

## *Welcome to the NYMPHE World!*

### NEWS FROM BIOREMEDIATION WORLD

#### **WELCOME WORDS BY THE COORDINATOR AND THE NYMPHE TEAM**

*Welcome to the first newsletter of the project NYMPHE. Over the next 4 years, the NYMPHE consortium, composed of 9 Universities, 7 companies and 2 NGO, will develop innovative bioremediation and environmental revitalization approaches using real contaminated sites as model for innovation.*

*We will be sharing our progress regularly through this newsletter, as well as through our social networks accounts and our website. This is also an invitation to follow and support us over the course of the project, as well as knowing everyday more about challenges and potential of bioremediation science.*

*We are looking forward to sharing our advancements with you!*



## Read more about:

### 1. NYMPHE project

### 2. Past events:

- BioRemid 2023,
- Circular Talks,
- Projects workshops.

### 3. Upcoming events:

- ECOMONDO 2023 fair,
- BioBio 2024 – 7th International Symposium on Biosorption and Biodegradation/Bioremediation,
- Stakeholder Workshop,
- Projects workshops (next one will be held in Prague).

## 1. NYMPHE project

### About Nymphe project

Nymphe is a four years European project dedicated to tackling environmental pollution by developing innovative bioremediation solutions funded by Horizon Europe Program for 2021-2027.

The ambition is to remove multiple pollutants (such as microplastics and pesticides in the agricultural soil, and chlorinated solvents and petroleum hydrocarbon in groundwater and sediments in the industrial area) from different contaminated sites in Europe. Nymphe's actions will improve the ecological quality and health of soils and waters. Our nature-based, low-energy and low-chemical solutions to eliminate pollutants will contribute to the expected outcomes of the EU Zero Pollution Action Plan.

NYMPHE, in collaboration with six other EU projects dedicated to bioremediation (ELECTRA, EiCLaR, BIOSYSMO, SYMBIOREM, GREENER, MIBIREM), forms a dynamic Bioremediation Cluster with the primary goal of facilitating the exchange of experiences and actively sharing knowledge about cutting-edge bioremediation techniques among experts.

**More information about project:** <https://www.nympheproject.eu/>



## Who makes NYMPHE

The project counts on the collaboration of 17 partners from 11 European countries.

The high scientific level is guaranteed by the presence among the partners of nine research institutes and universities, together with two non-governmental organizations, six small-medium enterprises and a large Italian company, Eni Rewind, coordinated by the University of Bologna.



Funded by  
the European Union

## 2. Past events:

### 2.1. BioRemid 2023

3rd International Meeting on New Strategies in Bioremediation / Restoration Processes. The event took place on the 29th and 30th of June 2023 at FHNW Campus Muttenz, Switzerland.

BioRemid 2023 was four intensive days full of discussions and lectures on bioremediation and zero pollution. The objective of this meeting was clear - to bring together scientists and industry professionals to share the latest developments and innovations to face environmental problems and challenges.

The objective of this meeting was to bring together scientists and industry professionals in a friendly environment, to share the latest developments and innovations to face environmental problems.

**Read more:** [#BioRemid2023 conference concluded!](#)

### 2.2. BioRemid 2023 – projects workshop

#### The Clustering Workshop during BioRemid 2023

The workshop was attended by members of the Bioremediation Cluster consisting of ELECTRA, EiCLaR, BIOSYSMO, SYMBIOREM, GREENER, and MIBIREM projects.

The workshop was concentrated on concise presentations by the project coordinators, emphasizing the key aspects of each project. Following that, the recently launched Horizon Europe projects outlined their planned bioremediation innovations, while the Horizon 2020 projects shared the significant outcomes achieved through their respective initiatives.

Following all the presentations, discussions among experts ensued regarding the crucial role of bioremediation in creating healthier soils, cleaning up groundwater, and improving air quality. They also shared their knowledge and experiences in the direction of achieving zero-pollution.



### 2.3. Circular Talks

Topic: "Bioremediation as an effective tool for a clean environment".

On September 12th, the ECESP Leadership Group on Bioeconomy brought together an expert panel to discuss ways to clean up the environment using this nature-based solution and achieve zero-pollution. Participants learned how to reduce microplastics and pharmaceutical contamination in the soils and water. The experts presented innovative bioremediation solutions and how to implement them sustainably.

The webinar was organized by: European Circular Economy Stakeholder Platform, INNOWO, Biosysmo, Symbiorem, EiCLAR, Electra, Mibirem, Nyphe, Greener.

Recording of the Circular Talks is available here:

<https://circulareconomy.europa.eu/platform/en/news-and-events/all-events/bioremediation-effective-tool-clean-environment>



### 3. Upcoming events:

#### 3.1. ECOMONDO 2023 fair

The annual trade fair for the green and circular economy took place in Rimini, Italy, from 7 to 10 November 2023. It brought together all sectors of the circular economy, from material and energy recovery to sustainable development.

NYMPHE was represented by its coordinator, Prof. Giulio Zanaroli, at the European Commission stand (“Funding Circular Economy Innovation in Europe”, EU Stand, Hall South, 9 November).

#### 3.2. BioBio 2024 – 7th International Symposium on Biosorption and Biodegradation/Bioremediation

The 7th International Symposium on Biosorption and Biodegradation/Bioremediation – BioBio2024 – is scheduled to be held in Prague from June 16th to 20th, 2024.

##### Main topics:

- Environmental pollution (soil, sediment, air pollution, marine pollution)
- Biodegradation and biodeterioration
- Green technologies (bioremediation technologies), microalgae-based biorefineries
- Phytoremediation, Phycoremediation, Mycoremediation and Composting
- Water pollution & wastewater treatment
- Microbial diversity and biodegradation of pollutants
- Plastics & Microplastics: Fragmentation, Monitoring, Biodegradation, Fate, Recycling
- Toxicity & Risk
- Waste management (waste valorization) & circular economy

Alongside the conference, the 4th NYMPHE General Assembly will be held, and a second Clustering Workshop will also take place.

We invite you to register for the: [BioBio 2024 - 7th International Symposium on Biosorption and Biodegradation/Bioremediation](#)

### 3.3. Stakeholder Workshop

Date: 22 – 26 of January 2024

Venue: Madrid

While attending the workshop, we will introduce and explain the latest bioremediation techniques used in the Nyphe project and present project's progress and results. Registration will open shortly.

Please visit Nyphe's website for more information:

<https://www.nypheproject.eu/>

Registration will open shortly!

#### **About Nyphe project**

Nyphe is a four years European project dedicated to tackling environmental pollution by developing innovative bioremediation solutions funded by the **European Union**.

#### **New system-driven bioremediation of polluted habitats and environment**

**Topic:** Environmental services – improved bioremediation and revitalization strategies for soil, sediments and water for a clean environment and zero pollution.

This project is funded by the European Union under the Horizon Europe research and innovation programme, Grant Agreement No. 101060625.

