Vitalise Europe's Urban Bioeconomy

The HOOP virtual network of cities and regions

Serena Lisai – Project Officer, *Associations of Cities and Regions for sustainable Resource management (ACR+)*

sli@acrplus.org

1

Cities and regions exchanging knowledge and mutual learning: the HOOP network

The HOOP network can:

- Facilitate the connection among cities and regions facing the same urban challenges in terms of biowaste and wastewater;

- Inspire innovative solutions to make bio-based products.

Who can join the HOOP Network

Organisations that:

Plan **Organise** **Operate**

municipal waste management or wastewater treatment at local and regional level.

3

Who can join the HOOP Network

Municipality	Regional authority
Waste management company	**Wastewater treatment company**

Willing to **improve** the local bioeconomy strategy and able to potentially **replicate** the project's findings.

4

Why should you join the HOOP network?

The services for the HOOP cities and regions

The Urban Circular Bioeconomy Hub (UCBH)

an online platform to foster the mutual exchange and replication

Project activities

Invitation – and covering of travel expenses – to take part to conferences, workshops, capacity buildings events, and study visits.

Circularity label

a circular ranking system to understand the current position in regard to the implementation of circular measures.

Virtual Academy

a section of the UCBH to provide access to resources and interactive services related to Urban Bioeconomy.

Learning from 8 lighthouse cities

Albano Laziale (Italy)

How to increase the **quality level of the organic waste** produced by domestic users.

Bergen (Norway)

Exploring the processing of food resources from **commercial market** to generate feed for salmon.

Almere (The Netherlands)

Learn about innovative technologies to improve the processing of **aquatic plants**.

Greater Porto (Portugal)

Develop bio-based products from both **the refuse produced in the composting** plant and the digestate that will be produced in the future **anaerobic digestion plant**.

Learning from 8 lighthouse cities

Kuopio (Finland)

Improve **efficiency** of separate collection of Organic Fraction of Municipal Solid Waste, while boosting the **citizen engagement**.

Münster (Germany)

Expand the **biogas production** and improve the quality of the collected **organic and garden waste.**

Murcia (Spain)

Obtain high value products from **urban wastewater sludge**.

Western Macedonia (Greece)

Expand the separate collection of biowaste through the inclusion of **spent coffee grounds** collection and their valorisation via **fermentation technologies**.

HOOP cities and regions
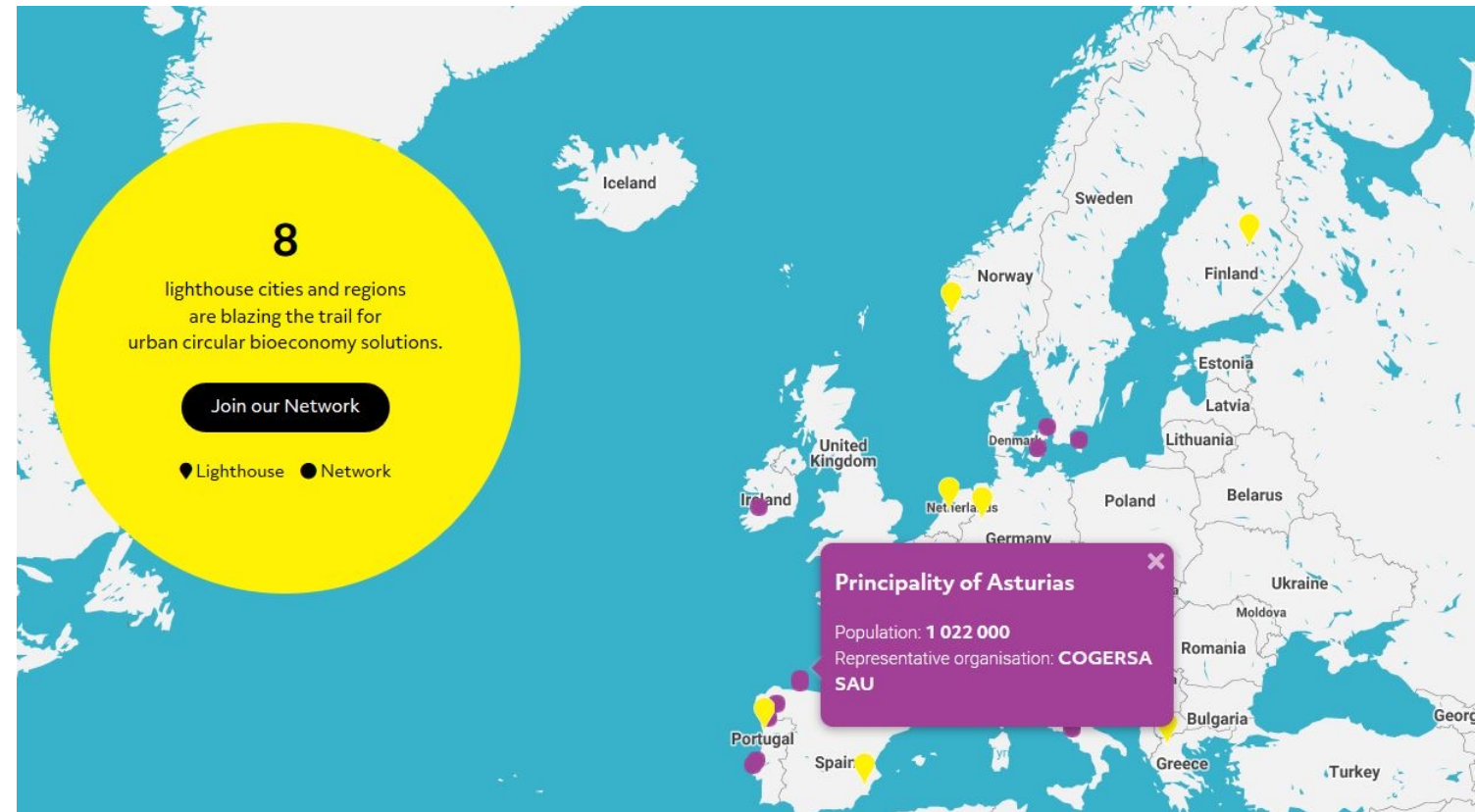## Meet the early birds that already joined the HOOP network

