

Innovative Microbial Solutions for Environmental Remediation

Technologies and Strategies from the NYMPHE Project

September 18th, 2025
09:00 – 13:00
Pavillion 5/6 (yellow room)



AGENDA:

9:00 – 9:10	Welcome to participants and presentation of the event (G. Zanaroli, Nymphe Coordinator; M.Barompriori/F. Villani, Eni Rewind)
9:10 – 9:30	Introduction to the Nymphe Project (G. Zanaroli)
9:30 – 9:40	Aim of the workshop and role of participants (E, Biagi, UNIBO)
	Session 1 - Nymphe assemblies of biologics and technologies for wastewater treatment
9:40 – 9:55	METLand technology for micropollutants removal from municipal wastewater with electroactive microbial assemblies (A. Esteve Nunez, METFILTER S.L., Spain)
9:55 – 10:10	Microbial assemblies for pharmaceuticals biodegradation in Membrane Biofilm Reactors (P. Corvini, FHNW, Switzerland)
10:10 – 10:25	Q&A, feedback from participants
10:25 – 11:00	Break
	Session 2 - Nymphe assemblies of biologics and technologies for soil bioremediation
11:00 – 11:15	Plant-microbe associations for the phyto-rhizoremediation of PHC-contaminated surface soils (S. Borin, UMIL, Italy)
11:15 – 11:30	Microbial assemblies for the in situ bioremediation of subsurface soils and groundwater contaminated by mixed pollutants (G. Zanaroli, UNIBO & M. Barompriori, Eni Rewind, Italy)
11:30 – 11:45	Q&A, feedback from participants
	Session 3 – Innovative approaches for the performance improvement of microbes and microbiomes in bioremediation
11:45 – 12:00	Genetic toolbox for the improvement of microbial strains and communities (T. Aparicio, CSIC, Spain)
12:00 – 12:10	Microbiome modelling and management to improve bioremediation performances (S. Cretoiu, Blomitec, The Netherlands)
12:15 – 12:30	Q&A, feedback from participants
12:30 – 13:00	Session 4 – Open discussion
	Round table with invited SH and speakers. Discussion of feedbacks from participants.