

NUOVI ORIZZONTI PER IL RECUPERO SOSTENIBILE DEI FANGHI BIOLOGICI IN AGRICOLTURA
9 MAGGIO 2025 Palazzo Lombardia, Sala Belvedere «Silvio Berlusconi», Piazza Città di Lombardia, Milano

THE BIOSOLIDS OBSERVATORY PROJECT



Evento connesso al 6° Forum Regionale
per lo Sviluppo Sostenibile
Transizione Climatica: la nuova strada della Lombardia



Sostenibilità
in Lombardia



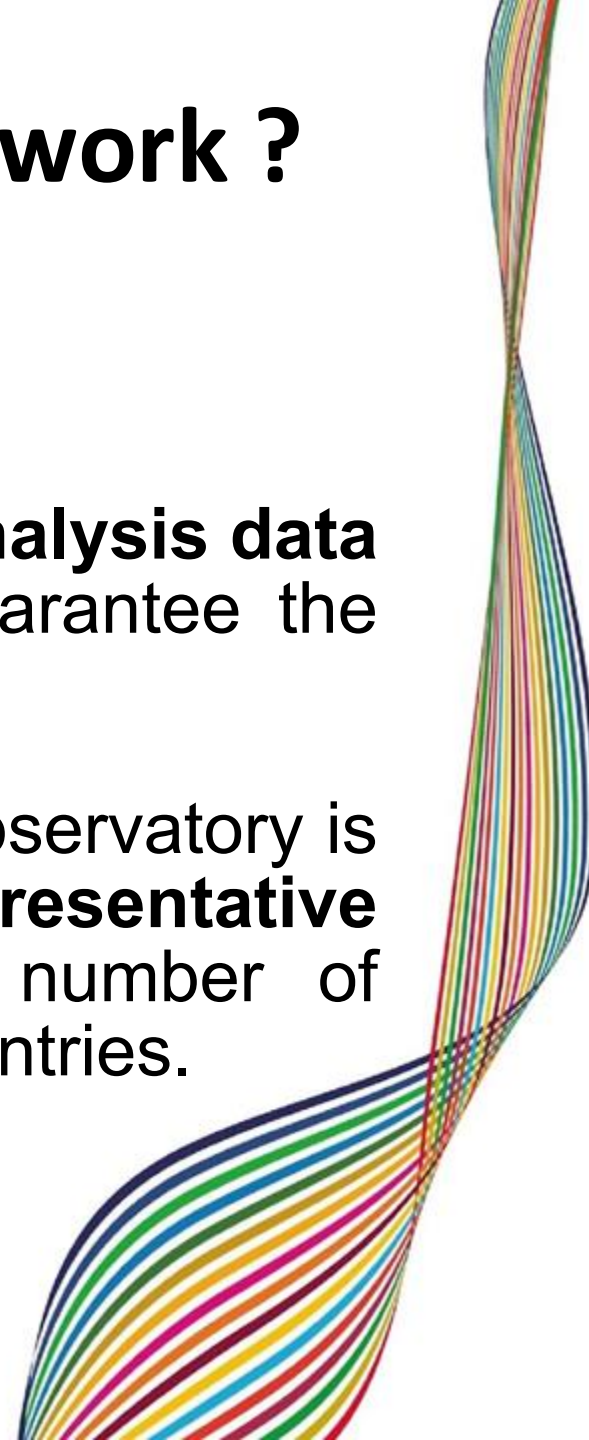
Regione
Lombardia

Biosolids Observatory : how does it work ?

- **Context**

There is a need for recent and **robust Biosolids analysis data set** to feed **risk assessment studies** and to guarantee the safety of Biosolids land application.

Purpose of setting up a Pan European Biosolids Observatory is to **collect, package, transport and analyse representative Biosolids samples** coming from a significant number of sewage treatment plants located in different EU countries.



