



# Horizon Europe Cluster 6 priorities for circular bioeconomy

BIOEast event

Public and private finance for mobilizing innovative projects

28 April 2022

Tomasz Calikowski

Research and Innovation – Healthy Planet  
Circular Economy and Bio-based Systems

# The 2018 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**



# Objectives of the 2022 **Bioeconomy Progress Report**

*Reporting on the progress of the implementation of the 2018 EU Bioeconomy Strategy, as well as the general progress of the bioeconomy in Europe.*

*Framing the bioeconomy within the new policy context, e.g. the European Green Deal.*

*Publication expected: April – May 2022*



# Bioeconomy Conference

*High-level **Bioeconomy Conference** in Brussels to present the Progress Report*

**6-7 October 2022**





”

*"The European Green Deal is Europe's Man on the Moon Moment"* December 2020

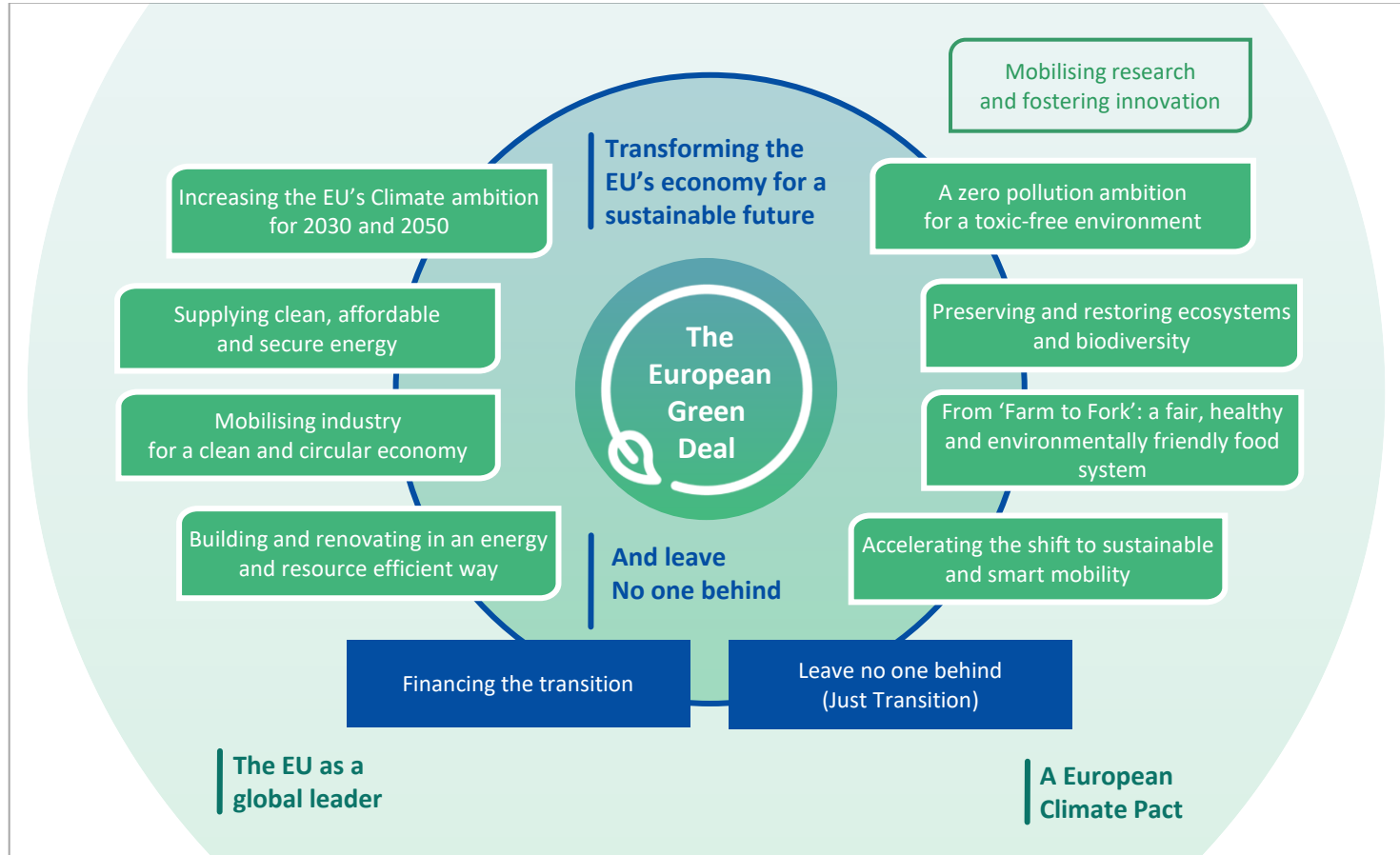
*"The fossil fuel economy has reached its limits!"* July 2021

