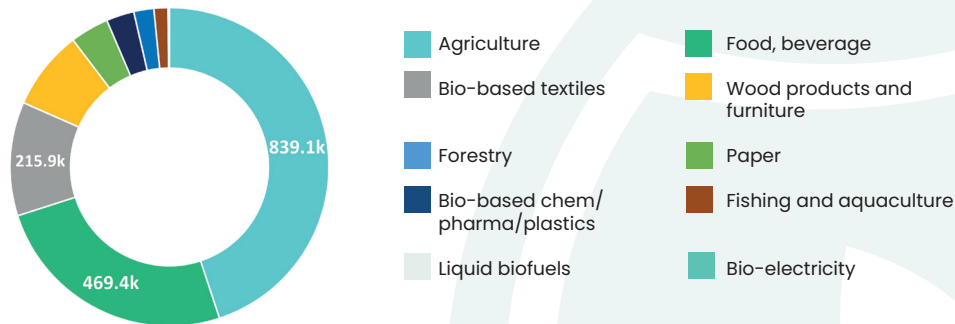


Italy is one of the strongest countries in Europe regarding bioeconomy activities. There is a specific strategy fully dedicated to the bioeconomy at national level, BIT (Strategia Italiana per la Bioeconomia- Italian Bioeconomy Strategy). Following an initial strategy in 2017 (BIT I), the current BIT II provides a national assessment and strategic framework for the deployment and development of the bioeconomy in the country. Bioeconomy plays a key role also in regional strategies and in regional Smart Specialisation Strategies.

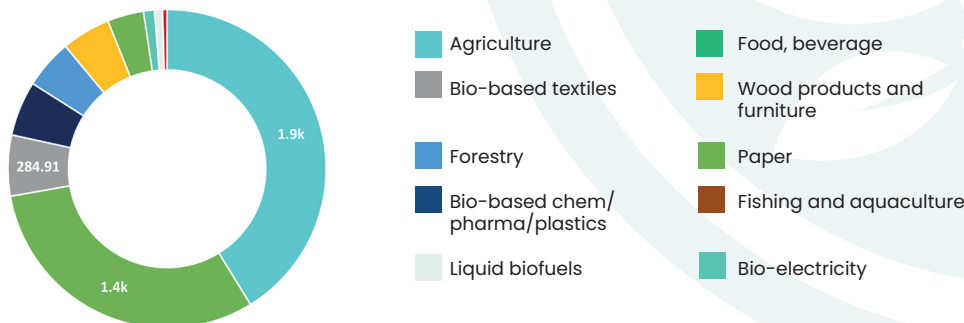
Bioeconomy: persons employed by sector

2020



Value added by sector (million €)

2020





Publication date
2019
(2020-2025)

Responsible authorities

Ministries of the University and Research, the Economic Development, the Agriculture, Food and Forestry Policies, the Environment, Land and Sea.



Italy Bioeconomy strategy
BIT II
Bioeconomy Italian Strategy II

Dominant sectors

Agriculture
Food, Feed and Beverages
Bio-based textiles
Paper

The BIT II strategy has recently been supplemented by the Implementation Action Plan (2020-2025) for the Italian bioeconomy strategy. A detailed action plan, including a series of relevant targeted actions which have been clustered into 4 main macro areas (policy/standards, pilot actions, regeneration of ecosystem services and stakeholder engagement). The pilot actions outlined at local level (rural, coastal and urban areas) prioritize the domains of agri-food, biorefinery, forestry, marine and maritime sectors, waste and waste waters.

Other related strategies

-  National Biodiversity Strategy (2010)
-  Strategic action plan on innovation & research in agriculture, food and forestry sectors (2015)
-  National Smart Specialisation Strategy (SNSI) (2016)
-  Sustainable Development National Strategy (2017)
-  Towards a Model of Circular Economy for Italy (2017)

Policy instruments



National Smart Specialisation Strategy (NSSS)

Identifies long-term investment priorities in collaboration with the Regions and main stakeholders, ensuring complementarity between the actions planned at central and territorial level, reducing redundancy and strengthening impacts.

Directive (EU) 2015/720



One of the achievements of the Italian strategy was the institutionalization at the European level, in the form of Directive (EU) 2015/720, of Italy's pioneering ban on plastic bags to the benefit of biobased alternatives.

Law 145/2018- Tax credit For purchases of products from recycling



Effective Jan. 1, 2019, this law provides a tax credit, up to 36 % of expenses incurred, to companies that purchase products made from plastic waste, or packaging made from materials recycled paper, plastic and aluminum or biodegradable packaging.

Ministerial Decree 264 of Oct. 13. 2016- Elenco Produttori e Utilizzatori di Sottop



Addresses support to rural areas, like measures to increase employment, digitalization, improvement of human resources, including bioeconomy sectors.

Bioeconomy in Italy

Collaborative structures

BLUMED

The BLUEMED Initiative aims to advance a shared vision for a more healthy, productive, resilient, better known and valued Mediterranean Sea, promoting the citizens' social well-being and prosperity, now and for future generations, and boosting economic growth and jobs

CL.A.N.- Cluster Agrifood Nazionale, "Agrifood National Cluster"

The aim of the cluster is to promote sustainable economic growth of the Italian agrifood sector, based on research and innovation, increase the competitiveness and potential of SMEs also at the international level.

SPRING (Sustainable Processes and Resources for Innovation and National Growth)

SPRING's roadmap, brings together regional, national and European institutions which the Cluster, considered as key partners for achieving the long-term objectives related to the transition towards a concept of "Sustainable Regions" and presents the main innovation breakthrough for Italian Biobased Industries.

Fabbrica Intelligente- "Intelligent Industry"

The National Technology Cluster «Fabbrica Intelligente» is a recognized association with the goal of implementing a strategy based on research and innovation for the competitiveness of Italian manufacturing, building, stakeholder involvement

SUN- Italian network on Industrial symbiosis

ENEA has championed the establishment of Italy's first industrial symbiosis network, SUN - Symbiosis Users Network, which currently brings together 39 partners including universities, political institutions, research organizations, private companies, technology networks and local authorities. The SUN network aims to be an Italian reference for operators who want to apply industrial symbiosis, at the industrial, research and territorial level

Showcase

National flagship project SO.Fi.A.

The Agrifood Cluster has made an important contribution to the Bioeconomy through the national flagship project SO.Fi.A. (Sustainability of the food chain) in terms of:

- Valorisation of dairy by-products, especially cottage cheese residues (scotta) and whey to recover their bio-molecules.
- Strategies for the re-use and valorisation of waste from the beef processing. The production of new foods (the flakes of bone for gelatine, tallow and food proteins) and non-food products food (tallow and animal meal for the production of energy and shaved skins) to be used in various industries nationally and international level, represents the ultimate goal set by the project.
- New solutions for the efficiency of fresh-cut processes of vegetables and the valorisation of residual biomass. Within So.Fi.A. new technologies for reducing the production of residual biomass using an integrated drying process and associated with energy recovery devices.