



# EU Urban Agriculture calls and actions

*EUFA FACTS! Conference  
Unlocking the Potential of Urban Agriculture  
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# Contents

- Projects under Horizon 2020
- Horizon Europe & Urban farming
- Maximising R&I impacts

# Horizon 2020

Projects on urban farming or of  
interest to urban farming



# Urban agriculture Europe (COST)



- Mapped and brought the science community together
- Definitions/typologies: gardening/urban farming
- Calculated values (eco, social, environmental)
- Strong focus on social outcomes

# Horizon 2020 – Urban & vertical farming

## all bottom-up!

- [PROTEAN](#) - Prospective environmental assessment of urban agriculture emerging-systems (MSCA – Uni. Barcelona – 170K€)
- [INFARM](#) - *The vertical farming revolution, urban farming as a service* proposes an innovative solution for sustainable agriculture based on vertical farming (SME-Instrument – Infarm - Indoor urban farming GmbH - 2M€)
- [SiEUGreen](#) - *Sino-European innovative green and smart cities* (IA – Norges Univ.- 7M€)
- [EIT-FOOD – PlantLab - Impact on sustainability, shelf life and nutritional value by vertically farmed leafy greens via a new local supply chain](#)

# Horizon 2020 – Value chains and urban food policies

- **Short value chains:**

- [SMARTCHAIN](#)
- [SKIN](#)

- **Small-scale processing**

- [FOX](#)
- [SHEALTHY](#)

- **Urban food policies, urban-rural:**

- [ROBUST](#); [COASTAL](#)
- [CITIES2030](#); [FOOD TRAILS](#)



# The need for a comprehensive vision



Social aspects



Technological aspects



Food



Environment

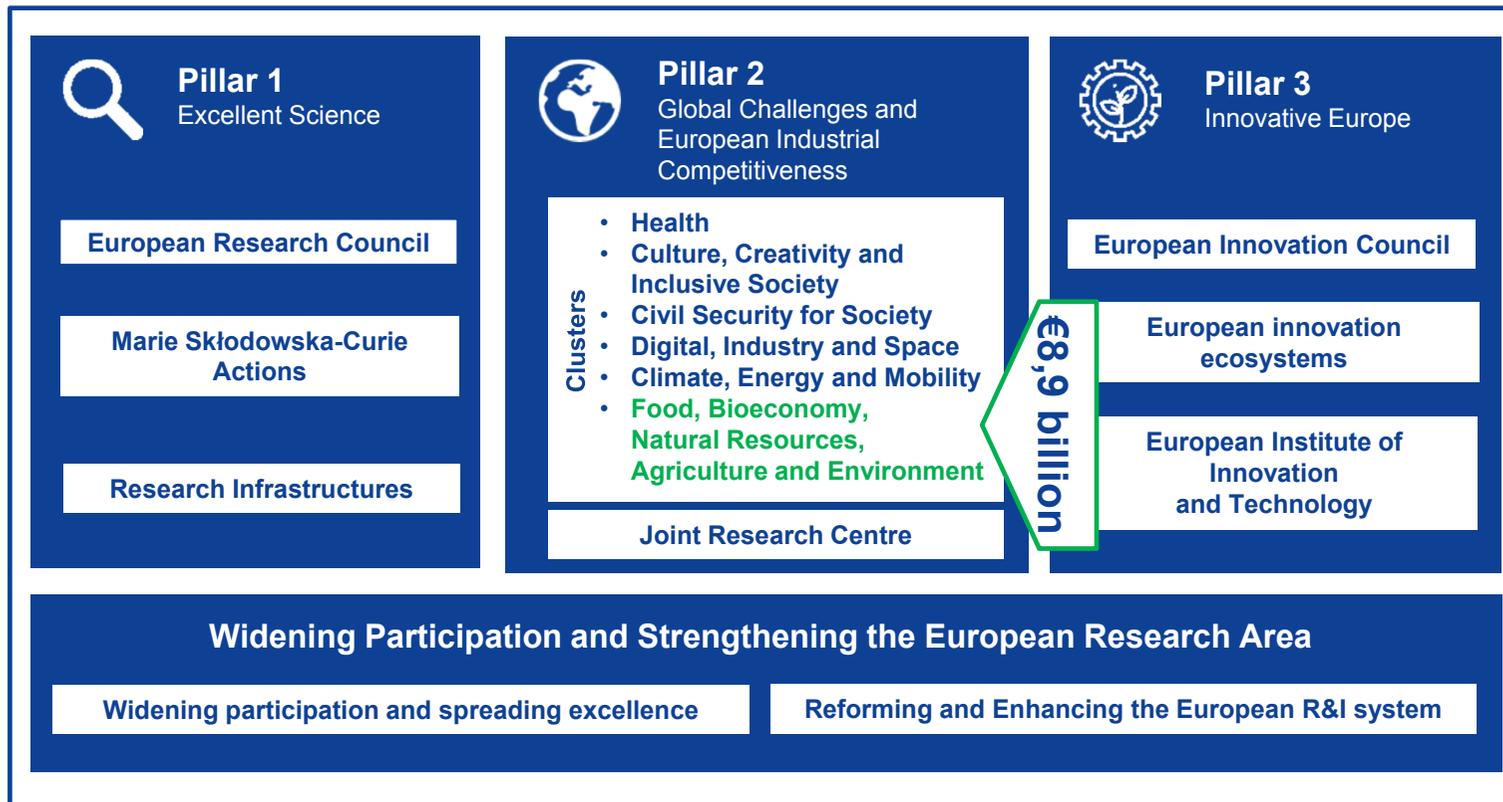
□ **EFUA - European forum for a comprehensive vision of urban agriculture**