#EUGreenDeal

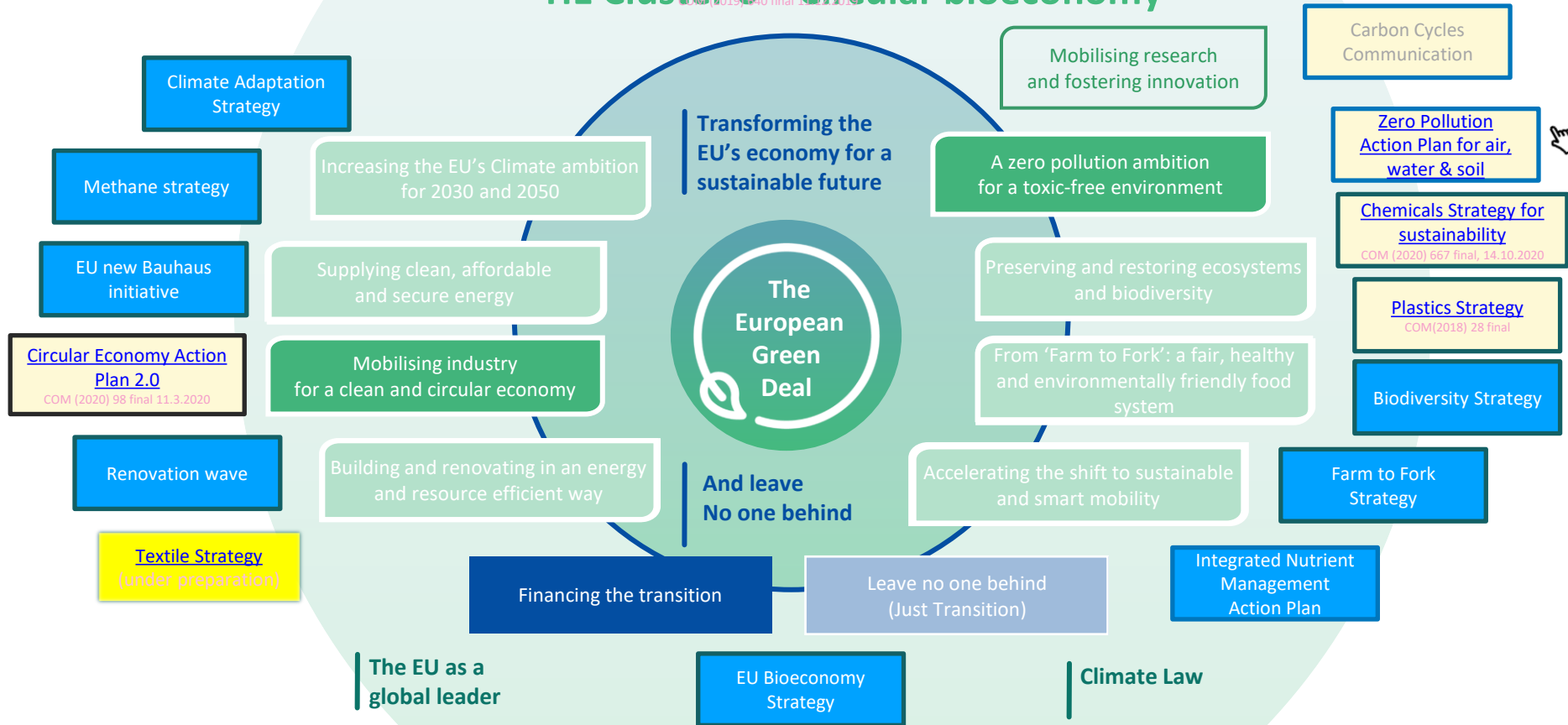


European  
Commission

# The European Green Deal



# The European Green Deal policy landscape and HE Cluster 6 – Circular bioeconomy





“ *With its potential to connect and implement transformative policies holistically, the bioeconomy will contribute to all dimensions and objectives of the European Green Deal. Research and innovation will enable Europe to lead the green and digital transition.* ”

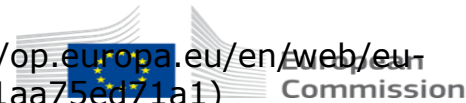
