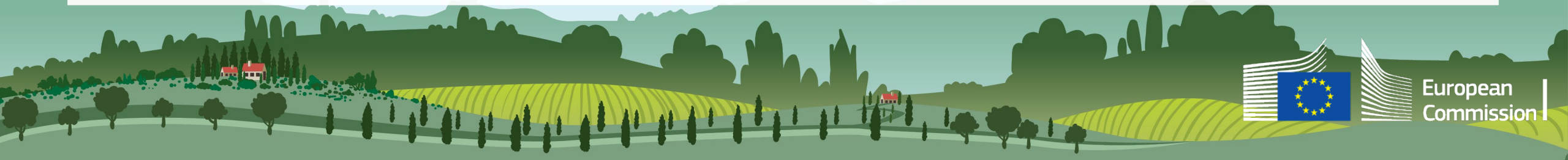


Bioökonomie: Perspektiven für die Land- und Forstwirtschaft

Michael WOLF, AGRI.F2

European Commission
Directorate General for Agriculture and Rural Development

BOKU meets Brussels, 27/04/2022

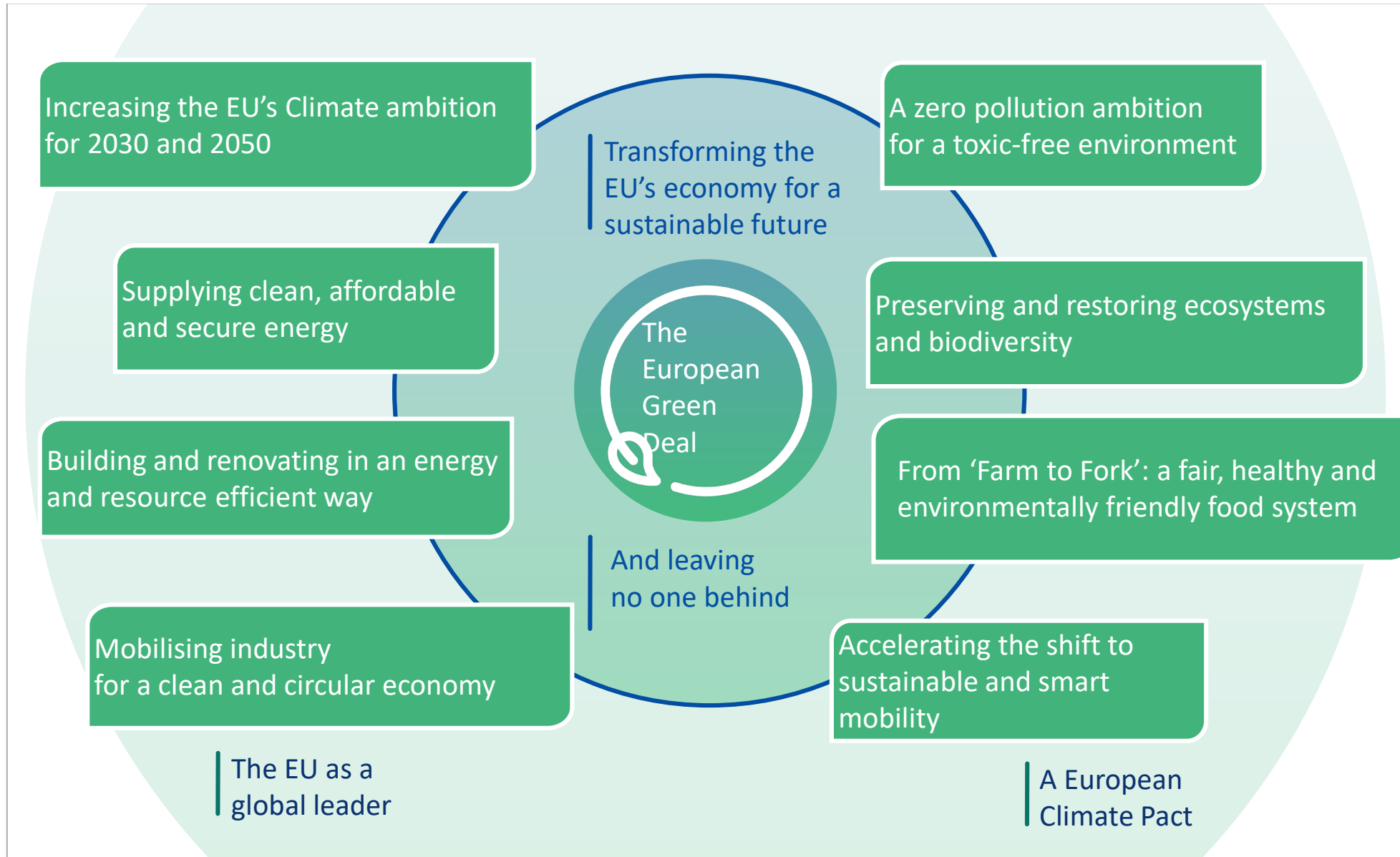




Inhalt

- Politischer Kontext und Bioökonomie in der EU
- Zukünftige Gemeinsame Agrarpolitik (GAP)
- Forschung, Entwicklung und Innovation: AGRI Prioritäten

The European Green Deal – new economic model for EU



**Biorefinery Glas: Ireland's first
grass-fed biorefinery**



**Munter: Added Value for
Agriculture and Nature**



Beispiele lokale Innovationsprojekte (Operationelle Gruppen)

**GO-ACBD: Biodegradable mulch
films to reduce the plastic
footprint in agriculture**



...und viele weitere Inspirationen:

