

Bio-based Industries Consortium

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Chairman of the Governance Board

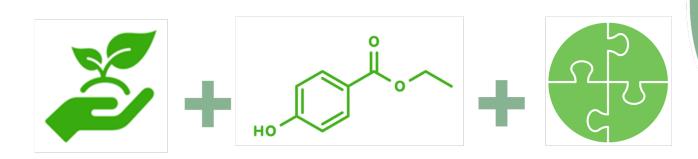








Success of Circular Bio-based Europe JU



De-fossilization of Materials





Success of Circular Bio-based Europe JU

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Accelerated
De-fossilization
of Materials

Biomass

Chemistry

Collaboration

EU Biotech & Biomanufacturing Initiative





Boosting Biotechnology and Biomanufacturing in the EU

Simplified Regulatory Framework

Private Investments

Public Investments

Support scale-up

Fair comparison with fossil-based

Bioeconomy Strategy 2025

International Cooperation

ΑI



Brussels, 20.3.2024 COM(2024) 137 final

COMMUNICATION FROM THE COMMISSION TO THE EUROPEAN PARLIAMENT, THE COUNCIL, THE EUROPEAN ECONOMIC AND SOCIAL COMMITTEE AND THE COMMITTEE OF THE REGIONS

Building the future with nature: Boosting Biotechnology and Biomanufacturing in the EU





From the 8 main actions listed in EU Biotech and Biomanufacturing Initiative, BIC urges the EC to tackle three of them immediately

Simplified Regulatory Framework

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Bioeconomy Strategy 2025

International Cooperation

ΑI

Set incentives and targets for the use of fossil free content in products and materials

- Stimulate measures for market uptake e.g. bio-based content requirements in Ecodesign regulation
- Adjust PEF methodology to acknowledge the benefits of biogenic carbon versus fossil carbon

Increase supply of sustainable biomass for biomanufacturing in Europe

- Apply scientifically sound sustainability criteria for using biomass (primary and secondary)
- Stimulate development and use of underutilised sources of biomass e.g. waste, residues, etc

Accelerate Europe's bio-manufacturing capability to go from lab to fab to market

- Improve approval process and remedy regulatory hurdles to bring new biobased products faster to market
- Support, co-fund and de-risk biomanufacturing infrastructure, improve access to finance for biorefineries





Interestingly, some EU Member States and the RCI both came out with their statements on the need for a policy framework in line with these BIC priorities



Press release
Renewable Carbon Initiative (RCI)
www.renewable-carbon-initiative.com
2024-04-10



How to Enable the Transition From Fossil to Renewable Carbon in the Chemical and Material Sector

In a comprehensive member survey, the Renewable Carbon Initiative (RCI) collected ideas and opinions on what is needed to enable the transition from fossil to renewable carbon in Europe. The feedback paints a clear picture and is a call to action.

The European chemicals and materials sector is under pressure. RCI members, representing a wide range of these sectors, see many common elements in the key challenges and how to address them. High energy and raw material prices, as well as the need to defossilise carbon demand to meet CO₂ emission targets, particularly for so-called "Scope 3" emissions, are some of the issues frequently raised.

A central issue: there is no policy to incentivise the shift from fossil to renewable feedstocks in chemicals and plastics.

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To meet the objectives of the CBE Joint Undertaking, we need to shift our resources from Research to Innovation Actions





Importance of Demo's and Flagships for EU Circular Bioeconomy



- Helping innovations to progress through the valley of death: scaling up innovations to the size needed to become a real alternative for the linear fossil solutions
- De-risking innovative investments
- Multidisciplinary partnerships with complementary skills & expertise to develop the solutions we need
- Partnering with other industries to set up new bio-based innovative value chains and eco-systems, including access to feedstock
- Involvement of brand owners to shorten time to market
- Fostering sustainability through efficient use of feedstock with zero-waste objective



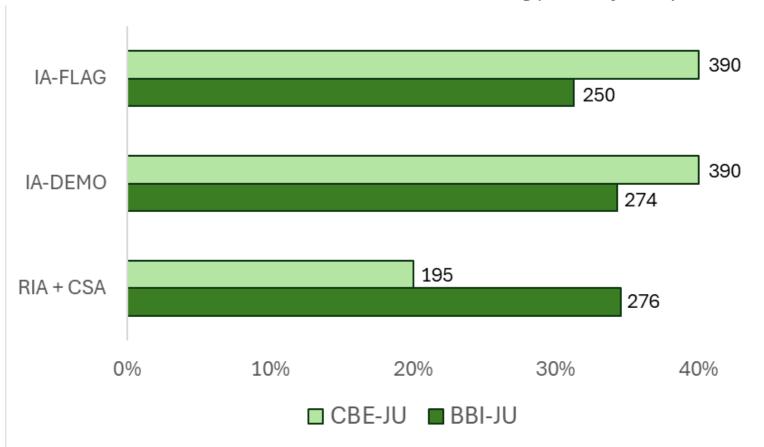
Demo's and Flagships are at the critical stage of an innovation process where it will turn out if inventions will lead to innovation and where creation of new value becomes a reality.





BBI-JU and CBE-JU* Total Project Funding

* Including planned future years



- Compared to BBI, CBE funding shifting towards projects with higher TRL
- 80% of total CBE funding will be to Flagships and Demo
- AWP 2022 and 2023 still saw higher RIA/CSA share, AWP 2024 onwards will increase focus on Demo and Flag





Flagship (€60mio)

- Bio-based value chains for valorization of sustainable oil crops
- 2 Bio-based dedicated platform chemicals
- Bio-based value chains for valorization of sustainable natural fiber feedstock

Innovation Action/ Demo (€105mio)

- Solutions for in-soil biodegradable applications
- Micro-algae feedstock for added-value applications

CBE Annual

Workplan

2024

Bio-based solvents

- Bio-based construction & building materials
- 5 Lignin-derived aromatics
- 6 Bio-based adhesives
- Biogenic gaseous carbon to Chemicals

RIA (€38mio)

- Valorization of Industrial and consumer wood waste streams
- 2 Biotech to replace animalderived chemicals
- Bio-based alternatives for crop protection
- Bio-based coatings for high demanding conditions
- Innovative biobased food/feed ingredients

CSA (€10mio)

- New forms of cooperation in agriculture and the forestbased sector
- Mobilize inclusive participation in bio-based systems and supporting the CBE JU widening strategy and action plan
- Supporting the CBE JU Deployment Group on Primary Producers





The impact of AWP 2024

17 new Demo's and Flagships in EU by 2028