*Mariya Gabriel, EU Commissioner for Innovation, Research, Culture, Education and Youth*

Research and  
Innovation

### **Bioeconomy - a blueprint for green growth which:**

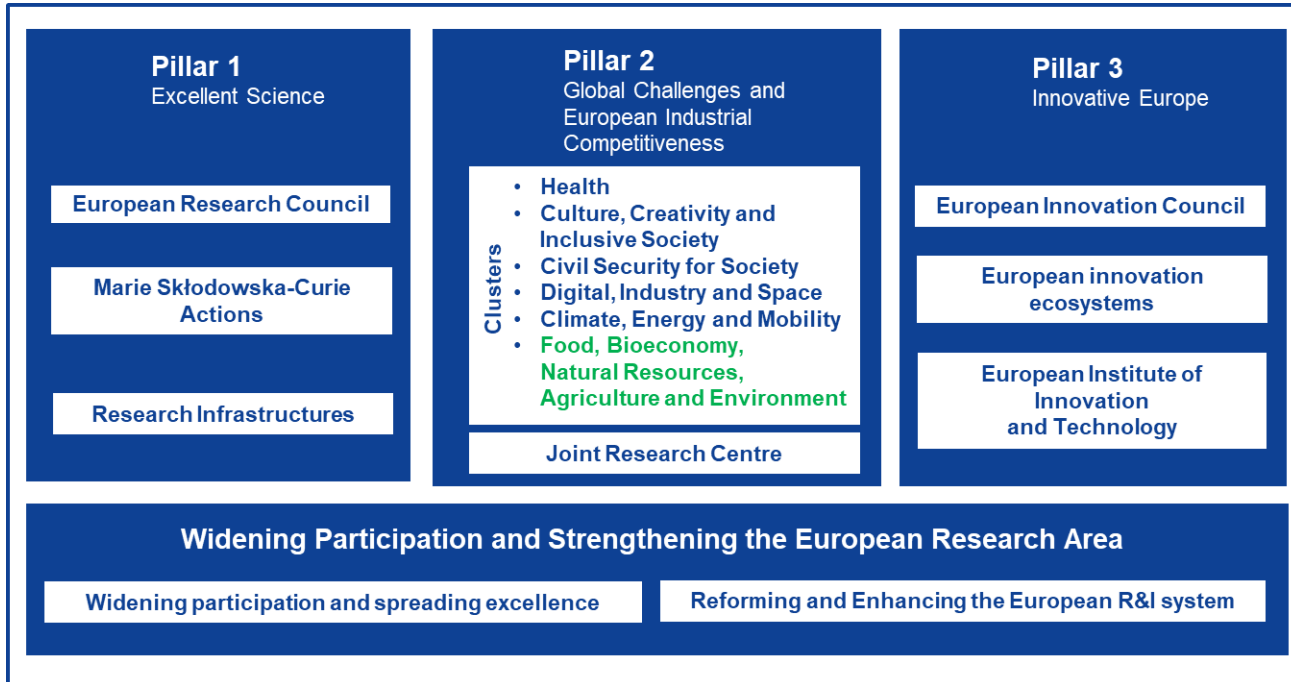
- Holistically addresses the economic, social and environmental aspects
- Reduces dependence on non-renewable resources
- Contributes to a climate-neutral future
- Safeguards biodiversity and ecosystems
- Promotes resource efficiency and circularity
- Provides opportunities for fair and just transition
- Green business opportunities for SMEs

