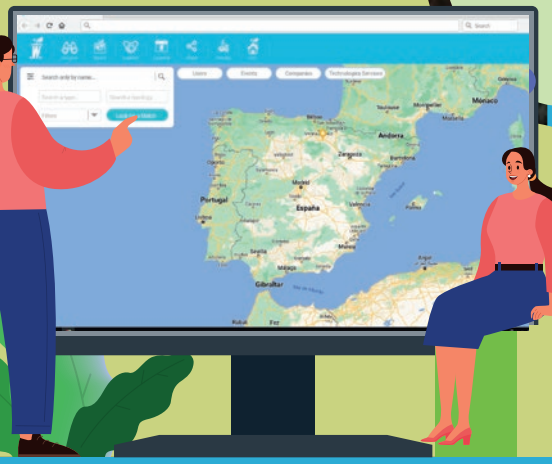
Welcome to

THE BIOWASTE HUB .COM



SCALIBUR

Created in the **Scalibur Project**, which received funding from the **European Union's Horizon 2020** research and innovation programme under Grant Agreement Nº **817788**

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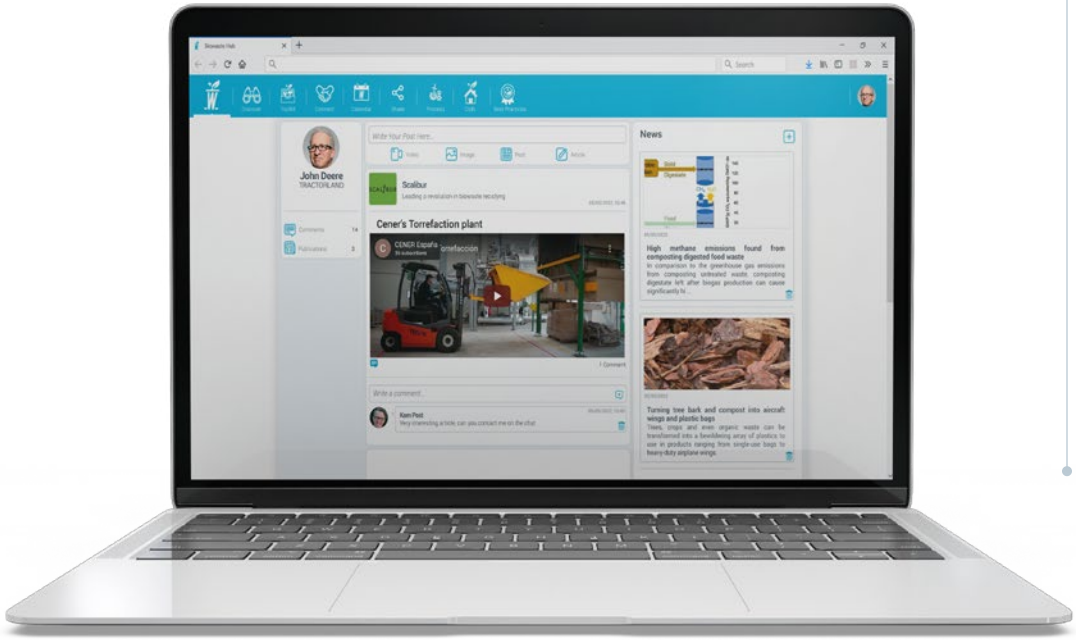
BUILDING A NEW SOCIAL NETWORK TO TACKLE THE BIOWASTE CHALLENGE



Biowaste consists of waste (agricultural wastes, municipal solid wastes, sludge, wastewater & food wastes) that is composed mainly of organic matter. Between 118 and 138 million tonnes of biowaste is generated across the EU every year. Currently, 75% of organic waste goes to landfill or is incinerated, causing major environmental problems as it pollutes soil, groundwater and emits greenhouse gases. The remaining percentage is mainly used to generate biogas and compost as a biological fertiliser. In other words, the amount of organic waste that is cycled back into the economy, i.e., used to produce goods of economic value, is still very low. There is a tremendous opportunity for these biowastes to be radically transformed, either physically, chemically, or biologically into a broad range of valuable products: biofertilizers, bioplastics, biofilms, and biocompounds.

