



Bio-based Industries  
Joint Undertaking

## Circular Bio-based Europe (CBE JU) the successor of BBI JU under Horizon Europe

Meeting with ERRIN – 19 May 2021

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# From 'Horizon 2020' to 'Horizon Europe'

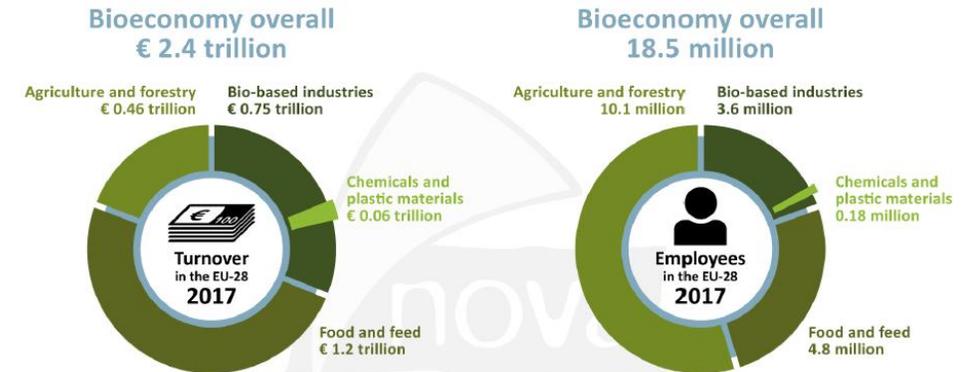
- EU works with 7-year budgets
  - BBI JU:
    - Fully embedded in Horizon 2020 (2014-2020)
    - Last BBI JU Call was Call 2020 (closure date: 3 Sept 2020)
  - 'Horizon Europe': new EU R&I funding programme (2021-2027)
- Successor for BBI JU?
  - Negotiations are ongoing for CBE (**Circular Bio-based Europe**)
  - Embedded in 'Horizon Europe'



# Updated Bioeconomy Strategy 2018

## Key for EU with huge potential

- The European bioeconomy is one of the EU's largest and most important sectors
- Agriculture, forestry, fisheries, food, bio-energy and bio-based products
- **Annual turnover around EUR 2.3 trillion - employing around 18 million people.**
- **WHY DO WE NEED THE BIOECONOMY?**
- We live in a world of **limited resources**. **Global challenges** like :
  - climate change, land and ecosystem degradation,
  - Growing demand for food, feed and energy,
  - force us to seek new ways of producing and consuming.
  - **Sustainable & circular bioeconomy contributes to addressing these challenges.**
- **THE EU BIOECONOMY HAS A HUGE POTENTIAL FOR:**
  - Job creation
  - Climate mitigation and a carbon-neutral future
  - A renewed and strengthened industrial base and modernised primary production
  - Restoring healthy ecosystems - Enhancing biodiversity



Bio-based Industries Consortium

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# Updated Bioeconomy Strategy 2018

## WHAT NEEDS TO BE DONE?

### 1. Strengthen and scale-up the bio-based sector for example by:

- launching a €100 million Circular Bioeconomy Thematic Investment Platform to bring bio-based innovations closer to the market and de-risk private investments
- facilitating the development of new sustainable biorefineries across Europe
- promoting and developing standards, labels and market uptake of bio-based products, such as the EU Ecolabel or green public procurement

### 2. Rapidly spread bioeconomies across the whole of Europe via:

- a strategic deployment agenda for sustainable food and farming systems, forestry and bio-based products
- bioeconomy innovations with pilot actions in rural, coastal and urban areas
- a policy support facility to help Member States and regions develop and implement their own bioeconomy strategies.

### 3. Understand the ecological limitations of the bioeconomy by:

- implementing an EU-wide monitoring system to track progress towards a sustainable and circular bioeconomy
- enhancing our knowledge base and understanding of specific bioeconomy sectors
- providing guidance on how best to operate the bioeconomy within safe ecological limits.



# Vision “The circular Bio-society in 2050” Mobilising stakeholders (2019)



*This Vision is the result of the **collective work** by the **Bio-based Industries Consortium (BIC)** and its members, the **BBI JU’s advisory bodies: the States Representatives Group and Scientific Committee**, and the following organisations:*

- European Bioeconomy Alliance (EUBA) and its members:
  - ✓ (Confederation of European Forest Owners (CEPF);
  - ✓ Confederation of European Paper Industries (CEPI);
  - ✓ European Association for Bioindustries (EuropaBio);
  - ✓ European Association of Sugar Producers (CEFS);
  - ✓ European Bioplastics (EUBP);
  - ✓ European Farmers and European Agri-Cooperatives (Copa-Cogeca);
  - ✓ European Renewable Ethanol Producers Association (ePURE);
  - ✓ European Starch Industry Association (Starch Europe);
  - ✓ European Vegetable Oil and Protein Meal Industry (FEDIOL);
  - ✓ Forest-based Sector Technology Platform (FTP)
  - ✓ Primary Food Processors (PFP))
- European Agricultural Machinery Industry (CEMA)
- European Chemical Industry Council (Cefic)
- European Technology Platform ‘Food for Life’
- European Technology Platform for Sustainable Chemistry (SusChem)

*The Institute for European Environmental Policy (IEEP) has been consulted in this process.*

Source: BIC, <https://biconsortium.eu/news/Vision-circular-bio-society-2050>



**By 2050**, Europe will have a **sustainable and competitive bio-based industry** providing jobs and growth that contribute to a **circular bio-society**. In this circular bio-society, informed citizens choose a **sustainable way of life**, supporting an economy that couples economic growth with **societal well-being and respect for the environment**.

