

The European House  

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Ambrosetti



**ThinkTankBasilicata**  
Energie per un futuro sostenibile

**FORUM**

**“Energie per un futuro sostenibile”**

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Matera, *Palazzo Viceconte*

**PRESENTATION BY**  
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# The EU Bioeconomy Strategy in the light of the EU Green Deal

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*Think Tank Basilicata*

*Matera, February 25, 2022*



“ 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. ”

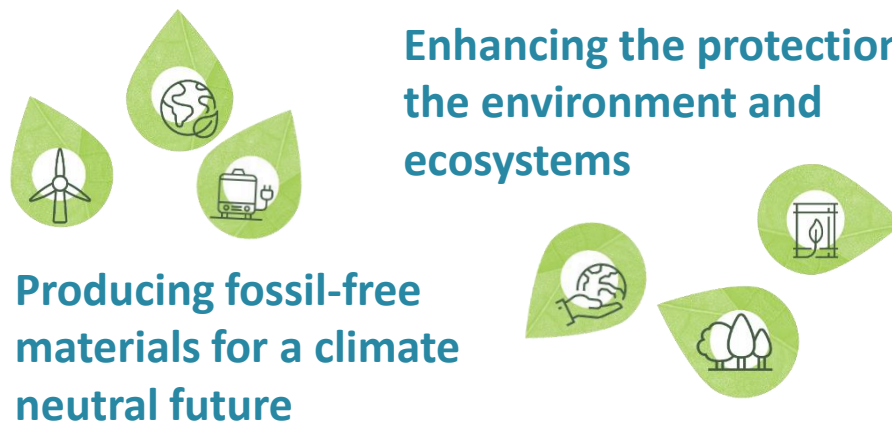
*Mariya Gabriel, EU Commissioner for Innovation, Research, Culture, Education and Youth*

Research and Innovation

Delivering on Europe's economic prosperity and ensuring a fair and just transition



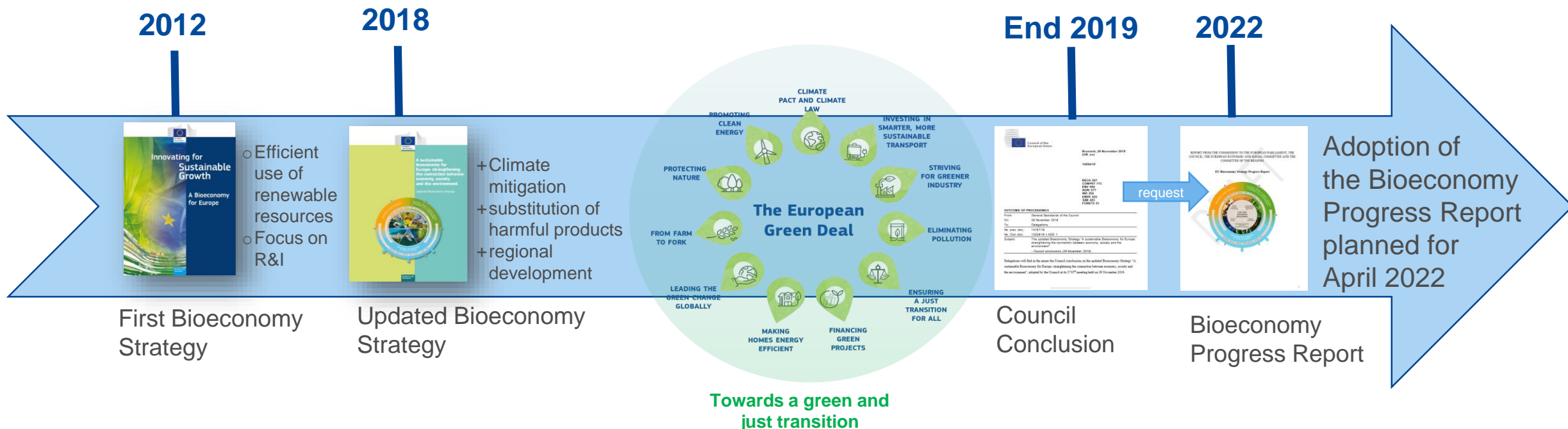
Enhancing the protection of the environment and ecosystems



Producing fossil-free materials for a climate neutral future



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-01aa75ed71a1>)



