

***IL MARE IN AZIONE. LE NUOVE TRAIETTORIE BLU***

***Roma, 19 Marzo 2024***

# **LA BIOECONOMIA BLU E LA SUA RILEVANZA NAZIONALE ED INTERNAZIONALE**

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# Blue Bioeconomy: main challenges and opportunities



**About 8,000 km of coastline**

**~ € 52,4 Billion €/y**  
**~ 914,000 jobs**  
**~20% due to**  
**Bioeconomy**

*After: Unioncamere, 2023*

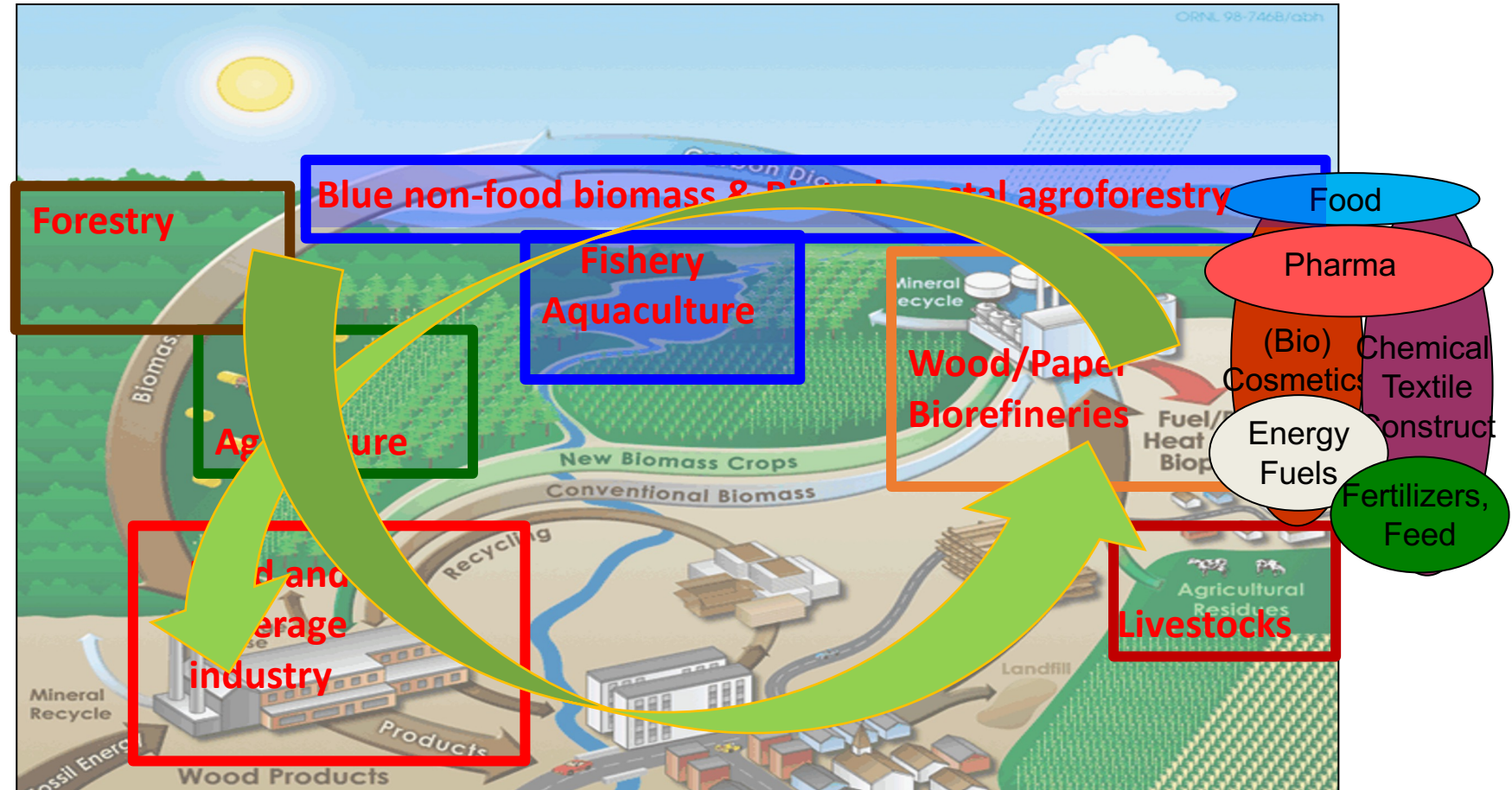
## **Problems:**

- ❑ Unsustainable fishery and fish reproduction highly affected by climate changes;
- ❑ Market with fish imported from areas with uncertain regulations/monitoring;
- ❑ Sea pollution (due to chemicals, litter, etc), presence of invasive species;
- ❑ Coastal urbanization, over- and un-sustainable exploitation of beaches.

## **Needs, Opportunities:**

- ❑ marine aquaculture (also off shore) and multi-trophic aquaculture;
- ❑ local marine biodiversity and bioenergy potential;
- ❑ agroforestry, cultural heritage, ecosystem restoration and services at the land/sea interface.

# The European and Italian Bioeconomy landscape....



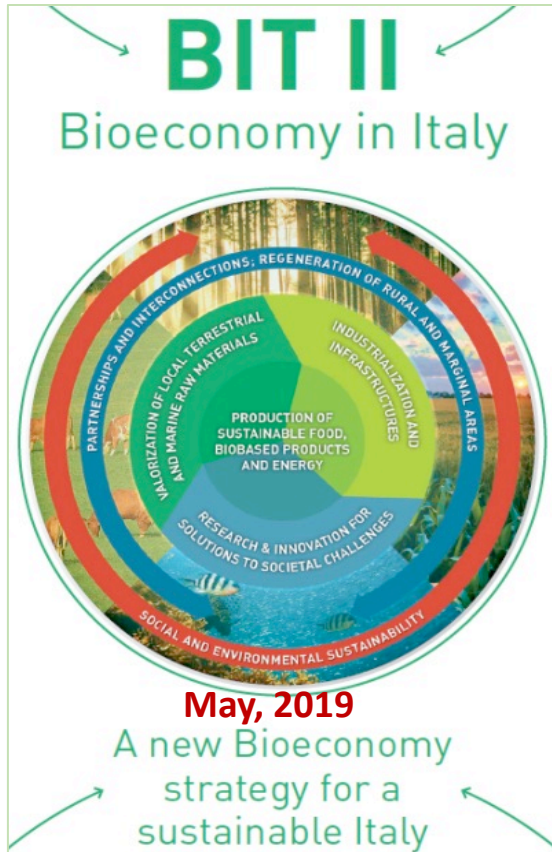
