

Industry Overview



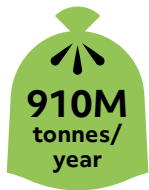
INDUSTRY

Each year, **5 tonnes of waste** are produced by the average European, with only **38%** of that waste being recycled. This comprises all solid waste from all economic sectors, including households, which make up **almost 10%** of total solid waste production.

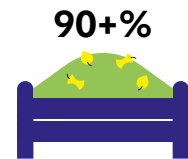
Biowaste, mainly food and garden waste, is a key waste stream to create high quality bio-based products, such as bio-fertilisers and bioplastics. As a result, they remain in the flow of materials – known as urban metabolism – following the principle of circular economy. At more local levels, biowaste makes up the single largest component of municipal waste, making addressing the biowaste challenge central to reaching the EU's **65% recycling target for municipal waste by 2035**. If collected properly, treated biowaste offers a domestic supply of resources for food, feed and bio-based energy and products, reducing EU imports and creating new economic opportunities.



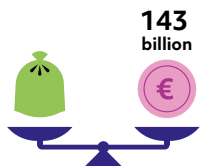
FACTS



The EU produces almost **910 million tonnes** of bio-waste per year



Over **90%** of separately collected food and garden waste is processed into compost.



Municipal biowaste costs **143 billion euros** for food waste only



Biowaste makes up **30-40%** of municipal solid waste across the EU

RESOURCES

- [Estimates of European food waste levels, Fusions EU Project](#)
- [UNEP Food Waste Index Report 2021](#)
- [FAO Food Loss Index \(FLI\)](#)
- [Bio-waste in Europe: turning challenges into opportunities, EEA](#)
- [Bio-waste generation in the EU: Current capture levels and future potential, BIC and ZWE](#)
- [Overview of bio-waste collection, treatment & markets across Europe, ECN](#)
- [Eurostat Waste statistics 2023](#)

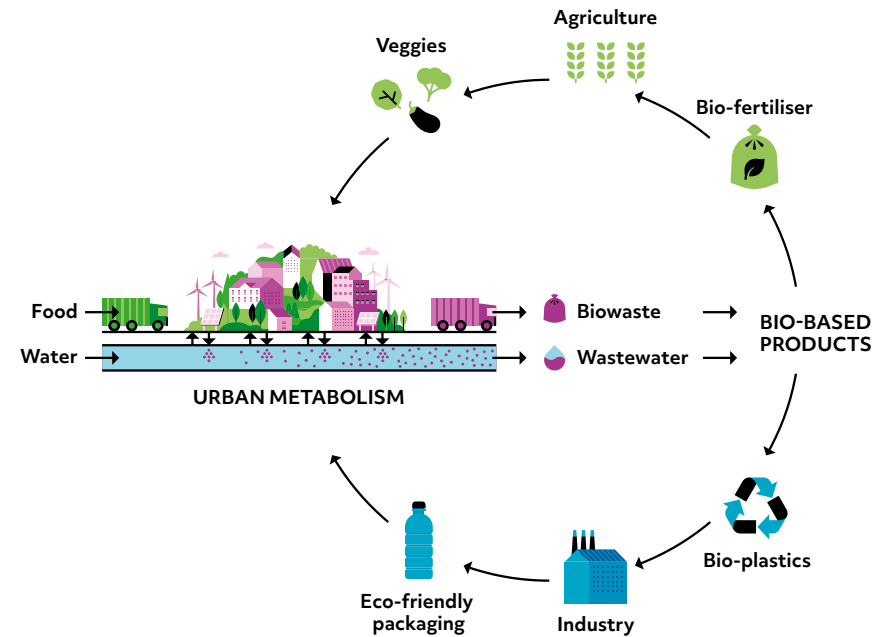
Project Overview



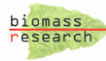
ABOUT

The **HOOP project** aims to drive innovation in the urban bioeconomy by assisting eight cities and regions. Albano Laziale, Almere, Bergen, Kuopio, Munster, Murcia, Greater Porto, and Western Macedonia – HOOP Lighthouses – will implement novel circular processes. By helping the Lighthouses to address legal, financial, and technical barriers, HOOP will unlock significant investments in state-of-the-art biowaste and wastewater valorisation technologies.

HOOP is fostering knowledge exchange through the **HOOP Network** of cities and regions, and the **Urban Circular Bioeconomy Hub**. Institutional authorities, companies, and other interested parties that are striving to become more circular or want to learn how to apply best practices from the HOOP Lighthouses can join these platforms.



PARTNERS



KEYWORDS

- Bio-waste
- Bioeconomy
- Waste valorisation
- Waste management
- Circular Economy
- Circular Cities
- Wastewater
- Food Waste
- Biobased products

BUDGET

Budget: 9 million euros
Duration: 48 months
Partners: 23 from 10 countries

For more details about Partners and Budget, visit [CORDIS](#).



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