



Recent developments in the EU Bioeconomy policy

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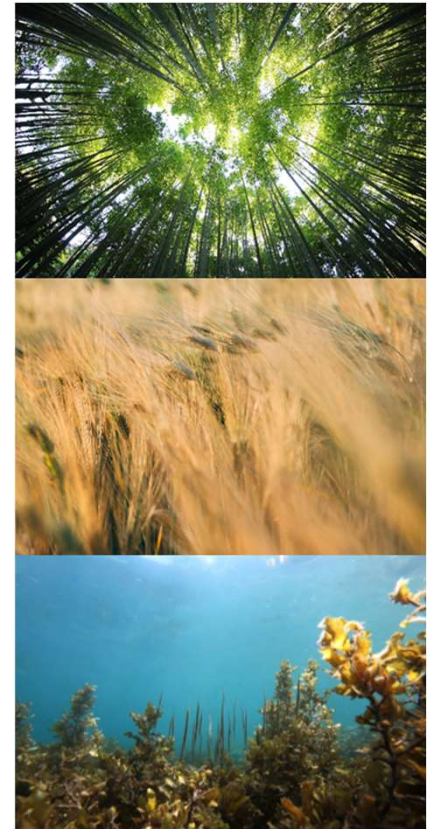
EU Bioeconomy Policy – Understanding

The Bioeconomy in the EU

EU's understanding of the Bioeconomy:

“All sectors and associated services and investments that produce, use, process, distribute or consume biological resources (animals, plants, micro-organisms, including organic waste), including ecosystem services”.

- Ecosystem **services** on land and sea
- Primary **production** systems - agriculture, forestry, aquaculture / fisheries – incl. **waste/side streams**
- Food, feed, fibre, **bio-based industry**, fuels and bioenergy





EU BIOECONOMY

European Commission's Knowledge Centre for Bioeconomy

EMPLOYMENT
(MILLION JOBS)
17.4

VALUE ADDED
(BILLION EUR)
657

	EMPLOYMENT (MILLION JOBS)	VALUE ADDED (BILLION EUR)	VALUE ADDED (SHARE TOT)
AGRICULTURE	8.8	193	29%
FORESTRY	0.5	25	4%
FISHING AND AQUACULTURE	0.2	6	0.9%
FOOD, BEVERAGES AND OTHER AGRO-MANUFACTURING	4.7	237	36%
BIO-BASED TEXTILES	0.8	25	4%
WOOD PRODUCTS AND FURNITURE	1.3	50	8%
PAPER	0.6	48	7%
BIO-BASED CHEMICALS AND PHARMA- CEUTICALS, PLASTICS AND RUBBER	0.5	65	10%
LIQUID BIOFUELS	0.03	3	0.5%
BIOELECTRICITY	0.03	5	0.8%

DATA 2019
EU-27



Source: based on Ronzon et al., 2022
https://data.ecropa.eu/967d7d5481_2d02-4b36-8e79-697604fa4278

A key sector of the EU's economy

- **8.3%** of the EU's workforce and **4.7%** of GDP
- Agriculture and the manufacture of food, beverage and tobacco provide **65%** of the total value added
- The bioeconomy's share in GDP (10.4% for EU-28 in 2020) + labor force is much higher, when including **bioeconomy services** (e.g. nature tourism, transport + trade of biobased goods, education and research)
- **High job creation potential**, in rural, coastal and urban areas, through the growing participation of primary producers and deployment of bio-based solutions

