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)

symbiorem NYMPHE MIBIREM ELECTRA 生物电 BIOSYSMO greener EiCLaR

EU bioremediation projects Cluster Workshop

BioRemid2023 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:

MIBIREM, BIOSYSMO, SYMBIOREM and NYMPHE projects are funded by the European Union under the Horizon Europe funding programme.
The ELECTRA, EiCLaR and GREENER projects are funded by the European Union Horizon 2020 research and innovation programme.

Funded by the European Union

Horizon 2020 GREENER Project Final Conference

ALL SESSIONS WILL BE HELD AT **ROOM 02.O.18**

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 Dr. Mirella di Lorenzo University of Bath - Bio-electrochemical systems and phytoremediation Dr. Eduard Borras LEITAT
12:45	Long-term ecopiles: Collaboration EU-China Dr. Kieran Germaine SETU Prof. Wang SDAS
13:00	Scaling-up methodology and sustainability aspects for the implementation of bioremediation technologies Dr. Alfredo Perez de Mora TAUW
13:15	Main outputs related with dissemination and exploitation Dr. Ioanna Katsavou, EXELISIS Mr. Camilo Borgogno, Sustainable Innovations
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

Horizon 2020
GREENER Project Final Conference

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