



# NATURE-BASED SOLUTIONS FOR WILDFIRE PREVENTION AND REHABILITATION OF BURNED SOILS

9:30 h - Welcome session

9:45 h - The voice of soil in fire-affected ecosystems

Prof. Jorge Mataix Solera (Universidad Miguel Hernández, Spain)

10:45 h - Harnessing the allelopathic features of eucalyptus to develop a new biocide - potentialities vs environmental risks

Mafalda Pinto (GreenUPorto/FCUP, Portugal)

11:05 h - Coffee break

11:25 h - Nature-based solutions to wildfires in abandoned mountain landscapes: insights from the FirESmart project

Dr. Adrián Regos (Forest Science and Technology Centre of Catalonia, Spain)

11:55 h - Microbial communities of agricultural soils are affected by an eucalyptus-based herbicide

Prof. Teresa Lino-Neto (CBMA/University of Minho, Portugal)

12:15 h - Lunch break



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14:30 h - Cyanobacterisation, a sustainable biotechnology based on the exploitation of EPS-producing cyanobacteria for the rehabilitation of degraded soils

Prof. Roberto De Philippis (University of Florence, Italy)

15:30 h - Assessing the potential of soil cyanobacteria and microalgae as biostimulants for plant growth

João Pissarra (i3S/FCUP/ICBAS, Portugal)

15:50 h - Nature-based solutions for mitigating post-fire soil degradation by erosion

Dr. Jan Jacob Keizer (University of Aveiro, Portugal)

16:20 h - From the field to the lab, and then back to the field: native soil microalgae and cyanobacteria for the immediate protection of burnt soils

Prof. Ruth Pereira (GreenUPorto/FCUP, Portugal)

16:40 h - Coffee break

17:00 h - Roundtable

State-of-the-art and future directions

18:00 h - Closing session



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