

Go-GRASS Final Event

Policy development in bioeconomy

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Unit Green Transitions**

**Brussels
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Conclusions – The **EU Bioeconomy**

- Is based on **holistic perspective**, with **sustainability at the center** and allows to **identify win-win-win solutions, and resolve trade-offs**, to address multiple objectives (e.g. food security, mitigation/adaptation to climate change, nature positive solutions, strengthening European competitiveness and creating jobs/leaving no one behind)
- It is an important **problem solver** to meet the high ambition of the European Green Deal
- **It is a key complement to the circular economy** (e.g. by offering solutions the “defossilization” of the chemical industry, the greening of EU industry, often with local-scales and social engagement)

Horizon Europe, Cluster 6, CBE JU

- provides many opportunities in support of the circular bioeconomy, bio-based innovation, and the environment and is a **key enabler for the European Green deal**






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 PHARMACEUTICALS, PLASTICS AND RUBBER	0.5	65	10%
	LIQUID BIOFUELS	0.03	3	0.5%
	BIOELECTRICITY	0.03	5	0.8%

A key sector of the EU's economy

- Based on this definition the **bioeconomy is an important sector in the EU: 8.3%** of the EU's workforce and **4.7%** of GDP; agriculture and the manufacture of food, beverage **65%** of the total value added
- The **bioeconomy's share in GDP is much higher** (10.4% for EU-28 in 2020), when including **bioeconomy services** (Ronzon WUR 2023)
- **High innovation potential** for sustainable / new biobased products through **biomanufacturing** (e.g. textiles, packaging, cosmetics, building material and services e.g. carbon farming)
- **High job creation potential**, in rural and coastal areas, through the growing participation of primary producers and deployment of bio-based solutions

The updated EU Bioeconomy Strategy (2018)

- **Key principles:**
 - Sustainability, circularity, cross-sectoral/holistic
- **Three priorities:**
 - Strengthening the **bio-based sectors**
 - **Deploy local bioeconomies**
 - Understand the **ecological boundaries**/ protect the biosphere
- A set of **14 well-defined actions**

1

STRENGTHEN AND SCALE-UP THE BIO-BASED SECTORS, UNLOCK INVESTMENTS AND MARKETS

-  Mobilise stakeholders in development and deployment of sustainable bio-based solutions
-  Launch the EUR 100 million Circular Bioeconomy Thematic Investment Platform
-  Analyse enablers and bottlenecks for the deployment of bio-based innovations
-  Promote and develop standards, labels and market uptake of bio-based products
-  Facilitate the development of new sustainable biorefineries
-  Develop new biodegradable products, including bio-based plastic substitutes





2

DEPLOY LOCAL BIOECONOMIES RAPIDLY ACROSS EUROPE

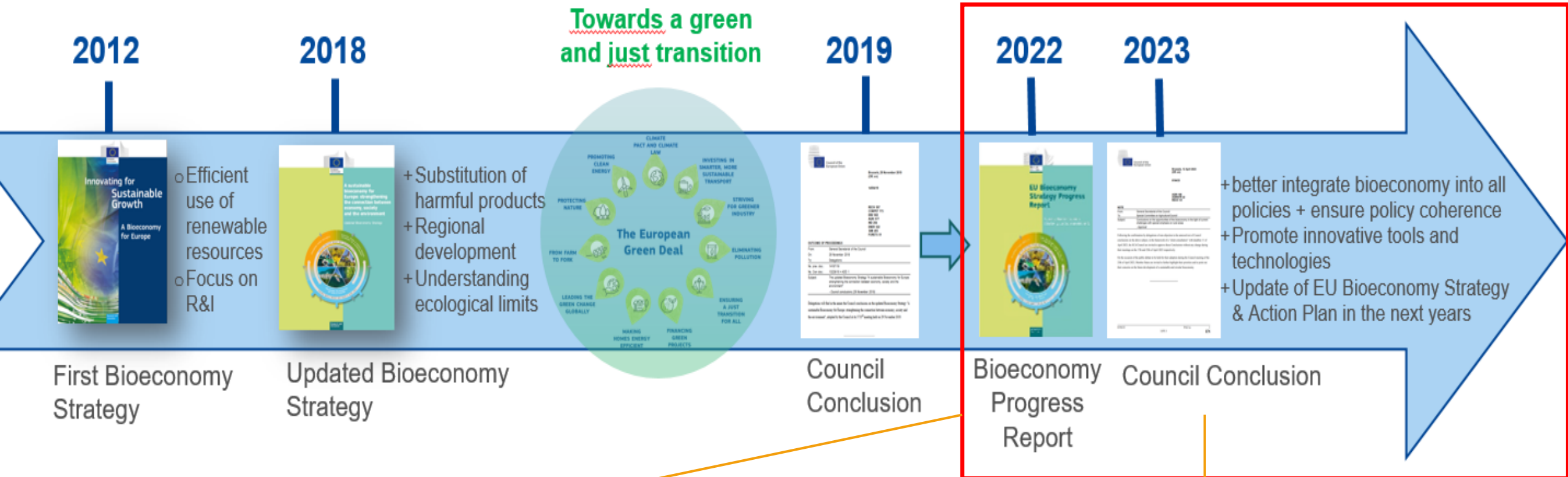
-  Launch a Strategic Deployment Agenda for sustainable food and farming systems, forestry and bio-based products
-  Launch pilot actions for the development of bioeconomies in rural, coastal and urban areas
-  Support regions and Member States to develop Bioeconomy Strategies
-  Promote education, training and skills across the bioeconomy

