



TECHNOLOGICKÉ
CENTRUM AV ČR

CIRCULAR BIO-BASED EUROPE JU (CBE JU)

Nad'a Konířková
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PARTNERSHIP



- Part of Horizon Europe programme
- 2 billion eur public-private initiative, 50% EC + 50 % BIC
- Build on the success of Bio-based industries JU

CBE JU OBJECTIVES

General objectives

1. Accelerate the innovation process and development of bio-based innovative solutions

2. Accelerate market deployment of the existing mature and innovative bio-based solutions

3. Ensure a high level of environmental performance of bio-based industrial systems.

Specific objectives

1.1. Increase the intensity of cross-disciplinary research and innovation activities to reap the benefits of the advancement in life sciences and in other scientific disciplines for the development and demonstration of sustainable bio-based solutions

1.2. Increase and integrate the research and innovation capacity of stakeholders across the Union to exploit the local bioeconomy potential including in regions with underdeveloped capacity

1.3. Increase the research and innovation capacity for addressing environmental challenges and development of more sustainable bio-based innovations by ensuring that sustainability issues and environmental performance are integrated throughout the whole innovation chain and in future innovative solutions

2.1. Reinforce the integration of bio-based research and innovation in the Union bio-based industry and increase the involvement of R&I actors including feedstock providers in the bio-based value chains

2.2. Reduce the risk for research and innovation investment in bio-based companies and projects

3.1. Ensure that circularity and environmental considerations, including contributions to climate neutrality and zero pollution objectives, are taken into account in the development and implementation of research and innovation bio-based projects and facilitate societal acceptance.

source:
CBE JU



CBE JU STRATEGIC PRIORITIES - SRIA

Feedstock

Strategic priority 1.1.1
Ensure the availability and quality of sustainable bio-based feedstock

Strategic priority 1.3.1
Protect and enhance biodiversity and ecosystem services in bio-based feedstock supply systems

Strategic priority 2.1.1
Demonstrate the sustainable supply of bio-based feedstock

Processing

Strategic priority 1.1.2
Develop innovative production systems in the bio-based industry

Strategic priority 1.3.2
Improve environmental performances of bio-based processes

Strategic priority 2.1.2
Deploy innovative production technologies

Products

Strategic priority 1.1.3
Develop innovative bio-based products

Strategic priority 2.1.3
Scale-up production and market uptake of innovative bio-based products

source: CBE JU



CIRCULAR BIO-BASED EUROPE JU - GOALS

- Strategic participation and **integration of feedstock producers and suppliers** towards large-scale valorisation of sustainable biomass
- Unlock sustainable and circular bio-based **feedstock for the industry**
- Ensure **environmental sustainability** of feedstock
- Improve **environ. sustainability of production** processes and value chains
- Expand **circularity in bio-based value chains**
- Increase **innovative bio-based outputs and products**
- Improve the **market uptake** of bio-based products
- **Attract investment** on the bio-based sector
- Increase **resilience and capacity** in the bio-based sector
- Improve **participation of regions and countries** with high unexploited potential

<https://www.cbe.europa.eu>

- **Type of Instruments:**

- **Research and Innovation Actions** (RIAs) establish new knowledge or explore the feasibility of a new or improved technology, product, process, service or solution. These may include basic and applied research, technology development and integration, testing, demonstration, and validation on a small-scale prototype, in a laboratory or simulated environment. (TRL 3,4,5)
- **Innovation Actions** (IAs) scale up activities from prototype to product validation and market replication. Flagships, an important and specific type of IAs, in particular deploy a first-of-its-kind innovation on the European market (TRL 6,7,8)
- **Coordination and Support Actions** (CSAs) structure stakeholder communities, support technological visions and outreach, as well as disseminate and exploit research results

- **Rules for participation:**

- The Horizon Europe General rules apply to CBE JU with the exceptions introduced in the specific topic conditions of the Annual Workprogrammes

- Call 2022 closed, evaluation results will be available in February 2023

- Next call in 2023 – information will be available at <https://www.cbe.europa.eu/open-calls-proposals>



NCPs CLUSTER 6

Nad'a Koníčková a Jana Čejková

+420 728 212 429, +420 723 147 878

konickova@tc.cz; cejkova@tc.cz

www.tc.cz