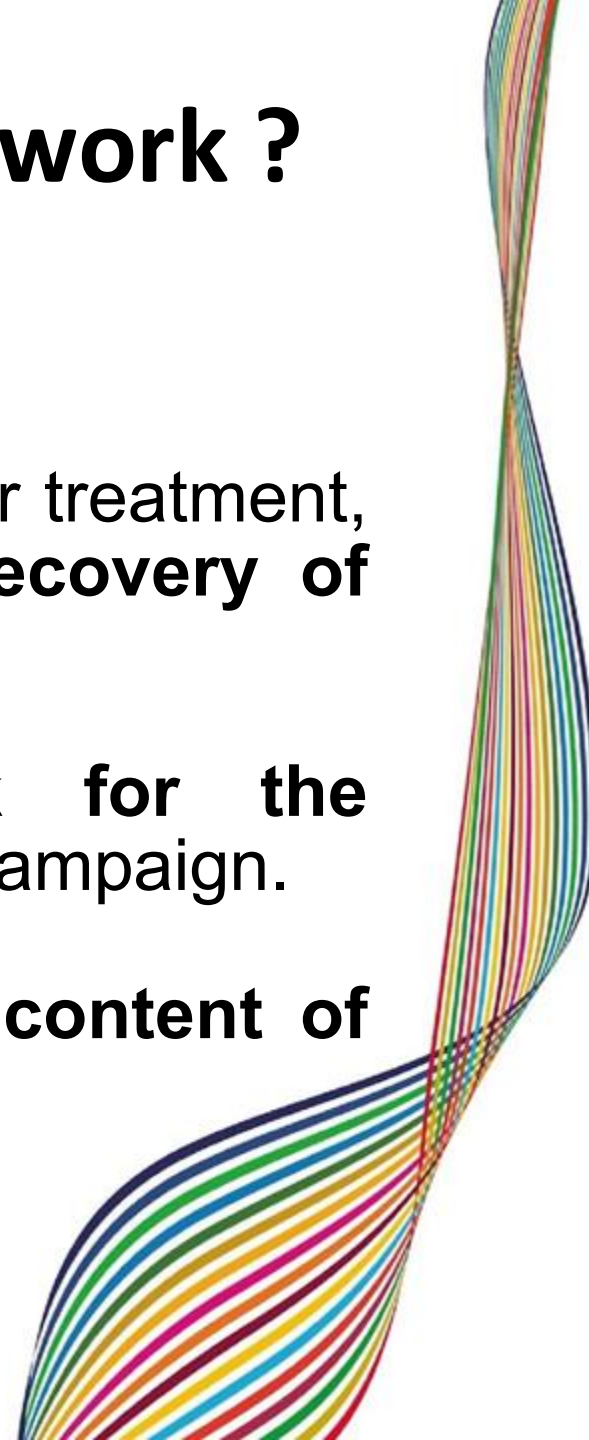
Biosolids Observatory : how does it work ?

- **Participants**

Public or private operators in charge of wastewater treatment, **companies specialising in the treatment and recovery of Biosolids.**

Participants will have the possibility to **ask for the confidentiality** of their participation in the sampling campaign.

NB: Biosolids must have a **minimum dry matter content of 15%.**



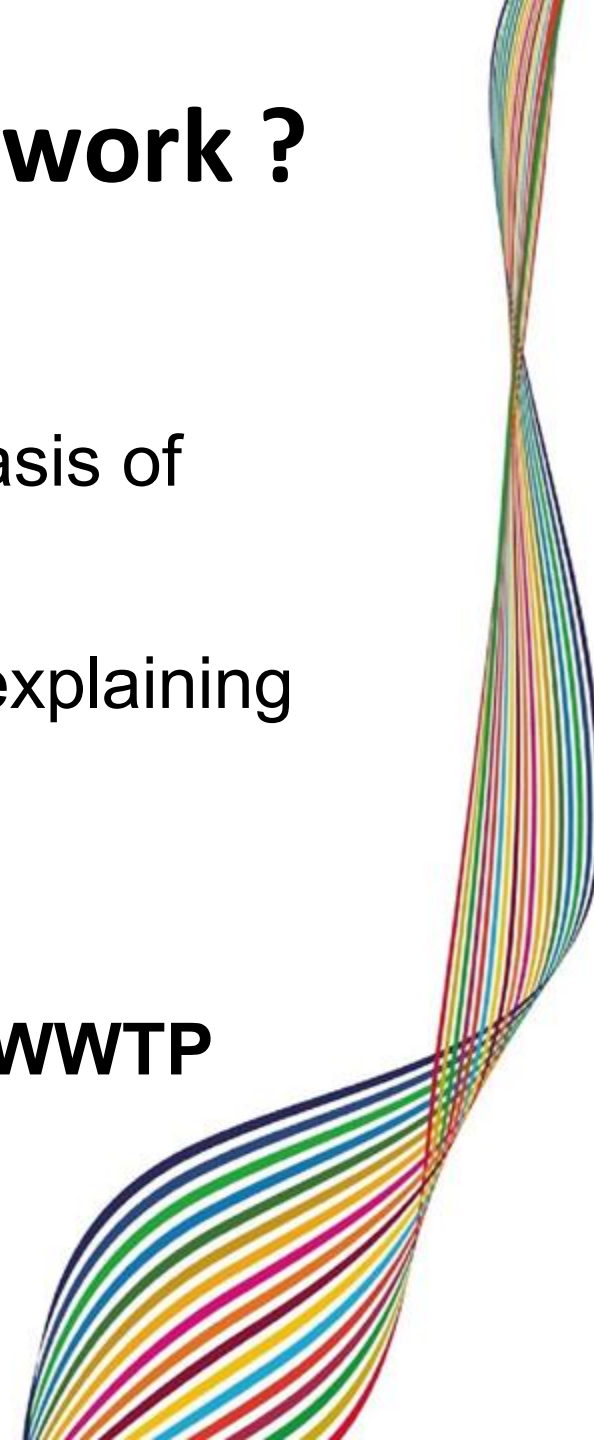
Biosolids Observatory : how does it work ?