3

UNDERSTAND THE ECOLOGICAL BOUNDARIES OF THE BIOECONOMY

-  Enhance knowledge on biodiversity and ecosystems
-  Monitor progress towards a sustainable bioeconomy
-  Promote good practices to operate the bioeconomy within safe ecological limits
-  Enhance the benefits of biodiversity in primary production

The EU Bioeconomy Strategy



First Bioeconomy Strategy

Updated Bioeconomy Strategy

Council Conclusion

Bioeconomy Progress Report

Council Conclusion

Possible additional focus:

1. Biosphere stewardship strategy

Focus on resolving multiple pressures on land and sea

2. Consumption-based framework

Focus on the overall consumption of biological resources

Council Conclusions (April 2023)

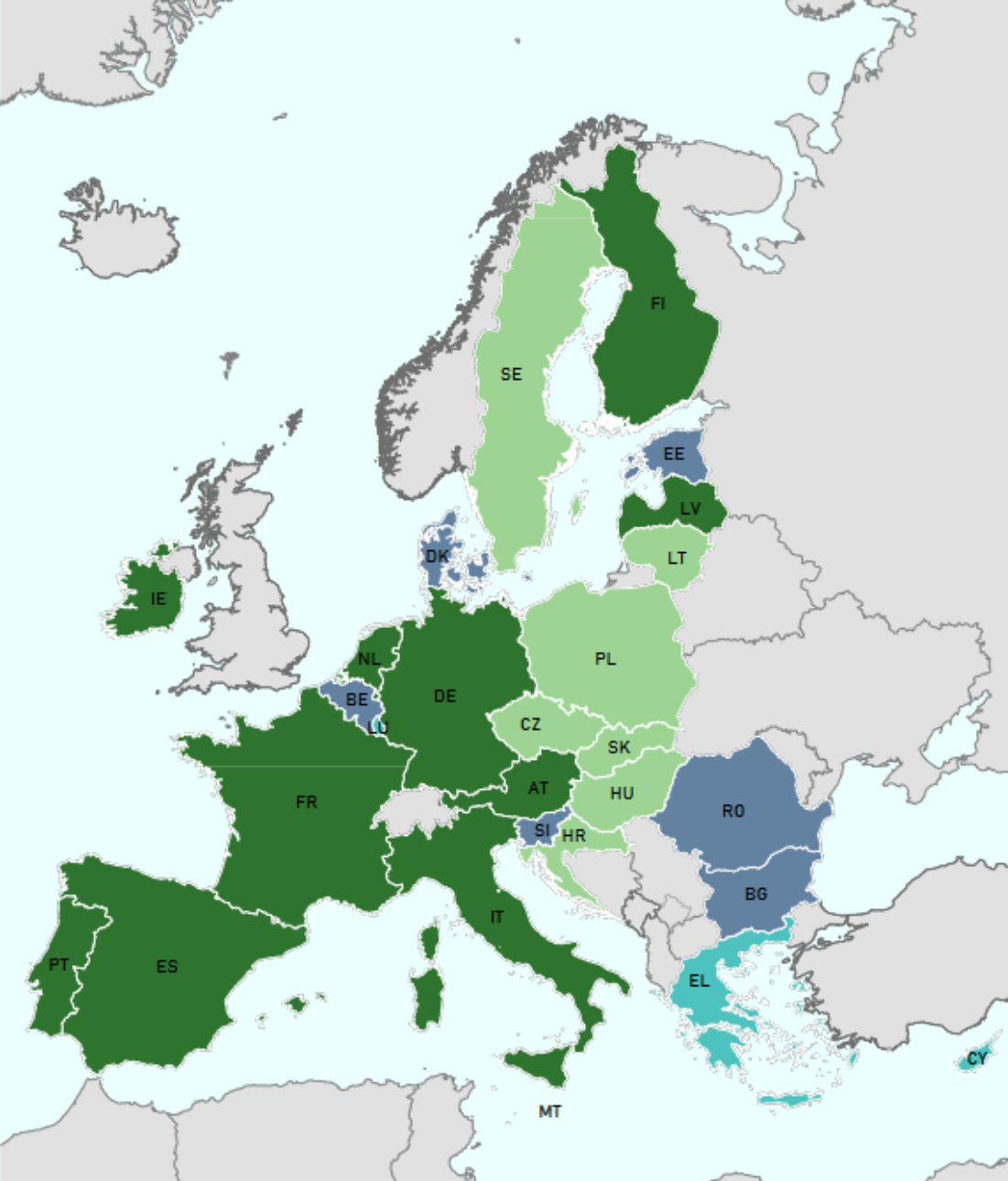
On the opportunities of the bioeconomy in the light of current challenges with special emphasis on rural areas

