



The New EU Bioeconomy Strategy

— towards a Competitive, Circular and Regenerative Bioeconomy

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Commissioner Roswall to lead on the Bioeconomy Strategy



Jessika Roswall, Commissioner for Environment, Water Resilience and a Competitive Circular Economy, is leading the new EU Bioeconomy Strategy and the Circular Economy Act to

*“...develop a **more circular and resource-efficient economy**, driving forward the industrial development of **clean technologies**, reaping the full **benefits of the bioeconomy**”.*

- Strategic Agenda of the European Council -

New Bioeconomy Strategy – a driver for green growth



- Key deliverable under the **innovation pillar**
- Positioning the EU as a leader in the rapidly **expanding bioeconomy market**
- Harnessing the **significant growth potential** in bio-based materials, biomanufacturing, biochemicals, and agri-biotech sector
- Reducing our **reliance on fossil fuels**
- Improving the **economic perspectives** of our rural areas

Competitiveness Compass, January 2025



- Improving **resource efficiency** and tapping into the **significant growth potential** of bio-based materials substituting fossil-based materials and related industries
- **Reducing dependencies** on imported raw materials
- Laying down **priorities for manufacturing and using biomaterials**, and for retaining them as long as possible in the economy

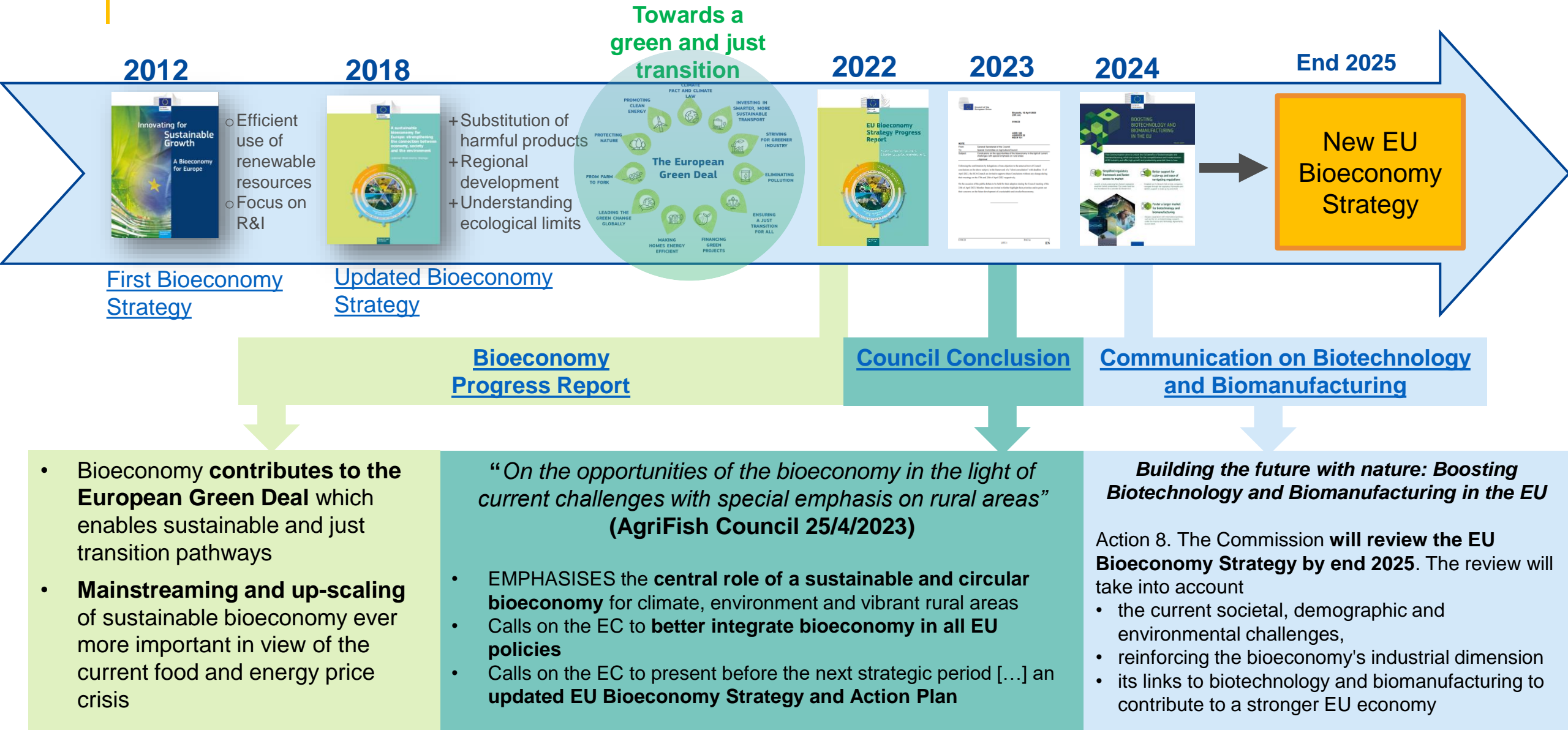
Clean Industrial Deal, February 2025



- Strengthening **diversification** of value streams
- Boosting **valorisation of farm residues**
- Strengthening the **role of primary producers** in the value chain
- Generating **new jobs** in the rural areas

Vision for Agriculture and Food, February 2025

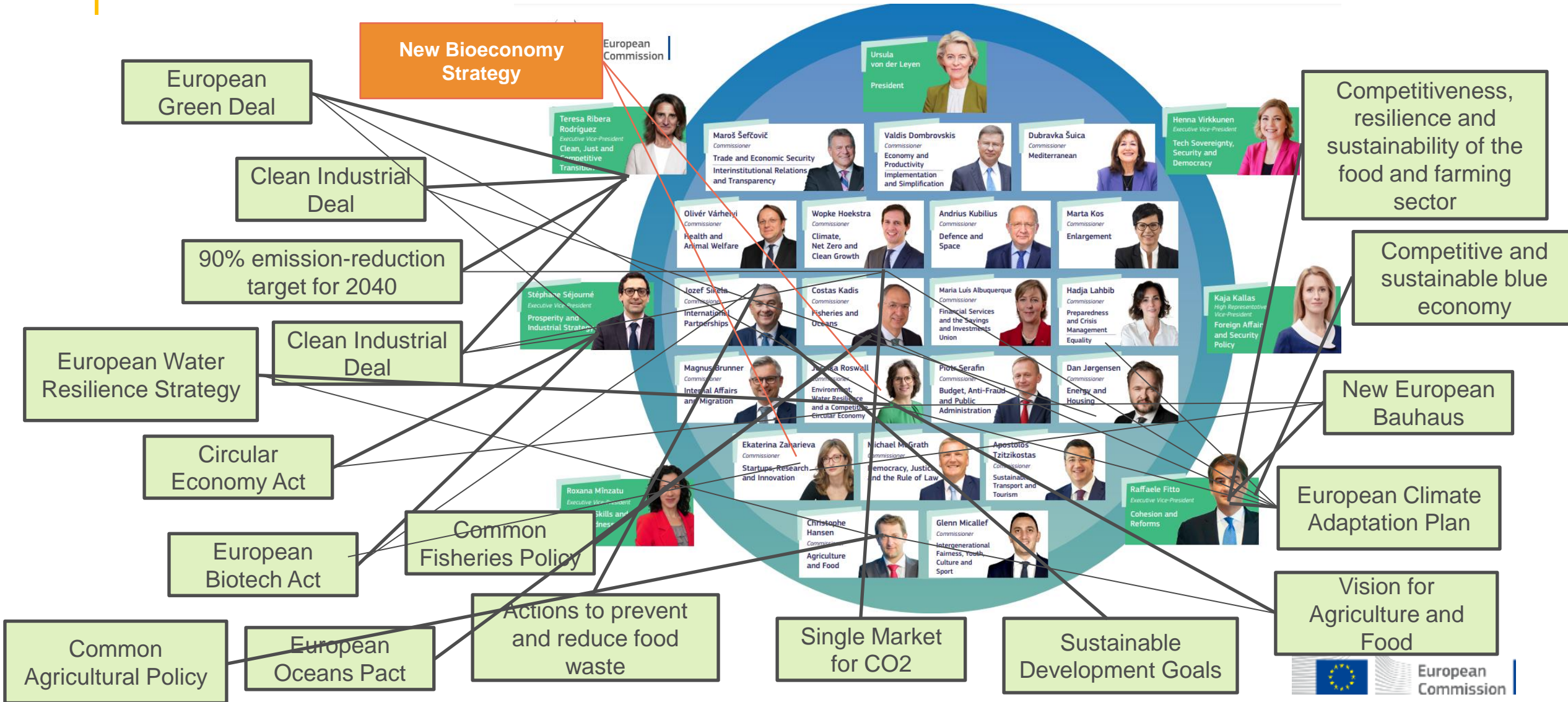
Bioeconomy policy development - building on solid ground



