

eip-agri  
AGRICULTURE & INNOVATION

# EU Science Seminar

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**Joint Africa-EU Strategy (JAES)**  
Signed by Heads of State in 2007; Prioritizing Research and Innovation

**High Level Policy Dialogue (HLPD)**  
Established in 2010; Meetings in 2011, 2013, 2016, 2017, 2019

**Agreed Priority 1: Food and Nutrition Security and Sustainable Agriculture (FNSSA) at the EU-AU Summit in 2014**

**FNSSA Partnership**

**HLPD Bureau**  
**Expert Working Group**

**PRIORITY RESEARCH AND INNOVATION AREAS**



- SUSTAINABLE INTENSIFICATION
- AGRICULTURE AND FOOD SYSTEMS FOR NUTRITION
- EXPANSION AND IMPROVEMENT OF AGRICULTURAL MARKETS AND TRADE
- CROSS-CUTTING ISSUES: RESEARCH INFRASTRUCTURES, CAPACITY BUILDING, EARTH OBSERVATION
- OBJECTIVES
  - Enhance coordination
  - Operate across the entire value chain
  - Design, own, manage, and resource jointly
  - Recognize and address cross-cutting issues

**ACHIEVEMENTS OF THE PARTNERSHIP**



- FUNDING: MORE THAN 390M€ MOBILIZED BY JUNE 2020
  - Horizon 2020 (5 projects)
  - ERANet Cofund LEAP-Agri (27 projects)
  - Development Cooperation Instrument (African Union Research Grants II, 19 projects; DeSIRA, 42 projects)
- PROJECT RESULTS
  - LEAP-Agri network of research funders (9 African + 10 European countries)
  - Contributions to the SDGs, particularly SDG2: Zero hunger
  - Collaborative relationships and co-learning for partners in Africa and Europe
  - Direct benefits to: farmers, rural households, vulnerable groups, consumers
  - Indirect benefits to: research community, value-chain actors, policy-makers
  - Capacity-building, especially for the research community and farmers, and job creation



**BUILDING THE PARTNERSHIP (UP TO 2013)**

- CAAST-Net & CAAST-Net+
- PAEPARD
- ERAFRICA
- ERA-ARD 1, ERA-ARD 2
- ESASTAP, ESASTAP2 & ESASTAP+

**COMPREHENSIVE DATABASE OF PROJECTS**

**MID-PARTNERSHIP (2018 AND ONWARDS)**

- LEAP4FNSSA
- InnoFoodAfrica
- FOODLAND
- HealthyFoodAfrica
- SustInAfrica

**EARLY PARTNERSHIP (LAUNCHED 2014-2017)**

- RINEA
- PROIntensAfrica
- LEAP-Agri
- InnovAfrica
- AfriCultuReS
- SEACRIFOG
- African Union Research Grants II

**PROJECTS IMPLEMENTING THE PARTNERSHIP**



**CONNECTING RESEARCHERS, FUNDERS, POLICY-MAKERS, AND OTHER ACTORS**

**MONITORING AND EVALUATION FOR CONTINUOUS LEARNING AND REFLECTION**

**LINKING TO NEW PRIORITIES AND POLICIES OF THE EU AND AU**

- EU Green Deal
- Towards a comprehensive strategy with Africa
- AU Science, Technology and Innovation Strategy for Africa 2024
- Comprehensive Africa Agriculture Development Programme

**LONG-TERM ACTIONS**



# The FNSSA partnership



THE AFRICA-EU PARTNERSHIP

LE PARTENARIAT AFRIQUE-UE

Joining effort to tackle common EU-AU challenges:

- global hunger,
- nutritional imbalances,
- Climate change mitigation and adaptation
- Reduce environmental impact of farming
- need for **sustainable food production systems** to respond to the rising demands of a global population.

The partnership **avoids fragmentation** of efforts and shares knowledge (new and traditional) and **boost** innovation processes.

