

Innovative bioremediation solutions for a clean environment and zero pollution in Europe



greener

CE-BIOTEC-04-2018:
InteGRated systems for Effective
ENvironmEntal Remediation

GREENER
CONFERENCE

28 June
2023

FHNW Campus
Muttenz,
Switzerland

(the workshop will be held both
physically and online)



EU bioremediation projects
Cluster Workshop



Official side-event to BioRemid 2023 of
the EU bioremediation project cluster

AGENDA

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FHNW Campus Muttenz, Switzerland, 28 June 2023

Bioremediation helps to create healthier soils, clean up groundwater and improve air quality. Unlike conventional remediation technologies, bioremediation offers an environmentally friendly approach to remove contaminants from the environment. It draws on natural processes and uses microorganisms (e.g. bacteria, fungi, algae) to remediate the environment without damaging delicate ecosystems. As a clean, cost-efficient, and green strategy, bioremediation plays a key role in meeting Europe's zero pollution ambitions.

In this first workshop of the EU bioremediation project cluster, Horizon Europe and Horizon 2020 bioremediation projects come together to present their innovative bioremediation solutions to clean up Europe's environment.

By relying on a broad range of cutting-edge, cross-cutting biotechnologies, they seek to address the highly complex and varied pollutant mixtures present in the soil and (ground)water of contaminated sites.

The workshop will kick-off with short presentations of the projects by the coordinators. The recently started Horizon Europe projects will give an outline on their planned bioremediation innovations, while the Horizon 2020 projects will share key outcomes of their projects. This will be followed by a technical discussion on the role of bioremediation in restoring Europe's environment and helping it to meet its zero-pollution ambitions.

The final conference of the Horizon 2020 GREENER project will be held prior to the workshop.

Registration: Upon invitation only.








MORE DETAILS

Disclaimer:



Funded by
the European Union





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12:00	Opening remarks from European Commission Dr. Anna Santoro, Policy Officer European Health and Digital Executive Agency (HaDEA)	
12:10	General overview of GREENER project – main results and highlights Dr. Rocío Barros, GREENER coordinator University of Burgos	
12:20	Integration of several approaches: Bio-electrochemical hybrid systems - Soil microbial fuel cells, bioaugmentation and biostimulation Prof. Mirella di Lorenzo University of Bath - Bio-electrochemical systems and phytoremediation Dr. Eduard Borrás LEITAT	
12:45	Long-term ecopiles: Collaboration EU-China Dr. Kieran Germaine SETU	
13:00	Selection of GREENER soil and water technologies for scaling-up Dr. Alfredo Perez de Mora TAUW	
13:15	Main outputs related with dissemination and outreach Dr. Ioanna Katsavou EXELISIS	
13:25	Conclusions and future perspectives Dr. Anna Santoro, Policy Officer European Health and Digital Executive Agency (HaDEA)	

OPENING AND WELCOME TO THE EU BIOREMEDIATION PROJECT CLUSTER WORKSHOP

14:00	Welcome by the chair Dr. Thomas Reichenauer, MIBIREM Scientific Coordinator AIT Austrian Institute of Technology, Austria	
14:05	Setting the scene by the BioRemid 2023 organiser Prof. Philippe Corvini FHNW, Switzerland	
14:15	Bioremediation policy context by the EU Commission Dr. Silvia Maltagliati, Policy Officer Circular Economy and Bio-Based Systems, DG RTD	

PITCHES OF CURRENT HORIZON EUROPE AND HORIZON 2020 PROJECTS ON INNOVATIVE BIOREMEDIATION SOLUTIONS FOR A CLEAN ENVIRONMENT AND ZERO POLLUTION IN EUROPE

14:30	Introducing the BIOSYSMO project Dr. Lila Otero-Gonzalez, BIOSYSMO coordinator IDENER, Spain	
14:40	Introducing the SYMBIOREM project Dr. Leire Ruiz Rubio, SYMBIOREM coordinator University of the Basque Country, Spain	
14:50	Introducing the MIBIREM project Dr. Thomas Reichenauer, MIBIREM Scientific coordinator AIT Austrian Institute of Technology, Austria	
15:00	Introducing the NYMPHE project Prof. Giulio Zanaroli, NYMPHE coordinator University of Bologna, Italy	

15:10	Key outcomes of the ELECTRA project Prof. Philippe Corvini, ELECTRA coordinator FHNW, Switzerland	
15:20	Key outcomes of the EiCLaR project Dr. Maria Tovilla Coutino, PhD, EiCLaR project manager Ecole Centrale de Lyon, Université Claude Bernard Lyon 1, France	
15:30	Key outcomes of the GREENER project Dr. Rocío Barros, GREENER coordinator University of Burgos	
15:40	Networking coffee break	
16:10	Technical roundtable discussion with coordinators of the Horizon Europe & Horizon 2020 projects Moderated by Prof. Philippe Corvini, FHNW Topics covered: - Strategies to remediate sites polluted with emerging (plastic-based materials, pharmaceutical active compounds) and priority pollutants (heavy metals and organic micropollutants) - Potentials and limitations of use of different types of bioremediation (e.g. bacterial remediation, mycoremediation, phytoremediation, electro-bioremediation) - How to move towards zero pollution in Europe with bioremediation Including Q&A with audience	
17:15	Closing remarks – Opportunities to scale up and exploit bioremediation technologies Dr. Francesco Matteucci European Innovation Council	
17:30	END of workshop	

GREENER PROJECT PARTNERS



EU BIOREMEDIATION PROJECT CLUSTER