<https://ec.europa.eu/eip/agriculture/en/find-connect/projects>











**Agriplus: Renewable energy and
recycling of fermentation residues**



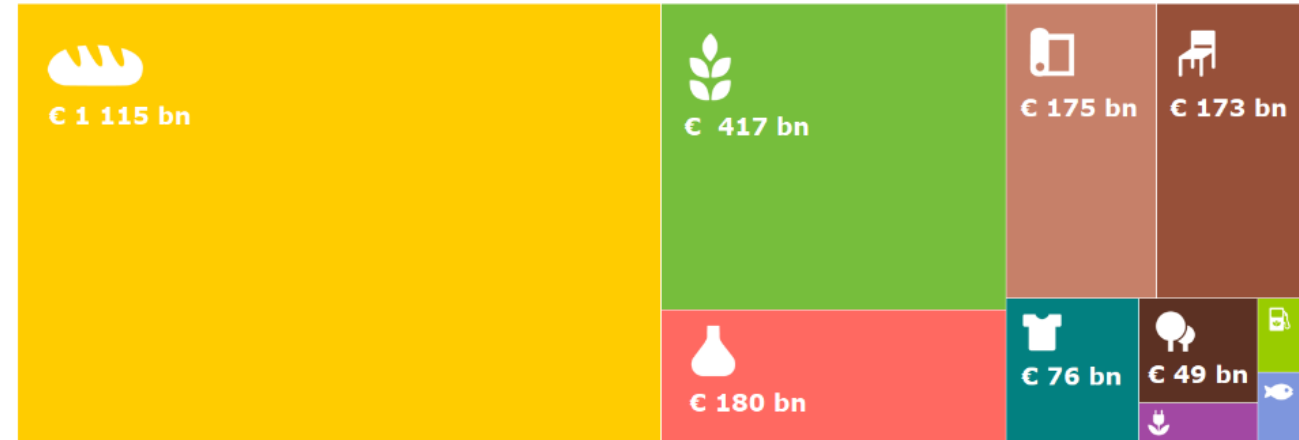
Hemp - from catch crop to textile



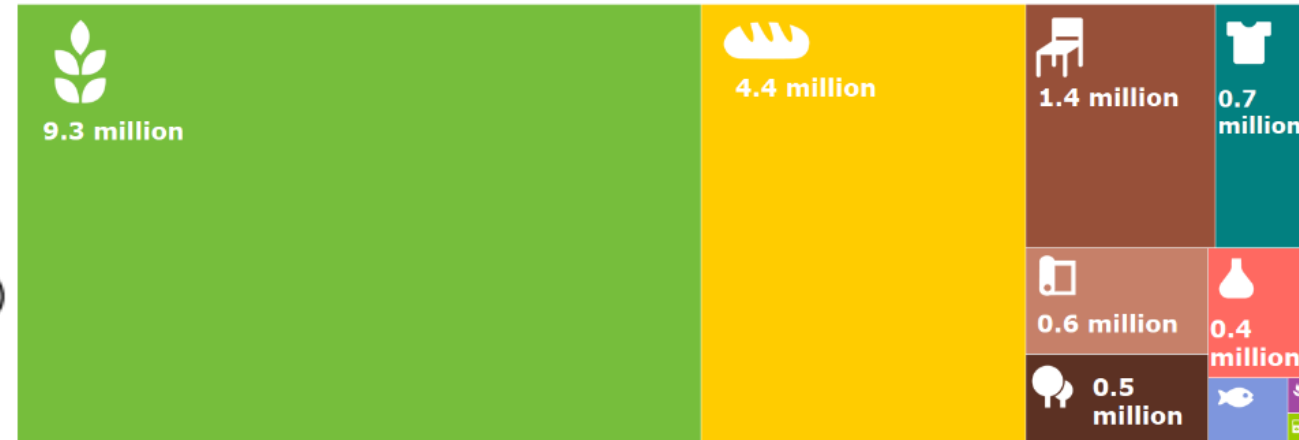
Bioökonomie in der EU

-  Agriculture
-  Forestry
-  Fishing and aquaculture
-  Manufacture of food and beverages and other agro-manufacturing
-  Manufacture of bio-based textiles
