



ALMA MATER STUDIORUM  
UNIVERSITÀ DI BOLOGNA

DIPARTIMENTO  
DI FISICA E ASTRONOMIA  
"AUGUSTO RIGHI"

**International Summer School**  
EU Green Week Partner Event 2024

# Nature-based solutions for hydro-meteo hazards and climate change adaptation

22 JULY - 26 JULY 2024

📍 **Aula Magna, Department of Physics and Astronomy, University of Bologna,  
Via Irnerio 46, 40126 Bologna, Italy**

## Overview

The summer school is centred around EU-funded projects (OPERANDUM, LAND4CLIMATE and ALBATROSS) that aim to demonstrate the effectiveness of Nature-based Solutions to hydro-meteorological hazards in several case study sites. The summer school will present methodologies for the co-creation of NBS, from stakeholder engagement and risk assessment to implementation and monitoring, and for the evaluation of their efficacy in present and future climate. The results are multidisciplinary and involve novel modelling strategies, laboratory measurements and targeted monitoring open-field campaigns where NBS are implemented.

## School Highlights

### Lectures

The course will provide students with a knowledge basis on the application of NBS to mitigate hydro-meteo risks

### Group Work

Participants will take part in independent group projects applied to different case sites

### Showcase Event at Lido di Volano


Participants will get the opportunity of visiting one of the EU Open-Air Laboratories: the Volano Beach

## Registration

Candidates are invited to check the eligibility criteria before applying. **The deadline is extended to 03/06/2024.**

🔗 [Eligibility criteria](#)

🔗 [Link to registration form](#)

 This summer school has received funding from the European Union's Horizon 2020 and Horizon Europe research and innovation programme under grand agreement 776848, 101137895, 101112781

## Lecturers

**Silvana Di Sabatino** - Professor, Department of Physics and Astronomy, University of Bologna (**Coordinator of the school**)

**Irina Pavlova** - Associate Programme Specialist, UNESCO's Division of Ecological and Earth Sciences (**Co-Coordinator of the school**)

**Stefan Greiving** - Professor, Department of Spatial Planning, University of Dortmund

**Laura Sandra Leo** - Senior Assistant Professor, Department of Physics and Astronomy, University of Bologna

**Massimo Menenti** - Professor, Department of Geoscience and Remote Sensing, Delft University of Technology

**Fabrice Renaud** - Professor in Environmental Risk/Community Resilience, University of Glasgow

**Thomas Hartmann** - Professor, Department of Spatial Planning, University of Dortmund

**Heikki Tuomenvirta** - Senior Research Scientist, Head of group Seasonal and Climate Applications, Finnish Meteorological Institute

**Beatrice Pulvirenti** - Associate Professor, Department of Industrial Engineering, University of Bologna

**Federico Porcù** - Associate Professor, Department of Physics and Astronomy, University of Bologna

**Paolo Ruggieri** - Junior Assistant Professor, Department of Physics and Astronomy, University of Bologna

**Francesco Barbano** - Junior Assistant Professor, Department of Physics and Astronomy, University of Bologna

**Teresa Carlone** - Junior Assistant Professor, Department of Sociology and Economic Law, University of Bologna

**Fabrizio Tavaroli** - Sustainability Manager at RINA Consulting

**Milan Kalas** - Freelance consultant, European Commission/ Copernicus EMS EFAS/GloFAS/GFM and CEO @KAJO

**Albert Sorolla** - Technical Director at Naturalea

## Contact information

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