



Building the future with nature:

Biotechnology and Biomanufacturing in the EU

29 May 2024

08:30-09:45 CET

Online



Agenda

1. News from the European Cluster Collaboration Platform
Nina Hoppmann, *Team Member European Cluster Collaboration Platform*
2. EU Biotechnology and Biomanufacturing Initiative
Carlos Gómez Muñoz, *Policy Officer, Secretariat-General, European Commission*
3. Panel debate
Felice Lopane, *Managing Director, Lombardy Life Science Cluster*
Gonzaga Ruiz de Gauna Gutiérrez, *Managing Director, BIOVEGEN*
Gorenka Bojadzija Savic, *European Project Manager, Biotech Santé Bretagne*
Wouter Piepers, *CEO, flanders.bio*
4. Funding opportunities
Nina Hoppmann, *Team Member European Cluster Collaboration Platform*

Housekeeping rules

Chris Burns, presenter

- We will use **slido** to launch polls. Please scan the QR code to answer.
- Please use the **Zoom Q&A function to ask questions**, and the **chat function** to comment or share links.
- If you want to speak: Please **raise your hand** and we will give you the floor.
- Please note that the session is being **recorded** and that the recording will be **published** on the European Cluster Collaboration Platform.

NEWS FROM THE EUROPEAN CLUSTER COLLABORATION PLATFORM

Register for Clusters meet Regions in Graz, Austria



Anchored in the theme of **Tradition Reinvented**, the event aims to explore how clusters can spearhead transformative shifts towards a climate-neutral, digital future, aligning with European sustainability goals.

As part of the [Clusters Meet Regions event in Graz, Austria](#), a matchmaking event will take place on **18 June 2024**.

EU-Canada Matchmaking



The [EU – Canada Matchmaking Event](#) will take place **will take place on-site in Montreal, Canada, on 10-12 September 2024** in the context of the ALL IN Event (Artificial Intelligence).

It will provide participants an excellent chance to promote Cluster to Cluster (C2C), Cluster to Business (C2B), and Business to Business (B2B) collaborations between EU/COSME countries and Canada.

Focus areas: Artificial Intelligence, Advanced manufacturing, Digital Technology, Quantum Technology

Save the date for further matchmakings!



 An initiative of the European Union

EUCLUSTERS MATCHMAKING EVENTS

EU-Singapore MATCHMAKING EVENT

In the context of Singapore International Energy Week

Singapore

22-24 October 2024

 EUROPEAN CLUSTER COLLABORATION PLATFORM  European Commission



 An initiative of the European Union

EUCLUSTERS MATCHMAKING EVENTS

EU-India MATCHMAKING EVENT

In the context of Bengaluru Tech Summit

Bengaluru, India

18-21 November 2024

 EUROPEAN CLUSTER COLLABORATION PLATFORM  European Commission

Explore the Trend Universe: Open to all users from the EU!

Our services
The services of the European Cluster Collaboration Platform to support your work

CLUSTERS MEET REGIONS	EUCLUSTERS TALKS	EUCLUSTERS MATCHMAKING	C2LAB	CLUSTER BOOSTER ACADEMY	GREEN TRANSITION SUPPORT	TREND UNIVERSE
Clusters Meet Regions Join clusters and policymakers in the local, regional, and national level and work on strengthening the industrial ecosystem of regions.	EU Clusters Talks Your weekly opportunity to exchange knowledge and discuss topics significant to the EU business community.	EU Clusters Matchmaking Events Team up with other cluster organisations from Europe and third countries and find new collaboration opportunities at dedicated matchmaking events.	C2Lab Interactive workshops for cluster organisations, companies, and other interested entities to meet up, establish new collaborations and develop project roadmaps.	Cluster Booster Academy Join our Cluster Booster Academy, meet other cluster managers and learn how to further develop your cluster and overcome challenges in your daily work!	Green Transition Support Connect with other businesses in the green transition, and get practical knowledge, tools and information you need for your work.	Trend Universe A strategic foresight instrument which allows you to get a deeper understanding of future trends and their impact on your cluster organisation.
Explore	Explore	Explore	Explore	Explore	Explore	Explore



Trend Universe

A strategic foresight instrument which allows you to get a deeper understanding of future trends and their impact on your cluster organisation.