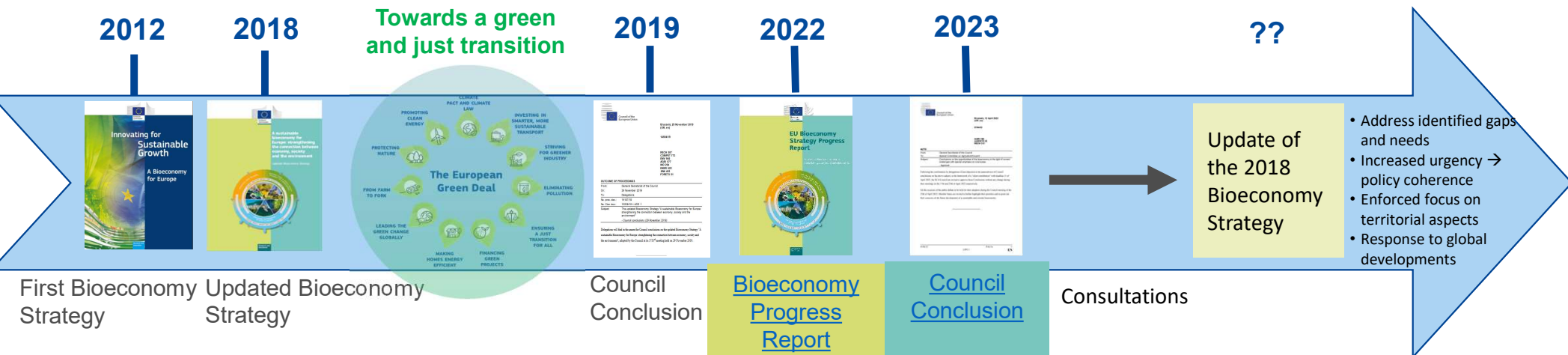
EU Bioeconomy Strategy

The EU Bioeconomy Strategy and Action Plan

- **SUSTAINABILITY and CIRCULARITY at its core**
- **SYSTEM-wide approach**
- **Policies across sectors, addressing trade-offs, co-benefits**
- **More than research & innovation**
- **Delivering for the citizens, in particular in rural areas**
- **A set of 14 well-defined actions including a monitoring system with clear indicators**



EU Bioeconomy Strategy

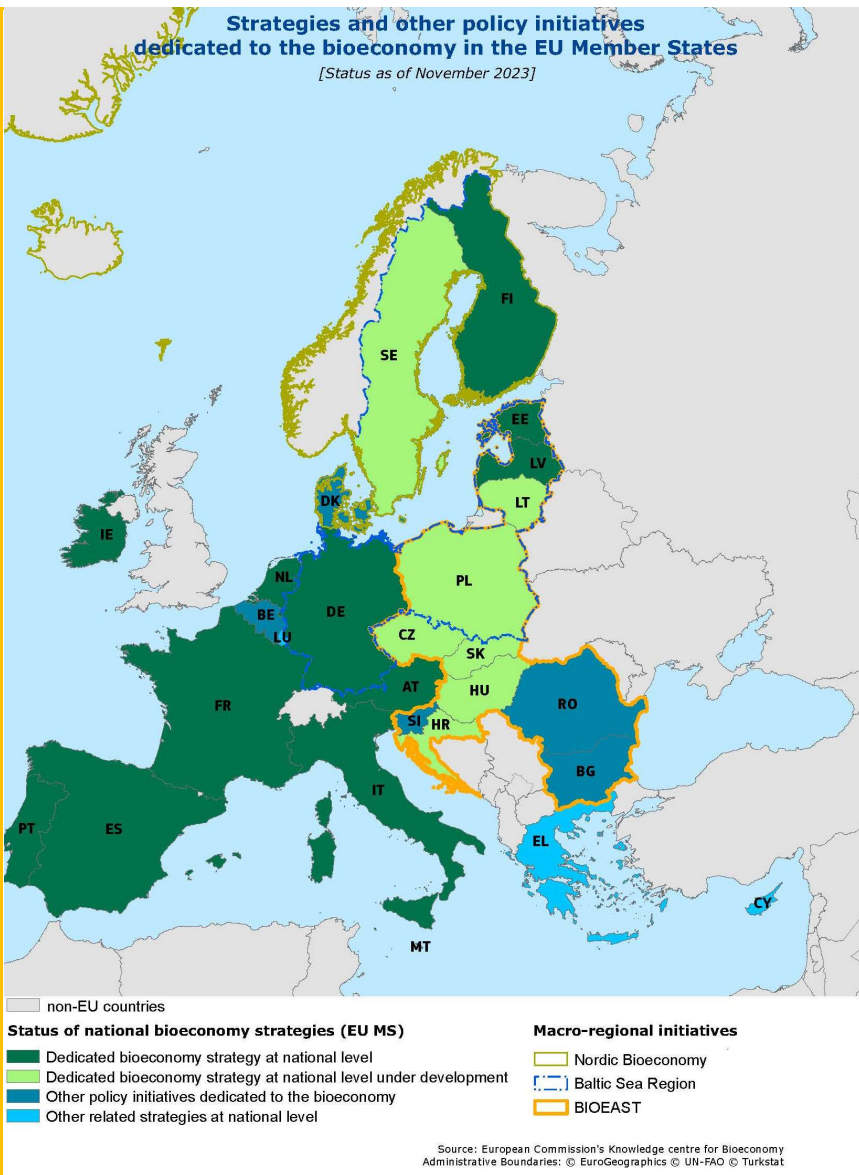


- Bioeconomy **contributes to the European Green** which enables sustainable and just transition pathways
- **Mainstreaming and up-scaling** of sustainable bioeconomy ever more important in view of the current food and energy price crisis
- **Possible additional focus identified**
 - **Biosphere stewardship strategy**: Focus on resolving multiple pressures on land and sea
 - **Consumption-based framework**: Focus on the overall consumption of biological resources