## Draft outline

## Objectives of the EU Bioeconomy Progress Report

○ **Sections 1, 2:** What is bioeconomy

○ **Sections 3, 4, 5:** Assessments:  
 - bioeconomy,  
 - policy context,  
 - action plan

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

○ **Section 6:** Unlocking opportunities

2. Explain how bioeconomy policy is contributing to the objectives under the European Green Deal.

# EU Biodiversity Strategy for 2030

Ensure that by 2030, Europe's biodiversity will be on a path to recovery for the benefit of people, the planet, the climate and our economy

... ca 100 measures



Protect Nature



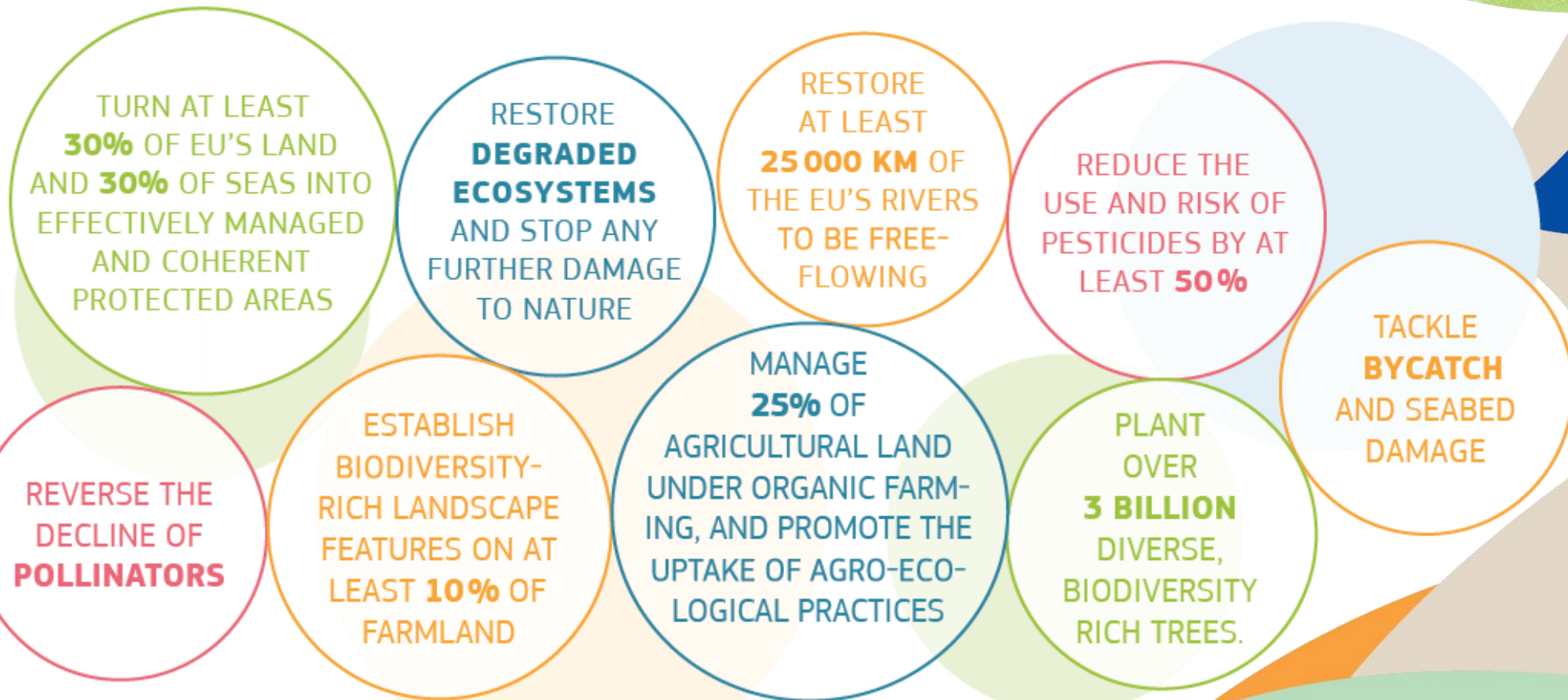
Restore Nature



Enable Transformative Change



EU For An Ambitious Global Agenda

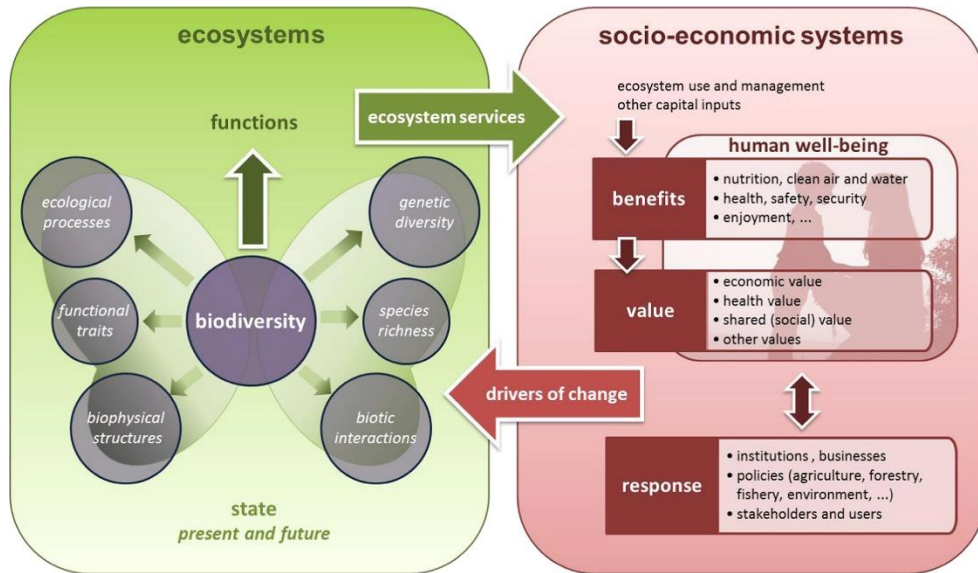


Some key commitments ...



