit

**W** workshop

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