

LAND4FLOOD Workshop

Nature based solutions for flood retention in Southern Europe

Wednesday, 30 January

14:00 - 14:30 *Welcome to participants*

14:30 - 15:45 *Problematic of floods in Southern Europe, context and main challenges*

Urban sprawl in southern Europe and implication for Land Resource Management (water and soil) along the urban-rural gradient
Historical evolution of flows in Coimbra, Portugal
Flooding not everywhere
Hydrodynamic modelling as a tool to investigate the impact of nature-based solutions on flood protection

Presenter

Luca Salvati

João Pardal

Henrique Damásio

Sandra Mourato

14:30 - 15:45 *Coffe break*

16:00-17:30 *Projects regarding flood hazard mitigation*

Strategy for the requalification of water courses in the hydrographic basins of the Center Region - Vouga, Mondego and Lis rivers

Nuno Bravo

Implementation of natural engineer solutions in river systems: projects in central Portugal and main challenges

Pedro Teiga

Future “Smart and healthy” urban water management, highlighting sustainability under climate change, managed aquifer recharge and European technological water innovations

João Lobo-Ferreira

Thursday, 31 January (FIELD TRIP)

9:00-13:00 Structural network for water retention and flood protection in Mondego river

*Carlos Batista and
António Russo*

13:00-14:30 *Lunch (Arco-Íris restaurant)*

14:30-17:30 Travel and visit sites with nature based solution projects in Central Portugal

Pedro Teiga

20:00

*Social dinner: Solar do Bacalhau restaurant, Rua da Sota, 12, 3000 Coimbra
(<http://www.solardobacalhau.pt/contactos.html>)*

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Friday, 1 February

9:00-10:30 *Potentialities of nature based solutions to mitigate flood hazard*

Water infiltration in urban areas: relevance of nature based solutions for flood hazard mitigation
Pilot Project for Natural Water Retention Scheme (NWRS) in Burmarrad Catchment Basin, Malta
Flood retention in intermittent and ephemeral streams in the Maltese Islands
Nature-based solutions in a semi-arid zone: The Sorek Stream basin in Israel

*Carla Ferreira
Andrew Vella
Alexander Galea
Eran Ettinger*

14:30 - 15:45 *Coffe break*

10:45-12:30 *Public policity, spatial planning and stakeholders engagement: how to include and compensate flood retention services on private land?*

Nature-based solutions in a semi-arid zone: Land-policy challenges
Feasibility of Nature based solutions in the Italian urban context: the role of regional regulations
Perception of stakeholders on the implementation of nature-based solutions for flood protection in Serbia, Bosnia, Slovenia and Iceland
Flood Risk Management and Stakeholder Involvement: Strimonas river case study
Validating natural water retention measures in Portugal and Serbia in participative decision-making environment with hesitant analystic hierarchy process

*Rachelle Alterman
Giovanna Grossi
Aleksa Lipovac
Panagiotis
Anastasiadis
Bojan Srdjevic*

13:00 - 14:00 *Lunch (O Telheiro restaurant)*