# EU-Africa FNSSA - 10 years roadmap

Four priority themes are proposed as a basis for a joint research agenda of the EU-Africa Research and Innovation Partnership:

1. Sustainable intensification;
2. Agriculture and food systems for nutrition;
3. Expansion and improvement of agricultural trade and markets;
4. A group of cross-cutting topics.

# EU-Africa cooperation under Horizon Europe

## Green Transition

Calls	Year	Budget (MEUR)
8. One Health approach for Food Nutrition Security and Sustainable Agriculture (FNSSA)	2021	18
9. Agro-ecological approaches in African agriculture systems	2022	28
10. AU-EU Combatting all forms of malnutrition	2022	11
11. African Food cities	2022	12
12. Expertise and training centre on rural innovation	2021	5
13. Socio-economic empowerment of the users of the sea	2021	6



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**HORIZON-CL6-2022-FARM2FORK-01-13**

African Union – European Union Combatting all forms of malnutrition 

**Research and Innovation Actions**



# HORIZON-CL6-2022-FARM2FORK-01-13



## POLICY CONTEXT

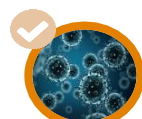
- EU-African Union research and innovation priority on Food and Nutrition Security and its roadmap 2016-2026
- The EC Communication 'Towards a **comprehensive Strategy with Africa**' including a focus on stepped up cooperation in R&I with Africa
- European **Green Deal** priorities, the Farm to Fork Strategy for a fair, healthy and environment-friendly food system, the EU's climate objectives for 2030 and 2050 and SDGs.



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25%



## EXPECTED OUTCOMES

Better informed nutrition policies that can be scaled-up by initiatives such as SUN (Scaling-Up Nutrition).

Improved nutrition in African countries reducing all forms of malnutrition through safe, healthy and affordable diets, including dietary shifts, that reduce the pressure of food production on land and water use and reduces the climate footprint of downstream activities from farm to fork.

*Related impact:  
sustainable, healthy and  
inclusive food systems  
delivering co-benefits*



# HORIZON-CL6-2022-FARM2FORK-01-13

## Some elements of the SCOPE



- Mapping and monitoring of dietary patterns at national/regional/rural/urban levels relevant to different socio-economic and cultural groups.
- Contribute to standardized metrics and tools to measure the food environment.
- Improved knowledge and measurement of the factors influencing dietary behavior in selected African countries.
- Assessment of the value of and potential for scaling-up of sustainable traditional food knowledge.
- Supporting the development of new integrated policy-making and implementation efforts such as the scaling-up nutrition initiative within and across countries.
- Contributing to the mapping and monitoring of mycotoxin effects in unsafe foods and diet-related non-communicable diseases (NCDs).
- A space for mentoring and acceleration of innovative business concepts, including social innovation and upscaling for promising approaches using cascading funding opportunities.



