

# Bioökonomie: Perspektiven für die Land- und Forstwirtschaft

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# 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



Increasing the EU's Climate ambition  
for 2030 and 2050

Supplying clean, affordable  
and secure energy

Building and renovating in an energy  
and resource efficient way

Mobilising industry  
for a clean and circular economy

The EU as a  
global leader

Transforming the  
EU's economy for a  
sustainable future

The  
European  
Green  
Deal

And leaving  
no one behind

A zero pollution ambition  
for a toxic-free environment

Preserving and restoring ecosystems  
and biodiversity

From 'Farm to Fork': a fair, healthy and  
environmentally friendly food system

Accelerating the shift to  
sustainable and smart  
mobility

A European  
Climate Pact

**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**



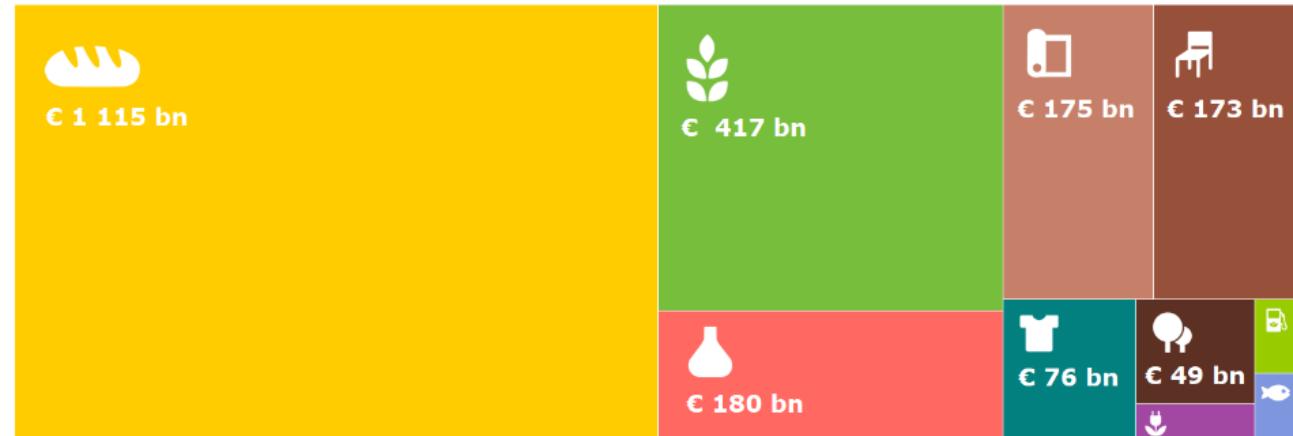
**Hemp - from catch crop to textile**



# 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

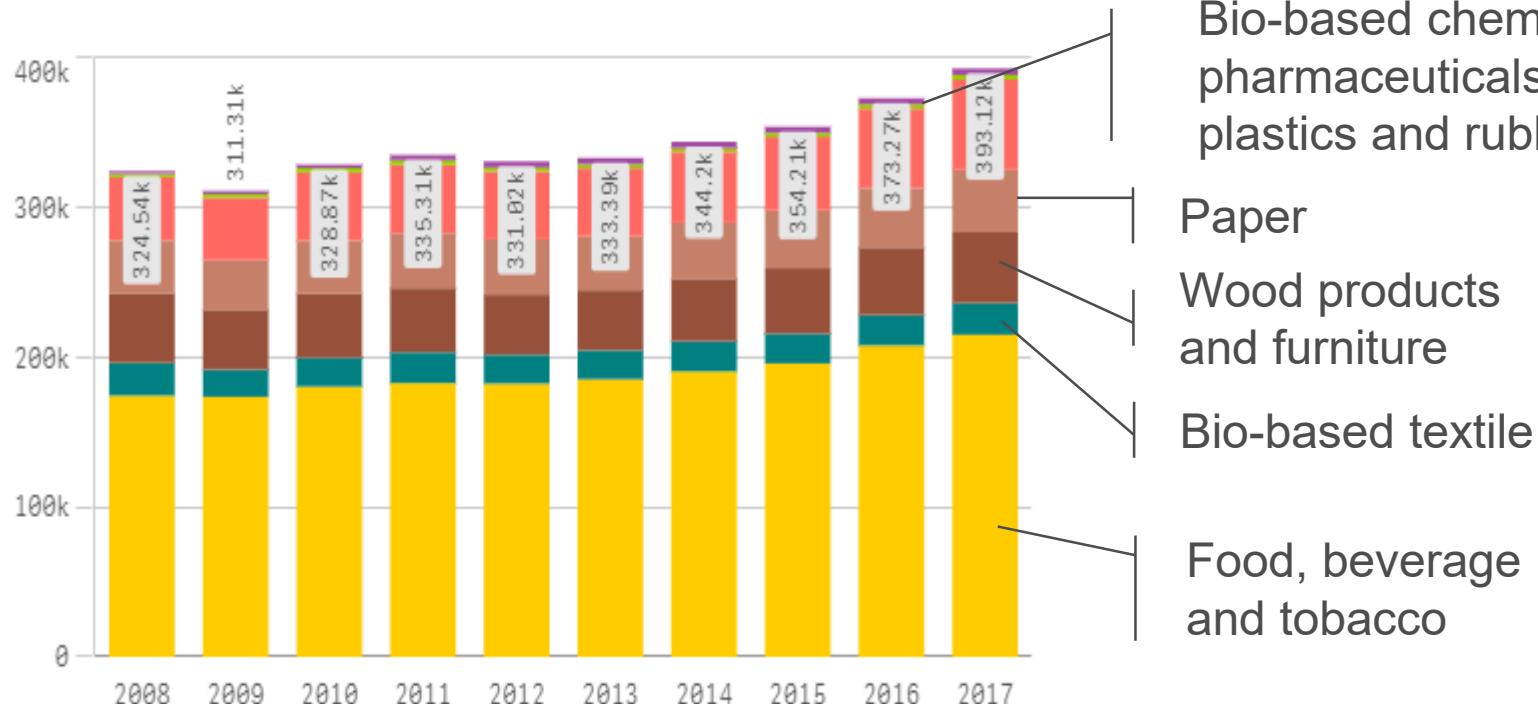


Jobs - 17.5 million people



# Bio-basierte Industriezweige im Wachstum

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



Bio-based chemicals (9.6 bn €)  
pharmaceuticals (46.6 bn €)  
plastics and rubber (4.1 bn €)