Calls on the Commission to present an updated Bioeconomy Strategy and Action Plan, 'before the next strategic period'

Status of the national bioeconomy strategies in the EU-27

(as of Dec 2022)

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

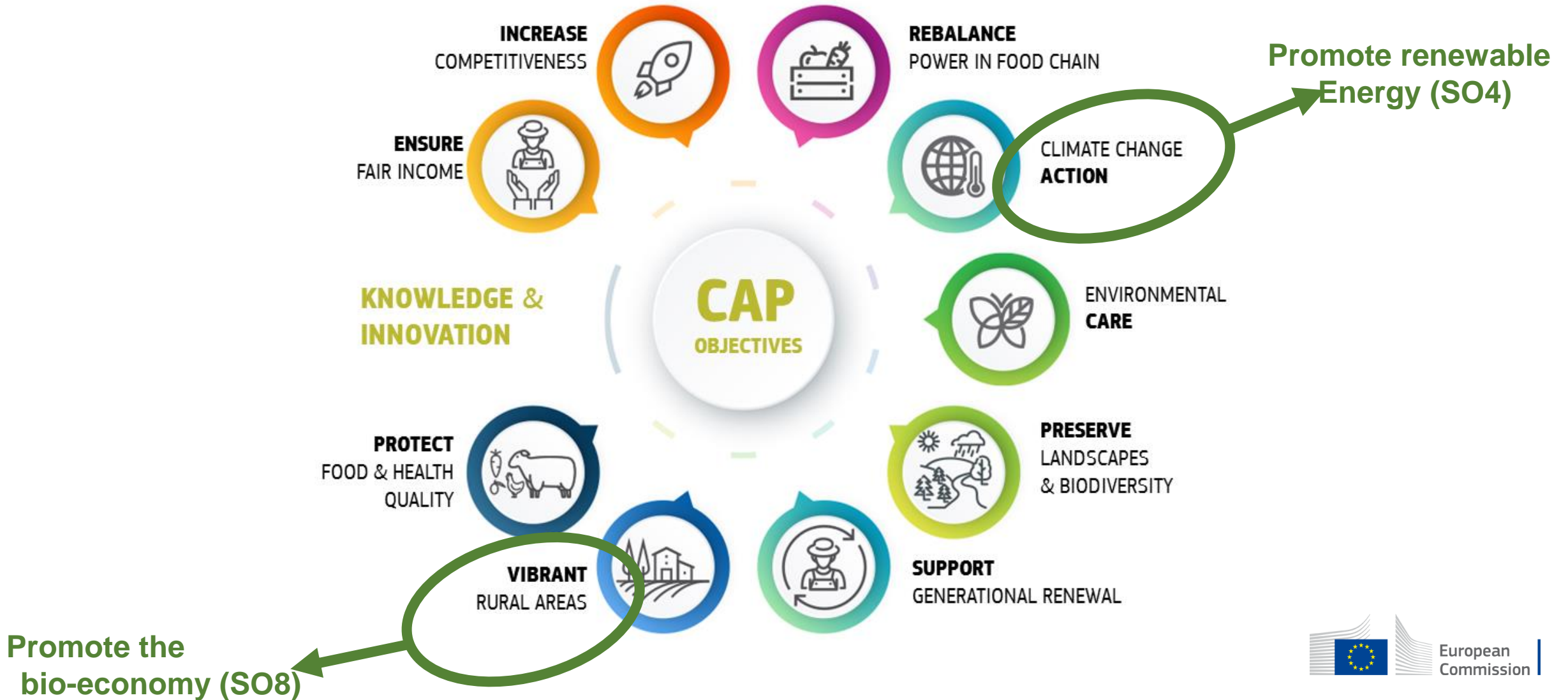


Status of national bioeconomy strategies:

