



FINAL CONFERENCE - SCALIBUR

Breaking barriers for getting the most of biowaste

From smart collection to valorization technologies

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Outline

1. 1- REA's mission and Horizon Europe-Cluster 6 programme
2. 2- SCALIBUR objectives and achievements
3. 2- Information about the next funding opportunities for Cluster 6
4. 3- How to become an independent expert?



European Research Executive Agency

Fostering excellent science for future generations

MISSION OF THE EUROPEAN RESEARCH EXECUTIVE AGENCY

- Mandated by the European Commission to support the EU's R&I policy
- Implements EU programmes in close collaboration with stakeholders
- Selects and manages high-quality research and innovation projects
- Manages promotion measures concerning agri-food products
- Provides administrative and logistical support services to the Commission and other EU bodies
- Cooperates with and provides policy feedback to seven Directorates-General (DGs)

EUROPEAN RESEARCH EXECUTIVE AGENCY IN NUMBERS

IMPLEMENTING SEVEN HORIZON EUROPE AND TWO OTHER EU PROGRAMMES¹
WITH €22.7 BILLION² FROM 2021 TO 2027 IN PARTNERSHIP WITH 7 COMMISSION SERVICES



HORIZON EUROPE

EURATOM

SPECIFIC PROGRAMME: EUROPEAN DEFENCE FUND

*Exclusive focus on
defence research
& development*

Research
actions

Development
actions

SPECIFIC PROGRAMME IMPLEMENTING HORIZON EUROPE & EIT*

Exclusive focus on civil applications



Pillar I EXCELLENT SCIENCE

European Research Council

Marie Skłodowska-Curie

Research Infrastructures



Pillar II GLOBAL CHALLENGES & EUROPEAN INDUSTRIAL COMPETITIVENESS

Clusters

- Health
- Culture, Creativity & Inclusive Society
- Civil Security for Society
- Digital, Industry & Space
- Climate, Energy & Mobility
- **Food, Bioeconomy, Natural Resources, Agriculture & Environment**

Joint Research Centre



Pillar III INNOVATIVE EUROPE

European Innovation
Council

European Innovation
Ecosystems

European Institute of
Innovation & Technology*

WIDENING PARTICIPATION AND STRENGTHENING THE EUROPEAN RESEARCH AREA

Widening participation & spreading excellence

Reforming & Enhancing the European R&I system

Fusion

Fission

Joint
Research
Center

* The European Institute of Innovation & Technology (EIT) is not part of the Specific Programme



CLIMATE
PACT AND CLIMATE
LAW

PROMOTING
CLEAN
ENERGY



INVESTING IN
SMARTER, MORE
SUSTAINABLE
TRANSPORT



PROTECTING NATURE



Cluster 6
&

The European Green Deal



STRIVING
FOR GREENER
INDUSTRY



FROM FARM
TO FORK



ELIMINATING
POLLUTION



LEADING THE
GREEN CHANGE
GLOBALLY



MAKING
HOMES ENERGY
EFFICIENT



FINANCING
GREEN
PROJECTS



ENSURING
A JUST TRANSITION
FOR ALL



Synergies with EU Missions

- Two of the 5 Missions have their clear centre of gravity in Cluster 6 (Oceans and Waters – Soil Deal)
- Cluster 6 also has strong links with the Mission on Climate adaptation



Adaptation to
Climate change



Cancer



Restore our
Oceans and
Waters



Climate-
neutral &
smart cities



Soil Deal for
Europe

SCALIBUR - SCALable Technologies for Bio-Urban Waste Recovery

(Grant agreement ID: 817788)

- Funded under topic : [CE-SFS-25-2018 - Integrated system innovation in valorising urban biowaste](#)
- Aim: to promote innovative approaches to collection, sorting and recycling of urban biowaste in Europe, to develop more sustainable and circular value chains and to produce high value products from biowaste conversion.
- Specific challenges:



Per year each European
throws away
**200 kg of
biowaste**



**75% of biowaste
is landfilled**
or incinerated



Left in landfill
biowaste causes
**emissions and
pollution**



€143 billion
annual costs
associated with
biowaste in EU

The SCALIBUR solutions

- **Improving biowaste collection**
 - best practices for selective **collection, transport, sorting and pre-treatment, and characterisation of food waste and urban sewage sludge**
 - engage stakeholders along the value to **support the integration of innovative biowaste management practices in 3 pilot cities**
- **Creating high value products** (new business opportunities, new products)

Increase **biowaste collection** by 15-40% in the 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 biowaste-derived products

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

Prototype a range of **bio-based products** from biowaste, contributing to a more sustainable and resilient **protein supply chain**

Create new **organisational and business models** for cities across the EU to replicate

Save the date!

- Save the date for the next [#CL6INFODAY](#) !
- Learn how to prepare a quality project proposal to apply for [#HorizonEU](#) funding
- 2023 calls on [#HealthyFood](#), [#ClimateAction](#), [#Biodiversity](#), [#circulareconomy](#) & [#environment](#) will open soon

<https://europa.eu/!bHUYQP>



Become an independent expert



**25% new
experts**



**Read excellent
proposals**



**Network with
fellows**

- ✓ Academia
- ✓ Private sector / innovation agencies
- ✓ Local / national authorities / agencies

Call for experts:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/work-as-an-expert>

Thank you



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