

Indicators and dimensions of the European Bioeconomy

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Presidenza del Consiglio dei Ministri - Italia
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EU Bioeconomy data and trends

EU Bioeconomy objectives




EU Bioeconomy Monitoring System

- JRC-led action in the 2018 EU Bioeconomy Strategy
- Developed in collaboration with stakeholders
- Located in the Knowledge Centre for Bioeconomy

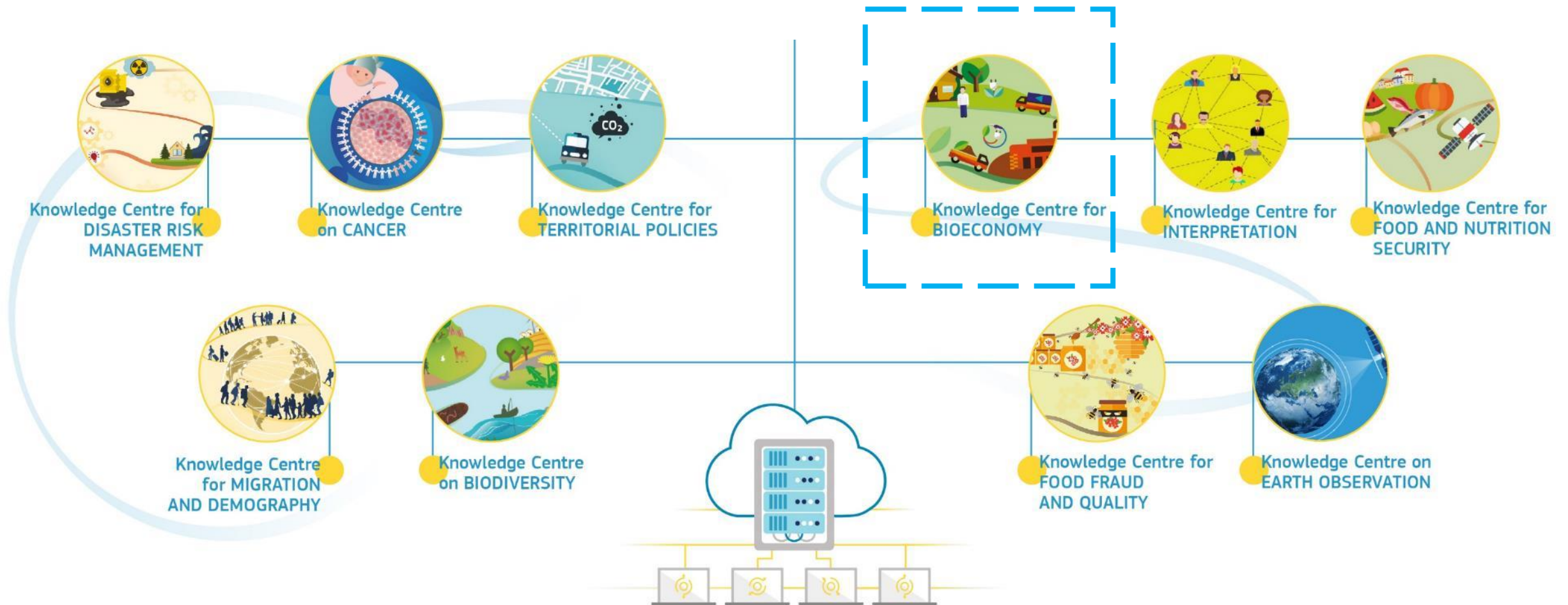
https://knowledge4policy.ec.europa.eu/bioeconomy/monitoring_en

Access to food	↗	Re-use, recycling, recovery	↗
Availability of food	→	Minimisation food & waste loss	→
Food quality	→	Resource efficiency	→
Provisioning services	↗	Energy efficiency	↑
Pressures from forestry	↘	Employment in bioeconomy	→
Pressures from agriculture	↘	Value added of raw & processed biomass	↑
Climate change mitigation	↓		