“On the opportunities of the bioeconomy in the light of current challenges with special emphasis on rural areas” (AgriFish Council 25/4/2023)

- EMPHASISES the **central role of bioeconomy** for climate, environment + achieving the objectives of the EGD and its strategies.
- Calls on the EC to **better integrate bioeconomy in all EU policies** and support the development of the bioeconomy across the whole value chain Invites to promote R&I activities in less active regions (widening)
- Calls on MS to deploy bioeconomy (strategy development and integration in other policies)
- Calls on the EC to present before the next strategic period [...] an **updated EU Bioeconomy Strategy and Action Plan**

Member State and Regional Initiatives

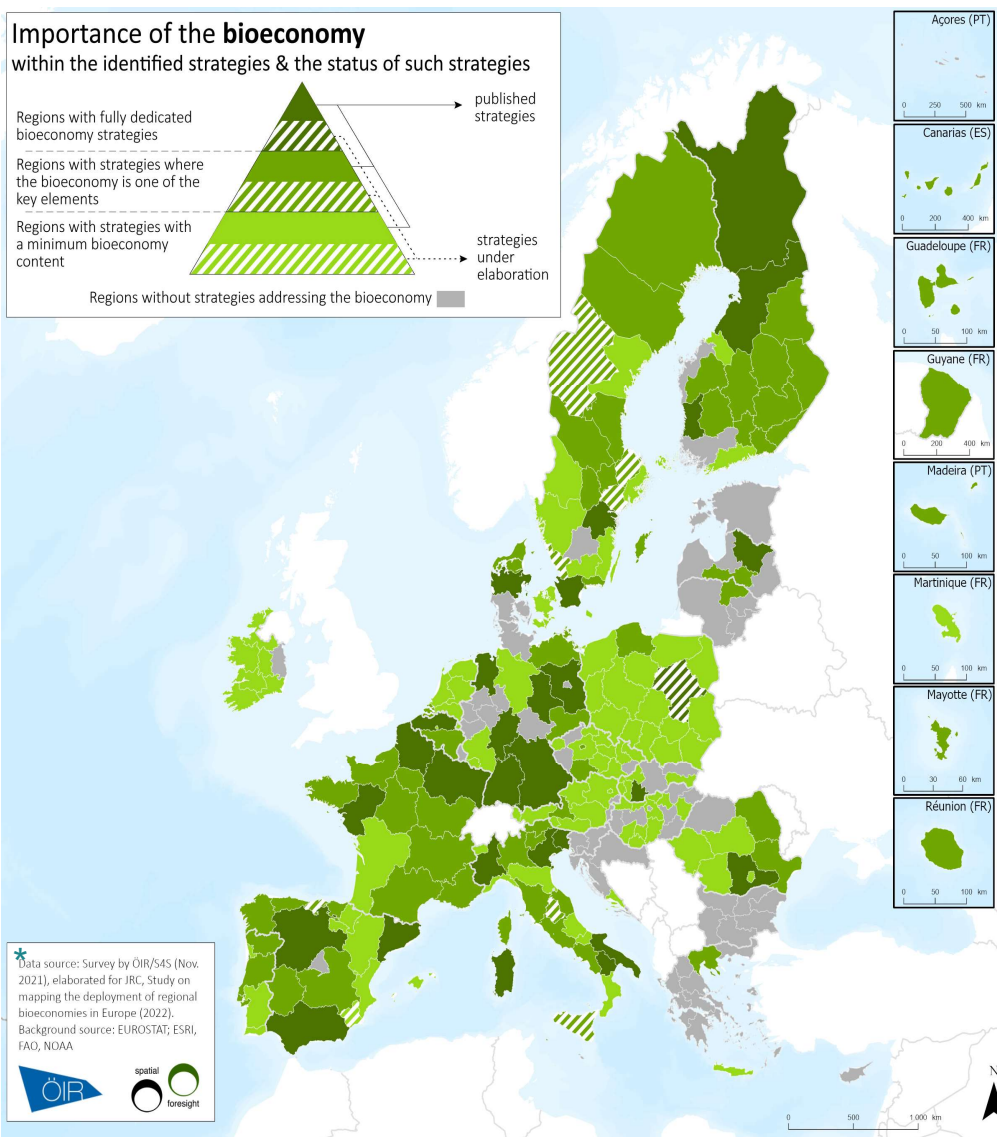


National bioeconomy strategies are becoming more numerous throughout Europe

As of Nov 2023:

- 11 Member States with national dedicated bioeconomy strategies (AT, DE, EE, ES, FI, FR, IE, IT, LV, NL, PT)
- 7 MS with a dedicated strategy under development (CZ, HR, HU, LT, PL, SE, SK)
- 5 MS involved in other macro-regional or sub-national policy initiatives (BE, BG, DK, RO, SI).
- 4 MS with bioeconomy related strategies (CY, EL, LU, MT).

https://knowledge4policy.ec.europa.eu/visualisation/bioeconomy-different-countries_en#ep_natstrat



Status of the regional bioeconomy policies in the EU-27 (as of Nov 2021)*

- **28 EU regions** have dedicated strategies developed and **1 region** under development.
- **68 EU regions** have adopted policies where bioeconomy is a key element while in **7 additional regions** such strategy is under development.
- **94 EU regions** have released strategies with a minimum bioeconomy content and in **2 regions** are still under development.

Concept Note on Regional Innovation Valleys for Bioeconomy and Food Systems (RIV4BFS)



- Supporting New European Innovation Agenda & its flagship action to create 100 Regional Innovation Valleys
- Thematic use case based on the Bioeconomy principles

Objectives:

- Scale and speed-up solutions in available technological areas for bioeconomy and food systems.
- Increase inter-connectedness among existing European regional innovation ecosystems with a focus on bioeconomy and food systems.