-  Manufacture of wood products and furniture
-  Manufacture of paper
-  Manufacture of bio-based chemicals, pharmaceuticals, plastics and rubber (excluding biofuels)
-  Manufacture of liquid biofuels
-  Production of bioelectricity

Turnover - EUR 2.2 trillion

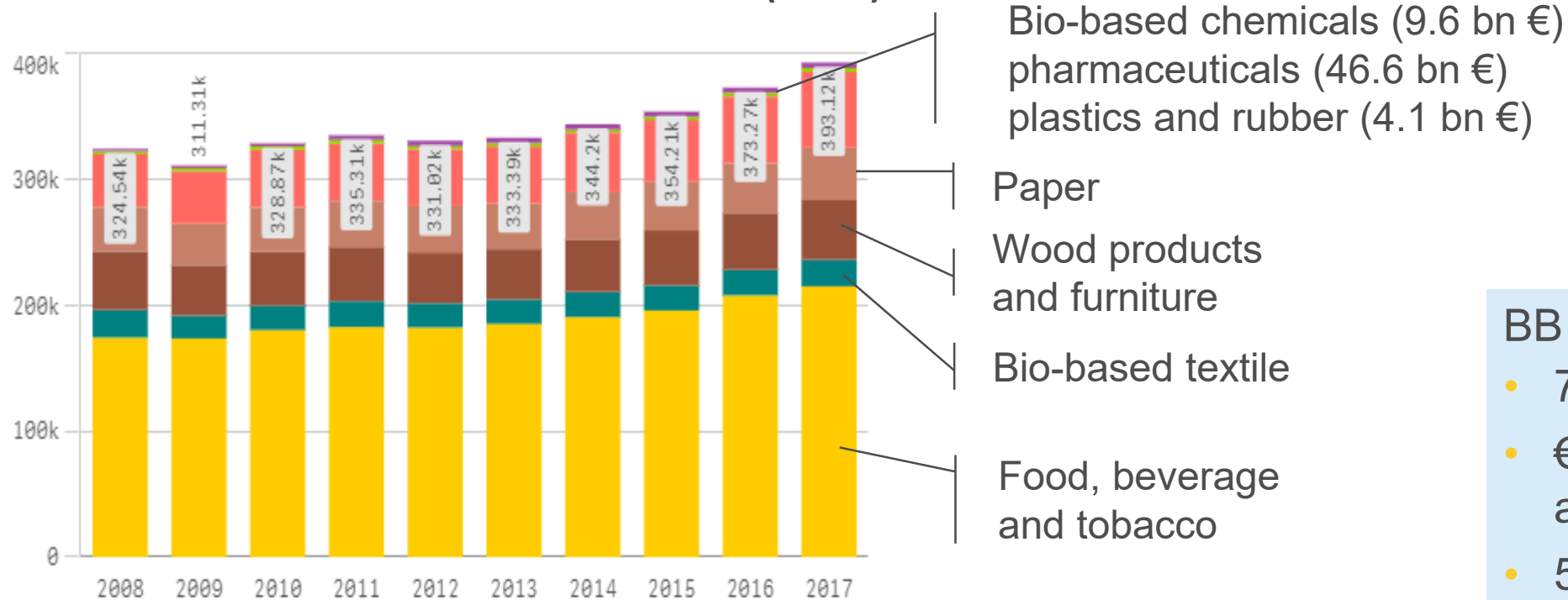


Jobs - 17.5 million people



Bio-basierte Industriezweige im Wachstum

Development of value added growth in the bio-based industries between 2008 and 2017 in EU27 (mio €)