# Horizon Europe

Programme structure, strategic orientations and where urban farming could play a role



# Horizon Europe - structure



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## OVERALL PICTURE OF CLUSTER 6

# Food, Bioeconomy, Natural Resources, Agriculture and Environment



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



# R&I actions to reach the destinations



# Urban farming can play a role in...

- **Legal basis** (specific programme)
  - Broad lines of interventions: « *Innovations in farming at the interfaces between agriculture, aquaculture and, forestry and in urban and peri-urban areas,*”
- **Strategic plan (2021-2024):**
  - IA3: « *Activities will support the uptake of urban farming to deliver food alongside social and environmental benefits (in cooperation with IA5).*”
  - Strategic plan – Higher granularity (no specific mentions):
    - Climate neutrality
    - Food security for all – « *urban food systems transformation*”, “*technological solutions*”
    - Circular management of resources (technology progress there could be interesting)
    - Place and people-based approaches - nature-based solutions - Smart cities



# Cluster 6 &



# Destination 6 - Resilient, inclusive, healthy and green rural, coastal and urban communities



## POLICY CONTEXT

- European Green Deal
- Flagship initiative “R&I for rural communities”
- EU long-term vision for rural areas
- New European Bauhaus initiative
- Digital age & digital decade
- European pillar of social rights
- Sustainable Development Goals



## IMPACT FROM STRATEGIC PLAN

**Rural, coastal and urban areas** are developed in a **sustainable, balanced and inclusive manner** thanks to a better understanding of the environmental, socio-economic, behavioural and demographic drivers of change as well as deployment of digital, social and community-led innovations