# Multiple demands on land and biomass

## (i) Ecological limits

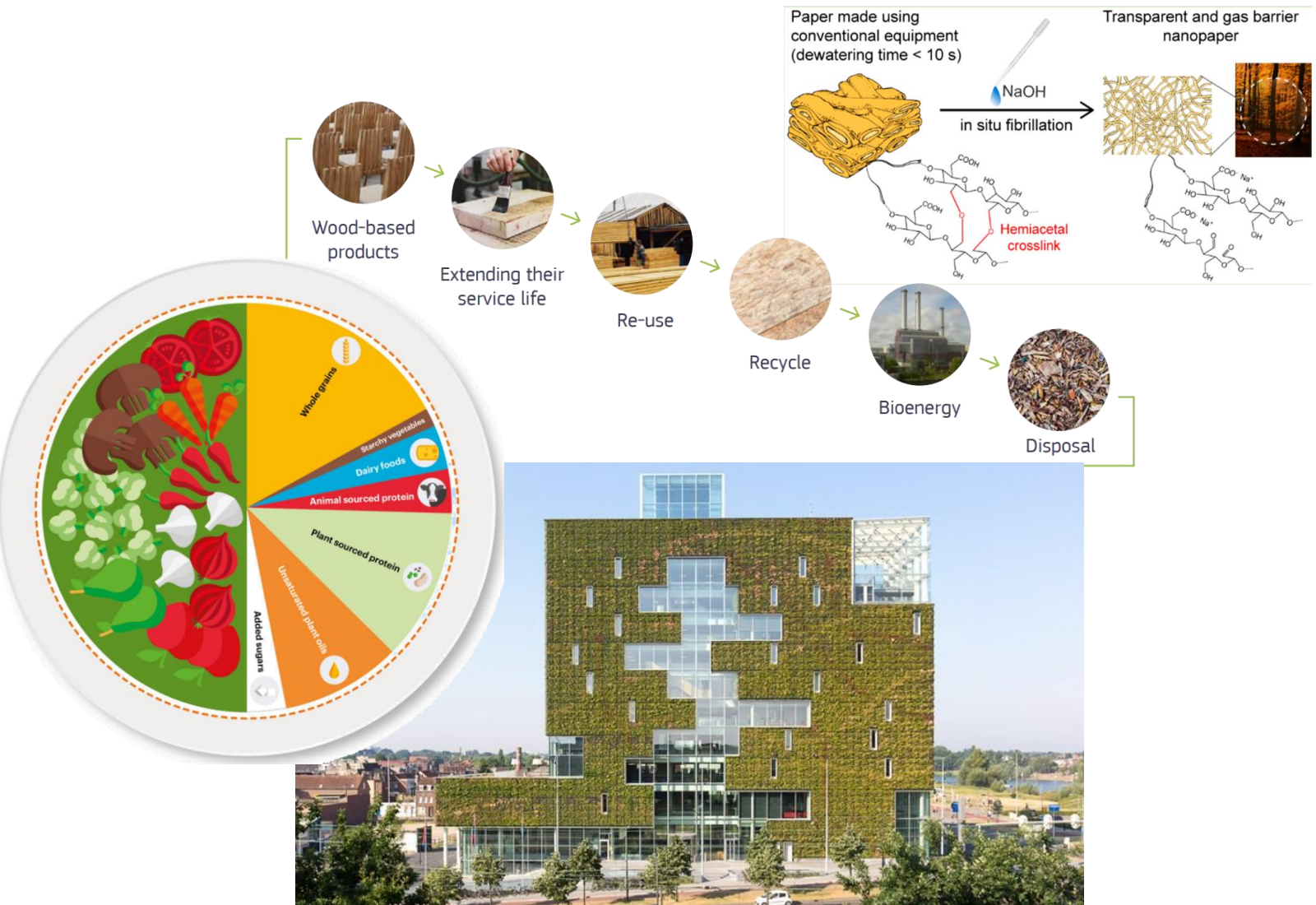


- C Sequestration in ecosystems
- Protection of biodiverse ecosystems
- Ensuring regulation services (air and water purification, pollination, climate, floods, ...)
- Resilience (climate change, zoonoses,...)
- Nature based solutions



# Multiple demands on land and biomass

## (ii) Towards climate neutrality



- Food & materials
- Storage in (long-lived) products – ‘New European Bauhaus’