[Explore](#)



Join the Drop In Sessions

Do you have any questions about the ECCP functionalities? Join the ECCP series of interactive online drop-in sessions designed to empower ECCP users at every stage of their journey, for example:

- Profile Creation Assistance
- Profile Updates
- Becoming a Pro User
- Accessing the Trend Universe

More sessions scheduled every Wednesday at 16:00 until July!



EU Biotechnology and Biomanufacturing Initiative

Carlos Gómez Muñoz

Policy Officer, Secretariat-General, European Commission



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

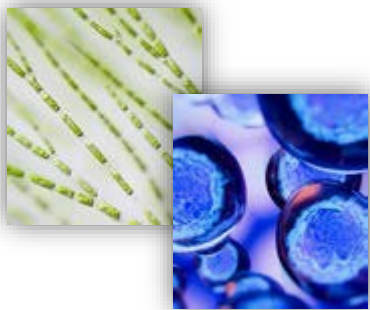
EU Clusters Talks – 29 May 2024



Carlos Gómez Muñoz
Policy Officer – Secretariat General

Context and scope

- Biotechnology (and biomanufacturing) is one of the **most promising technological areas** of this century – Part of the **STEP** regulation
- They can help the EU to modernise its economy, be more competitive and resilient, and address societal issues
- Biotechnology has been identified as a **critical technology from the economic security perspective**
- The overall global biotechnology market size was EUR 720 billion in 2021 with a **growth rate of more than 18% annually**
- The sector is characterised by intense **technological competition** and is inherently **research-driven**



The Communication identifies the current challenges and barriers for biotech and biomanufacturing activities in the EU and proposes a series of targeted actions to tackle them in a timely manner

Challenges

- Research and technology transfer to the market
- Regulatory complexity
- Access to finance
- Skills
- Value chain obstacles
- Intellectual property
- Public acceptance
- Economic security



Opportunities and way forward

Leveraging research and boosting innovation

- Study about EU's position compared to other global leaders
- Explore ways to accelerate the development and use of EU IBISBA

Artificial Intelligence and use of data



- **Main action 3: Use of AI and generative AI: Structured exchanges to accelerate uptake and awareness raising on access to EuroHPC supercomputers**
- Support the development of advanced Generative AI models for healthcare

Stimulating market demand



- **Main action 6: Enable fair comparison with fossil-based products: Developing methodologies and reviewing the Product Environmental Footprint (PEF)**
- Incorporate methodologies for carbon storage in construction materials
- Impact assessment of the feasibility of bio-based content requirements in specific product categories and public procurement
- Explore how bio-manufactured non-food products could profile themselves better through labelling of bio-based products

Streamlining regulatory pathways, including permitting and authorisation



- **Main action 1: Simplified regulatory framework and faster access to market: Study on streamlining regulation with views to a possible EU Biotech Act**



- **Main action 2: Better support for scale-up and ease of navigating regulations: EU Biotech Hub**
- Promote the establishment of regulatory sandboxes that allow to test novel solutions

Opportunities and way forward

European leadership for health biotech

- Study to identify how best to leverage existing assets and infrastructures for health biotechnology
- Study on the implementation of the Clinical Trial Regulation
- Encourage voluntary collaboration on effectiveness analysis, pricing and reimbursement of medicines

Promoting circularity, sustainable sourcing of materials and depollution – biotech for green transition

- Explore how to accelerate market approval of sustainable, low-risk bio-pesticides and bio-based fertilisers

Fostering public and private investments



- **Main action 4: Encourage more private investments: Study to identify barriers for consolidation of investment funds, stock exchanges and post-trading infrastructure**
- **Main action 5: More public investments to encourage private investments in the sector: Advocate including biotech and biomanufacturing as part of the EIC accelerator 2025 WP**
- Information on calls relevant to biotech available under 11 EU funding programmes in the STEP Sovereignty Portal
- Explore further targeted support for breakthrough technologies under the European Innovation Council
- Examine the potential of the Innovation Fund to support climate-relevant biotech and biomanufacturing innovation
- Explore possibilities to expand the European Tech Champions Initiative
- Analyse improvements to the existing instruments for better financial support
- Explore the use of tax credits for R&I activities

Opportunities and way forward

Strengthening Biotech-related skills

- Explore a specific large-scale partnership for the biotech and biomanufacturing
- Explore expanding the concept of the New European Bauhaus Academy in the built environment to other sectors such as textiles

Developing standards

- Promote the elaboration and updating of European standards, with support of the European standardisation organisations