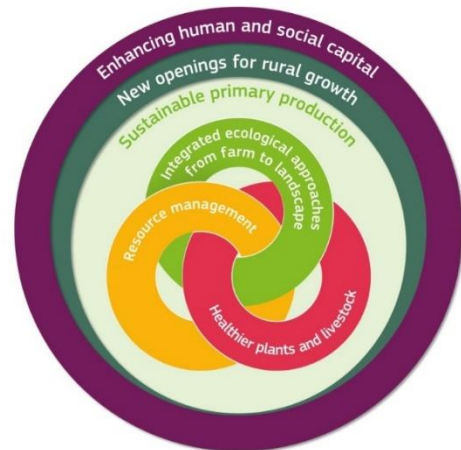
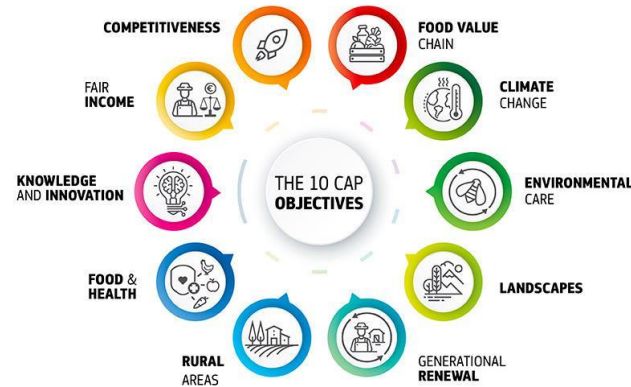
- Dedicated bioeconomy strategy at national level
- Dedicated bioeconomy strategy at national level under development
- Other policy initiatives dedicated to the bioeconomy
- Other related strategies at national level

Source: EC's Knowledge Centre for Bioeconomy
Administrative Boundaries:
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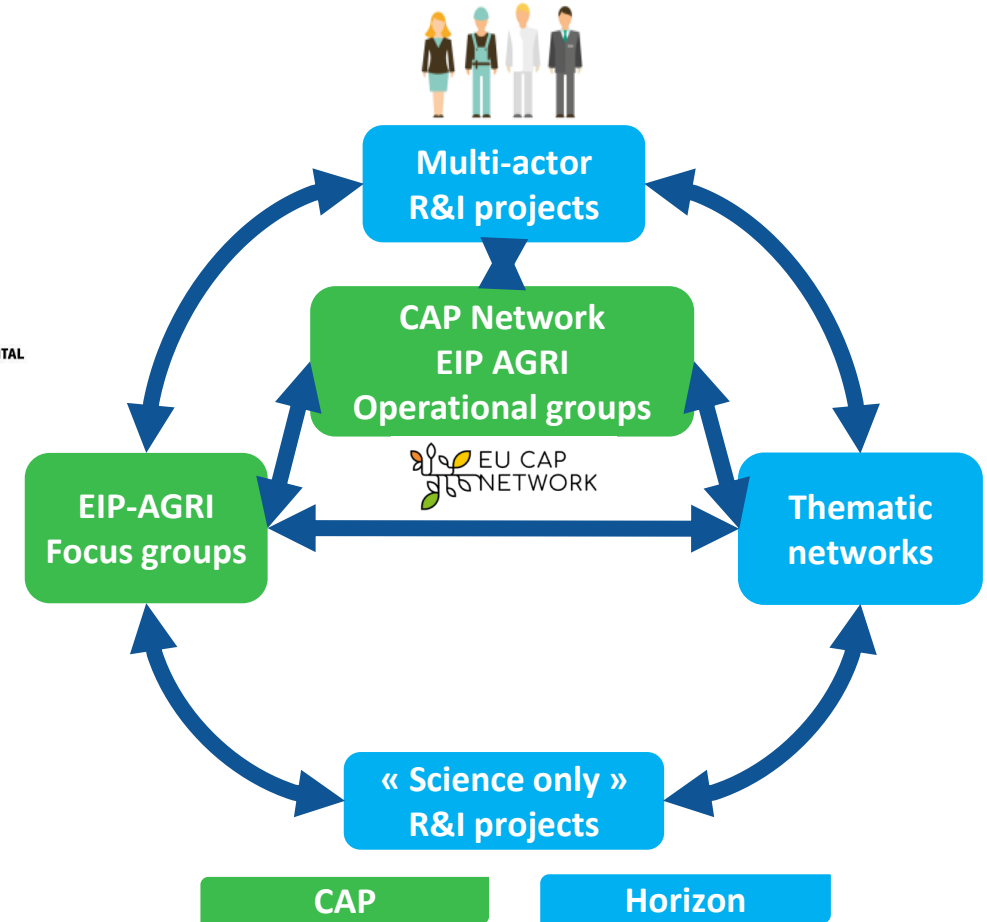
CAP Objectives & Bioeconomy



