

SCALIBUR

Leading a revolution in biowaste recycling

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Contents

SCAL BUR
LEADING A REVOLUTION
IN BIOWASTE RECYCLING

Challenge

Solution

The SCALIBUR project

Improving biowaste collection

Creating high value products

Impact

Replication

Get involved

Challenge



Per year each European throws away

200 kg of blowaste



75% of blowaste is landfilled or incinerated



Left in landfill biowaste causes

emissions and pollution



€143 billion

annual costs associated with biowaste in EU

Solution

A two pronged attack:





The SCALIBUR project

- 'Scalable Technologies for Bio-Urban Waste Recovery'
- €10 million grant from the European Union's Horizon 2020 Programme
- 21 partners from 8 countries



> 1. Improving biowaste collection



ITENE, FCC and CSCP will identify best practices for selective collection of food waste from homes and HORECA.



FCC and ITENE will develop enhanced methods for transport and logistics of urban biowaste.













> 1. Improving biowaste collection



Best practices for sorting and pretreatment will be identified, including a monitoring system to detect contaminants, developed by IRIS.



The biowaste fractions will be characterised to find the optimal compositions for conversion into high value products.























> 1. Improving biowaste collection

Improved methods of selective collection, transport, sorting and pre-treatment will be implemented in three pilot cities.

CSCP will engage stakeholders along the value chain to support the integration of innovative biowaste management practices.

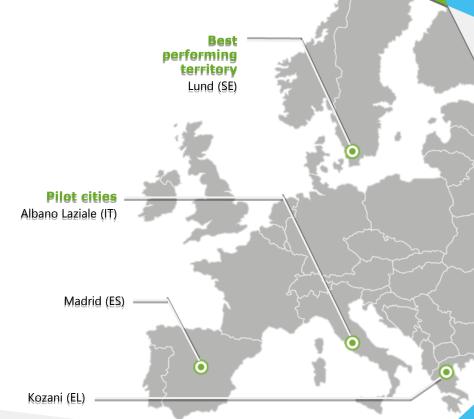












> 2. Creating high value products

Partners will create new business opportunities by demonstrating three innovative value chains to transform biowaste into high-value industrial products.



Impact

Increase biowaste collection by 15-40% in pilot cities

- extra 22 million tonnes collected and valorised per year
- decrease in GHG emissions of 21,79
 Mt CO2 eq/year

Improve citizen participation in separate collection and acceptance of biowastederived products

Bring three innovative processes to obtain value-added products from biowaste to TRL 7

Pre-commercialisation of a range of bio-based products from biowaste.
Contributing to a more sustainable and resilient protein supply chain

New organisational and business models for cities across the EU to replicate

Impact

A number of assessments will evaluate the impact of the SCALIBUR processes.



SCAL BUR

Replication

Dedicated activities will help stakeholders across Europe to replicate the SCALIBUR solutions.



- Best practice factsheets
- E-learning module
- Early Adopter Club
- Training workshops



for Entrepreneurs

- E-learning module
- Personalised business coaching



Citizen engagement

Citizens are key to the SCALIBUR solution – both as waste generators and as consumers of bio-based products. The following activities are planned for them:

- Workshops in schools and offices in pilot cities to educate on waste separation
- "See, touch, taste" experiences in public spaces to increase awareness and acceptance of products derived from biowaste
- Competition and awards for most innovative citizen led idea













Get involved!

The SCALIBUR Stakeholder Platform will be the main tool to access the project results. The Platform will feature interactive user-oriented modules in order to give easy access to relevant information for different stakeholder groups. It will be online in 2021.

Until then come and find us at events and follow us online:



@SCALIBUR_H2020



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www.SCALIBUR.eu



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Thanks for your attention. Any questions?











































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