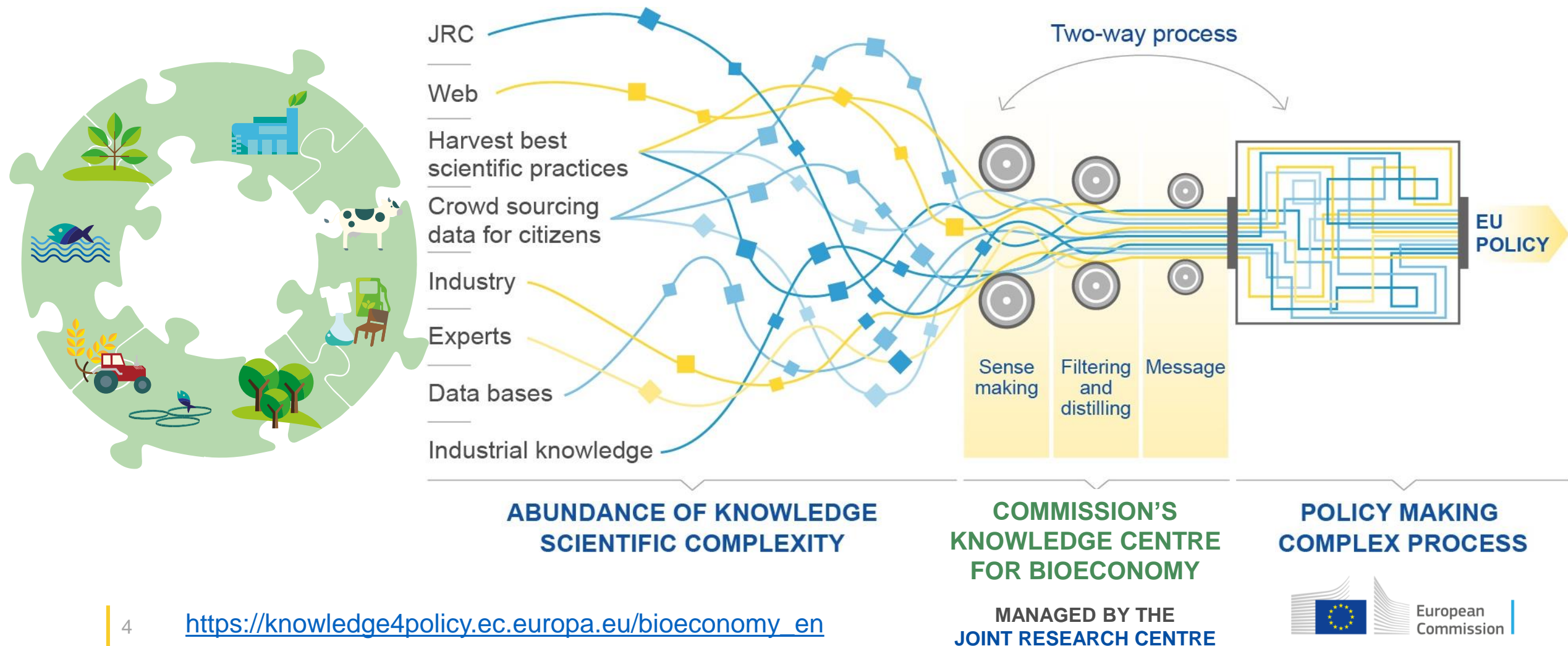


Knowledge Centres of the European Commission

COM(2016)6626 introducing knowledge management



The Knowledge Centre for Bioeconomy



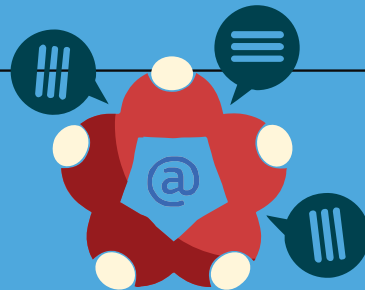
Knowledge Centre for Bioeconomy



Identifying and **filtering** relevant information and making it accessible:



Bringing together researchers, policymakers and other experts in the field.



Analysing, synthesising and communicating available evidence.