## INDICATIVE BUDGET

**11 M EUR** per project  
(**11 M EUR** in total)



## Important!

At least 5 legal entities  
established in Africa in 3  
different regions

Multi-actor approach

Collaboration with other  
projects

SSH flagged topic

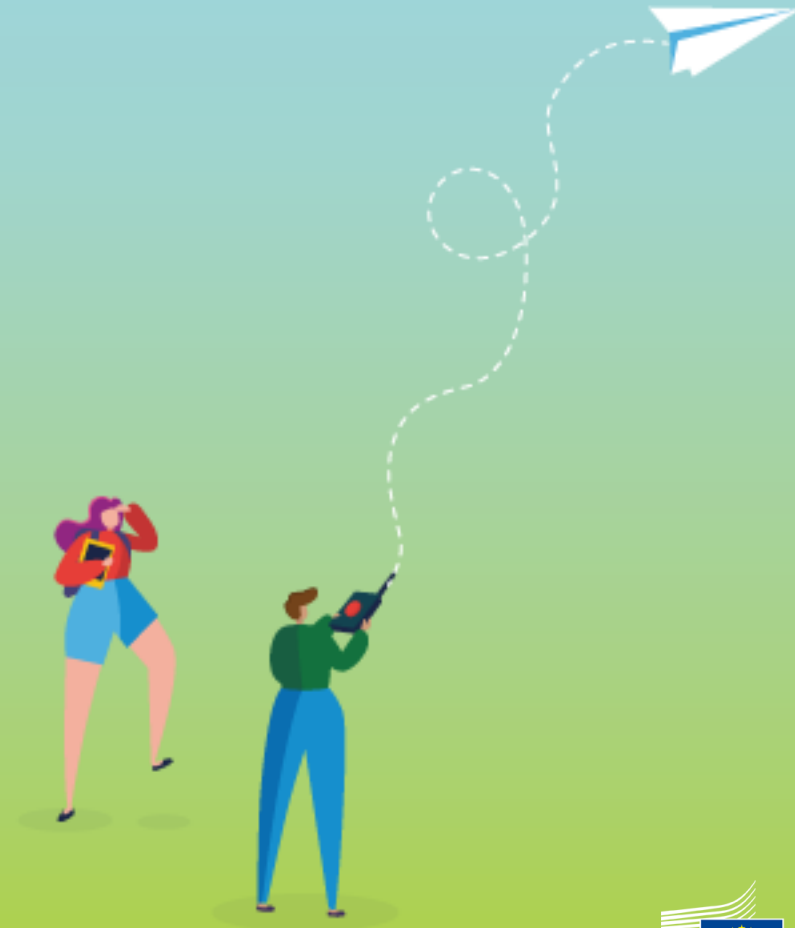


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**HORIZON-CL6-2022-FARM2FORK-01-14**

African Food Cities

**Research and Innovation Actions**



# HORIZON-CL6-2022-FARM2FORK-01-14



## POLICY CONTEXT

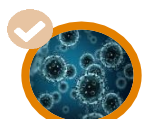
- EU-African Union research and innovation priority on Food and Nutrition Security and its roadmap 2016-2026
- The EC Communication 'Towards a **comprehensive Strategy with Africa**' including a focus on stepped up cooperation in R&I with Africa
- European **Green Deal** priorities, the Farm to Fork Strategy for a fair, healthy and environment-friendly food system, the EU's climate objectives for 2030 and 2050 and SDGs.



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## EXPECTED OUTCOMES

A shift to food security and improved nutrition in five African cities (could encompass rural urban centres and cities) through a shift to healthy and affordable diets that reduces the pressure of food production on land and water use and reduces the climate footprint of downstream activities from farm to fork.

Reducing the food-system-related environmental footprint, improving circularity (e.g. food and packaging waste), and providing citizens with new, sustainable and healthy products.

*Related impact:  
sustainable, healthy and  
inclusive food systems  
delivering co-benefits*

# HORIZON-CL6-2022-FARM2FORK-01-14

## Some elements of the SCOPE



- Understanding: promoting multi-stakeholder collaborations in assessing data on food challenges identifying opportunities and indicators in developing urban food policies.
- Engaging: mobilising food system actors to help provide local solutions to integrated food system challenges.
- Supporting the development of new integrated policy-making and implementation efforts such as the scaling-up nutrition initiative within and across countries.
- Mutual learning: networks of African cities and towns to share good practices and learn from and support each other. This implies also involving cities (in Africa, Europe or elsewhere) with well-developed food
- Innovation: proposals should envisage a space for mentoring and accelerating innovative business concepts, including social innovation and upscaling in view of African or European food business entrepreneurs with special consideration of women and the diaspora using cascading funding opportunities.
- Where relevant, creating links to and using the information and data of the European Earth observation programme Copernicus, ..