See Factsheet on **How the bioeconomy contributes to the Green Deal** (<https://op.europa.eu/en/web/eu-law-and-publications/publication-detail/-/publication/66722c8d-2e03-11eb-b27b-01aa75cd71a1>)

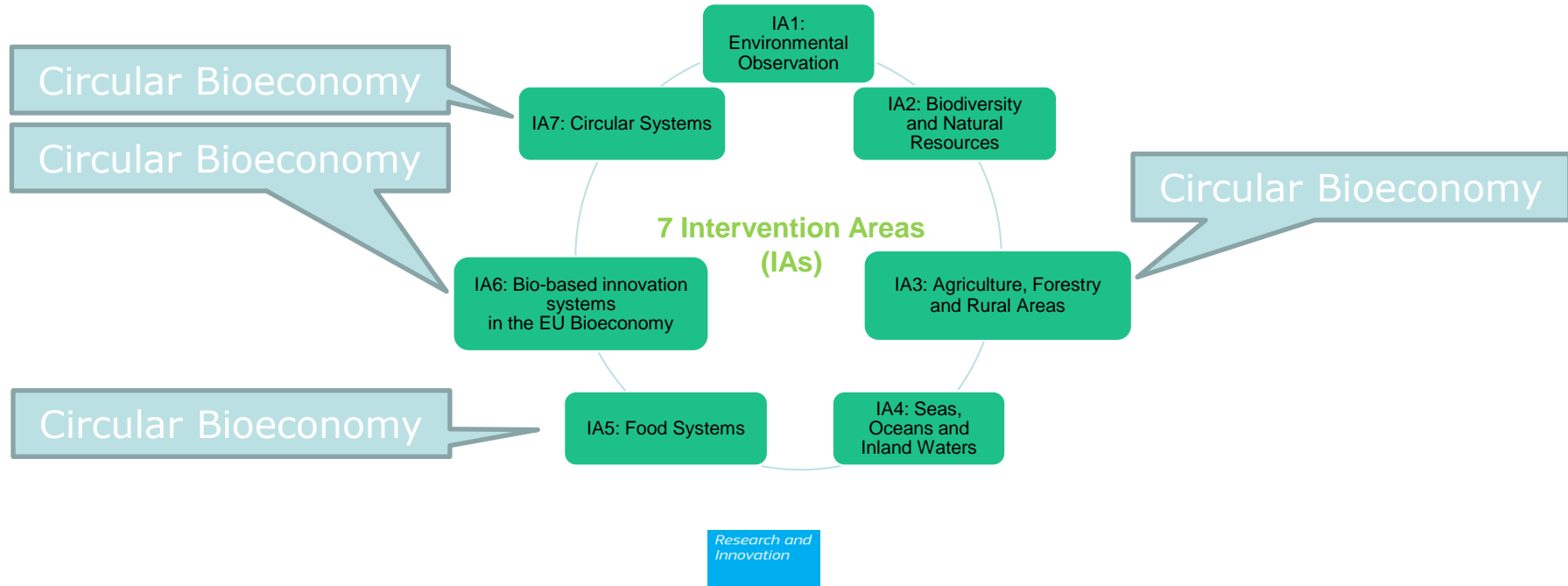




# Bioeconomy in Horizon Europe Framework Programme



## Cluster 6: Food, Bioeconomy, Natural Resources, Agriculture and Environment



# Cluster 6 targeted long-term impacts

Climate neutrality and adaptation to climate change

Governance models  
enabling  
sustainability



Preservation and restoration  
of biodiversity and ecosystems

**Cross-cutting  
to Cluster 6  
Intervention  
Areas**

Rural, coastal, peri-urban  
and urban areas developed  
in a sustainable, balanced  
and inclusive manner