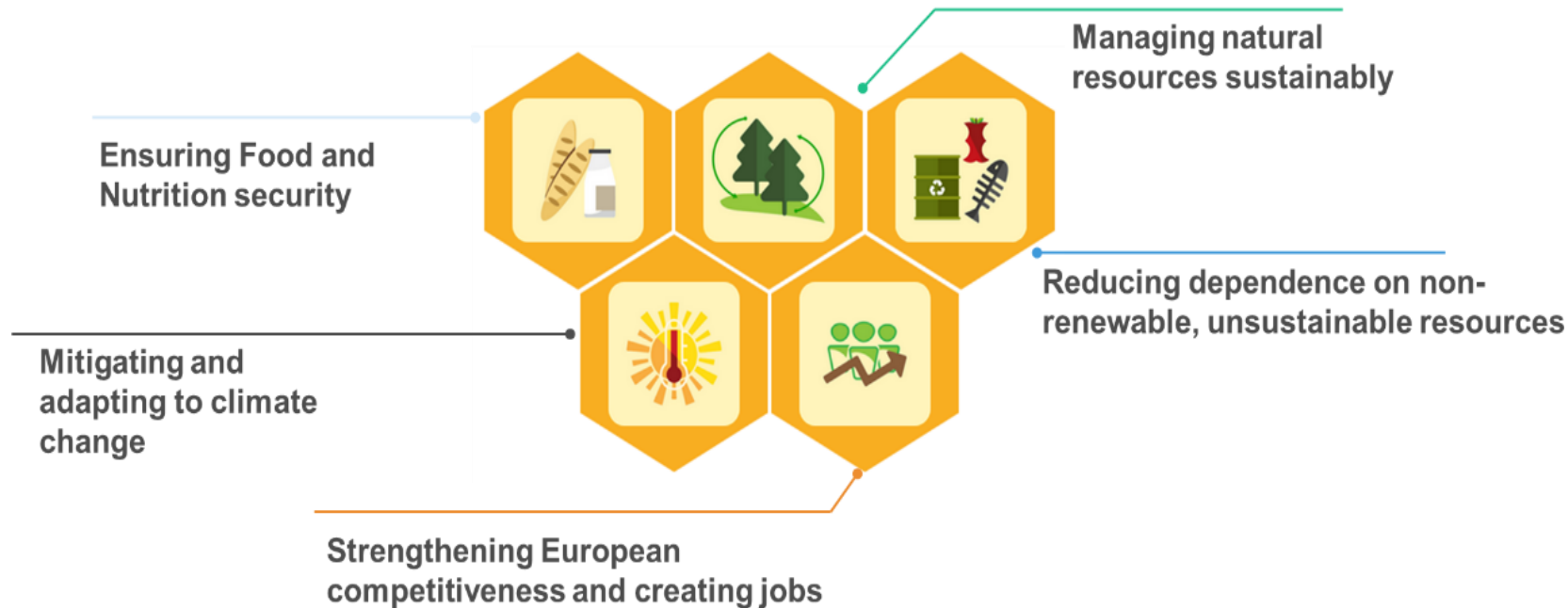
Enhancing the **knowledge** base for policymaking.