- Substitution of products (based on) fossil fuel and scarce materials
- Smart products

# The Biomass Gap



40-70% gap between projected sustainable supply of biomass and demand in integrated climate scenarios

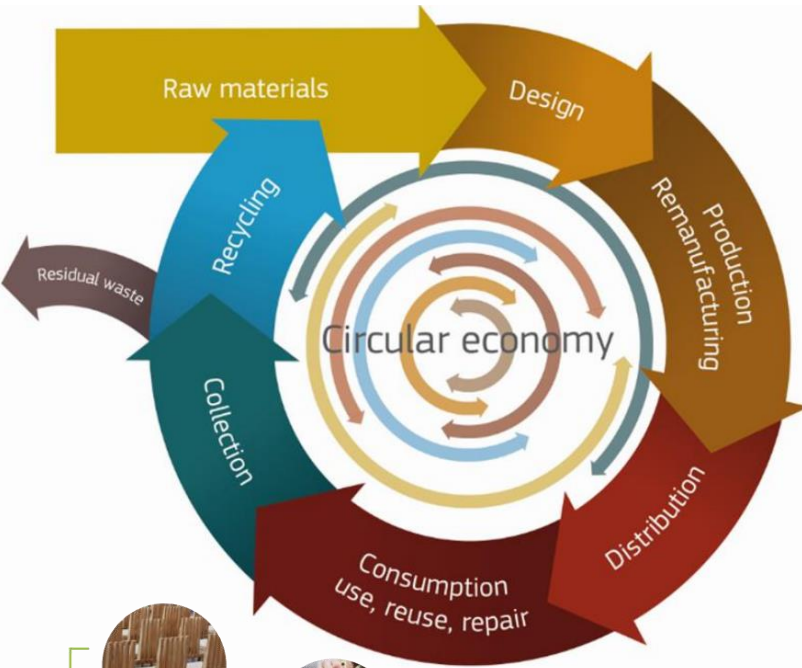
## Closing the 'biomass gap'

- Improve resource efficiency: circularity, cascading principle, recycling of carbon, improved processes, ...
- Reduce demand: dietary shift, smart mobility, energy saving, ...
- Maximising synergies + minimising trade-offs of land management → optimum supply of biomass