Paper

Wood products  
and furniture

Bio-based textile

Food, beverage  
and tobacco

BB industries in EU\*

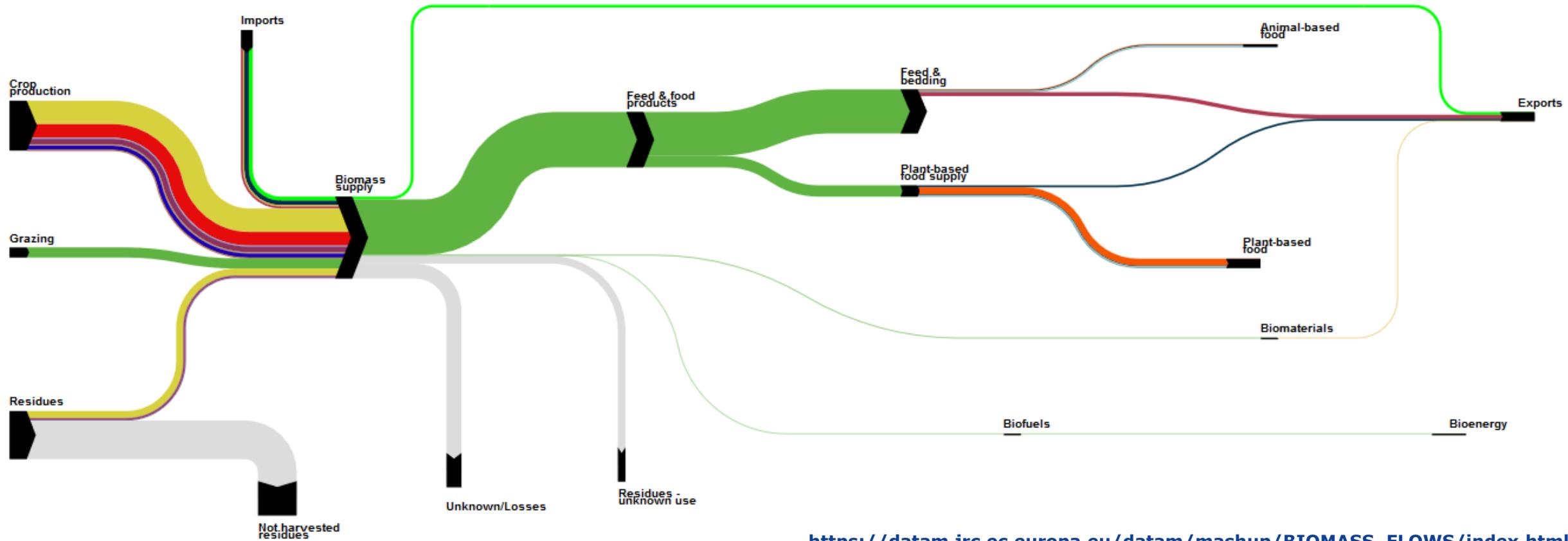
- 7.55 million workers
- € 393 billion of value added
- 5.3% growth from 2016 to 2017

\*Construction and waste treatment are not accounted for

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

# 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

**Cross-cutting objective  
KNOWLEDGE &  
INNOVATION**

Food and Health,  
Animal welfare

Rural Areas  
promote employment, growth, social inclusion  
and local development in rural areas,  
including bio-economy and sustainable forestry

Competitiveness

Viable Income

9 common  
specific  
CAP  
OBJECTIVES

Power in Food Chain

Climate Change  
contribute to CC mitigation and  
adaptation, as well as sustainable  
energy

Resource  
Management

Landscapes &  
Biodiversity

Generational Renewal



# Möglichkeiten für nationale Strategiepläne

## New delivery model

### Conditionality

GAEC 2: Protection of carbon-rich soils  
GAEC 4: Protection of river courses against pollution and run-off  
GAEC 7: No bare soil in most sensitive period(s)  
and  
SMR 2 – Nitrates Directive (in case of use of manure in biodigesters)

Voluntary Coupled Support (SRC and others)

### Eco-schemes

Establishment of systems, e.g. paludiculture, which will produce biomass

Enlarge strips beyond conditionality, allowing harvest of biomass without compromising the filtering function

Change of crop rotation, which will include coverage in sensitive period with variety of established and novel crops for anaerobic digestion (e.g. intermediate crops)

### Rural Development

Investments

Cooperation

Exchange of knowledge and information

New businesses and young farmers

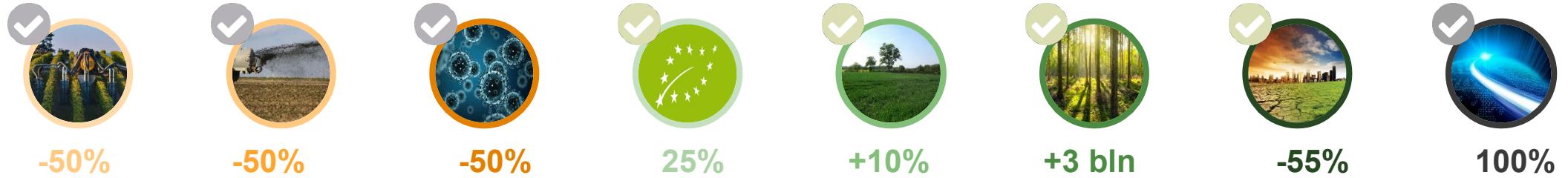
DISCLAIMER: Following examples is for illustrative scope and does not necessarily reflect the official opinion of the European Commission.



