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

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Scope

The Communication:

- summarizes current **challenges / barriers** for biotechnology and biomanufacturing → 8
- examines several **opportunity areas** → 8
- proposes **actions** to address these challenges in a timely manner → 8

- explores ways to foster engagement and collaboration, including through international dialogue and cooperation

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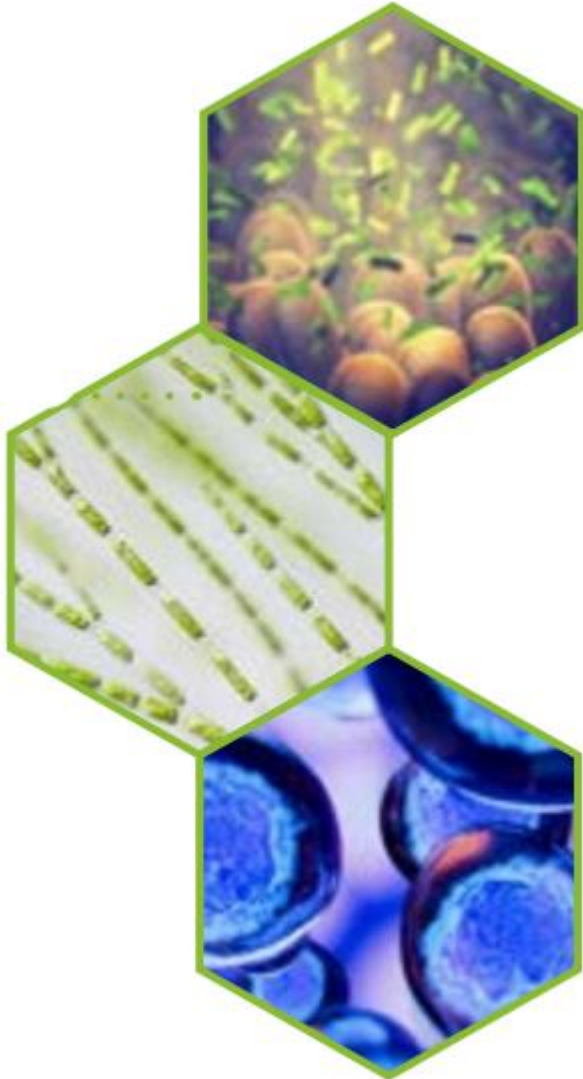


Challenges

1. Research and technology transfer to the market
2. Regulatory complexity
3. Access to finance
4. Skills
5. Value chain obstacles
6. Intellectual property
7. Public acceptance
8. Economic security



Opportunity areas to address challenges



1. Leveraging research & boosting innovation
2. Stimulating market demand
3. Streamlining regulatory pathways, including permitting and autorisation
4. Fostering public and private investments
5. Strengthening biotech-related skills
6. Developing standards (to facilitate market access and innovation, guiding policies, benchmarks for quality, safety and sustainability)
7. Collaboration and synergies
8. Fostering engagement and international cooperation

Targeted actions



Simplified regulatory framework and faster access to market

- Launch a study analysing how biotech legislation could be further streamlined. This study could lay the foundations for a possible EU Biotech Act.



Better support for scale-up and ease of navigating regulations

- Establish an EU Biotech Hub to help companies navigate through the regulatory framework and identify support to scale up, by end 2024.



Accelerate the uptake of AI in biotechnology together with stakeholders

- Support structured exchanges with businesses and industry in biotech and biomanufacturing in the context of the GenAI4EU initiative.
- Raise awareness of facilitated access to the EuroHPC supercomputers for AI startups and the science and innovation community.
- Support the development of advanced generative AI models for healthcare, leveraging data, existing tools and using EuroHPC supercomputing capacities.

Targeted actions



Encourage more investments

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- Launch a study to identify barriers and ways to support the consolidation of investment funding, by mid-2025.
- Advocate for the inclusion of biotech and biomanufacturing as part of the European Innovation Council accelerator Work Programme 2025.



Enable fair comparison with fossil-based products

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- Further develop methodologies to ensure a fair comparison between fossil-based and bio-based products, in 2025, including the review of the Product Environmental Footprint.



Foster a larger market for biotechnology and biomanufacturing

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- Deepen cooperation with international partners, such as the US, on biotechnology research, under the Science and Technology Agreements, by end 2024.



Review the EU Bioeconomy Strategy by end 2025

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- By taking into account the current societal, demographic and environmental challenges, reinforcing the bioeconomy's industrial dimension and its links to biotechnology and biomanufacturing to contribute to a stronger EU economy.

Thank you

More info on the Communication: [Actions to boost biotechnology and biomanufacturing in EU \(europa.eu\)](https://european-council.europa.eu/media/eu-communication-action-plan-2020-2025)