https://knowledge4policy.ec.europa.eu/bioeconomy_en

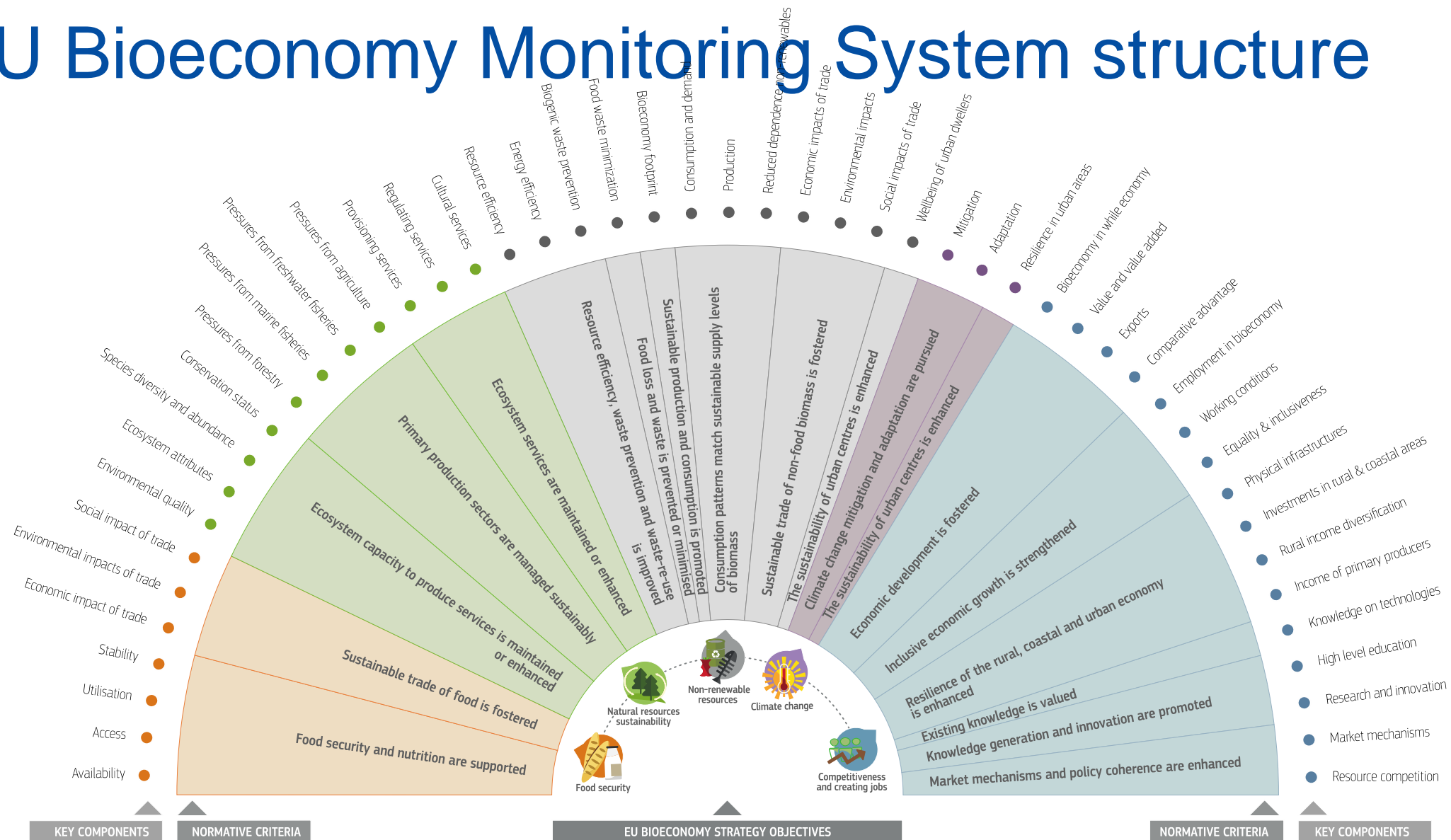
The EU Bioeconomy Monitoring System

The EU bioeconomy monitoring framework tracks political objectives: it reflects the vision and values in the Bioeconomy Strategy.