Under the framework of the **SCALIBUR Horizon 2020** project, leading waste management companies, technology developers and research organisations teamed up with four European cities to demonstrate innovative solutions to transform urban food waste and sewage sludge into high value-added products, helping cities to increase their recycling rate and creating new circular economy business opportunities. One of the outputs of the project is **The Biowaste Hub** – a new social network and professional platform for digitally connecting all the players in the biowaste management value chain: collectors, municipalities, energy providers, sorters, research centres, private companies and anyone who wants to participate and play a role in helping to convert the huge volumes of biowaste generated into materials with economic utility such as bioplastics, biofilms, biocomposites, energy or biofertilizers.

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DISCOVER

Google Maps for the biowaste value chain

Discover local, regional and international companies, technologies, & key actors from the value chain.

TECHNOLOGIES

Post your technology offer/request

Search offers/requests

E-LEARNING

Access eLearning courses for free

BIOWASTE STREAMS

Simple tool for mapping biowaste streams

POSTINGS

Post content

View news feeds

TheBiowasteHub Community

Connect and engage with a growing community of stakeholders

TOOLKIT

Access survey building and polling tools

CALENDAR

Check out the events calendar

Feature your own event

BEST PRACTICES

Be inspired by Best Practices from across Europe

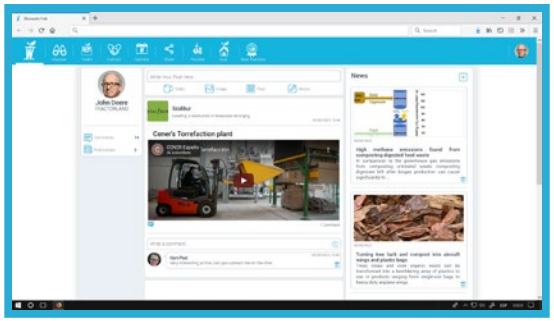
TRANSFORM

Learn about the technological innovations developed in the Horizon 2020 Scalibur project

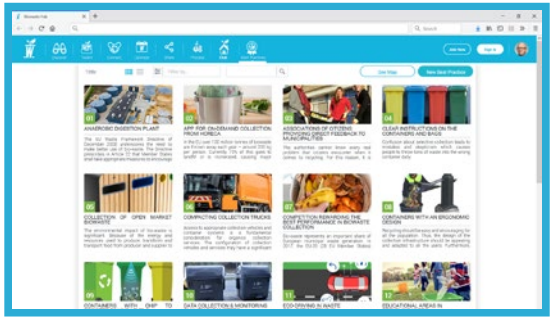
CHAT

Message contacts and connections

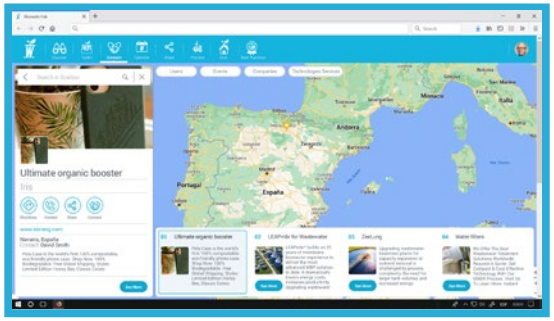
Why Join TheBiowasteHub .com



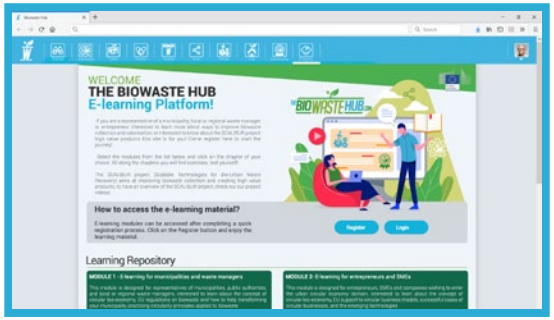
Connect and **engage** with a **growing community** of **stakeholders**



Be **inspired** by **best practices**!