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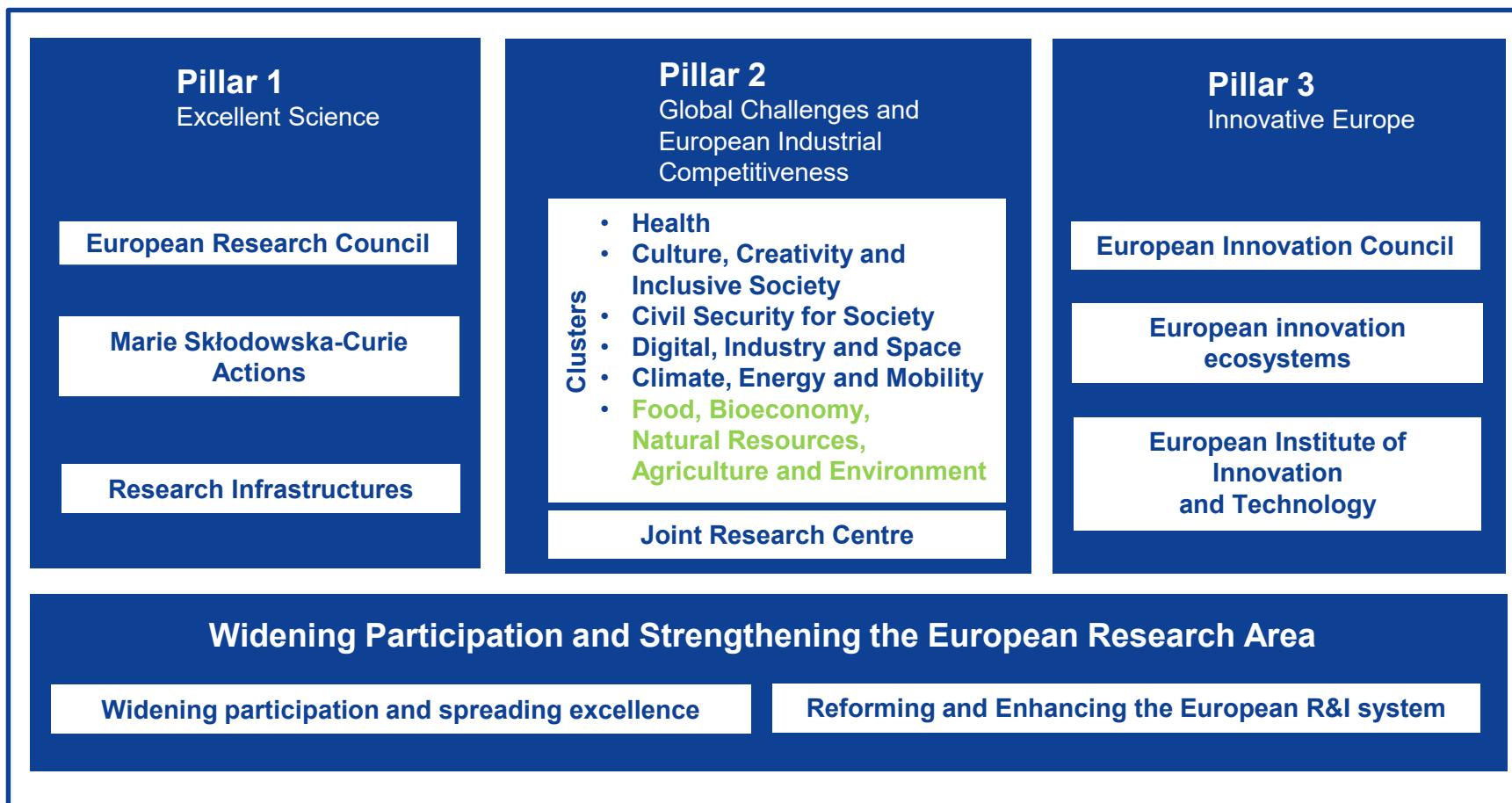
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# R&I are key enablers...