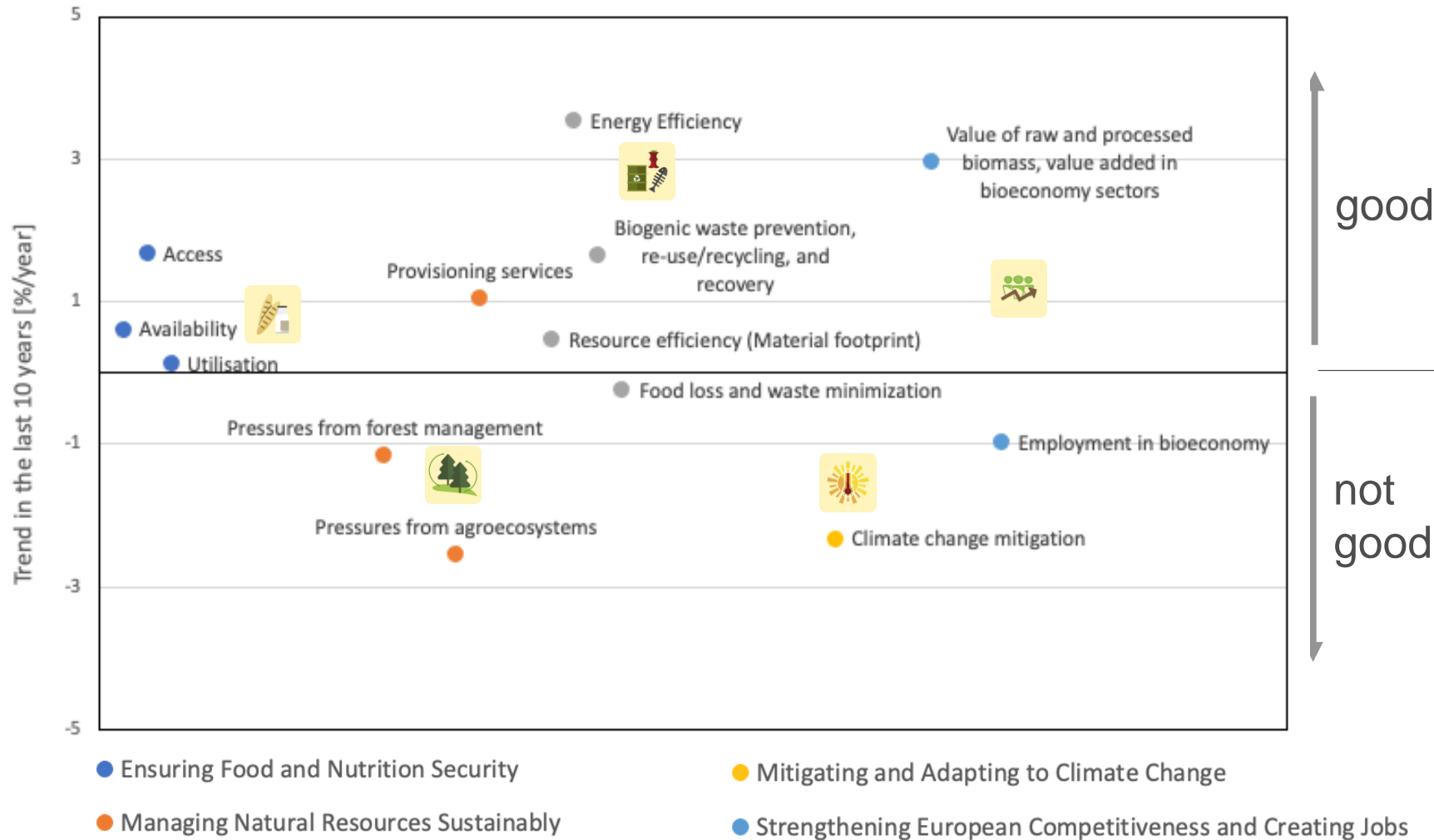
<https://publications.jrc.ec.europa.eu/repository/handle/JRC119056>

EU Bioeconomy Monitoring System structure



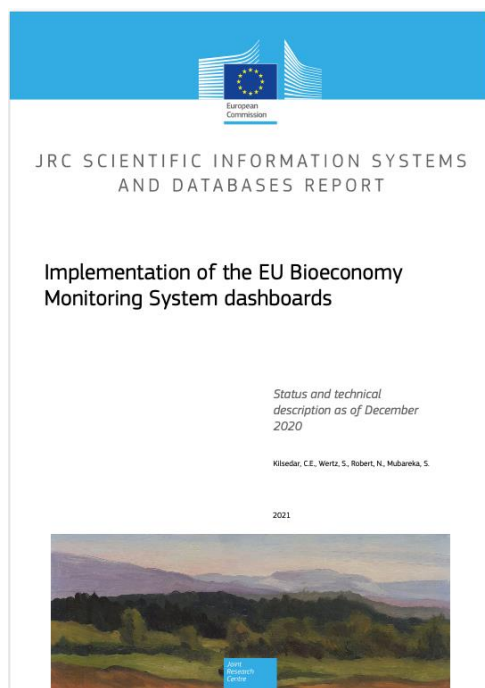
WHAT DOES A SUSTAINABLE AND CIRCULAR
EU BIOECONOMY LOOK LIKE?