**Italy:** ~335 Bln €/y, ~2.0 Mln of jobs (2018); ~415 Bln €/y, ~ 2.00 Mln of jobs (2022)\*\*;  
**In EU:** 3<sup>rd</sup> turnover/jobs, 2<sup>nd</sup> as presence in H2020SC2 & BBIJU funded projects,  
 1<sup>st</sup> Biodiversity richness and number of high quality products (DOP, IGP, etc) on markets

Environmental and social benefits, for sustainable/regenerative/inclusive growth

\*\*<https://group.intesasanpaolo.com/it/research/research-in-primo-piano/ricerche-tematiche/2023/9--rapporto-la-bioeconomia-in-europa>

# IT Bioeconomy strategy (BIT II, 2019) & Implementation Action Plan (2020)

## "National Bioeconomy Coordination Board" CNBBSV, Presidency Council Ministers, Rome



[http://cnbbsv.palazzochigi.it/media/1774/bit\\_en\\_2019\\_02.pdf](http://cnbbsv.palazzochigi.it/media/1774/bit_en_2019_02.pdf)

Composition (PdC 2016, decree 2021):

- Ministry of Agriculture....;
- Ministry of University & Research;
- Ministry of industrial Dev...;
- Ministry of Environment;
- Ministry of Education.
- X and XI Conferences of Regions & autonomous Provinces;
- *Italian Agency territorial cohesion; SVIMEZ;*
- Institute for Environmental Protection and Research;
- Italian Technology Clusters: Circular Bioeconomy (SPRING) , AgriFood (CLAN), BlueGrowth (BIG), Forestry and Wood