Why do we need a New Bioeconomy Strategy?

- **to strengthen competitiveness, circularity and regenerative approach**
 - boost research & innovations, high-tech and high value-added bio-based products and materials
 - accelerate circular economy approach in bioeconomy applications
 - overcome barriers and boost scale-up of bio-based innovations
 - enhance biotechnology and biomanufacturing
 - tackle the potential biomass gap between increasing demand and sustainable sourcing of biomass
- **to address those gaps identified in the Progress Report of the previous strategies**
 - tackle challenges related to climate change and loss of biodiversity
 - offer consumers more sustainable and circular bio-based products
- **to ensure policy coherence between existing and up-coming initiatives related to bioeconomy...**

Bioeconomy's interplay with other policy areas



The key policy initiatives of interplay



Biotech Act

Circular Economy Act



Bioeconomy Strategy

Ocean Pact

Industrial Decarbonisation Accelerator Act



Clean Industrial Deal

Life Science Strategy

Objectives and scope of the new Bioeconomy Strategy

- Enhance **long-term competitiveness** of the EU economy and **strategic autonomy and resilience**
- Ensure **industrial leadership** in addressing climate change, biodiversity loss and pollution
- Lead in the **emerging bio-based economy** and **drive biotechnology innovation**
- Secure **sustainably supplied biomass** and sustainable production of biological resources for food, materials, energy and services
- Create **green** jobs and ensure **skills**
- Strengthen **diversification** of value streams

EU Bioeconomy strategy 2025: challenges to address

Innovations and scaling up biotech & bio-based solutions to boost de-fossilisation, local development and jobs



Regenerative and sustainable bioeconomy within planetary boundaries

A circular and resource-efficient bioeconomy: more value from less resources



International dimension and Green diplomacy

EU Bioeconomy strategy 2025: Four main pillars + crosscutting themes: competitiveness and fair transition

Pillar I: A circular and resource-efficient bioeconomy – creating efficient demand for more value from less resources

Pillar II: From Lab to Fab – priorities for scaling up biotech innovations and biomanufacturing

Pillar III: Securing sustainably-sourced biomass – towards a regenerative bioeconomy

Pillar IV: A globally competitive European bioeconomy sector

A continuous need for research and innovations to achieve the EU's bioeconomy objectives

Research forms a solid basis for all elements and dimensions of bioeconomy:

- Enabling **knowledge and evidence based policy making**
- Driving biotechnology and bio-based **innovations and applications**
- Ensuring **industrial leadership** in bioeconomy and biotechnology
- Strengthening **circularity and resource efficiency**
- Securing **sustainably long-term supply of biomass**
- Enhancing **regenerative practices** and **environmental sustainability**
- Creating **new green jobs** and supporting **diversification of income** in rural areas
- Ensuring **education** and **enough skilled workforce**, including skills in biotechnologies, digitalisation, AI and entrepreneurship
- **Supporting and accelerating** the transition towards a competitive, circular and regenerative bioeconomy and de-fossilisation of the EU economy

Call for evidence and public consultation

launched on 31 March

Public Consultation

Open until the 23 June 2025

Position papers

Welcome in the context of the open public consultation

Targeted workshops

Mid-April until beginning of July 2025

Events

ECESP Stakeholder Dialogue on 10 April,
European Green Week on 3-5 June 2025



[Towards a Circular, Regenerative and Competitive Bioeconomy](#)

Thank you!

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