Collaboration and synergies

- Encourage the deployment of technologies related to biotechnology and biomanufacturing across EU regions through Regional Innovation Valleys

Fostering engagement and international cooperation



• **Main action 7: Bigger market for biotechnology and biomanufacturing: Deepening cooperation with international partners, like the US**

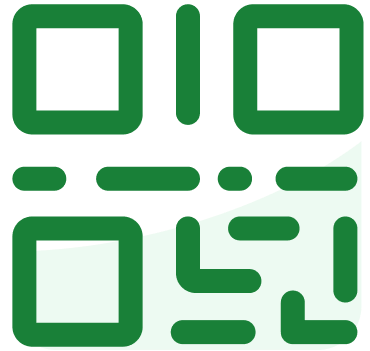
- Advance existing partnerships with Africa, Latin America and the Caribbean on manufacturing health
- Examine trade barriers to biotech and biomanufactured products and the potential to lower them through trade agreements
- Continue working with the EU's partners in the global UN policy frameworks to ensure safe and sustainable use of biotechnology globally



• **Main action 8: The Commission will review the EU Bioeconomy Strategy by end 2025**

Thank you

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**Join at slido.com
#Biotech**

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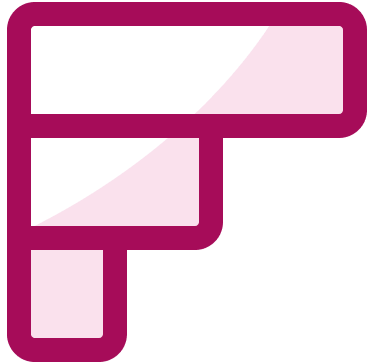
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What kind of biotech are you involved or interested in developing?

ⓘ Start presenting to display the poll results on this slide.

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What is a key barrier you face in biotech/biomanufacturing?

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What is needed to create a more integrated EU biotechnology ecosystem?

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Panel debate

Felice Lopane, Managing Director, Lombardy Life Science Cluster

Gonzaga Ruiz de Gauna Gutiérrez, Managing Director, BIOVEGEN

Gorenka Bojadzija Savic, European Project Manager, Biotech Santé Bretagne

Wouter Piepers, CEO, flanders.bio

FUNDING OPPORTUNITIES

Biotech routes to obtain bio-based chemicals/materials replacing animal-derived ones

- Successful proposals will contribute to the development of sustainable bio-based products:
 - Novel, scalable, and sustainable **biotech production routes** for bio-based and non-animal-derived chemicals/materials
 - Bio-based chemicals/materials that **meet end users' requirements**
 - Availability of safe and sustainable bio-based products **by design**
 - Positive **socio-economic impacts** across the value chain
 - **Social acceptance** of circular bio-based solutions
- Proposals should implement a multi-actor approach involving all key actors in the value chains
- Topic ID: HORIZON-JU-CBE-2024-RIA-02; HORIZON-RIA HORIZON Research and Innovation Action
- Deadline: 18 September 2024
- Published on [EU Funding & Tenders Portal](#)

Bio-based dedicated platform chemicals via cost-effective, sustainable and resource-efficient conversion of biomass

- This call aims to foster the **sustainable and large-scale production of bio-based platform chemicals** that are crucial for advancing the circular bioeconomy and enhancing the competitiveness of the European chemical industry.
- Project results should contribute to the following expected outcomes, among others:
 - Sustainable, large-scale production of bio-based platform chemicals with dedicated chemical structures and availability of a broader range of bio-based chemicals meeting market and technical performance requirements, hence also **facilitating the market uptake of bio-based solutions**
 - **Improved circularity and resource efficiency** of bio-based value chains via practical application of circular bioeconomy, encompassing the resource- and energy-efficient, cascading use of sustainably-sourced biomass
 - Significantly improved **sustainability, strategic autonomy, resilience and competitiveness** of the European chemical industry and with cascading impact in other downstream sectors
- Topic ID: HORIZON-JU-CBE-2024-IAFlag-02; HORIZON-IA HORIZON Innovation Action
- Deadline: 18 September 2024
- Published on [EU Funding & Tenders Portal](#)

