



European
Commission



BOOSTING BIOTECHNOLOGY AND BIOMANUFACTURING IN THE EU

March 2024

This Communication aims to unlock the full benefits of biotechnologies and biomanufacturing, which are crucial for the competitiveness and modernisation of EU industry and offer high growth and productivity potential. Here is how:



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.



Foster a larger market for biotechnology and biomanufacturing

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



Enable fair comparison with fossil-based products

- 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.



Encourage more investments

- 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.



Review the EU Bioeconomy Strategy by end 2025

- 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.



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.

EU-FUNDED PROJECTS SHOWCASING THE SUCCESS OF BIOTECHNOLOGY AND BIOMANUFACTURING IN THE EU



The **MIBIREM project** will develop a unique toolbox for highly efficient bioremediation environmental applications of microbiomes. It aims to remove contaminants from the environment through biotechnological application.



The **SABANA project** developed a large-scale integrated microalgae-based biorefinery that uses marine water and nutrients from wastewaters to produce biostimulants, biopesticides, feed additives, biofertilisers and aquafeed at industrial scale.



The **CELL-PID project** brought together world class researchers for primary immunodeficiencies, a group of rare chronic conditions. The project generated a biotech spinout company, licensing agreements, numerous patent applications and EU market approval for the first ex vivo stem cell gene therapy for a genetic disease.