9 waste management / wastewater treatment companies

16 public authorities

representing

9 regions

16 cities

HOOP cities and regions
Meet the early birds that already joined the HOOP network

25 members so far!

Belgium
- Roeselare – City of Roeselare

Cyprus
- Aglantzia – City of Aglantzia

Czech Republic
- Ostrava – Municipality of Ostrava

Denmark
- Bornholm - Bornholms Energi og Forsyning and BOFA
- Copenhagen - City of Copenhagen
- Guldborgsund – Bioeconomy Hotspot Guldborgsund

Ireland
- South West Ireland - Circular Bioeconomy Cluster South-west

Italy
- Vesuvian cities – UCSA

Montenegro
- Kotor – Public Utility Company Kotor

Poland
- Warsaw – City of Warsaw

Portugal
- Alentejo Central – Gesamb
- Cascais - Cascais ambiente (EMAC)
- Guimarães – Guimarães City Hall
- Lisbon and West region (Portugal) – Valorsul

Spain
- Avilés – Municipality of Avilés
- Berguedà (Spain) – Consell Comarcal del Berguedà
- Cartagena – Municipality of Cartagena
- Catalonia – Agencia de residus de Catalunya
- Manlleu – Municipality of Manlleu
- Principality of Asturias - COGERSA SAU
- Ourense – City of Ourense

The Netherlands
- Apeldoorn – City of Apeldoorn

The HOOP cities and regions
The story of Public Utility Company Kotor

Kotor (Montenegro)

23,000 inhabitants

First composting facility (aerobic composting with aerated windrow method) in Montenegro.

25% of the total waste collected in a year **is processed** to produce an high-quality compost, used for the maintenance of public green space.

"Our plans for the following period are to further develop the operation of the composting facility by expanding its capacity so that we can **start to compost organic waste (leftover food)**. Such activities will require involvement of restaurants which would provide the material for composting. We also intend to procure the equipment we need (a sieve and a packing machine) in order to offer the remaining compost for sale to the interested citizens."

The HOOP cities and regions
The story of COGERSA SAU

Asturias region (Spain)

1,022,000 inhabitants

Since 2003, the **composting plant for bio waste** and selected manures produces a successful eco-labelled compost.

Since 2010, **sewage sludge**, from wastewater treatment processes, is used to produce good-quality compost.

Since 2014, the **anaerobic digestion plant** started treating sewage sludge, in 2020 the plant reached to treat 10,000t of biowaste separately collected.

R&D activities focused on **low carbon** and **circular bioeconomy**.

"Municipal mixed waste of Asturias still contains great amounts of kitchen waste and biowaste (35%) and its organic fraction exceeds 50% if paper/cardboard and fabric materials are also included. Thus, environmental campaigns of Cogersa are focused on **waste prevention** and **promotion of separate collection** across Asturias."

Join the HOOP network!
https://hoopproject.eu/network/#join-us

1 Sign up through HOOP website

2 Wait for the approval by the network manager

3 Welcome in HOOP!

4

Starter-pack material:
- Onboarding guide
- Visual identity
- We joined HOOP cards to promote the project

20

Thanks for your attention!

www.acrplus.org

Do not hesitate to contact us

JEAN-BENOÎT BEL

Program Manager

jbb@acrplus.org

SERENA LISAI

Project Officer

sli@acrplus.org