# EIP-AGRI, Partnerships & Missions

Other instruments  
maximising the R&I impacts  
of interest for urban farming

# EU approach to agricultural R&I

*Interactive innovation (multi-actor approach)*

## EIP-AGRI

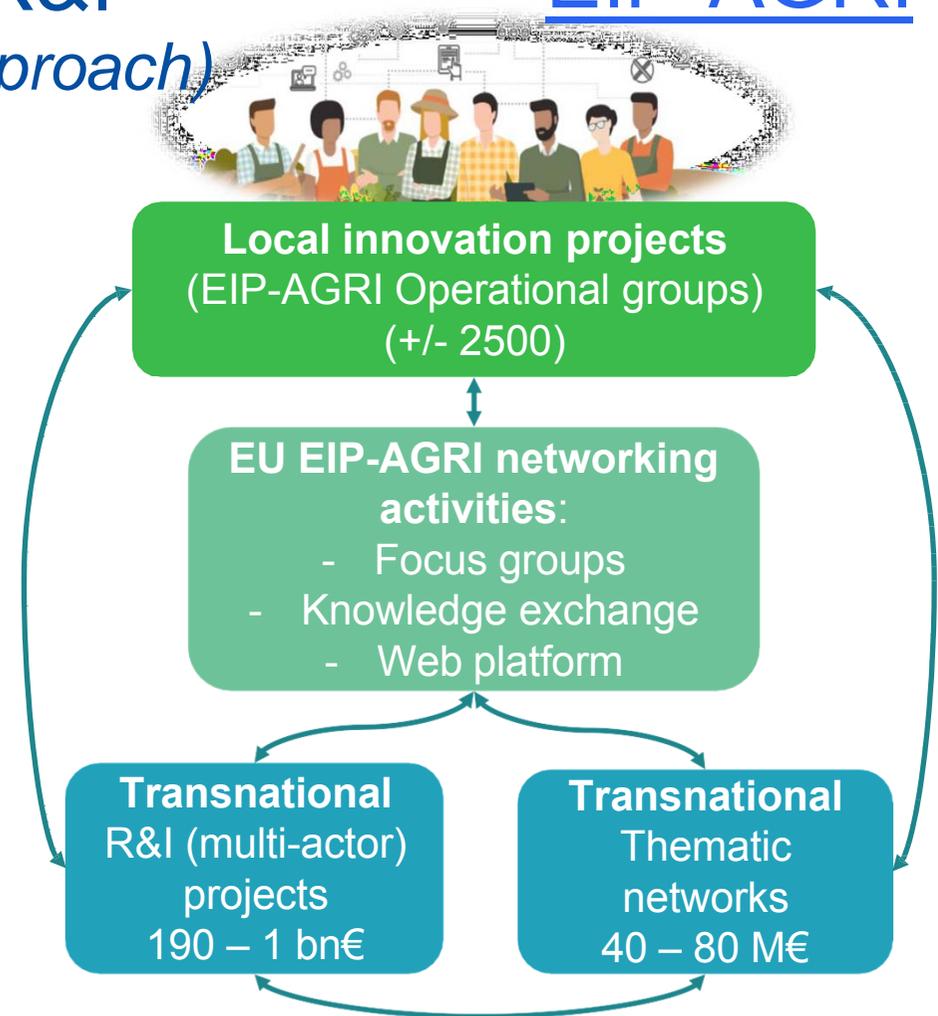


2015 > 2016  
Sustainability  
+ interactive innovation

Farm policy  
(CAP)



R&I programme  
(Horizon 2020)



# Encouraging synergies through partnerships – Work Programme 2021-2022



Rescuing biodiversity to  
safeguard life on Earth (2021)



Water4All (2021)



*Outside the work programme  
- institutionalised partnership Circular  
Biobase Europe (CBE)*



Climate neutral, sustainable  
and productive blue economy (2022)

# 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



29 September 2021

# Living Labs and Lighthouses

- *Living labs are a core element of the mission*
  - They are real-life sites in rural or urban areas in which people from various sectors and backgrounds experiment and test solutions in a co-creative manner.
  - Each living lab contains a cluster of 10 – 20 sites (e.g. farms) working together at regional or sub-regional level.
  - Specific criteria for living labs have been developed under the mission to ensure common approach and comparability of data and experiences.
- *Lighthouses are sites of exemplary performance with regards to a certain practice*
  - They are individual sites, such as a single farm, to showcase good practices.
  - They are places for demonstrations, training and communication.

Living labs and lighthouses are key to accelerate the adoption of sustainable practices by users and co-developed methods adapted to the local conditions.



# Urban agriculture in missions and partnerships

- **Proposed missions**

- **Caring for Soil is Caring for Life**

- all soils including urban soils – importance of urban farming
    - Education, training, experiments, lighthouse and living labs

- **100 Climate-neutral Cities by 2030 – by and for the Citizens**

- **A Climate Resilient Europe - Prepare Europe for climate disruptions and accelerate the transformation to a climate resilient and just Europe by 2030**

- Urban and rural landscapes to be managed for climate resilience

- **Candidate partnerships**

- **Agroecology living labs and research infrastructures** (Role of urban farming to be discussed)

# Thank you

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