# Horizon Europe - Struktur



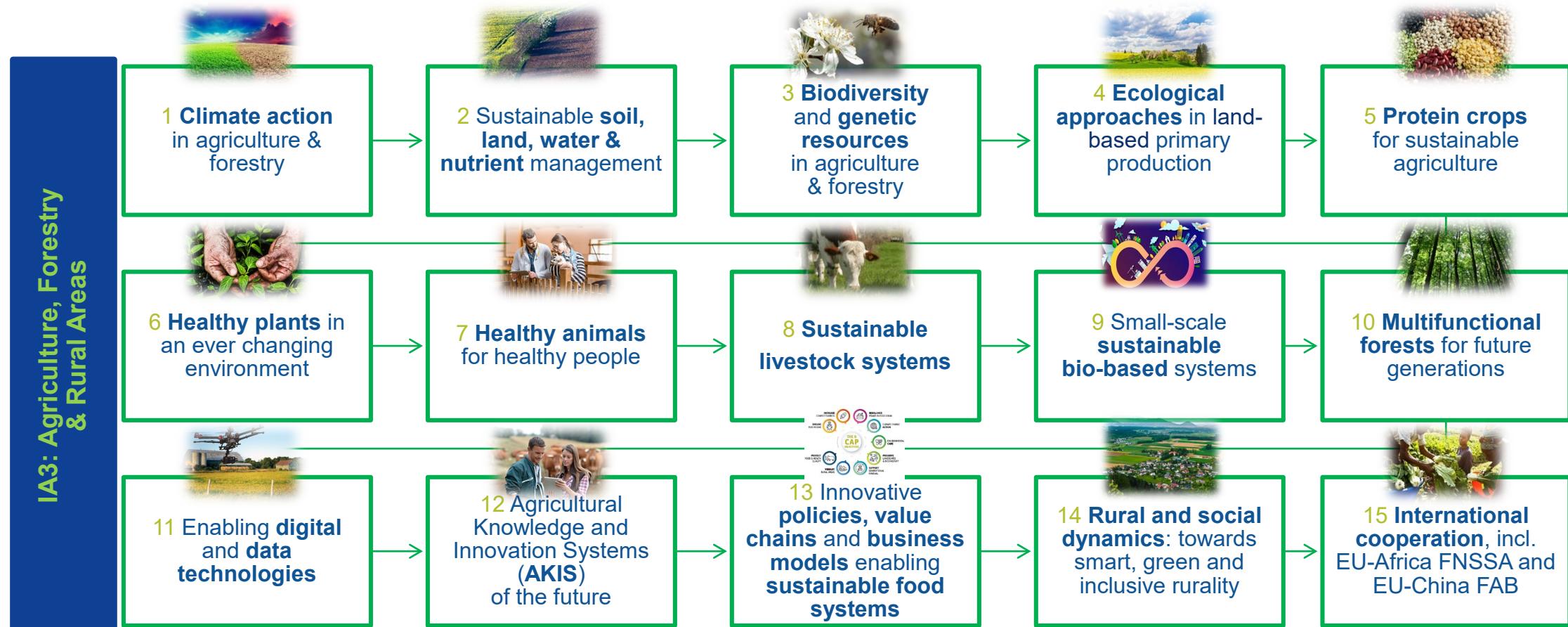
EUR 9 Mrd. für Cluster 6 “Food, Bioeconomy, Natural Resources, Agriculture and Environment”

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



Cluster 6  
Work Programme  
2021-2022

# Prioritäten: Land- und Forstwirtschaft, ländliche Regionen



# Europäische Partnerschaftsinitiativen

2021



**Circular  
Bio-based  
Europe**



**Agroecology living labs and  
research infrastructures**



**Agriculture of data**

2023-2024



**Animals health and welfare**



**Safe and sustainable  
food systems**

2025



**Possibly:  
Forestry**



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

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**

## Specific objectives



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