## INDICATIVE BUDGET

**12 M EUR** per project  
**(6 M EUR** in total)



### Important!

At least 5 legal entities  
established in Africa in 3  
different regions

Multi-actor approach

Collaboration with other  
projects

SSH flagged topic



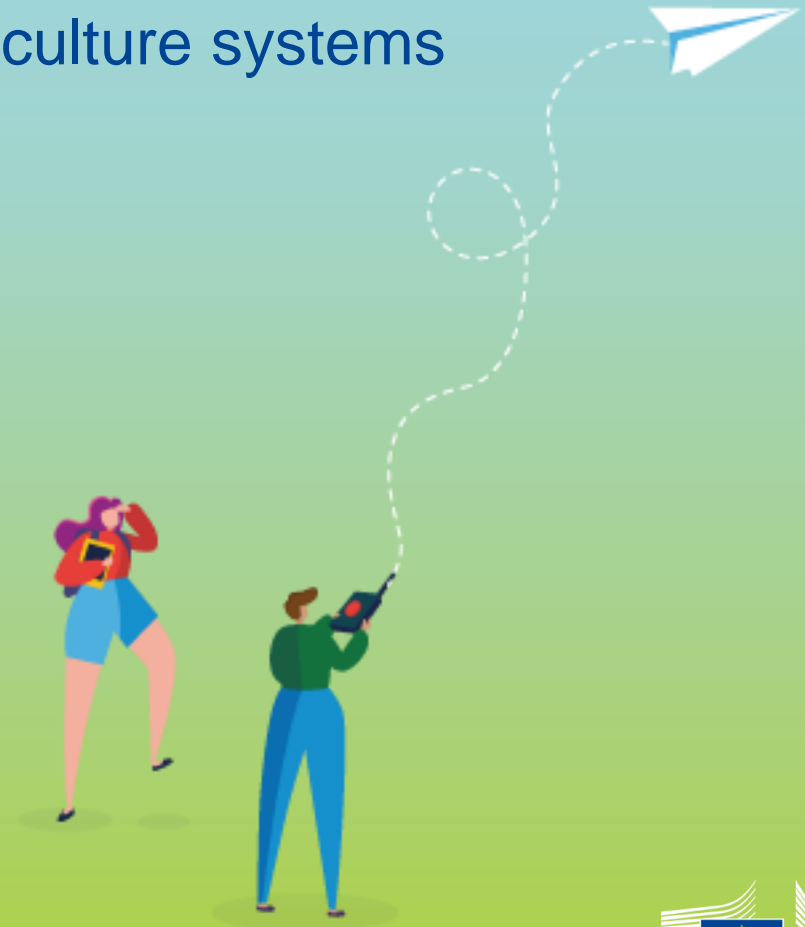
European  
Commission

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**HORIZON-CL6-2022-FARM2FORK-01-12**

Agro-ecological approaches in African agriculture systems

**Research and Innovation Actions**



# HORIZON-CL6-2022-FARM2FORK-01-12



## POLICY CONTEXT

- The EC Communication 'Towards a comprehensive Strategy with Africa' including a focus on stepped up cooperation in R&I with Africa
- The EU – Africa R&I ministers agreed to work on a Green Transition investing through R&I Partnerships such as FNSSA
- The farm to fork strategy calls for global Green Alliances on sustainable food systems
- EU Climate ambition for 2030 and 2050



## EXPECTED OUTCOMES

- ✓ EU – Africa jointly tackle **climate change and environment-related challenges**, contribute to the **SDGs** in particular **SDG 2**
- ✓ Identification of **agro-ecological practices** that increase climate change mitigation and adaptation in different agro-ecological zones in Africa while ensuring the **financial viability** of businesses,
- ✓ Quantification and assessment of **socio-economic and environmental performance** of agro-ecological strategies
- ✓ Increased **end-user adoption and implementation** of agro-ecological practices
- ✓ Provide scientific support for relevant EU policies and priorities