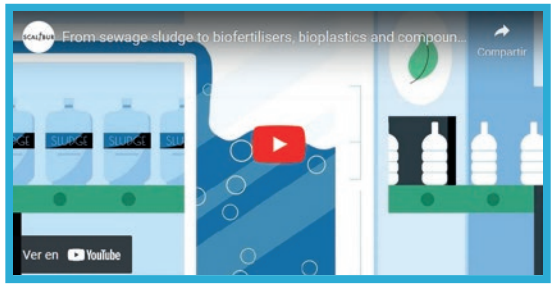
Discover **local**, **regional** and **international companies**, **technologies**, **key actors** from the **value chain**.



Build your **knowledge** and **skills** by **accessing** our **eLearning** Resources

Learn about the latest European **technological innovations** for transforming waste to **value**

Solutions for Household Biowaste



Solutions for **Urban Sewage Sludge**

Solutions for **Horeca** and **Retail Biowaste**

SCALIBUR

Technological Innovation at your Fingertips

The Time is NOW

Biowaste is a **key waste stream** with a **high potential** for contributing to a more **Circular Economy**.

> Sustainable biowaste management will substantially contribute to the objective of halving the amount of residual (non-recycled) municipal waste by 2030, as proposed in the 2020 circular economy action plan.

TheBiowastehub is bringing the relevant actors together so they can:

Connect **Collect** **Transform**

JOIN NOW

TheBiowasteHub makes it easy to...

Connect

Network with stakeholders from the urban biowaste value chain:

- Waste and wastewater management companies
- Business and local service providers (waste, energy)
- Government municipalities
- Industry associations
- Academia & the scientific community
- End-users of biobased and biodegradable polymers for the development of bioproducts
- Generators of urban biowaste (retailers, hotels, restaurant chains...)

Connect with individuals, professionals, organisations, and businesses with an interest in the world of biowaste!

Discover

Learn about the latest **innovations** and **solutions** in the field of **urban biowaste**:

- **Discover** new **innovations** & **process**
- **Learn** from **best practices**
- **Matchmake** with **technology** and **service** providers, with **waste generators** and **waste convertors**...
- **Showcase** your **business, products, services, skills**

Transform

One Central Hub for everything urban biowaste.

Access:

- the **tools**
- the **value chains**
- the **technology**
- and the **connections**

...to **transform biowaste into value outputs**.

Put yourself on the **Biowaste** Map!

To view a video of how to register and add in your products in the Platform!

CLICK HERE

Be part of the Change

Biowaste has considerable potential to contribute more widely to the circular bioeconomy through, for example, being processed into fertiliser, soil improvers and non-fossil fuels. Under the EU's Circular Economy Action Plan, efforts to use biowaste as a resource have gained additional traction, and technical developments going beyond the current end products of biowaste treatment, such as biogas and compost, are emerging.

Want to make a difference in the world?

Join us in **The Biowaste Hub** to see **how you can be involved** in a new community that will take the **lead in converting biowaste into valuable new materials**.

JOIN NOW

Some Facts

With a share of **34 %**, biowaste is the largest single component of **municipal waste** in the **EU**.

A **high proportion** of **biowaste** still ends up in the **mixed waste** that is **landfilled** or **incinerated**, even in **many countries** with well-established **separate collection systems**.

Recycling of biowaste is **key for meeting** the **EU** target to recycle **65 %** of municipal waste by **2035**.

About **60 %** of biowaste is **food waste**.

Research and **innovation increasingly explore** the **opportunities** for using **biowaste**, mainly from **food processing**, as a **new source** of **higher value products** such as volatile **fatty acids** and **biofuels**, but **many challenges** remain.

Treatment of separately collected **biowaste** is dominated by **composting**, but **anaerobic digestion**, with **biogas production**, is increasing. **Biogas** is a source of **renewable energy**.

JOIN NOW

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