Source: <https://datam.jrc.ec.europa.eu/datam/mashup/BIOECONOMICS/>

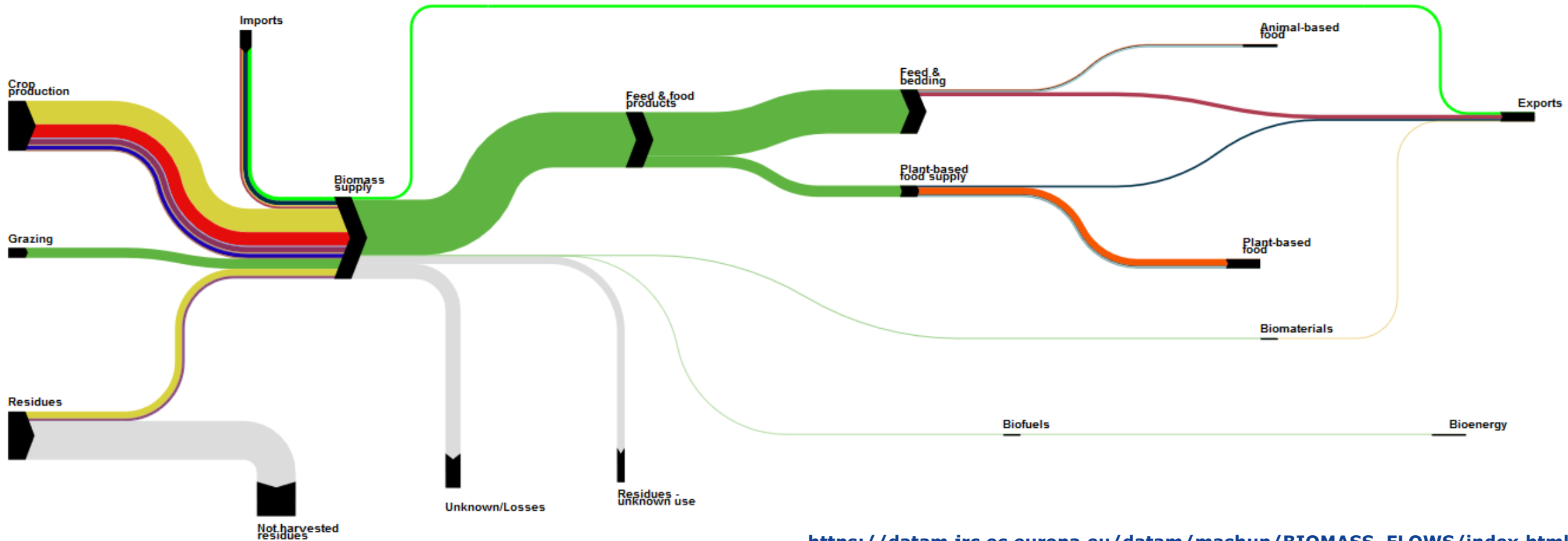
BB industries in EU*

- 7.55 million workers
- € 393 billion of value added
- 5.3% growth from 2016 to 2017

*Construction and waste treatment are not accounted for

Biomasse in der EU (Landwirtschaft)

