

## *Welcome to the NYMPHE Newsletter – 2025 in Review Happy New Year 2026!*

*We wish you an inspiring year ahead as we continue working toward a more sustainable and resilient future. As we begin the new year, we invite you to reflect with us on a pivotal period for bioremediation in Europe.*

*In 2025, key policy milestones, growing recognition of environmental biotechnology, and strong collaboration across research, industry and policymaking communities shaped meaningful progress. From the entry into force of Europe's first Soil Monitoring Law and the adoption of the EU Bioeconomy Strategy 2025, to workshops, conferences and joint ALL4BIOREM initiatives, the past year marked a period of real momentum. Below, we highlight the developments and activities.*



## 1. NEWS FROM BIOREMEDIATION WORLD

### 1.1. Europe's First Soil Monitoring Law Entered into Force

2025 saw a historic step for European soils: the EU's first-ever Soil Monitoring Law officially came into force, establishing a common framework to assess and protect soil health across all Member States.

NYMPHE's research on innovative, microbial-based bioremediation solutions is directly aligned with this legislation, helping restore contaminated soils and support resilient ecosystems.

**More information:** [Soil Monitoring Law](#)

### 1.2. EU Bioeconomy Strategy 2025

#### EU Bioeconomy Strategy 2025 – a roadmap for a resilient Europe

In 2025, the European Commission adopted the new **EU Bioeconomy Strategy**, setting out a roadmap for sustainable growth, circular use of biomass, and strengthened EU leadership in bio-based technologies.

The strategy highlights the role of **innovative environmental biotechnology**, like NYMPHE's bioremediation solutions, in restoring ecosystems, protecting soils and water, and turning pollution into opportunity.

**More information:** [Commission presents new Bioeconomy Strategy to drive green growth, competitiveness and resilience across Europe](#)

### 1.3. Aiming for a Zero Pollution Future: Discover Bioremediation with NYMPHE

What if polluted soils and waters could be restored to healthy ecosystems? Our animated video, "Aiming for a Zero Pollution Future: Is Bioremediation a Solution?", explains the environmental challenges addressed by the NYMPHE project and introduces bioremediation as a sustainable, nature-based solution developed within the project.

Why bioremediation? Bioremediation is a more sustainable alternative to standard remediation options like burying polluted soils in landfills or chemical remediation that increases the health risk for workers. Unlike these conventional physicochemical remediation processes, which can be disruptive, bioremediation is less intrusive and can facilitate the remediation of environmental impacts without damaging delicate ecosystems.

Discover the power of microbes in action:

<https://www.youtube.com/watch?v=tijqSVpgmc0&list=PLR38K6wzMsNKqX6DLs-IWccZ1mXTSQG4X&index=13>



#### 1.4. Have your say on bioremediation technologies

Help us shape future solutions by sharing your views on **wastewater**, **soil** and **microbiome modelling** technologies.

Tell us about your expectations, needs, and perceived risks related to different bioremediation pathways.

##### Take the questionnaires:

- [Microbiome Bioremediation Technologies](#)
- [Soil Bioremediation Technologies](#)
- [Wastewater Bioremediation Technology](#)

## 1.5. Policy Workshop on Laboratory-Trained Bacteria

On **3 February 2026**, join policymakers, regulators, researchers, and innovation experts in **Brussels** for a high-level workshop exploring the policy, regulatory, and scientific dimensions of using laboratory-trained bacteria in environmental applications, including bioremediation, with a focus on enabling innovation while ensuring environmental and public safety.

### Details:

3 February 2026

14:00–18:00 CET, Brussels

Learn more and register: [Beyond GMOs - workshop](#)

# NYMPHE WORKSHOP

## BEYOND GMOs

POLICY, REGULATORY AND SCIENTIFIC ASPECTS  
ON THE USE OF LABORATORY-TRAINED BACTERIA  
FOR ENVIRONMENTAL APPLICATIONS



**3 FEBRUARY 2026**

2 PM - 6 PM, CET

CSIC Brussels Office, BELGIUM  
Rue du Trône, 62. Bruxelles 1050

**REGISTER NOW**



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## 2. What happened in 2025?

### 2.1. Is Europe Ready to Harness the Power of Bioremediation? – NYMPHE Societal Assessment Webinar

NYMPHE hosted a webinar exploring Europe's readiness to deploy bioremediation at scale. Experts and stakeholders discussed technological potential, health and environmental risks, regulatory challenges and public trust.