Bio-based materials and products for biodegradable in-soil applications

- This call aims to support the development and deployment of sustainable bio-based biodegradable materials and products for **soil applications**.
- Project results should contribute to the following expected outcomes:
 - Availability of **safe and sustainable by design bio-based solutions** aiming at zero waste and zero pollution, with decreased environmental impact on soil, biodiversity and climate.
 - Contribution to **industrial competitiveness and resource independence** of bio-based value chains in EU/EEA/EFTA countries and ACs.
 - Improved **circularity** and resource efficiency via practical application of circular bioeconomy.
 - **Social acceptance** of circular bio-based solutions and products.
 - **Innovative manufacturing processes** to enable the safe biodegradation of bio-based materials and products according with the environmental conditions and time frame for specific applications.
- Topic ID: HORIZON-JU-CBE-2024-IA-01; HORIZON-IA HORIZON Innovation Action
- Deadline: 18 September 2024
- Published on [EU Funding & Tenders Portal](#)

Enterprise Europe Network

- The Enterprise Europe Network (EEN) **provides business support and advisory services – in particular for SMEs** – by offering information, advisory services, feedback and partnering services, innovation, technology and knowledge transfer services. The Network provides services encouraging the participation of SMEs in the opportunities provided by the Single Market Programme and Horizon Europe, as well as internationalisation services beyond the Single Market and informs SMEs on access to finance and funding opportunities.
- This call for proposals establishes and ensures the continuous functioning of the Enterprise Europe Network from 1 July 2025 until 31 December 2028 by **selecting the consortia that will make up the Network**.
- Activities to be funded:
 - Activity 1: Provision of value-added services to clients
 - Activity 2: Promotion of the Network and communication
 - Activity 3: Network development and capacity building
 - Activity 4: Network coordination and quality management
 - Activity 5: Project management (including consortium coordination)
- Topic ID: SMP-COSME-2024-EEN-01; SMP Action Grant Budget-Based
- Multiple cut-offs; first deadline: 19 September 2024
- Published on [EU Funding & Tenders Portal](#)

Opportunities for SMEs: Calls from Euroclusters

- CirInWater: Knowledge lump to boost SMEs' development or growth by facilitating **access to external training or consultancy services**; meant for an individual SME that is offering **water-smart solutions**, especially for the agrifood & energy-intensive industries and that is willing to boost its development internationalisation activities towards **North America**; deadline 22 July 2024
- E-BOOST: Supporting innovative **Products & Services** development in **electromobility** sectors; deadline 31 May 2024
- E-BOOST: **Mobility** Lump Sum to Mobility and Industry **Suppliers Meeting** (MISM) mission; deadline 31 May 2024
- E-BOOST: **Mobility** Lump Sum to **InnoTrans mission (Railway exhibition in Berlin)**; deadline 30 May 2024
- FRIEND CCI: Call for **providers** offering solutions in **digitalisation, greening, and internationalisation** to collaborate with **Creative and Cultural** SMEs for the realization of funded projects; deadline 1 August 2025
- GEMSTONE: Financial support for **training** related to **Green Manufacturing**; deadline 31 December 2024
- INGENIOUS: **Internationalisation** grant for SMEs operating in **energy-intensive industries** to develop activities related to Africa, Asia, North America and Latin America; deadline 30 September 2024
- INGENIOUS: **Training** grants to help SMEs improve their digital skills, green transition, resilience preparedness and reskilling and upskilling of the workforce; deadline 14 February 2025

Opportunities for SMEs: Calls from Euroclusters

- RE-CENTRE: Financial support for participation of SMEs (traditional furniture and living sector, IT sector, and green/circular economy sector) in **B2B meetings** with entities from Mexico or Chile; deadline 31 May 2024
- RESIST: **Training** FSTP for SMEs in the **Automotive – Mobility – Transport** ecosystem; deadline 30 November 2024
- RESIST: **Networking and marketing** FSTP for SMEs from the **Automotive – Mobility – Transport** ecosystem; deadline 20 December 2024
- RESIST: **Internationalisation** FSTP for activities in target markets; deadline 20 December 2024
- RESIST: **Coaching and mentoring** for assessment and feasibility services; deadline 1 November 2024
- SILEO: Open Call for **Travel Vouchers** to Italy to support the participation of SMEs operating in the **lighting and furniture sector** and **tech-savvy SMEs** in the SILEO **Hack Day event**; deadline 28 June 2024
- **All calls here:** <https://clustercollaboration.eu/open-calls>

Register for the next Talks

12 June

Transition Pathway for Tourism

19 June

Cluster management skills

26 June

Cluster policies in non-EU countries

10 July

Transition Pathway for Chemicals

Continue the discussion



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THANK YOU