**Related impact:**  
sustainable, productive,  
climate-neutral and  
resilient farming systems

# HORIZON-CL6-2022-FARM2FORK-01-12



## SCOPE

- Identify and evaluate the most suitable agro-ecological strategies for various farming systems in different agro-ecological zones, in Africa
- Method to identify the best combination of agro-ecological practices for different farming systems, considering barriers and drivers for its wide implementation at different level
- Develop indicators to monitor and measure the qualitative and quantitative impacts of these strategies for different farming systems
- Support farmers, advisory services and actors in value chains in implementing agro-ecological practices by establishing communities to support capacity building, knowledge exchange, and share best practices
- Identify approaches and methods to enhance the demand for food products resulting from agro-ecological practices, from local, national, regional and international markets



## INDICATIVE BUDGET

**EUR 7 million** per project  
(**EUR 28 million** in total)



## Important!

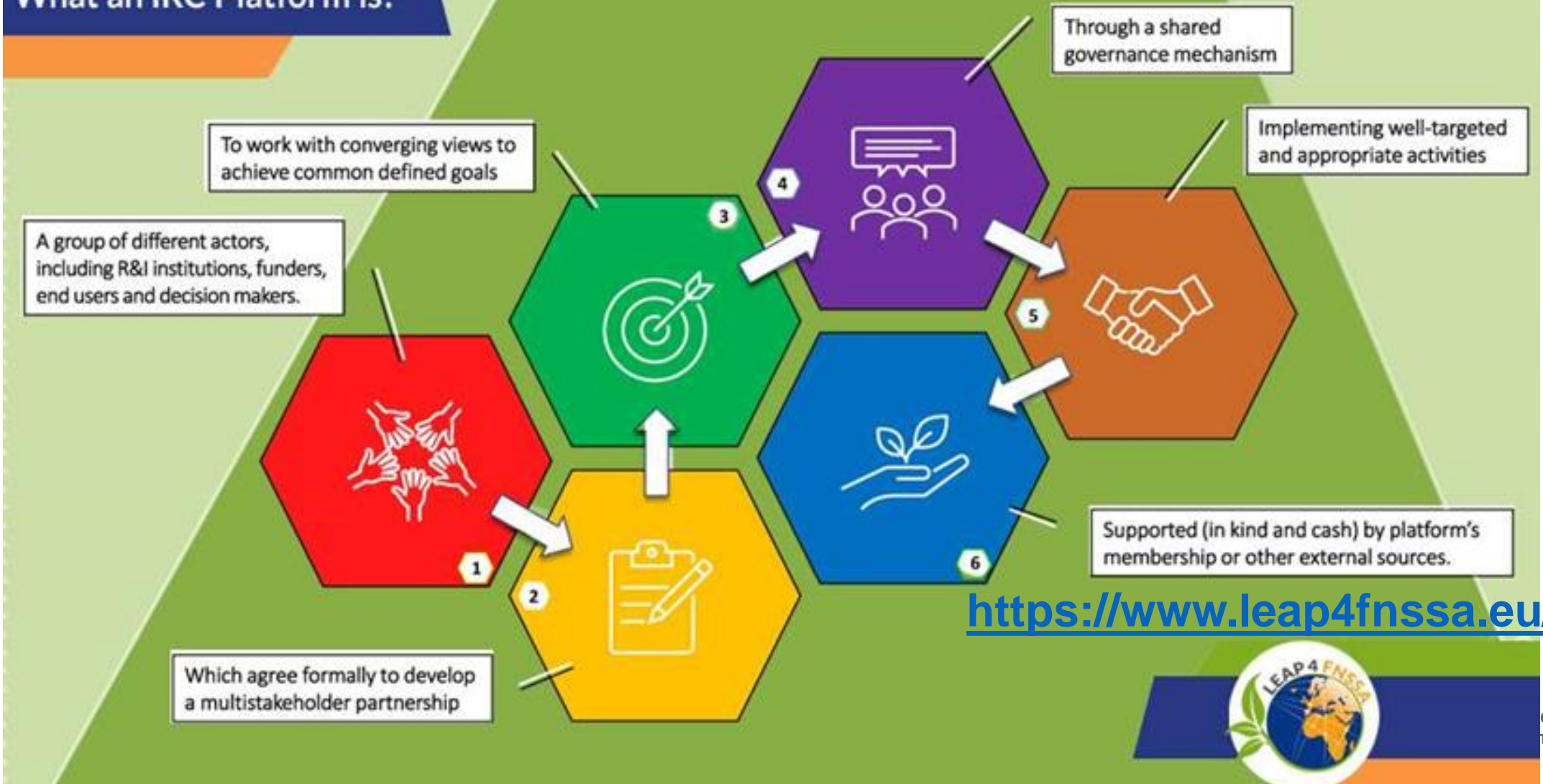
At least 8 legal entities established in Africa (5 from the same region)