Imports: 135,267 Production: 791,571 Uses: 644,938 Exports: 107,029



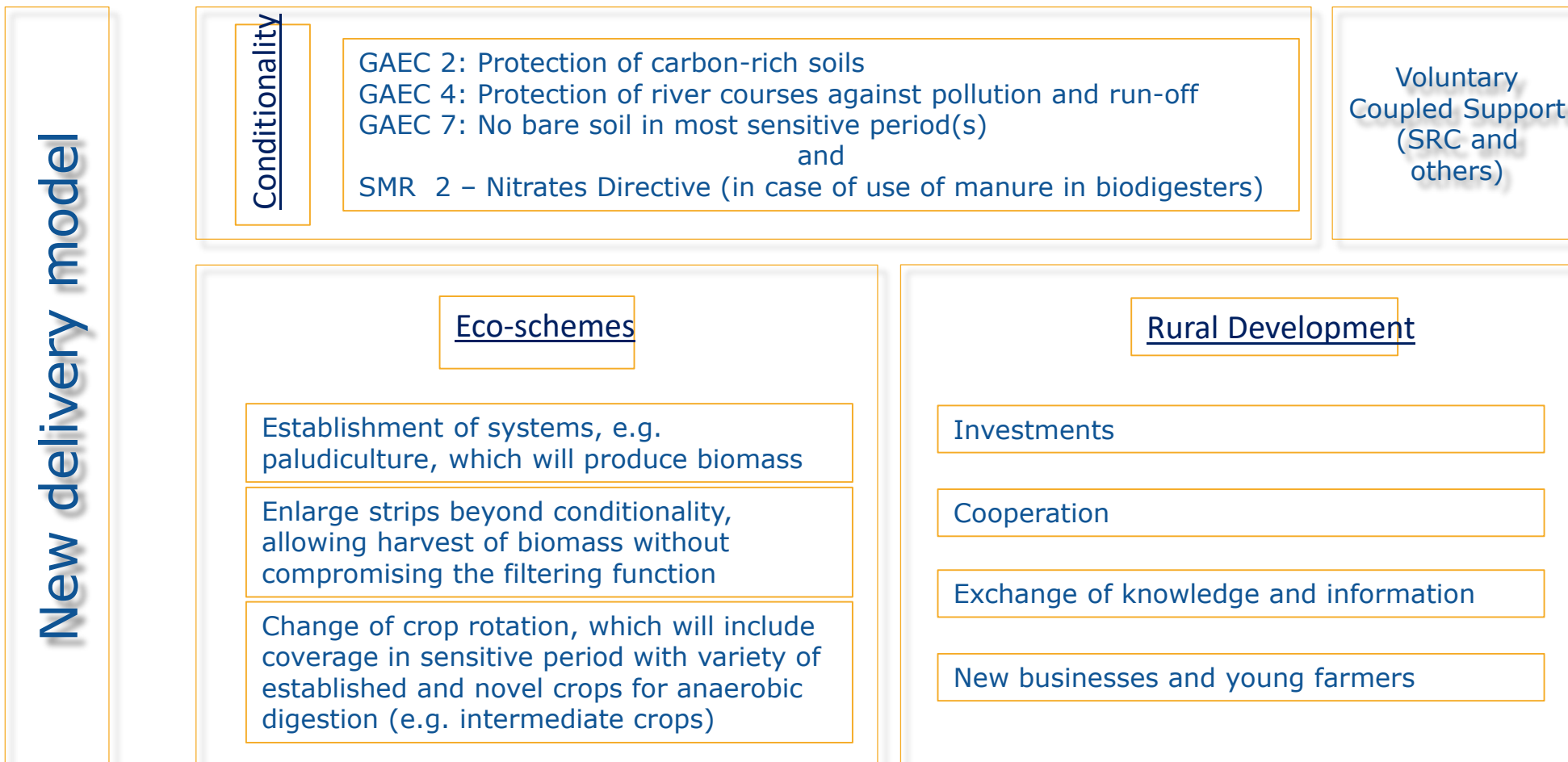
Inhalt

- Politischer Kontext - Bioökonomie in der EU
- Zukünftige Gemeinsame Agrarpolitik (GAP)
- Aktuelle Prioritäten in der Forschung, Entwicklung und Innovation

Future CAP common specific objectives



Möglichkeiten für nationale Strategiepläne



DISCLAIMER: Following examples is for illustrative scope and does not necessarily reflect the official opinion of the European Commission.



Inhalt

- Politischer Kontext und Bioökonomie in der EU
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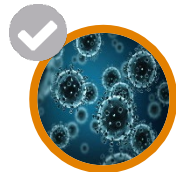
R&I are key enablers...