- **Steering committee**



Biosolids Observatory : how does it work ?

- **Role of the steering committee**
 - Selection of **contaminants to be tested** on the basis of scientific publication review.
 - **Approval of the information brochure** which is explaining the purpose and functioning of the Observatory.
 - Choice of the **partnering laboratories**.
 - Validation of the **sampling procedure and of the WWTP questionnaire**.
 - Approval of the **results presentation report**.



Biosolids Observatory : how does it work ?

- **Parameters to be tested**

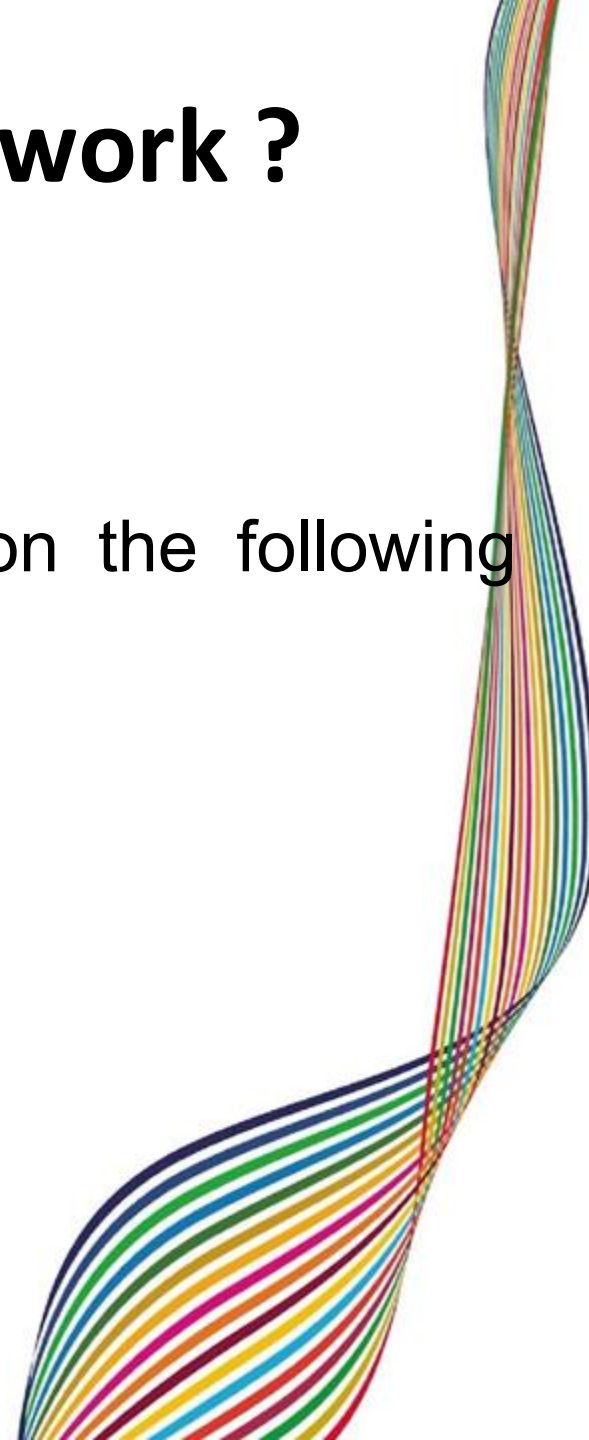
- **Basic package** : Nutrients, Inorganic contaminants, PAH, PFAS, PBDE, NP and NPE, Organotins, Chlorobenzenes, Chlorophenols, Pharmaceuticals, microplastics.
- **Additional package 1**: Bisphenols, PCB, Organo Halogenated compounds, Halogenated and Aromatic hydrocarbons.
- **Additional package 2**: Phthalates, Dioxins and Furans, Polychlorinated Naphtalens, Siloxanes, Chloroalkanes.