## IMPLEMENTATION ACTION PLAN (2020-2025) FOR THE ITALIAN BIOECONOMY STRATEGY BIT II



**January, 2021**

Presidenza del Consiglio dei Ministri  
**CN BBSV**

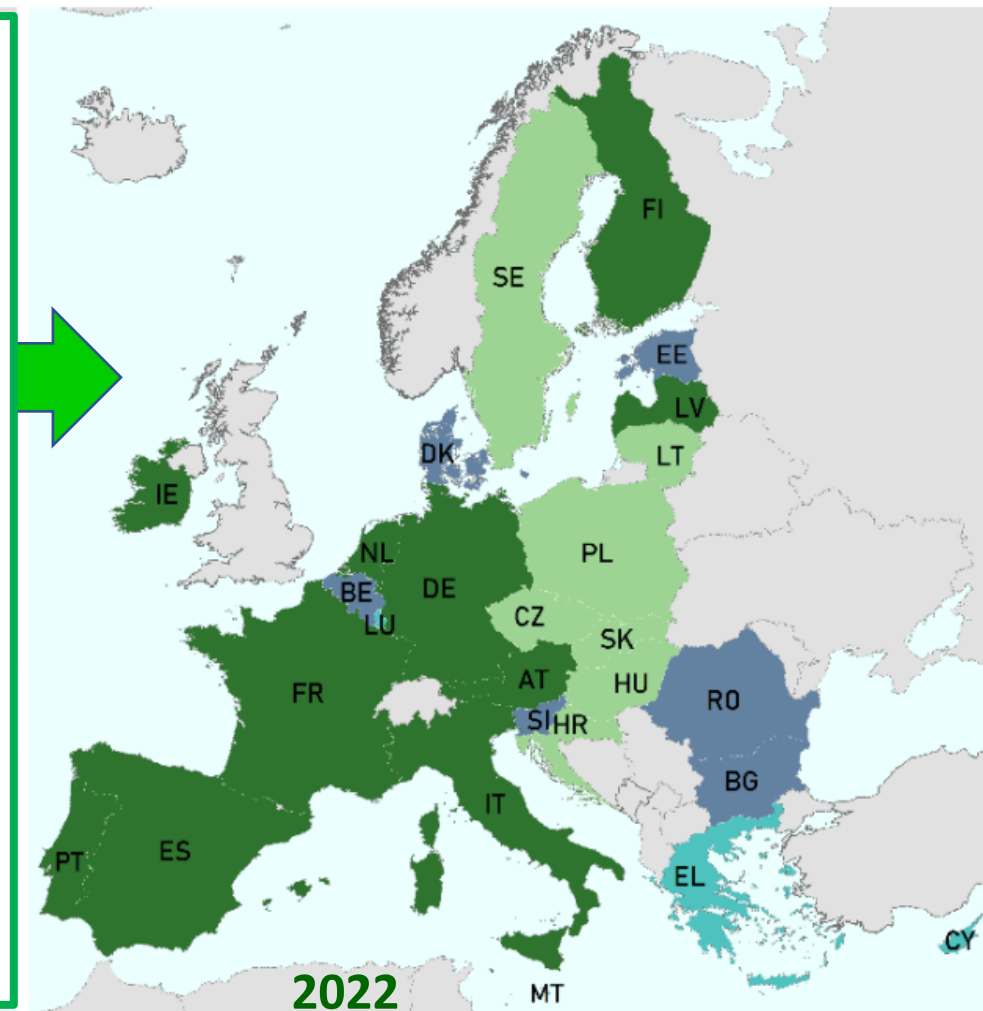
<http://cnbbsv.palazzochigi.it/en/areas-of-work/bioeconomy/strategies-and-implementation-action-plan/>