Trends in the EU Bioeconomy objectives

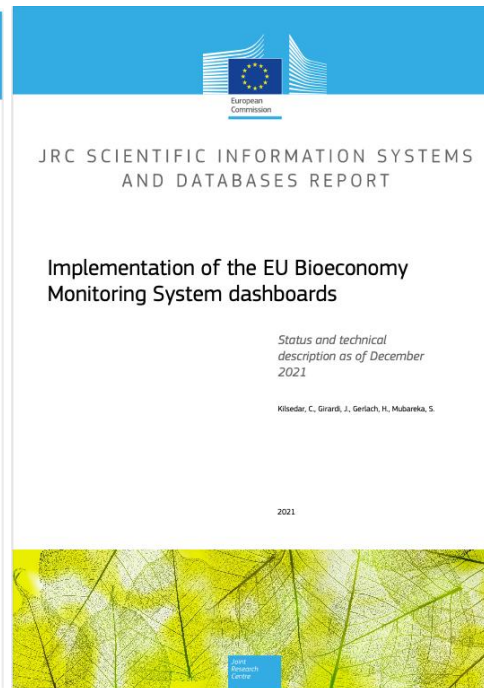


Europe is generally moving towards the objectives of the EU Bioeconomy Strategy, but environmental challenges persist, pointing to a need for policy coordination. There are multiple pressures on land, and while the drivers are not associated in this context, the increasing demand for material and energy is largely accountable. Thus, a lower overall consumption may alleviate some of these pressures, as could a transformation in work-force and innovation to be more resource efficient.

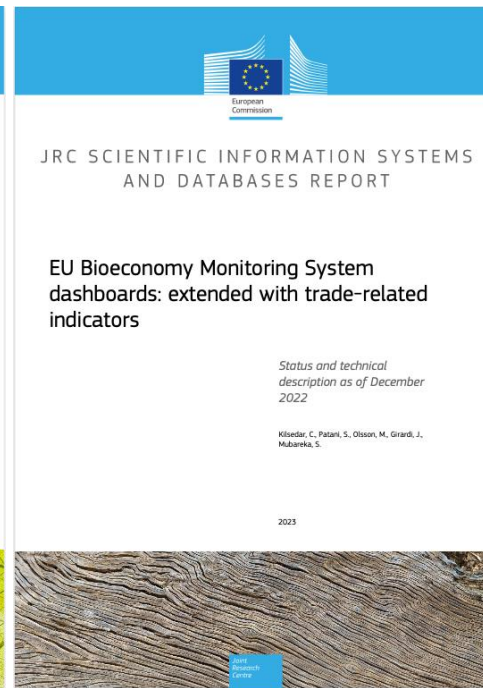
Implementation of the Bioeconomy Monitoring System in the Knowledge Centre for Bioeconomy