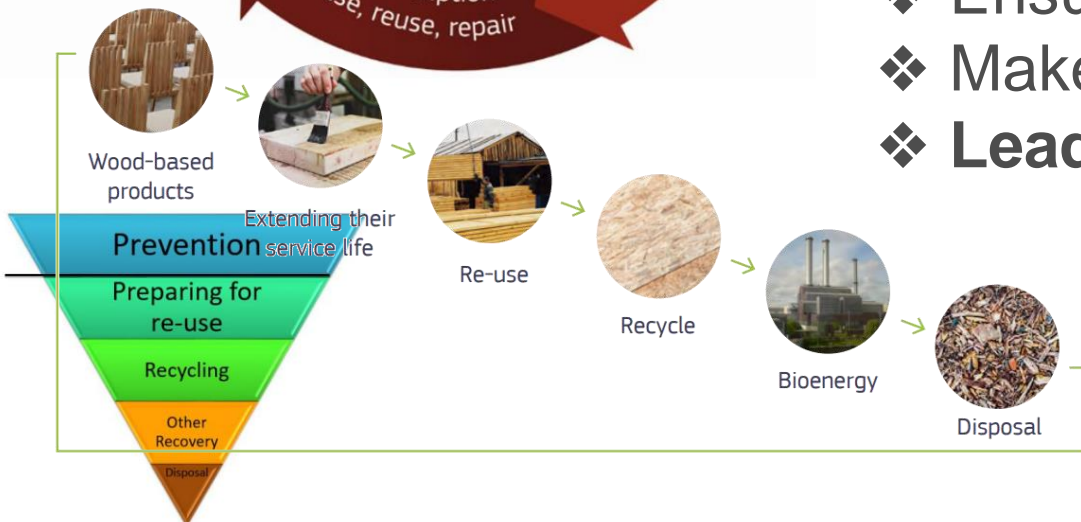


# Circular Economy Action Plan

An economy where the value of products, materials and resources is maintained in the economy for as long as possible, and the generation of waste minimised



- 35 actions along the entire life cycle of products, to:
- ❖ Make **sustainable products the norm** in the EU
  - ❖ **Empower consumers** and public buyers
  - ❖ Focus also on **key product value chains**: electronics and ICT; batteries and vehicles; packaging; plastics; textiles; construction and buildings; food; water and nutrients
  - ❖ Ensure **less waste**
  - ❖ Make circularity **work for people, regions and cities**
  - ❖ **Lead global efforts** on circular economy Circular



December 2021

# SUSTAINABLE CARBON CYCLES



**Carbon farming: a green business model** rewarding land managers for improved land management practices, resulting in carbon sequestration in ecosystems and reducing the release of carbon to the atmosphere.



## Creating a market for capture, use, and storage of CO<sub>2</sub>



**Replace energy-intensive materials**, such as cement and steel, with bio-based materials which store carbon for a long period of time.



**Recycle carbon** transforming CO<sub>2</sub> from a waste product to a **resource** and using it as **feedstock** for the production of materials, chemicals and fuels. At least 20% of the carbon used in the chemical and plastic industries should be from non-fossil sources by 2030.



**Remove carbon** from the atmosphere. **By 2030 5Mt of CO<sub>2</sub>** should be annually removed from the atmosphere and permanently stored through technological solutions.

“The EU will develop methodologies and carry out an **integrated EU bioeconomy land-use assessment**, with the aim of ensuring consistency of aggregated national and EU policies and targets, and provide technical assistance to Member States to carry out national assessments in support of their bioeconomy policies.”

# Next steps

- Bioeconomy Progress Report (Q1 2022)
  - 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
- Major Bioeconomy Conference in Brussels on 14-15 September 2022
  - High-level participation of bioeconomy policy makers and stakeholders
  - Objectives: present the findings of the Progress Report; and outline and discuss the pathways for sustainable bioeconomy towards 2050

# Thank you

The EU's Bioeconomy Policy:

<https://ec.europa.eu/research/bioeconomy/>

Bioeconomy country dashboard:

[https://knowledge4policy.ec.europa.eu/visualisation/bioeconomy-different-countries\\_en#survey](https://knowledge4policy.ec.europa.eu/visualisation/bioeconomy-different-countries_en#survey)

Deploying the bioeconomy in the EU

A framework approach for bioeconomy strategy development: 10 policy recommendations for building national bioeconomies toward a fair and just climate neutral Europe:

<https://op.europa.eu/en/publication-detail/-/publication/2cf89630-e2bc-11eb-895a-01aa75ed71a1/>

The Fit 4 55 package:

[https://ec.europa.eu/info/strategy/priorities-2019-2024/european-green-deal/delivering-european-green-deal\\_en](https://ec.europa.eu/info/strategy/priorities-2019-2024/european-green-deal/delivering-european-green-deal_en)

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