<http://cnbbsv.palazzochigi.it/en/areas-of-work/bioeconomy/>

# The national Bioeconomy strategies in Europe

## Status of the national bioeconomy policies in the EU-27

- **11 Member states** with dedicated bioeconomy strategies at national level (AT, DE, ES, FI, FR, IE, IT, LV, NL, PT)
- **6 MS** in the process of developing their respective dedicated national strategies (CZ, HR, HU, LT, PL, SK)
- **7 MS** are involved in other macro-regional (BG, DK, EE, RO, SI, SE) or sub-national (BE) policy initiatives dedicated to the bioeconomy.
- **4 MS** have bioeconomy related strategies (CY, EL, LU, MT)



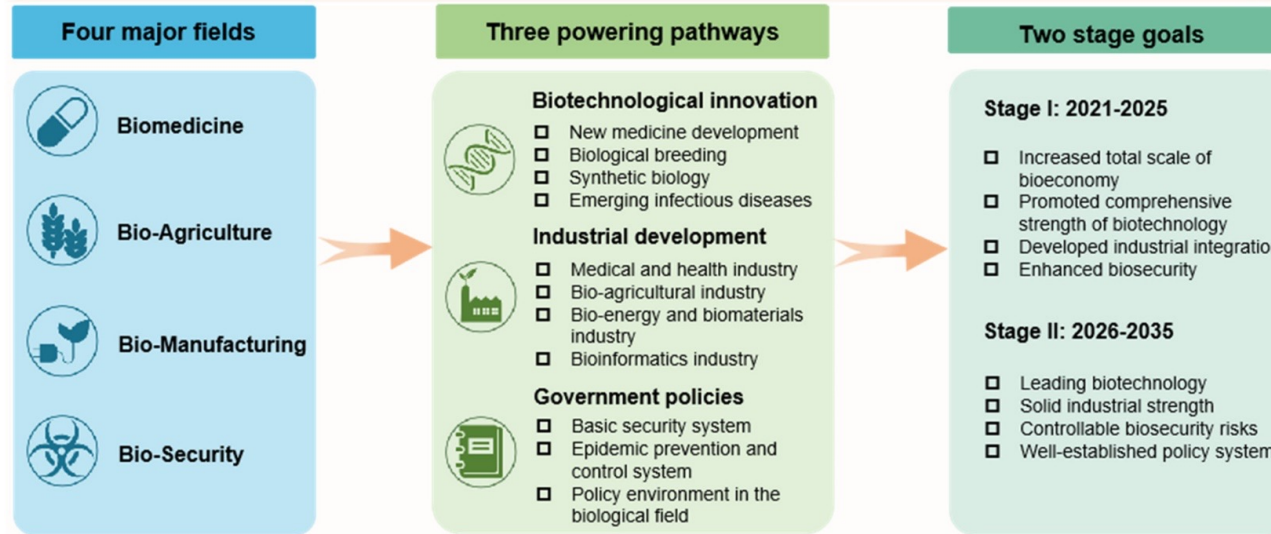
- Dedicated bioeconomy strategy at national level
- Dedicated bioeconomy strategy at national level under development
- Other policy initiatives dedicated to the bioeconomy
- Other related strategies at national level

Status before the adoption of the European Bioeconomy Strategy (left side) and in February 2022 (right side)

Source: European Commission's Knowledge Centre for Bioeconomy  
 Administrative Boundaries: © EuroGeographics © UN-FAO © Turkstat

# New international drivers for Biotechnology and Bioeconomy

## 14<sup>th</sup> Five-Year Plan for Bioeconomy Development



**1) May 2022-**  
<https://ietresearch.onlinelibrary.wiley.com/doi/full/10.1049/enb2.12026>

**2) Sept 2022- Executive Order on Advancing Biotechnology and Biomanufacturing Innovation for a Sustainable, Safe, and Secure American Bioeconomy**  
(<https://www.whitehouse.gov/briefing-room/presidential-actions/2022/09/12/executive-order-on-advancing-biotechnology-and-biomanufacturing-innovation-for-a-sustainable-safe-and-secure-american-bioeconomy/>)

**3) the EU Biotech and Biomanufacturing Initiative (2024) announced.. coming soon**

**4) 2024-G7 (Energy&Clima&Environment; Industry&Digital; Science&Technology)**  
(Italian Presidency) and **G20 Bioeconomy Initiative** (Brazilian Presidency)