

Horizon Europe Cluster 6 latest updates

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16th RURAL NETWORKS STEERING GROUP

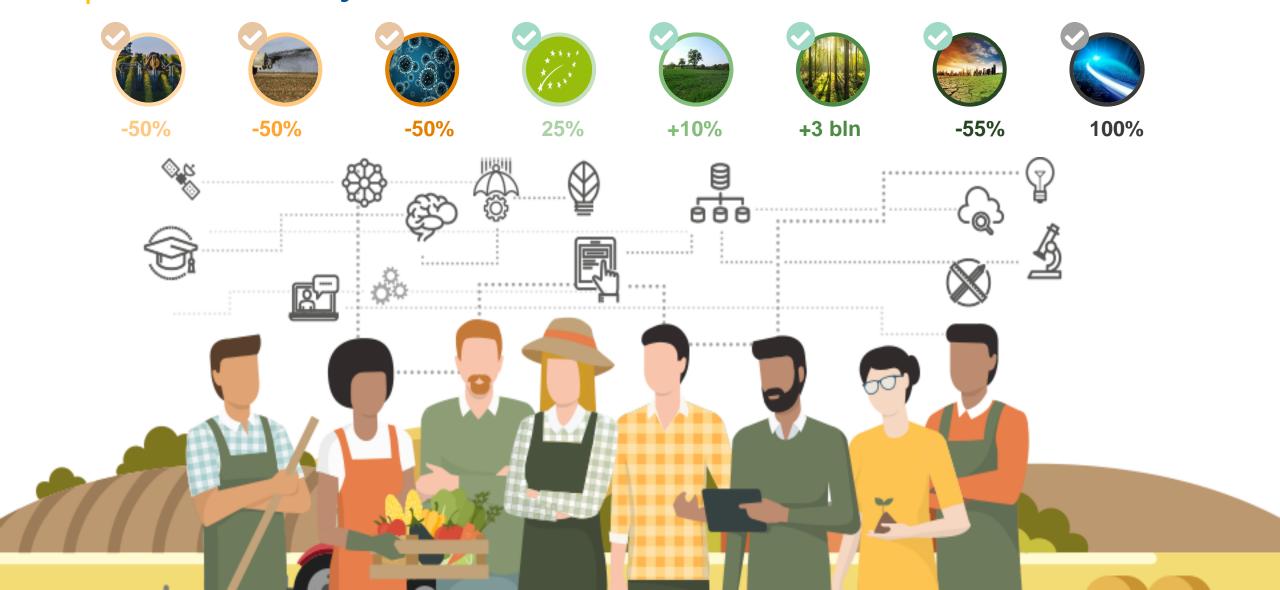
19 October 2021







R&I are key enablers...



Cluster 6 Work Programme 2021-2022



EN

Horizon Europe

Work Programme 2021-2022

9. Food, Bioeconomy, Natural Resources, Agriculture and Environment

(European Commission Decision C(2021)4200 of 15 June 2021)



<u>wp-9-food-bioeconomy-natural-resources-agriculture-and-environment_horizon-2021-2022_en.pdf (europa.eu)</u>





Horizon Europe Cluster 6 – from expected impacts to destinations...

Intervention Areas

Environmental Observation

Biodiversity and Natural Resources

Agriculture, Forestry and Rural Areas

Seas, Oceans and Inland Waters

Food Systems

Bio-based Innovation Systems in the EU Bioeconomy

Circular Systems

Strategic Plan 2021-2024

Impact 1 Climate neutrality and adaptation to climate change

Impact 2 Preservation and restoration of biodiversity and ecosystems

Impact 3 Sustainable and circular management of natural resources

Impact 4 Food and nutrition security for all from sustainable food systems

Impact 5 Balanced development of rural, coastal and urban areas

Impact 6 Innovative governance models enabling sustainability, environmental observation

Work Programme 2021-2022

• **Destination**: Land, oceans and water for climate action



• **Destination**: Biodiversity and ecosystem services



- **Destination**: Circular economy and bioeconomy
- **Destination**: Clean environment and zero pollution



• **Destination**: Fair, healthy and environmentally-friendly food systems from primary production to consumption



 Destination: Resilient, inclusive, healthy and green rural, coastal and urban communities



 Destination: Innovative governance, environmental observations and digital solutions in support of the Green Deal

R&I actions to reach the destinations





















Destination 4





























1 Environmental Observation

2 Biodiversity

3 Agriculture, Forestry and Rural Areas

> 4 Seas, Oceans and Inland Waters

Intervention

IA3

IA3



R&I priority areas...







Destination 1

Destination 2

Destination 3

Destination 4

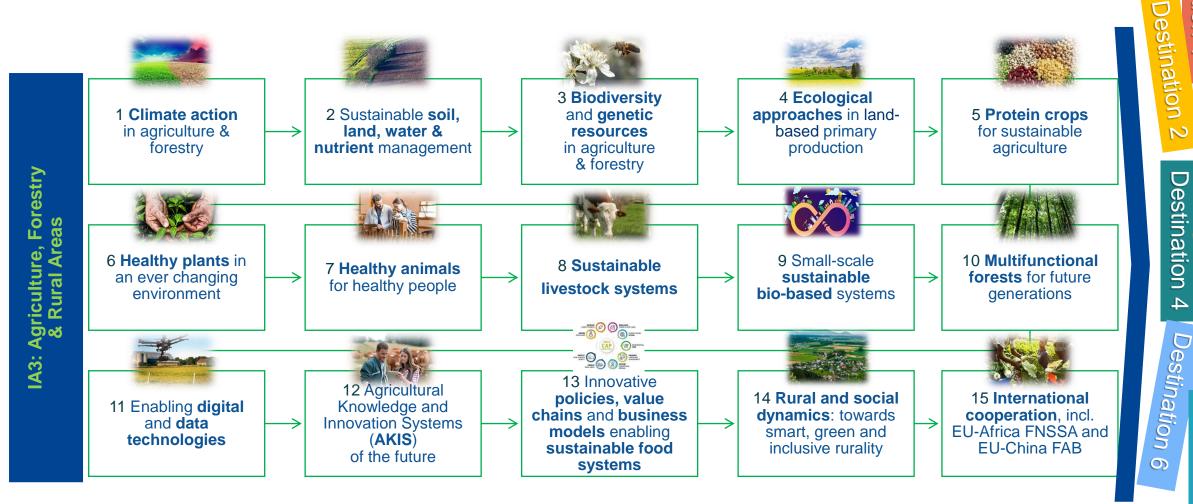
Destination 5

Destination 6

Destination 7



R&I priority areas...



Towards Work Programme 2023-2024 and beyond Cluster 6...

Next Work Programme 2023-2024

- large-scale R&I partnerships:



Agroecology living labs and research infrastructures



Animal health and welfare



Agriculture of data









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

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

MISSIONS

How will the mission be implemented?

Communication material, training curricula for different target groups and specialised "soil advisors"

Harmonisation of indicators,

measuring and reporting for soil health across Europe; contribution to

European Soil Observatory

4. Soil literacy, communication citizen engagement

3. Soil

monitoring

1. R&I programme

Data
infrastructures
and platforms;
knowledge to
support
management
practices, business
models,
technologies

2. Living labs and lighthouses

Activities under the four building blocks to address soil health and drivers of soil health

A network of reallife sites for testing, demonstrating and upscaling of solutions; due attention to balanced representation across regions

Who will act?

Co-implementation of mission by: researchers, land managers, regions, businesses, policy makers, citizens and international partners





Thank you