**Read more:** [NYMPHE Societal Assessment Webinar - key insights on the future of bioremediation in Europe](#)



**Societal Assessment Webinar**

**Exploring Stakeholders Perspectives on Bioremediation**

**Join us** to explore the following key themes:

1. Effectiveness, Timeframe, and Scalability
2. Health and Safety Risks
3. Genetic Resources, GMOs, and Biodiversity Risks
4. Ethical, Regulatory, and Public Trust Issues

**NYMPHE** 

November 10<sup>th</sup>, 2025 

10:00 - 12:30 (CET) 

Online 

 **REGISTER NOW**



We invite stakeholders from policy, regulation, industry, academia and NGOs to participate

## 2.2. Innovative Microbial Solutions for Environmental Remediation – Nymphe workshop

The inaugural workshop explored NYMPHE's bioremediation concepts, ambitions, and strategies, with partners sharing insights and evaluating solutions.

The second stakeholder workshop took place on 18 September 2025 in a hybrid format at RemTech Expo (Ferrara) and online. The event was designed as a two-way co-creation activity, combining the presentation of NYMPHE bioremediation solutions with structured stakeholder input to support further technical development and exploitation planning.

Discussions focused on barriers to uptake, including technological acceptance, societal perceptions of genomically edited biologics, and regulatory, financial, and operational constraints.

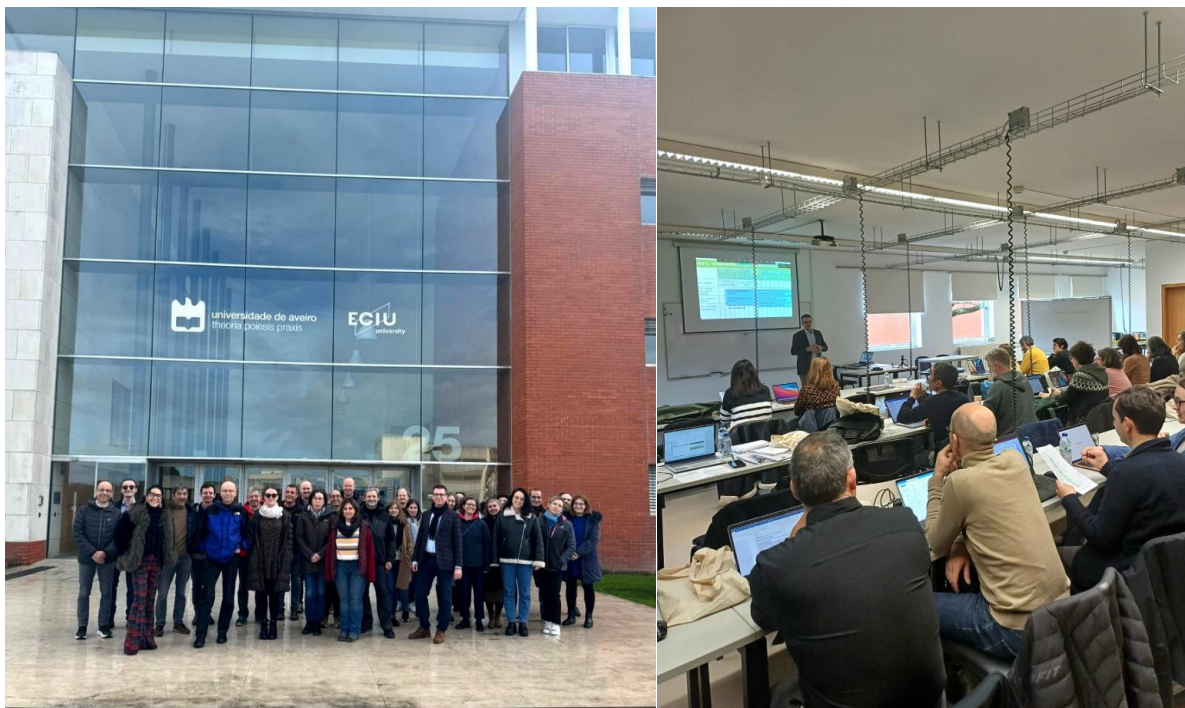
Watch the recording: [Nymphe workshop at the Remtech 2025](#)



## 2.3. 5th Nyphe Stakeholder General Assembly

In January, the NYPHE Consortium met in Aveiro, Portugal, for its 5th General Assembly, bringing partners together to review project progress and plan next steps. The meeting also featured a dedicated NYPHE workshop, supporting cross-team dialogue and coordination of upcoming dissemination and outreach activities.

Read the full summary: [NYPHE 5th General Assembly – summary of the consortium meeting](#)



## 2.4. 6th Nymphe Stakeholder General Assembly

In June, NYMPHE partners met in Chania, Crete, during EBC-IX – the **9th European Bioremediation Conference**, for the project’s 6th General Assembly. The meeting focused on reviewing recent achievements, sharing updates from research and pilot sites, and aligning priorities for the next phase of the project.

