

FINAL CONFERENCE - SCALIBUR

Breaking barriers for getting the most of biowaste

From smart collection to valorization technologies



Outline

- 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?





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



Other EU programmes

¹in addition to ongoing Horizon 2020 projects ²figures are rounded







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



EXCELLENT SCIENCE

European Research Council

Marie Skłodowska-Curie

Research Infrastructures



Clusters

Pillar II

GLOBAL CHALLENGES & EUROPEAN INDUSTRIAL COMPETITIVENESS

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

Joint Research Centre



European Innovation Council

European Innovation Ecosystems

European Institute of Innovation & Technology*

Fusion

Fission

Joint Research Center

WIDENING PARTICIPATION AND STRENGTHENING THE EUROPEAN RESEARCH AREA

Widening participation & spreading excellence

Reforming & Enhancing the European R&I system



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



PROMOTING CLEAN ENERGY





INVESTING IN SMARTER, MORE SUSTAINABLE TRANSPORT



PROTECTING NATURE



Cluster 6 &



STRIVING FOR GREENER INDUSTRY





FROM FARM TO FORK



The European Green Deal



ELIMINATING POLLUTION



LEADING THE GREEN CHANGE GLOBALLY



MAKING HOMES ENERGY EFFICIENT



FINANCING GREEN PROJECTS



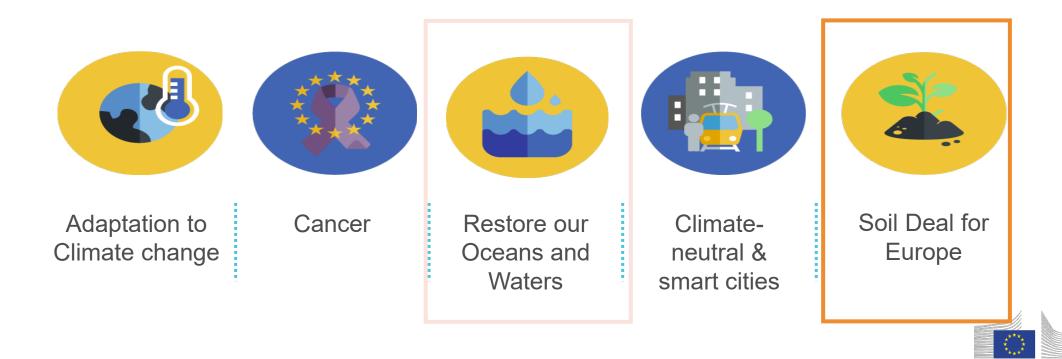
ENSURING A JUST TRANSITION FOR ALL





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



European

SCALIBUR - SCALable Technologies for Blo-Urban Waste Recovery (Grant agreement ID: 817788)

- Funded under topic : <u>CE-SFS-25-2018 Integrated system innovation in valorising urban</u> 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



e143 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 biowastederived 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 <u>#HealthyFood</u>, <u>#ClimateAction</u>, <u>#Biodiversity</u>, <u>#circulareconomy</u> & <u>#environment</u> will open soon

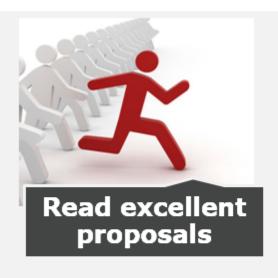
https://europa.eu/!bHUYQP





Become an independent expert







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

Call for experts:

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



Thank you



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