



FEDERCHIMICA  
ASSOBIOTEC

Associazione nazionale per lo sviluppo  
delle biotecnologie

## Assobiotec, the Italian Association for the Development of Biotechnology

Assobiotec is part of Federchimica, the Italian Federation of the chemical industry.

The Association represents **over 110** companies, science and technology institutes and parks operating in **healthcare and bioeconomy which includes agriculture, industry and environment.**

Assobiotec brings together a variety of enterprises and organisations, of different sizes and from different spheres of operation, all of which are strongly united by a propensity for innovation and by their use of biotechnology – a strategic stimulus for development in every industrial field.

## Network

Assobiotec is a founding member of **EuropaBio**, the European Association for Bioindustries, and of the ICBA, the **International Council of Biotechnology Associations.**

In Italy, through Federchimica, it is a founding member of **ALISEI** (the Italian National Cluster of Life Sciences) and of the **European Biosolutions Coalition.** It is an ongoing and active participant of the Italian National AgriFood Cluster **CLAN.**

## Vision

We want Italy, also through biotechnologies, could contribute to a **more sustainable and better future.** Biotech companies can offer concrete responses to some increasingly urgent needs in terms of public health, environmental conservation, food and agriculture, creating value, and fostering opportunities for economic and employment growth.

## Biotech for the Bioeconomy Area

Assobiotec operates thanks to the activities of the Working Groups, divided into Thematic Areas. Among these, the Biotech for the Bioeconomy Area. The Area acts to **develop the role of biotechnologies for a sustainable growth** and to **encourage the development of the circular bioeconomy in our country, even through biotechnologies.**

Among the **main topics:** fostering the development of biobased products & services on the market, promoting & accelerating market entry, green procurement, a proper labeling for bioproducts, the mapping of biomass availability and supply chains in Italy, a support for R&D Technology Transfer. Another goal is to create a favourable environment for the relaunch of innovation in agriculture. Particular attention is given to the field testing of NGT varieties and to the agricultural diagnostics.

# Biotechnologies for the Circular Bioeconomy and the Green Transition

**Sustainable development is the goal we must all strive for. Biotech can have a crucial role to reach this goal: it offers both instruments and products that can reconcile economic growth and respect for the Earth.**

Biotech is the innovation driver of the circular bioeconomy, a meta-sector that has already a significant impact on the national economy and that will impact the global markets even more in the future.

In 2023 the **bioeconomy in Italy** reached a turnover of 437,5 billion euros, employing around 2 millions people (source: "The Bioeconomy in Europe", Intesa Sanpaolo, SPRING Italian Cluster of Circular Bioeconomy, Federchimica Assobiotech, 2024). Looking at **Europe, bio-products and biofuels** represent approximately 57 billions euros of the annual turnover leading to the creation of at least 300 thousand jobs (source: European Commission).

According to McKinsey&Co a visible pipeline of **biological applications** could create approx. £ 1.8- 3.7 trillion of direct annual economic impact in 10 – 20 years. More than half of this being created outside the healthcare sector – through biosolutions.

Data that confirms the **great potential of these technologies also in terms of economic opportunities, growth and employment.**

The application of biotechnologies to the industry and to the environment offers the opportunity to adopt the **principle of "reducing, reusing, recycling"**, sustaining the **transition from a linear to a circular economy.**

Biotechnology industrial products represent instruments for a **lower environmental impact**, through the reduction of waste, raw materials and energy's consumption. Another advantage is to **make manufacturing activities more sustainable**: 8% of global CO<sub>2</sub> emissions can be reduced through bio-solutions.

For more information and to download the report 2024 "**The Bioeconomy in Europe**", Intesa Sanpaolo, SPRING Italian Cluster of Circular Bioeconomy, Federchimica Assobiotech (Italian version, English not available)



## Five reasons to join Federchimica Assobiotec

1. **Have an impact** on key opinion leaders and policy makers, offering a concrete contribution to the development of biotech sector at a national level.
2. **Receive support for the business development**, also through the exchange of good practices between associated companies
3. **Expand the network**, an essential condition to ensure the development of a biotech company
4. **Communication activities** on key issues through media and digital channels
5. **Participate in the Federchimica – Confindustria system**: a membership that enriches the offer of institutional representation, business services and consultancy on technical and regulatory aspects.

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