Sustainable and circular  
management and use of natural  
resources as well as prevention  
and removal of pollution



Food and nutrition security for all within planetary boundaries

# Cluster 6: Work Programme – 7 ‘Destinations’

Destination
1 Biodiversity and ecosystem services
2 Fair, healthy and environmentally-friendly food systems from primary production to consumption
<b>3 Circular economy and bioeconomy sectors</b>
<b>4 Clean environment and zero pollution</b>
5 Land, oceans and water for climate action
6 Resilient, inclusive, healthy and green rural, coastal and urban communities
<b>7 Innovative governance</b> , environmental observations and digital solutions in support of the Green Deal

Circular Bioeconomy

Circular Bioeconomy

Circular Bioeconomy

Work programme 2021-22 calls closed and evaluated

Work programme 2023-24 calls under preparation, opening expected end 2022

# CIRCULAR ECONOMY AND BIOECONOMY SECTORS / CALL 2022 / CLOSED

Calls HORIZON-CL6-2022-  
CIRCBIO-01 & HORIZON-  
CL6-2022-CIRCBIO-02-two-  
stage



Enabling a circular  
economy transition

2 topics



Innovating sustainable  
bio-based systems and  
the bioeconomy

8 topics



Safeguarding the  
multiple functions of  
EU forests

2 topics



Innovating for blue  
bioeconomy and  
biotechnology value  
chains

1 topic



# CLEAN ENVIRONMENT AND ZERO POLLUTION

## WP2022 - CLOSED



**Halting emissions  
of pollutants to  
soils and waters**

**3 topics**



**Protecting  
drinking water and  
managing urban  
water pollution**

**1 topic**



**Addressing  
pollution on seas  
and ocean**

**no topic**



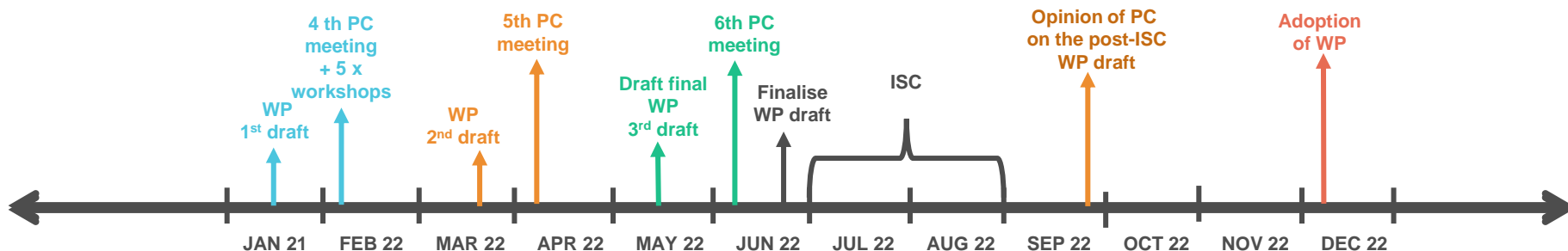
**Increasing  
environmental  
performances and  
sustainability of  
processes and  
products**

**no topic**

# Cluster 6 WP 2023-2024: timeline

## Cluster 6 work programme 2023-2024:

- ✓ Preparation of the second WP draft (**23 March**)
- ✓ PC meeting & workshop on partnerships on **5 April 2022**
- ✓ One additional iterations on the third draft WP in **June 2022**
- ✓ Inter-Service Consultation (ISC) in **Summer 2022**
- ✓ Adoption by **end 2022**



# Thank you !



© **European Union 2021** Unless otherwise noted the reuse of this presentation is authorised under the [CC BY 4.0](https://creativecommons.org/licenses/by/4.0/) license. For any use or reproduction of elements that are not owned by the EU, permission may need to be sought directly from the respective right holders.