

R&I for conservation and use of plant genetic resources

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Joint PRO-GRACE/EMPHASIS

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EU R&I to support conservation and use of genetic

resources (GenRes)

Under Horizon 2020 (2014 – 2020) support to GenRes was part of a wider agenda for diversification, resilience and ecological approaches (including organic farming).



Horizon 2020 projects on Genetic Resources and Breeding*





































DIVERFARMING



















European Research Council

Marie Skłodowska-Curie **Actions**

Research Infrastructures



Pillar 2

Global Challenges and European Industrial Competitiveness

- Health
- Culture, Creativity and **Inclusive Society**

- Inclusive Society
 Civil Security for Society
 Digital, Industry and Space
 Climate, Energy and Mobility
 - · 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

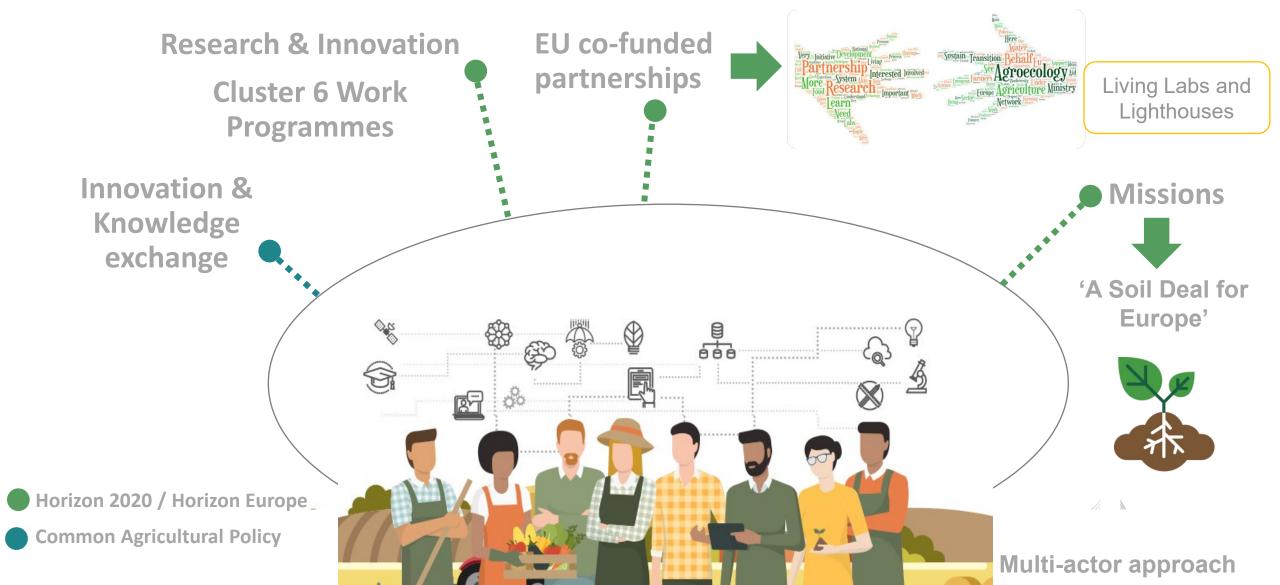


€9 billion

Budget Cluster 6 2021-2027



Instruments and actors: boosting implementation of R&I and impact on the ground



Horizon Europe Cluster 6: R&I for GenRes



Work Programme 2021- 2024

Strategic Plan 2021-2024:

'Improve conservation, management and use of **plant genetic resources**, thereby preserving and enhancing agrobiodiversity.'

- 2021: Breeding for resilience: focus on root-based traits
- 2021: Fostering **organic** crop breeding
- 2022: Boosting breeding for a sustainable, resilient and competitive European **legume sector**
- 2022: Intercropping understanding and using the benefits of complexity in farming and value chains
- 2023: Crop wild relatives for sustainable agriculture
- 2023: Biodiversity friendly practices in agriculture breeding for Integrated Pest Management (IPM)
- 2024: Promoting minor crops in farming systems
- 2024: Promoting pollinator friendly farming systems

Horizon Europe 2021-2024



Breeding for resilience: focus on root-based traits







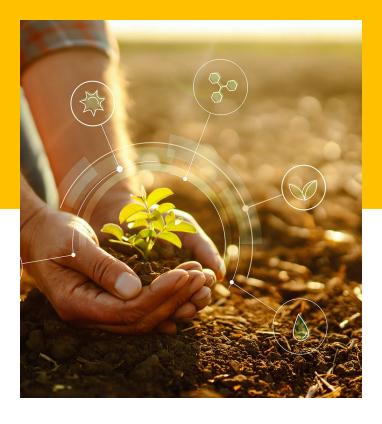
Crop wild relatives for sustainable agriculture







Thank you





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