<https://publications.jrc.ec.europa.eu/repository/handle/JRC127762>



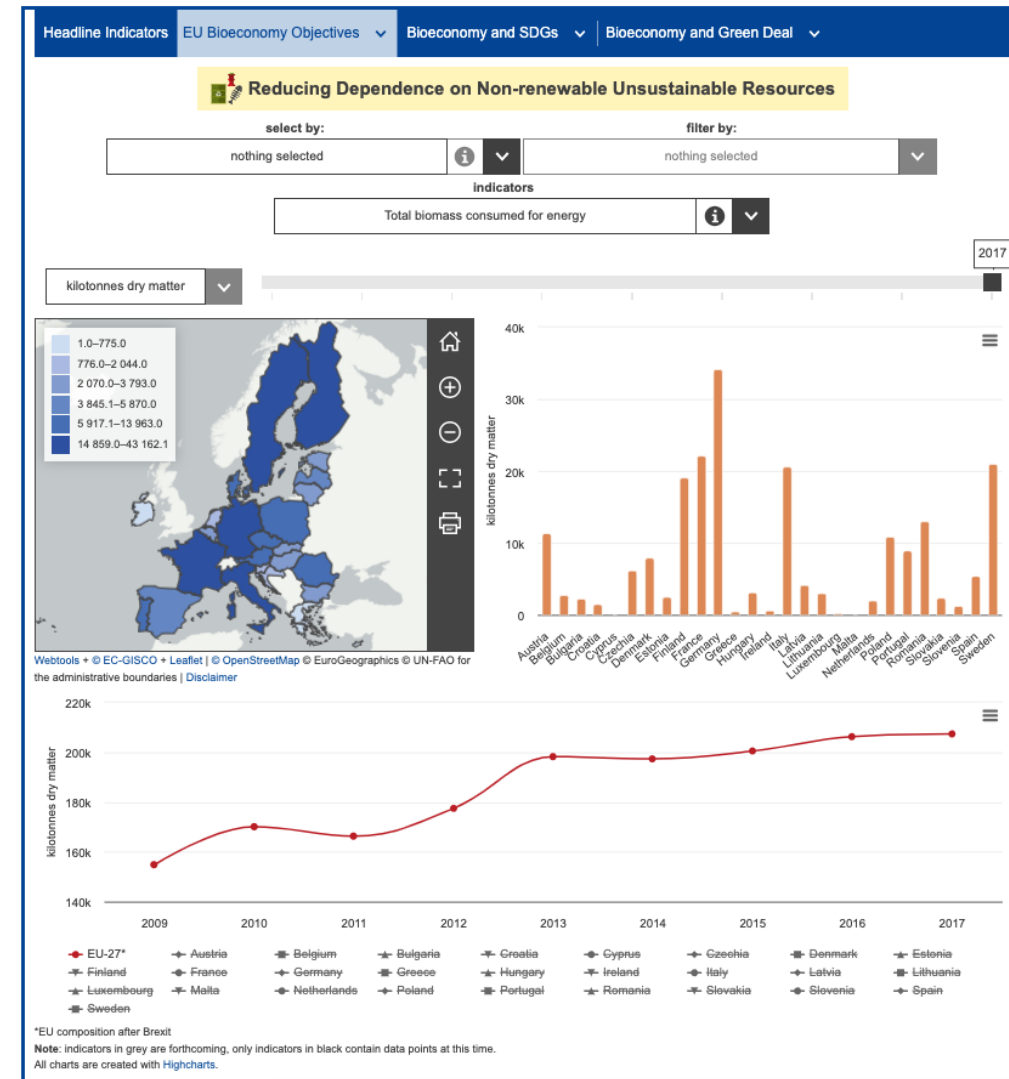
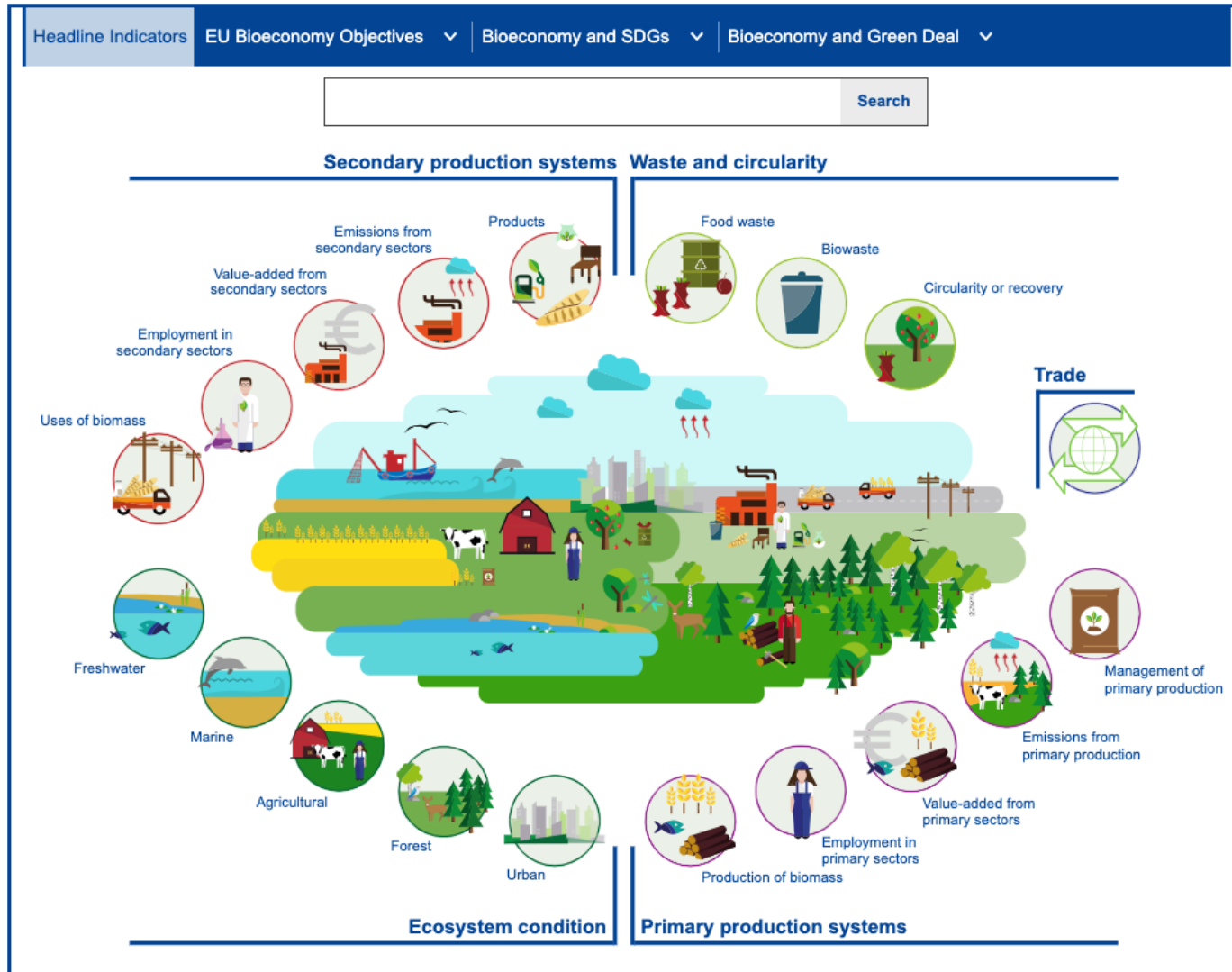
<https://publications.jrc.ec.europa.eu/repository/handle/JRC123675>



