

Hybrid WORKSHOP

Nature-based solutions in the real world. Application, case studies and market perspectives.

Aula 3

Scuola Superiore Sant'Anna (Pisa, Italy)

18th October 2023 (2-7 pm CET)

An outcome of the INTERREG Marittimo IT – Maritime FR Res_EAU project



The webinar will be held in English with translation in French and Italian.

Participants will be allowed to pose questions to the speakers.

Participation (online or in presence) is free and welcome upon registration using the form:

https://docs.google.com/forms/d/e/1FAIpQLSd1LLambVMvfSCx6DyCiOczyengpCN9KZGuV8pmsjU UuHScRg/viewform?usp=sf_link

Only 100 participants will be allowed online.

Only 20 participants will be admitted to the room (Aula 3 - Scuola Superiore Sant'Anna, Piazza Martiri della Libertà - Pisa)

Registration will be based on first come first served basis.

You will receive the link to the webinar or confirmation of participation in presence to the workshop on Tuesday the 17th October.

Do not hesitate to contact us in case you need further infos at rudy.rossetto@santannapisa.it

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Nature-based solutions in the real world. Application, case studies and market perspectives.

While **climate change** is posing at risk traditional **water resources management**, there is the urgent need to devise **low-energy** and **low-impact solutions** to adapt the environment, societies and economies to this threat.

The workshop, an outcome of the INTERREG Marittimo IT – Maritime FR **Res_EAU** project, and organised within the **WAT-CHANGE Seasonal School** (<https://www.santannapisa.it/it/seasonalschool/wat-change-water-ecosystem-climate-change>), aims at introducing the participants to the new growing area of **nature-based solutions** providing **water-related ecosystem services**.

In particular, speakers will deal with nature-based solutions for water supply, treatment of polluted water, and flood risk mitigation such as managed aquifer recharge, river restoration, constructed wetlands, sustainable drainage systems, and remediation of contaminated sites using phytoremediation techniques.

The workshop will allow showcasing technical solutions, along with the market and the regulatory perspective and discussing the state of the application of nature-based solutions in the real world.



WORKSHOP PROGRAMME

| Time | Speaker | Presentation title | Affiliation |
|-------|----------------------|---|---|
| 13:50 | | Registration | |
| 14:10 | Rudy Rossetto | Welcome and workshop introduction | Scuola Superiore Sant'Anna |
| | | Session 1 - chairman: Luca Sebastiani | |
| 14:15 | Fabio Masi | Nature-based Solutions for Application of Circular Economy strategies | IRIDRA srl |
| 14:40 | Aurore Malapert | Wolong lake restoration project : presentation and lessons learnt (France) | BIOTOPE |
| 14:55 | Iqra Sarfraz | A pilot study on living green walls for grey water treatment in the public school of Ferla (Italy) | Scuola Superiore Sant'Anna |
| 15:10 | Julia Yap | Nature-Based Solutions as the new asset class: market and business trends | ERM ITALIA |
| 15:30 | Riccardo Benifei | Design of retrofitting solutions by means of Sustainable Drainage Systems (SuDS) in Venturina Terme (Italy) | Consorzio Bonifica 5 Toscana Costa |
| 15:45 | Elfithri Rahmah | UNESCO's Ecohydrology Approach within the IHP-IX (2022-2029) | UNESCO Intergovernmental Hydrological Programme |
| 16:05 | | First Round of Discussion | |
| 16:20 | | Coffe break | |
| | | Session 2 - chairman: Rudy Rossetto | Scuola Superiore Sant'Anna |
| 17:00 | Alessandro Fabbrizzi | The INTERREG ReS_EAU project to reduce flood risk by means of nature-based solutions and resilient and aware communities | Consorzio Bonifica 5 Toscana Costa |
| 17:15 | Eleni Koutsovili | Participatory approach application for planning Nature-Based Solutions in a flood vulnerable landscape in Greece | Scuola Superiore Sant'Anna |
| 17:30 | Marco Masi | Water scarcity and fight against climate change | Regione Toscana |
| 17:45 | Nicola Del Seppia | The EU project Phusicos "according to nature". Implementation of rural NBS. | Autorità di Bacino Distrettuale dell'Appennino Settentrionale |
| 18:00 | Ataollah Joodavi | Does old concrete grid pavers still work? A case study from San Giuliano Terme (Italy) | Scuola Superiore Sant'Anna |
| 18:15 | | Second round of discussion | |
| 18:45 | | Workshop conclusions | |