-50%



-50%



-50%



25%



+10%



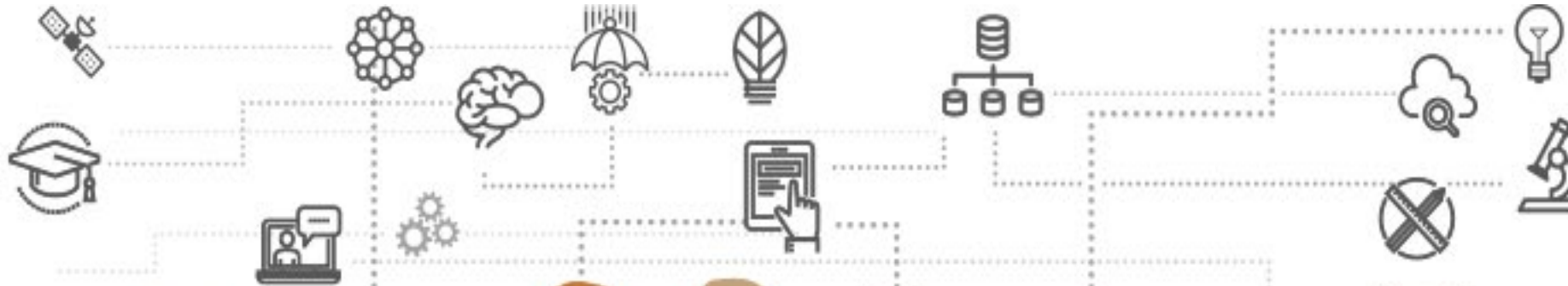
+3 bln



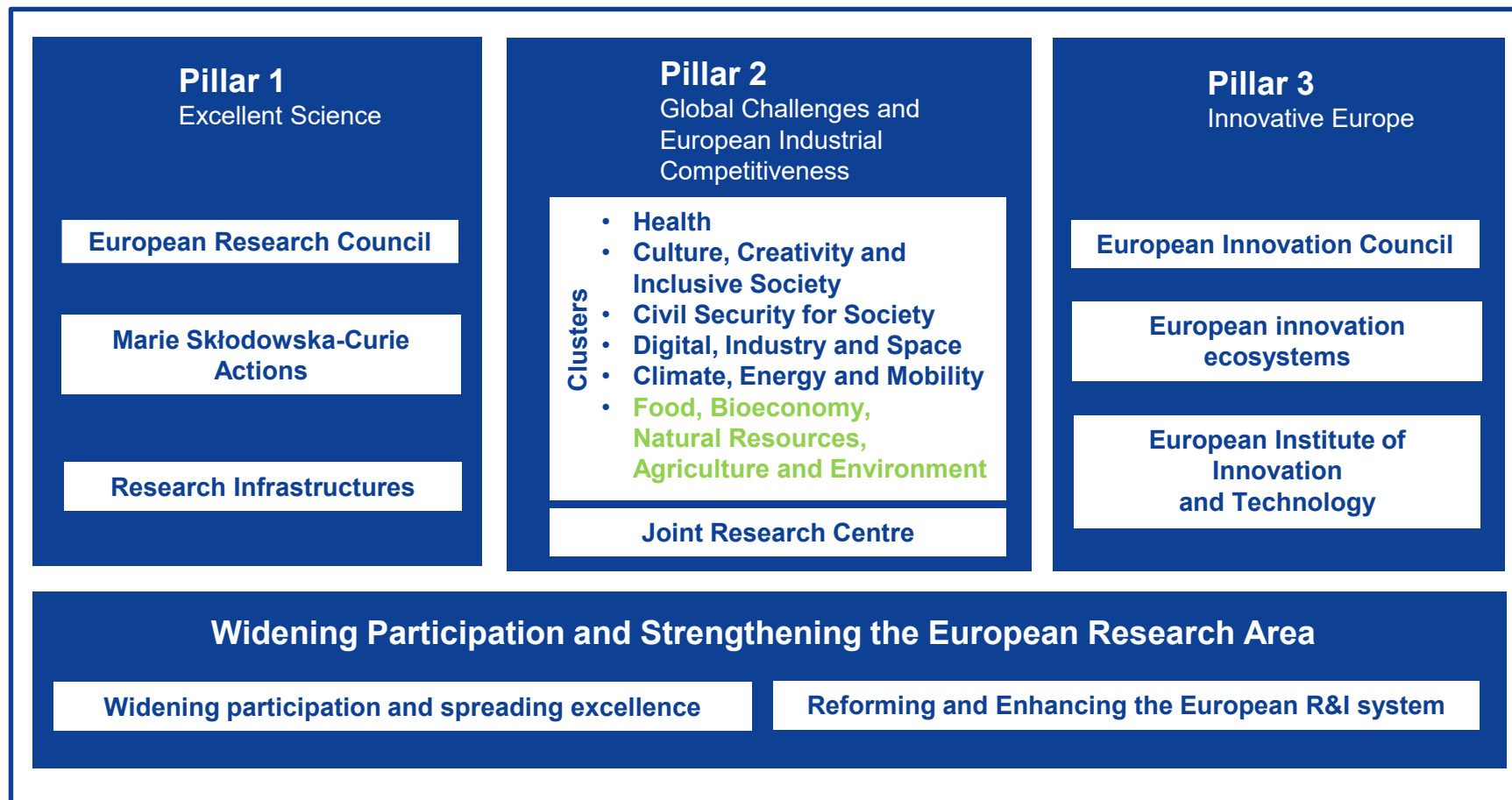
-55%



100%



Horizon Europe - Struktur



EUR 9 Mrd. für Cluster 6 “Food, Bioeconomy, Natural Resources, Agriculture and Environment”

