

- Encourage sustainable food and agriculture by supporting edible horticulture and small animal husbandry (fish, poultry, insect) to increase food self-sufficiency.
- By connecting the entrepreneurial world of these sectors to the expertise of research & innovation actors.
- Wasabi 2.0 is developing research & innovation projects that meet the challenges of these sectors.



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Innovation at the service of a resilient Walloon agri-food sector



66 Walloon (Belgium) partners:

- Network of regional actors
- Leading by University of Liège
- 9 Academic & Education actors
- 25 companies across the value chain (production, processing, packaging, and logistics)
- 6 cities
- 9 territory developers



<p>Research & educational partners</p>	<p>Companies</p>
<p>Cities</p>	<p>Territory developers</p>
<p>Support</p>	



CONNECTING CHALLENGES TO SOLUTIONS

Food System Challenges



Climate change



Growing population
Food Security



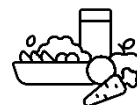
Complex supply chain



Food waste



Sustainable
production



Changing
consumer
habits

Challenges of the agri-food industry (horticultural sector)



Reducing the
carbon footprint of
farms




Increasing production
sustainability




Reducing
pesticide use



Sustainable soil
management &
fertilization



Automating
greenhouses &
indoor farming



Improving processing
& value-added
transformation




Economic viability
of farmers

Thematic priorities



From Farm to
Fork



Transition to a
circular
bioeconomy



Leading the
green change



Agri-food companies in
the food value chain



Our Current Projects (12):

- Vegetables production with **organic fertilizers** derived from animal manures (pig, fish, poultry)
- **Training** dedicated to urban farms for a circular and resource-efficient economy
- Assessment of the impacts of **urban agriculture** and policies aimed at promoting sustainable urban agricultural development.
- Agroecological management of **weeds** in various agricultural systems and regions of Europe.
- Development of sustainable **packaging**.
- Optimization of existing integrated **pest management** tools and development of new ones.

Our experience:

- Participation in Interreg (2 -1 as coordinator), Innovative SMEs (1), Cornet (1), EU-China joint action (1)
- Participation in Horizon Europe projects (7 ongoing)
- Network of European Research partners (BIC, PIC)
- Agroforestry assay, Permaculture raised beds, Market garden agroforestry plots, SPIN Farming, Field trials 130 hectares of which 17 hectares of woodland, WASABI platform 5 hectares WASABI platform, Aquaponic, Bioponic, Roof greenhouse, Indoor Vertical Farming, Agri-Voltaism, Greenhouse with solar panel, Biocontrol molecule development, Biocontrol test in vitro & in vivo, food transformation related to food quality, food safety, soil (micro)biology platform
- SMEs in Biostimulants, Fertilizers, Biocontrol, LED Lighting, BM, Packaging, Aquaponic, Farmers, Producer and consumer cooperative, green innovation, non-profit association to promote sustainable food, territory developers, cities,...

Partners requested: Industry and University partners :

- Experts in evaluating the socio-economic impacts of agricultural ecosystems
- Experts in evaluating the sustainability (environmental, social, economic) of agricultural innovative systems.
- Specialists in low-impact agricultural ecosystems and arable farming.



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Calls of interest:

- **HORIZON-CL6-2025-01-BIODIV-10: Supporting the implementation of nature restoration measures for sustainable farming systems:**
 - To support biodiversity-friendly agriculture, it is essential to first list demonstrated **farming practices and ecosystems** that benefit **biodiversity**. Next, there is a need to assess the **socio-economic impact of nature restoration measures on the agricultural sector and the individual farm**, as well as develop and improve existing incentives and their interplay. A key element for a wide adoption of such practices by farmers is **demonstrating production and labour benefits**. Therefore, environmental, economic, and social benefits, as well as potential trade-offs between nature restoration measures and food security and quality (production and availability) should be demonstrated over different time frames.
- **HORIZON-CL6-2025-02-FARM2FORK-02-two-stage: Open topic: Innovating for on-farm post-harvest operations, storage and transformation of crops into food and non-food products.**
 - Test, develop and pilot **innovative solutions to support farmers** to improve their position in the value chains, **profit from leveraging the use of their agricultural produce** and improve **financial viabilities**. To improve the climate and environmental performance of the resulting farmer's activities and businesses. Proposals should foster new **SME-led sustainable business models** and increase the opportunities for farmers to benefit from **on-farm transformation and/or storage of agricultural outputs for food** and/or non-food purposes
- **HORIZON-CL6-2025-02-FARM2FORK-03-two-stage: Making food systems more resilient to food safety risks through the deployment of technological solutions**
- **HORIZON-CL6-2025-02-FARM2FORK-08: Exploring the potential of controlled environment agriculture (CEA)**

Contact details



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