Multi-actor approach

IO established in EU or AC are eligible for funding

# The future platform for the EU-AU FNSSA partnership - IRC

## What an IRC Platform is?





# EIP-AGRI in a nutshell



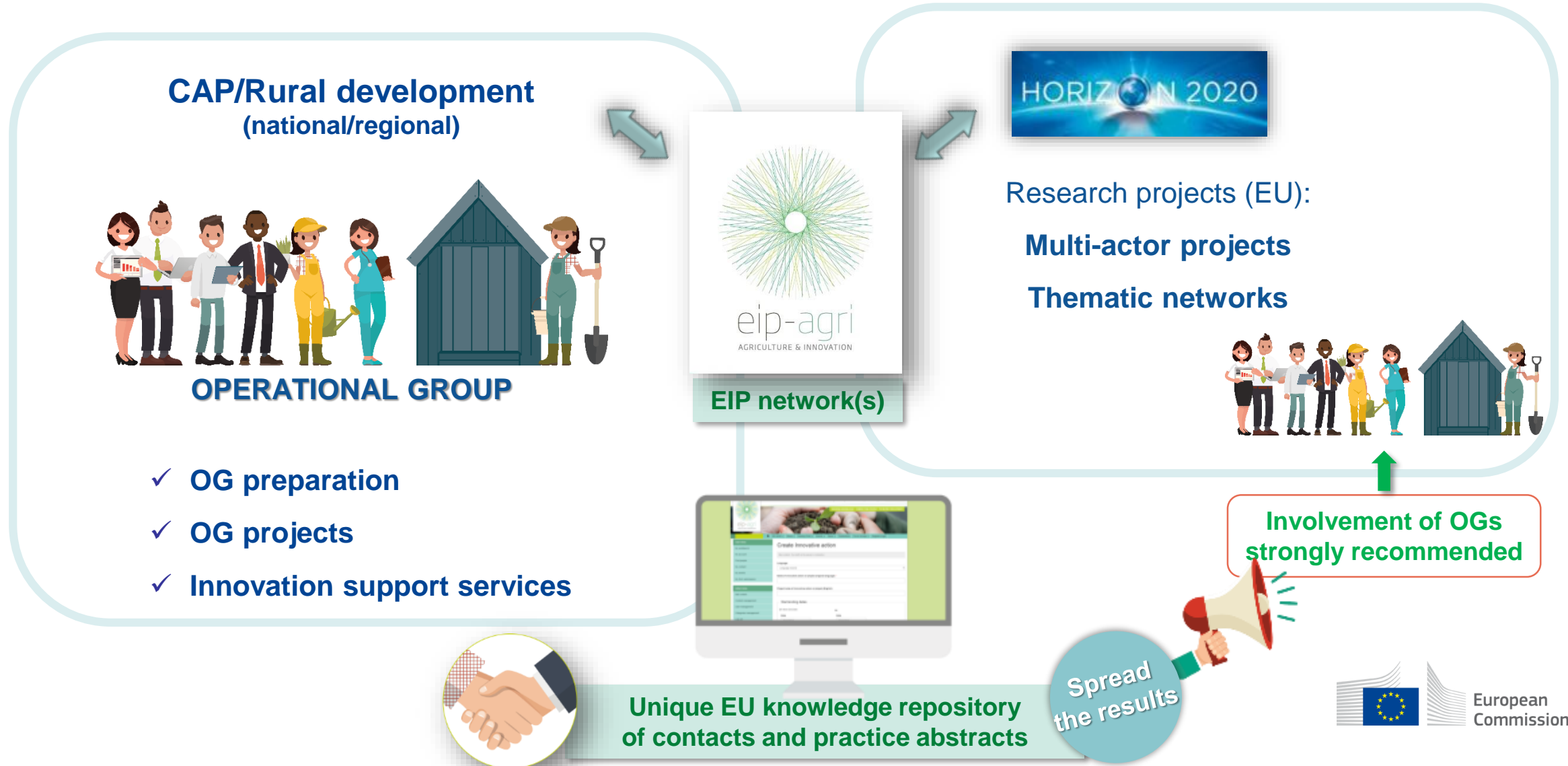
**Launched** by the Commission in February 2012 (COM (2012)79)