Policies priorities translated in Horizon Europe Cluster 6 WP 2021-2022

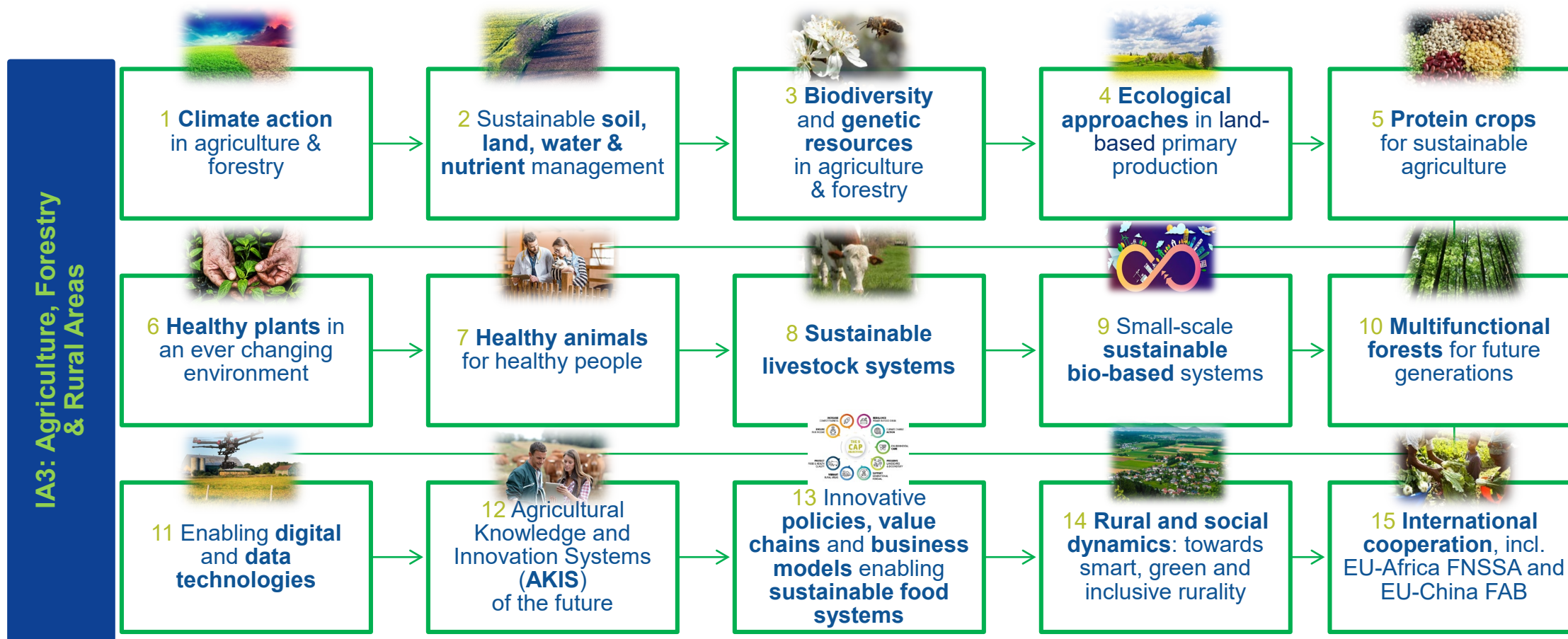


NEW EU FOREST STRATEGY FOR 2030



Cluster 6
Work Programme
2021-2022

Prioritäten: Land- und Forstwirtschaft, ländliche Regionen



Europäische Partnerschaftsinitiativen

2021

2023-2024

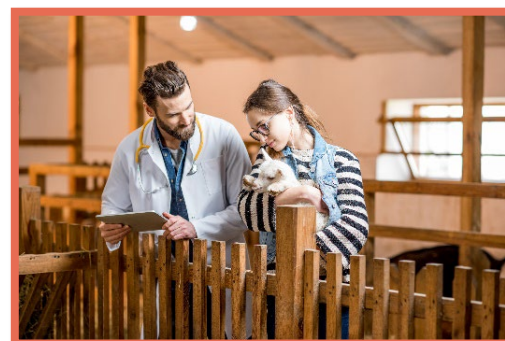
2025



**Circular
Biobased
Europe**



**Agroecology living labs and
research infrastructures**



Animals health and welfare



Agriculture of data



**Safe and sustainable
food systems**



**Possibly:
Forestry**