Biosolids Observatory : how does it work ?

- **Budget**

Participants will be asked to pay directly the lab on the following basis:

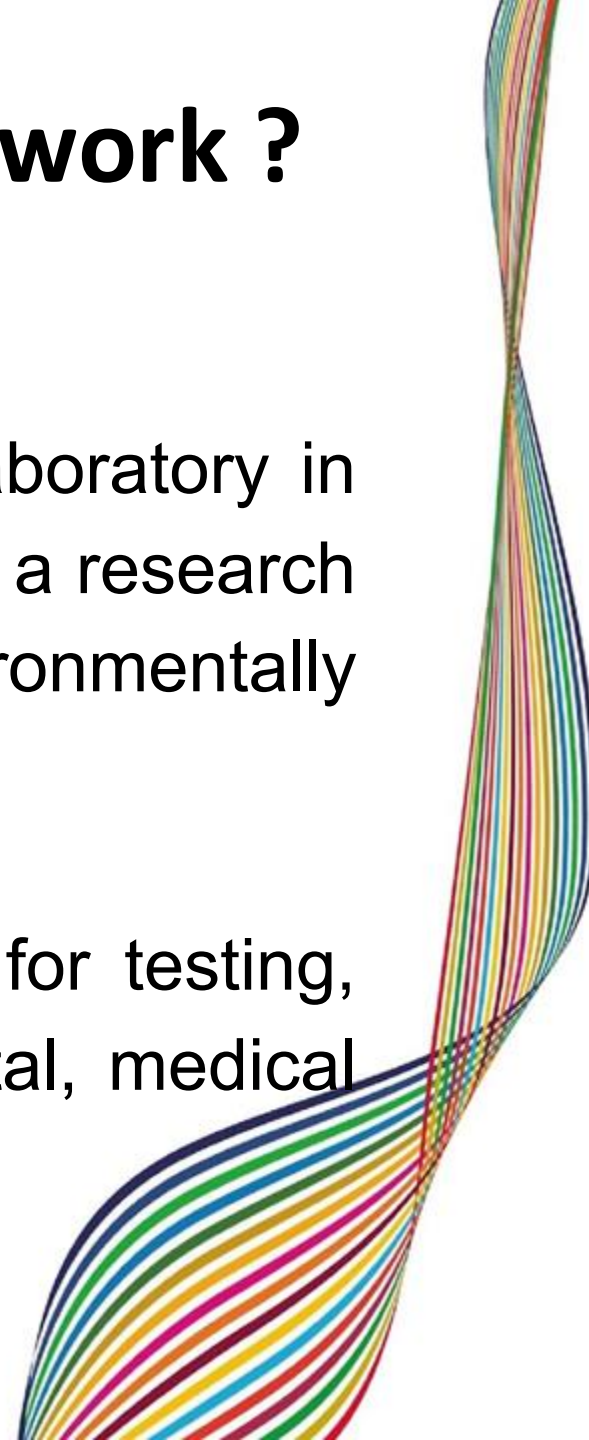
- **Basic package** : 1250 €.
- **Additional package 1**: 225 €
- **Additional package 2**: 645 €
- **Shipment costs**: 135 €



Biosolids Observatory : how does it work ?

