



Workshop on Agricultural Research and Knowledge Transfer in WB countries 23-24 November 2020

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RTD.C2 – Bioeconomy & Food Systems

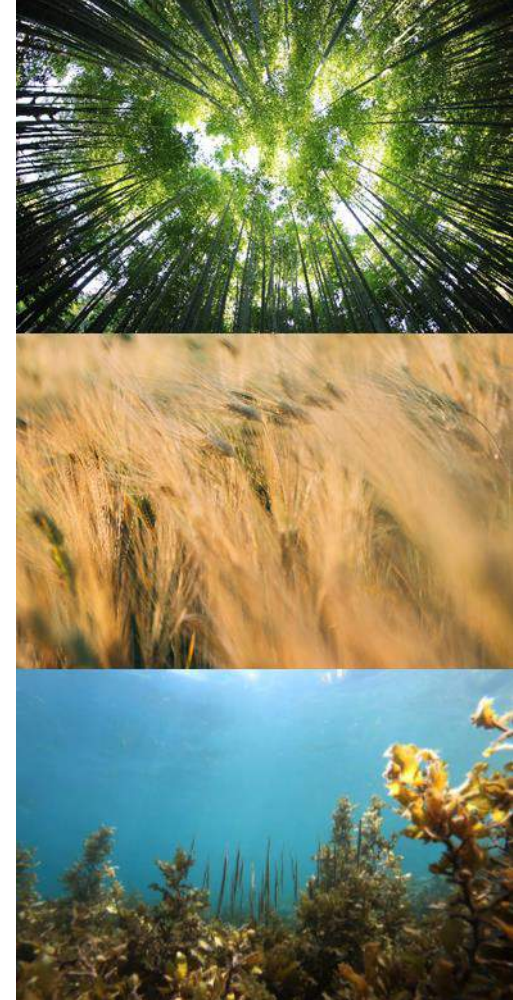
The European Green Deal



What is the EU's understanding of the Bioeconomy.....

All sectors & systems that use / produce / process / are driven by biological resources

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



A sustainable bioeconomy for Europe: Strengthening the connection between economy, society and the environment in the EU



...was developed jointly across different DGs (RTD, AGRI, ENV, MARE, GROW, JRC, CLIMA) to develop actions and ensure impact.

The updated Bioeconomy Strategy aims to:

Link the sustainable use of renewable biological resources for food, feed, bio-based products and bioenergy, with the protection and restoration of biodiversity, ecosystems and natural capital across land and water.

Step up action to ensure that the Bioeconomy provides a long-term balance of social, environmental and economic gains.

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 substitutes to fossil based materials that are bio-based, recyclable and marine biodegradable

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

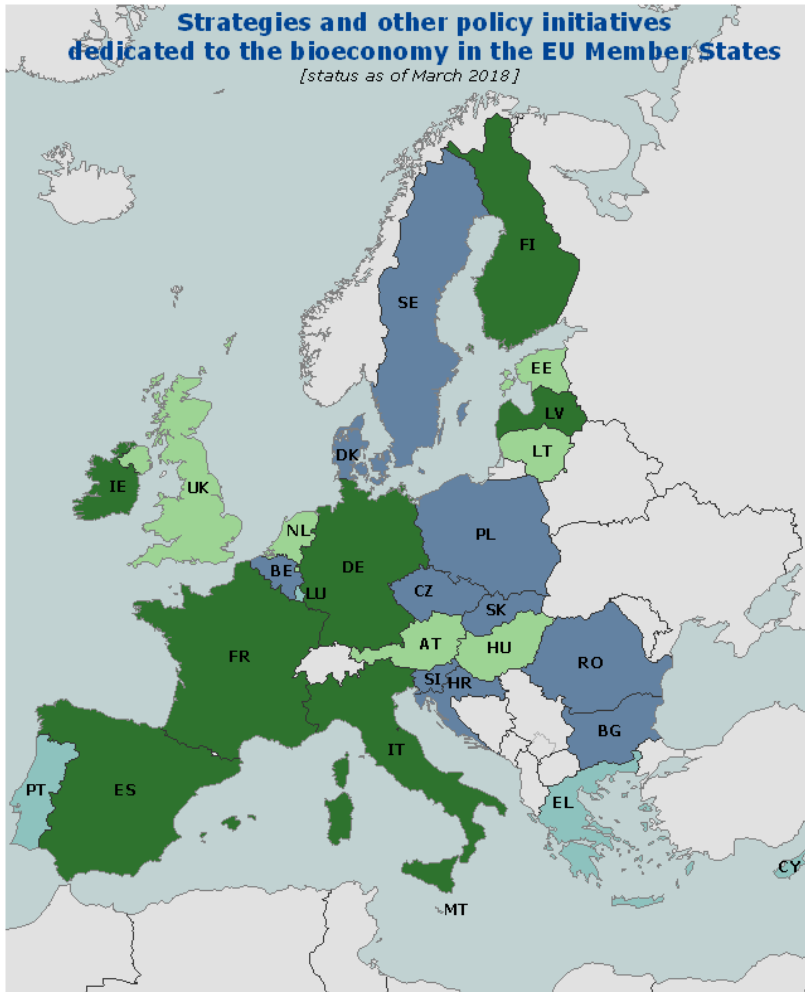


Promote good practices to operate the bioeconomy within safe ecological limits



Enhance the benefits of biodiversity in primary production

Bioeconomy in the EU - Great diversity - wide variety



- 9 MS have a dedicated bioeconomy strategy
Finland, Latvia, Germany, Italy, France, Spain, Ireland , UK, AT
- 6 MS in the process of developing a strategy
Estonia, Hungary, Lithuania, the Netherlands, Sweden, Croatia
- 11 Central and Eastern MS under BIOEAST initiative
Bulgaria, Croatia, Czech Republic, Hungary, Poland, Romania, Slovakia, Slovenia, Estonia, Lithuania, Latvia
- >50 regions have a bioeconomy-related strategy
- A few cities have bioeconomy-related priorities in their policies

Horizon Europe: 2021-2027

Pillar 1 Excellent Science



European Research Council

Marie Skłodowska-Curie Actions

Research Infrastructures

Pillar 2 Global Challenges and European Industrial Competitiveness



- Clusters
1. Health
 2. Culture, Creativity and Inclusive Society
 3. Civil Security for Society
 4. Digital, Industry and Space
 5. Climate, Energy and Mobility
 6. **Food, Bioeconomy,
Natural Resources, Agriculture and
Environment**

Joint Research Centre

Pillar 3 Innovative Europe



European Innovation Council

European innovation
ecosystems

European Institute of Innovation
and Technology

Widening Participation and Strengthening the European Research Area

Widening participation and spreading excellence

Reforming and Enhancing the European R&I system

Horizon Europe Cluster 6 work programme 2021-2022

- Calls around 7 destinations
- This work programme will include synergies with **missions** and **partnerships**.



Developing sustainable and competitive protein crop systems and value chains

Building alternative protein-friendly sustainable and healthy food environments

Transforming food systems for health, sustainability and inclusion

Enabling sustainable farming



Thank you



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