R&I for farmers, foresters and rural entrepreneurs



Horizon Europe



Biotechnology and biomanufacturing in the EU: current focus

- New legislative proposal on plants produced by certain **New Genomic Techniques** (5/7/2023), balance between precautionary and innovation principle – **negotiation ongoing**
- STEP (**Strategic Technologies for Europe Platform**): proposal of the Commission (6/2023), to reinforce funding mechanisms for **key technologies** including clean tech & **biotechnology / biomanufacturing**
- **President von der Leyen**, State of the Union Speech (9/2023): An economy that works for people, Action - **EU Biotech and Biomanufacturing Initiative – in preparation (by March 2024)**



Circular Bio-based Europe Joint Undertaking <https://www.cbe.europa.eu/>

- **EUR 2 billion** institutionalized European **partnership** between the [European Union](#) and the [Bio-based Industries Consortium \(BIC\)](#) that funds projects advancing competitive circular bio-based industries in Europe
- Operating under the rules of [Horizon Europe](#), for the 2021-2031 period. The partnership is building on the success of its predecessor, the [Bio-based Industries Joint Undertaking \(BBIJU\)](#), while addressing the current challenges facing the industry.
- **Objectives:**
 - Accelerate the **innovation process** and development of bio-based innovative solutions
 - Accelerate **market deployment** of the existing mature and innovative bio-based solutions
 - Ensure a high level of **environmental performance** of bio-based industrial systems

Annual Work Programmes:

AWP 2022 (120 M EUR),

AWP 2023 (215.5 M EUR),

AWP 2024 (213 M EUR) – **published, open 24 April 2024, deadline 18 September 2024. INFO DAY 23 April Brussels and online**

AWP 2025 – in preparation

About the event

[Download the Agenda](#)

Please register for the hybrid high-level event of the Bioeconomy Changemakers Festival (13 – 14 March 2024).

This registration is **mandatory** if you want to attend the high level event, either **in-person** or **online** (the event will be streamed from this platform).

NOTE 1: Places for in-person attendance are limited, therefore the European Commission reserves the right to reject applications, striving for balanced attendance.

NOTE 2: Be aware that as part of this registration, you can be asked to create an EU Login-account. EU Login is the European Commission's user authentication service. It allows authorised users to access a wide range of Commission web services, using a single email address and



The poster features a vibrant orange and yellow background. On the right, a circular graphic shows a globe with a cityscape and a farm on top, connected by white arrows forming a cycle. The text 'BIOECONOMY CHANGEMAKERS FESTIVAL' is prominently displayed in white. Below it, 'Youth as driver of transformative change' is written in red. The dates '13-14 March 2024' are in white. Logos for the European Commission and 'be EU' are at the bottom. A 'Back to top' link is in the bottom right corner of the graphic area.

**BIOECONOMY
CHANGEMAKERS
FESTIVAL**

Youth as driver
of transformative
change

13-14 March 2024

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European Commission | be EU

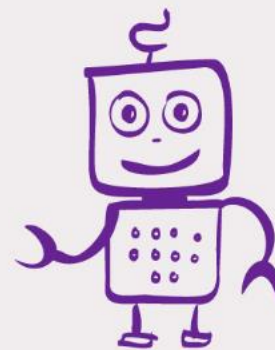
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Bioeconomy Changemakers Festival

EUROPEAN RESEARCH & INNOVATION DAYS

20 → 21
MARCH 2024

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