- Promoting a dialogue with member states and regions on potential and future funding for RIV4BFS valleys under ongoing/future NEIA or national and regional calls initiatives.



DETAILS in the concept paper: [Bioeconomy \(europea.eu\)](https://europea.eu)

R&I opportunities under Horizon Europe Cluster 6 for regions

Bioeconomy governance in Horizon Europe Work Programme 2023-2024

WP	Topic title	Type of action	Budget EUR
2023	Mobilising BIOEAST networks for the development of national bioeconomy action programmes in support of the European Green Deal	CSA	3,5 M
2023	Supporting the fair and just transition from GHG-intensive economies facing challenges towards circular bioeconomy model regions	CSA	2 M
2024	Demonstrating the fair and just transition from GHG-intensive economies facing challenges towards circular bioeconomy model regions	IA	6 M
2024	Bioeconomy project development assistance	CSA	3 M
2024	Circular bioeconomy start-up villages	CSA	2,5 M

2023 projects started, 2024 calls open from 17 October 2023 with a deadline for submission end of February 2024.

Co-creation of the Work Programme 2025 upcoming – your input welcome

Possible actions on widening countries, bioeconomy sustainability principles, regional bioeconomy metabolisms, bioeconomy networks



Bioeconomy

Youth

Ambassadors

The Voice of Youth



- Programme created in the context of 2022 EU Year of Youth initiative
- 15 Young Europeans raise awareness about bioeconomy and its opportunities amongst young citizens
- Podcast series launched on bioeconomy, called “Bioeconomy Matters”
- Currently drafting a Bioeconomy Youth Vision to be presented at Bioeconomy Changemakers Festival

BIOECONOMY CHANGEMAKERS FESTIVAL

Youth as driver
of transformative change

13-14 March 2024

© European Union, 2024



Bioeconomy Changemakers Festival will take place between 11 and 17 of March 2024 in various locations across the EU:

- **high-level event** in Brussels, on 13-14 March 2024
- **more than 30 satellite events**, all over Europe

Festival aims to:

- Give voice to youth and changemakers on how to move towards a sustainable and circular bioeconomy
- Help the Commission to gather views on an update of the Bioeconomy Strategy and Action Plan

Registration open: <https://register.event-works.europa.eu/dgrtd/BioChangeFest2024/e/lk/k/>



Thank you



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