R&I mission “A Soil Deal for Europe”: 100 living labs and lighthouses to lead the transition towards healthy soils by 2030

Specific objectives

1. Reduce **desertification**

2. Conserve **soil organic carbon stocks**

3. Stop **soil sealing** and increase re-use of **urban soils**

4. Reduce **soil pollution** and enhance **restoration**

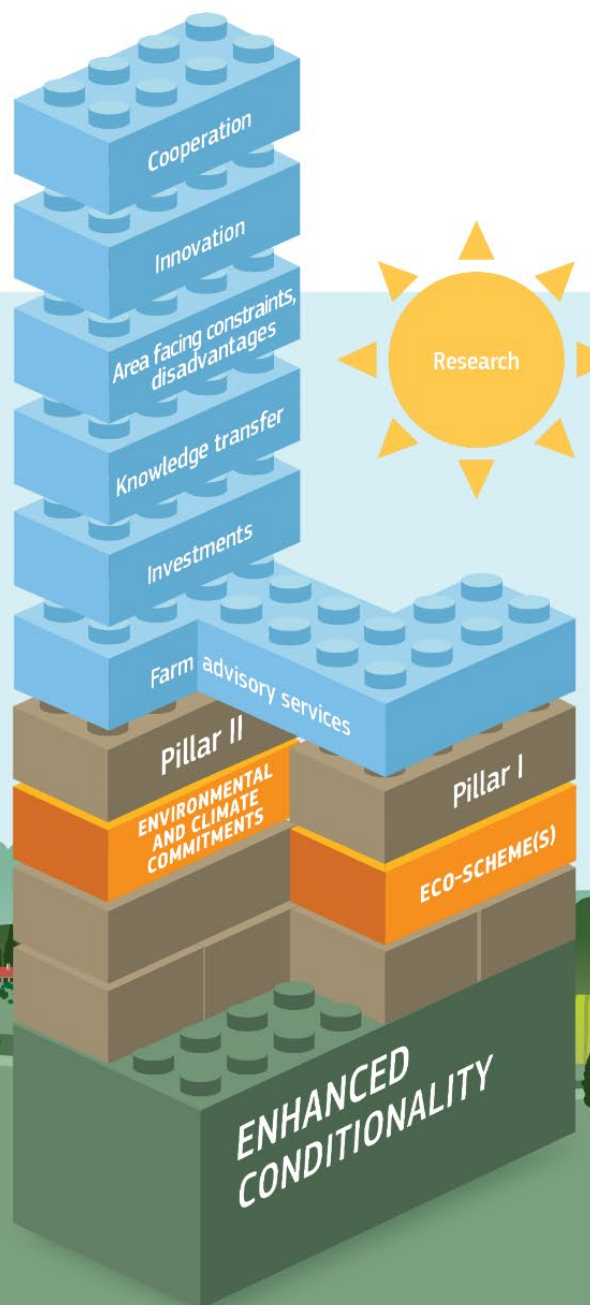
5. Prevent **erosion**

6. Improve soil structure to enhance **soil biodiversity**

7. Reduce the **EU global footprint on soils**

8. Improve **soil literacy** in society





Thank you very much for your attention

CLIMATE

ANIMAL WELFARE

WATER

SOIL

ANIMAL & PLANT HEALTH

BIODIVERSITY