**Aim:** To foster a competitive and sustainable agriculture and forestry sector that "achieves more from less"

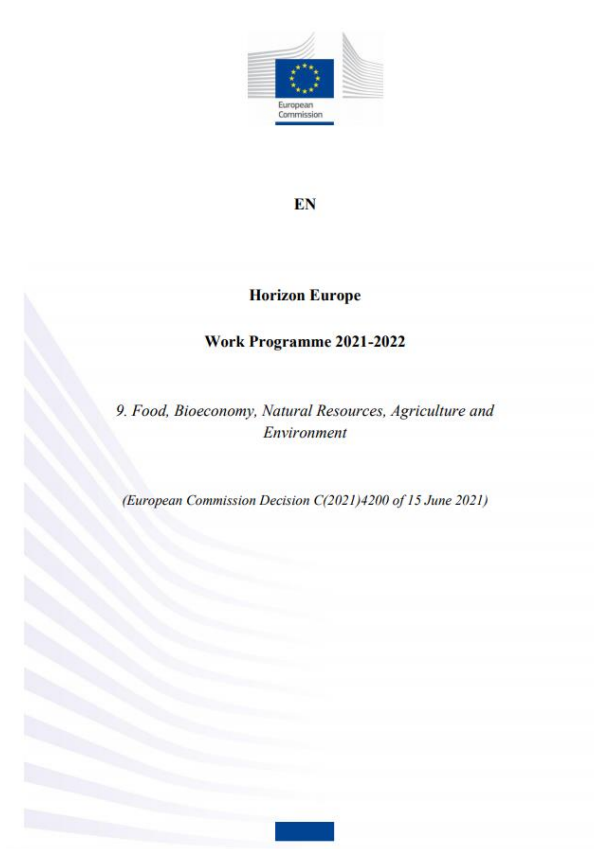
**Approach:** Closing the innovation gap between research, innovation and practice by:

- using the **interactive innovation model**
- linking actors via the **EIP Network**

# EIP connecting policies: the bigger picture



# Cluster 6 Work Programme 2022 Recording of infodays (25.-26.10.2021) still available



CHECK THIS OUT!

[https://ec.europa.eu/info/research-and-innovation/events/upcoming-events/horizon-europe-info-days/cluster-6\\_en](https://ec.europa.eu/info/research-and-innovation/events/upcoming-events/horizon-europe-info-days/cluster-6_en)



[wp-9-food-bioeconomy-natural-resources-agriculture-and-environment\\_horizon-2021-2022\\_en.pdf \(europa.eu\)](https://ec.europa.eu/info/research-and-innovation/events/upcoming-events/horizon-europe-info-days/cluster-6_en)