# From Vision 2050 to SIRA 2030 (2019 – 2020)



- This Vision also serves as the framework for the development of a Strategic Research and Innovation Agenda – the SIRA – for a public-private partnership on bio-based solutions under Horizon Europe (2021- 2027).
- The SIRA will be an important tool to realise and implement four pillars of vision with all involved stakeholders

1

**Foster food security for a growing world population and meet demand for sustainable products**

Through integrated, efficient production of food, feed, bio-based products, services and energy with minimal environmental impact.

2

**Contribute to a sustainable planet**

With carbon-neutral value chains, using natural resources optimally, protecting the environment, adding value to society and the economy.

3

**Create jobs and growth in the circular bioeconomy**

With value chains that mobilise available and potential local feedstock, making products that meet demand and benefit all actors.

4

**Achieve a circular bioeconomy society**

Through effective networks of innovation and knowledge centres, connecting industrial actors, investors and municipalities across boundaries of geography and competence, with informed and participating citizens.



# Proposed Partnership on ‘Circular Bio-based Europe’ (CBE): Inception Impact Assessment (2019) – impact assessment (2019-2020)

## Inception impact assessment (2019)



<b>TITLE OF THE INITIATIVE</b>	European Partnership on ‘Circular bio-based Europe: sustainable innovation for new local value from waste and biomass’ (Sustainable, inclusive and circular bio-based solutions)
<b>LEAD DG (RESPONSIBLE UNIT)</b>	DG Research and Innovation (RTD.C1)
<b>LIKELY TYPE OF INITIATIVE</b>	Proposal for a Council Regulation for a European Partnership on Circular bio-based Europe under Horizon Europe

- Need for coordinated research funding under a proposed partnership in ‘Circular Bio-based Europe’ in a world of limited resources
- The partnership is intended to build on the achievements of the ‘Bio-based Industries Joint Technology Initiative’ (BBI Initiative) established under Horizon 2020

## Impact assessment - Mapping of policy options (2019 – 2020)

- External study based on desk research, Commission and stakeholder consultation, quantitative and qualitative data collection and analysis and inputs from panels of experts.
- provided coordinated input for the preparation of impact assessments, to lead and accompany the proposals for institutionalised partnerships (based on Articles 185 and 187 TFEU).

1. baseline option: no partnership, calls for proposals under Horizon Europe work programs (option 0)
2. co-programmed European Partnership (option 1)
3. institutionalised European Partnership (option 2) → **green light from scrutiny board in September 2020**



# The Single Basic Act

- Single Basic Act (SBA) is the legal act establishing all partnerships including CBE JU
  - General part is common for all institutionalised partnerships
  - Specific part of individual partnerships
- SBA adoption process
  - Inter-service consultation closed on 14 December 2020
  - Commission adopted the proposal in February 2021
  - EP will issue its opinion - the European Council adopts the Council Regulation
  - Expected entry into force before end 2021



# SBA Objectives for CBE\*

## General objectives

- a) Accelerate the **innovation** process and development of bio-based innovative solutions
- b) Accelerate **market deployment** of the existing mature bio-based innovative solutions
- c) Ensure a high level of **environmental performance** of bio-based industrial systems



# SBA Objectives for CBE\*

## Specific objectives

- a) Increase the intensity of **cross-disciplinary research and innovation** activities for the development and demonstration of sustainable bio-based solutions
- b) Increase and integrate the **R&I capacity of stakeholders across the European Union** to exploit the local bioeconomy potential
- c) Increase the R&I capacity for addressing **environmental challenges** and **development of more sustainable bio-based innovations**
- d) Reinforce the **integration** of bio-based R&I processes in EU industrial value chains
- e) **Reduce R&I investment risk** in bio-based companies and projects
- f) Ensure that **environmental considerations** are taken into account in the development & implementation of R&I bio-based projects



# Main tasks of CBE (not exhaustive)\*

- **Similar to BBI JU**
  - Programming of R&I activities of public & private partners (e.g. call for proposals)
  - Support high impact multidisciplinary R&I projects (i.e. project portfolio management + follow up impacts)
  - Promote communication and collaboration between R&I actors and industrial stakeholders
- **New / updated**
  - Wider participation of targeted actors (e.g. “rural, coastal, urban areas and regions with unexploited potential”; “mobilize national and regional authorities”; etc.)
  - Focus and monitoring on environmental performance including biodiversity while respecting the principles of circularity, sustainability and planetary boundaries
  - Broader, more explicit communication mandate (e.g. explicit mentioning of policy makers, industry, NGOs and consumers at large)
  - Financial contribution from private partner



# CBE governance and bodies\*

- Similar to BBI JU
  - Governing Board (GB) 50% BIC – 50% EC
  - Executive Director and programme office
  - Scientific Committee (15 members)
  - States Representatives Group ( MS and AC)
- New in CBE
  - At least once per year: ‘strategic’ (= expanded) meeting of the GB
  - A third advisory body ‘Deployment Group’
    - One or more Deployment Groups shall be established – 3 areas :
    - **Purpose:** to advice the GB on issues critical to market uptake of bio-based innovation and to promote deployment of sustainable bio-based solutions
      - Primary sector participation
      - Other sources of funding including investors
      - Regional dimension



# From 'Horizon 2020' to 'Horizon Europe'

– Timing of new Calls? When will more information be available?

✓ Subscribe to BBI JU newsletter via <https://www.bbi-europe.eu/>

✓ Become BIC member

Horizon Europe Funding and Tender portal

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/home>



**Thank you!**

## Contact us

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