During the two-day General Assembly, we:

- Reviewed deliverables, milestones, and administrative issues
- Discussed lab-scale and pilot-scale testing of biological assemblies
- Evaluated bioremediation strategies through a holistic lens
- Talked about tools to enhance and validate improved biologics
- Planned next steps in communication, dissemination & exploitation
- Set the direction for the coming months

Read the summary:

<https://www.linkedin.com/feed/update/urn:li:activity:7341804716537831424>





### 3. ALL4BIOREM – Alliance for Environmental Bioremediation

The NYPHE project is part of ALL4BIOREM – Alliance for Environmental Bioremediation, a Europe-wide initiative bringing together ten EU-funded projects: NYPHE, MIBIREM, SYMBIOREM, EDAPHOS, ISLANDR, BIOSYSMO, pHYBi, IASIS, LIFE MySOIL, and BIOREM.



**Since its launch, ALL4BIOREM has become a central platform for European bioremediation, organising five public events that engaged over 500 stakeholders, policymakers, and industry representatives. The cluster also produces position papers highlighting the role of bioremediation in Europe’s green and circular transition.**

#### 3.1. ALL4BIOREM Position Paper

ALL4BIOREM jointly prepared a Position Paper in response to the European Commission’s Bioeconomy Strategy Consultation. Entitled “*Harnessing Environmental Biotechnology for a Resilient and Sustainable Bioeconomy*”, the paper called for integrating environmental biotechnology as a core pillar of the EU Bioeconomy Strategy, alongside biomanufacturing and agri-bio sectors. It highlighted the importance of innovative solutions – such as NYPHE’s microbial bioremediation technologies – in supporting circular, sustainable, and resilient bio-based systems.

 Read more: [Environmental Biotechnology & EU Bioeconomy Strategy Position Paper](#)



### 3.2. Ecomondo 2025

At this leading green technology fair, NYPHE and other ALL4BIOREM projects presented their work at a shared exhibition booth and participated in the expert session “Sustainable strategies for the remediation of polluted sites: developments in national and international applied research.”

Visitors had the opportunity to explore NYPHE’s innovations in sustainable soil management, circular solutions, and environmental restoration. Together, ALL4BIOREM projects showcased how European collaboration drives bioremediation research forward, contributing to a greener, more resilient Europe.

 Read more: [ALL4BIOREM at Ecomondo 2025](#)



### 3.3. EBC-IX: 9th European Bioremediation Conference – ALL4BIOREM Workshop

ALL4BIOREM hosted a dedicated cluster session titled “*The Contribution of Environmental Bioremediation to the Clean Industrial Deal in Europe*”. The session brought together nine EU-funded projects – EDAPHOS, IASIS, NYPHE, BIOSYSMO, MIBIREM, PHYBi, LIFE MySOIL, SYMBIOREM, and BIOREM – fostering dialogue with researchers, policymakers, and industry representatives on the role of bioremediation in Europe’s sustainable transition.

 Read more: [Insights from the ALL4BIOREM Cluster Workshop at EBC-IX](#)





Watch the recording: [ALL4BIOREM Workshop EBC-IX](#)



## 4. What Next in 2026?

### 4.1. Beyond GMOs Workshop

**Workshop: Beyond genetically modified microorganisms: policy, regulatory and scientific aspects on the use of laboratory-trained bacteria for environmental applications**

Date and time: **3 February 2026**, 2 pm – 6 pm CET

Venue: CSIC Brussels Office, Rue du Trône, 62. Bruxelles 1050

Participation available exclusively on-site in Brussels, Belgium.

Next-generation environmental biotechnology holds great potential to tackle soil and water pollution, strengthen climate resilience, and support ecosystem restoration. At the same time, it raises important policy, regulatory and governance questions, as current frameworks were designed for earlier generations of biotechnology.

This workshop will provide a neutral, evidence-based forum for policymakers, regulators, scientists and innovation experts to discuss how regulations can evolve to responsibly support innovation while protecting the environment and public health.

Your insights matter! Join the workshop to contribute to shaping future-proof policies for a sustainable and circular Europe.

More information: [Beyond GMOs - workshop](#)

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## 4.2. Bioremid 2026

From June 23–26, 2026, Florence will host BIOREMID 2026 – the 4th International Meeting on New Strategies in Bioremediation and Restoration Processes. This landmark event brings together science and strategy, where innovation translates into concrete solutions for cleaner soils and waters.

The event will feature a two-track program, with one track dedicated to the ALL4BIOREM workshop. This session will spotlight the latest scientific results and practical implementation of bioremediation technologies, present project deliverables, and encourage collaboration and knowledge exchange between research teams and stakeholders across European initiatives.

### 23–26 June 2026 | Florence, Italy

Join us in shaping the future of environmental research:

<https://www.bioremid2026.com/>





### 4.3. Circular Week 2026

26–30 October 2026 | Warsaw/online

An international series of events and initiatives dedicated to the circular economy and sustainable development, taking place across Europe. The aim of Circular Week is to promote the concept of a closed-loop economy, support sustainable business models, and foster collaboration among stakeholders.

More information: [Circular Week 2026](#)

#### 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.