<https://publications.jrc.ec.europa.eu/repository/handle/JRC132356>

2018 Bioeconomy Strategy Objective	Total indicators	Indicators published	Gaps
Ensuring Food and Nutrition Security	18	7	11
Managing Natural Resources Sustainably	43	14	29
Mitigating and Adapting to Climate Change	21	4	17
Reducing Dependence on Non-renewable Unsustainable Resources,	30	16	14
Strengthening European Competitiveness and Creating Jobs	42	6	36

Bioeconomy Monitoring dashboard of the Knowledge Centre for Bioeconomy



Bioeconomy country dashboard

National strategies

Regional strategies

Institutions

Initiatives

Bioeconomics

Bioenergy

Algae production

Wood resource balances

Strategies and other policy initiatives dedicated to the bioeconomy

Status as of October 2023

- 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



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Italy (IT)



National bioeconomy definition

Yes

+ Note

National bioeconomy strategy information

Status of national policies on bioeconomy

Dedicated Bioeconomy Strategy at national level 2019

— Note

National Strategy for Bioeconomy - BIT II

Dedicated Bioeconomy Action Plan 2021

— Note

Implementation Action Plan (2020-2025) for the Italian Bioeconomy Strategy BIT II

Goals

- Increasing circular economy
- Boosting sustainable locally rooted growth based on bio-based supply chains both in rural areas and cities
- Supporting alignment of EU, national, regional policies and regulations



European
Commission

Thank you

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EU Science Hub

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