- **Partnering Laboratories**

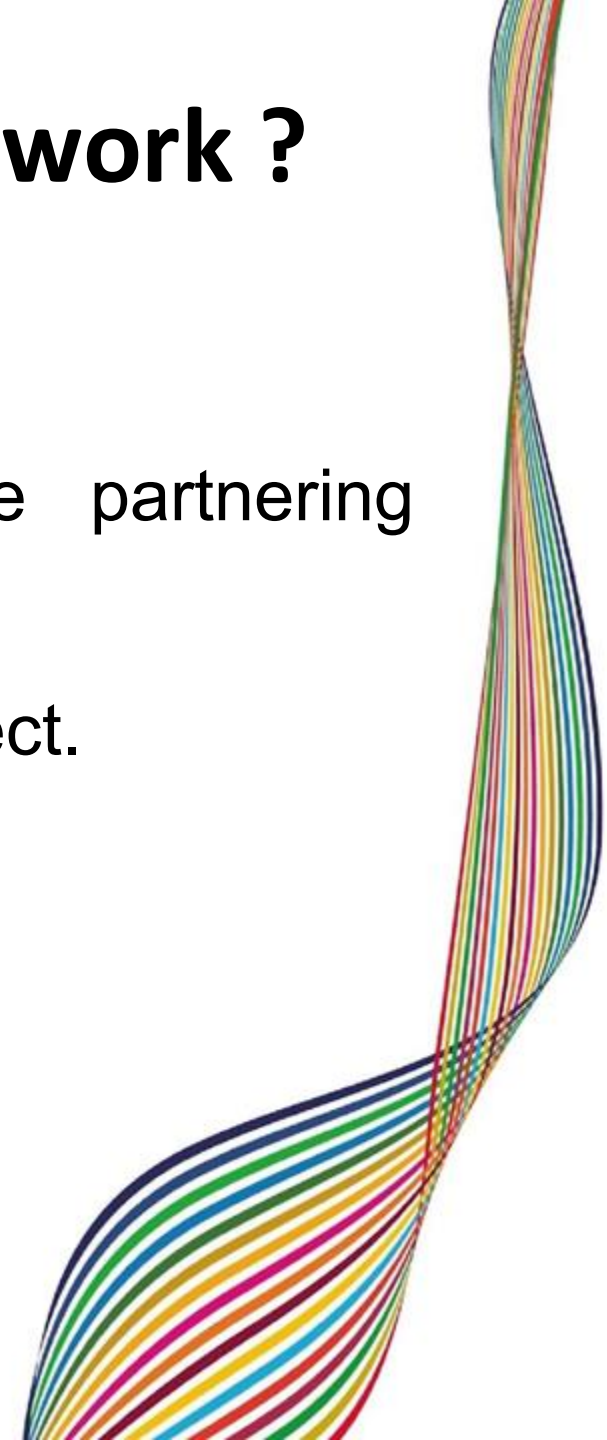
- **Aur  a**: the leading agro-environmental analysis laboratory in France, **COFRAC** accredited, subsidiary of **Arvalis** a research and development body promoting efficient and environmentally friendly agriculture.
- **White Lab - Eurolab**: the leading group in Italy for testing, research and consultancy services in environmental, medical devices and consumer products.



Biosolids Observatory : how does it work ?

- **Time frame**

- **01/2025:** Finalization of an agreement with the partnering laboratories.
- **01/2025:** Launching of the Biosolids observatory project.
- **02 to 07/2025:** Sampling campaign.
- **04 to 09/2025:** Production of analysis results.
- **12/2025:** Release of the final report.



Biosolids Observatory : how does it work ?

- Operating conditions

Interested participant sends an email to biosolidsobservatory@gmail.com

Participant receives: WWTP questionnaire, sampling procedure.

Participant buys sampling tools (stainless steel [bucket](#) and [trowel](#)) and send an official order by email to AUREA.

Biosolids Observatory : how does it work ?

- **Operating conditions**

- AUREA sends to the participant the sample shipment kit (cooler + ice packs + 6*1 litre glass jars).

- On participant request, AUREA organises the sample collection with FEDEX and sends a shipping voucher to the participant.

- FEDEX collects the cooler and ship it to AUREA's laboratory.

Biosolids Observatory : how does it work ?

- **Operating conditions**

- AUREA acknowledge reception and after lyophilisation sends a sub-sample to EUROLAB.

- Participant has access to partial results through AUREA and EUROLAB extranet and receives final results by email under pdf format.

- Global invoice is sent to the participant by AUREA.

Biosolids Observatory Project

- Interested to stay informed or to participate in the project ?

Drop an email with your contact details to:

biosolidsobservatory@gmail.com

THANKS FOR YOUR ATTENTION



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