

2026



Developing innovative phytosanitary treatments for regulated plant pests to support safe international trade

HORIZON-CL6-2026-02-FARM2FORK-01

Program:	Horizon Europe – Cluster 6.
Típus:	Innovation Actions
TRL szint:	TRL 6-8
Támogatás projektenként:	5,9 M EUR
Támogatott projektek száma:	2
Pályázati felület megnyílik:	2026. január 14.
Beadási határidő:	2026. április 14., 17:00

Felhívás linkje:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-CL6-2026-02-FARM2FORK-01>

Effective plant health measures play a vital role in protecting agriculture and supporting global food security, safeguarding the environment, forests, and biodiversity, and enabling safe international trade. Among these measures, (post-harvest) phytosanitary treatments — such as vapour, heat, cold, irradiation, and controlled atmosphere — are critical tools to prevent the introduction and spread of regulated plant pests through imported goods.

However, the current range of available phytosanitary treatments remains limited. In many cases, existing methods lack proven efficacy against specific pests, or scientifically sound protocols are unavailable. Moreover, practical challenges related to the implementation, scalability, potential health and environmental impact of these treatments often hinder their widespread adoption.

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Tackling pesticide resistance: early detection, management strategies, and foresight

HORIZON-CL6-2026-02-FARM2FORK-02

Program:	Horizon Europe – Cluster 6.
Típus:	Research and Innovation Actions
TRL szint:	-
Támogatás projektenként:	6 M EUR
Támogatott projektek száma:	2
Pályázati felület megnyílik:	2026. január 14.
Beadási határidő:	2026. április 14., 17:00

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<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-CL6-2026-02-FARM2FORK-02>

Agriculture and forestry face a growing challenge from the dual threat of a shrinking portfolio of active substances and increasing pests resistance to treatments. Climate change compounds this issue by enabling pests to survive milder winters, expand their ranges, and increase their exposure to pesticides—accelerating the development of resistance. Addressing this complex issue requires a comprehensive, science-based systemic approach that integrates early detection, adaptive management, and long-term foresight to reduce resistance risks and strengthen the sustainability and resilience of agriculture and forestry. It is also relevant to acknowledge that while pesticides are important short-term solutions, the long-term solutions require shifts in current agriculture or forestry practices and system-level transformations within agri-food systems that would boost the resilience of these production environments, while preserving biodiversity.

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Boosting the competitiveness of protein crops in Europe

HORIZON-CL6-2026-02-FARM2FORK-03

Program:	Horizon Europe – Cluster 6.
Típus:	Innovation Actions
TRL szint:	TRL 6-8
Támogatás projektenként:	6 M EUR
Támogatott projektek száma:	2
Pályázati felület megnyílik:	2026. január 14.
Beadási határidő:	2026. április 14., 17:00

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Protein crops can play a key role in advancing sustainable and resilient European agriculture offering environmental, agronomic, economic and nutritional benefits. Despite their potential, the production and use of protein crops in Europe remains limited and require targeted efforts to scale up. Several barriers continue to hinder their development, including the lack of adapted local protein crops for the different European environmental conditions, the limited availability of effective and safe pest management practices and tools, the inadequacy of the machinery used in their production, poor infrastructure for processing and marketing, the absence of well-established local value chains, etc. A key element for a wide adoption of protein crops by farmers is demonstrating their potential benefits (economic competitiveness, environmental impacts, social engagement, adaptability) that enhance their market value and appeal.

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Accelerating the development of breeding tools for perennial crops, specifically fruits and nuts

HORIZON-CL6-2026-02-FARM2FORK-04

Program:	Horizon Europe – Cluster 6.
Típus:	Research and Innovation Actions
TRL szint:	-
Támogatás projektenként:	6 M EUR
Támogatott projektek száma:	2
Pályázati felület megnyílik:	2026. január 14.
Beadási határidő:	2026. április 14., 17:00

Felhívás linkje:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-CL6-2026-02-FARM2FORK-04>

Despite the crucial role that woody perennial crops such as fruits and nuts play in our diets, as well as their importance for global economies, biodiversity conservation and climate change mitigation, traditional breeding methods for these crops remain slow and labour-intensive due to long gestation periods (juvenile phase) and complex genetics. This hinders the timely development of perennial breeds to cope with challenges like climate change, pests and diseases, impacting among others crop productivity. Developing user-friendly tools that can be effectively transferred to breeders will boost the impact and efficiency of breeding programs for perennial crops.

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Boosting circularity and diversification strategies of terrestrial livestock production systems

HORIZON-CL6-2026-02-FARM2FORK-05

Program:	Horizon Europe – Cluster 6.
Típus:	Research and Innovation Actions
TRL szint:	-
Támogatás projektenként:	6 M EUR
Támogatott projektek száma:	2
Pályázati felület megnyílik:	2026. január 14.
Beadási határidő:	2026. április 14., 17:00
Felhívás linkje:	

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-CL6-2026-02-FARM2FORK-05>

Project results are expected to:

- farmers, rural communities, and agrifood or animal by-product value chain operators benefit from improved practices, technologies and validated tools that promote sustainability through the implementation of diversification and circularity in livestock farming systems, contributing to agricultural biodiversity;
- public authorities, consumers and other actors of the value chain are provided with evidence-based information on the socio-economic-environmental impacts of diversification and circularity strategies in the livestock farming systems to support their choices;
- tailored collective actions are implemented to support the organization of farmers, producers, rural communities and other value chain stakeholders into cooperatives, associations or community networks to enhance collaboration, resources sharing, market access, bargaining power, and sustainable development.

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Advanced innovative solutions for improved competitiveness and sustainability in controlled environment agriculture (CEA)

HORIZON-CL6-2026-02-FARM2FORK-06

Program:	Horizon Europe – Cluster 6.
Típus:	Innovation Actions
TRL szint:	TRL 6-7
Támogatás projektenként:	6 M EUR
Támogatott projektek száma:	2
Pályázati felület megnyílik:	2026. január 14.
Beadási határidő:	2026. április 14., 17:00

Felhívás linkje:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-CL6-2026-02-FARM2FORK-06>

Controlled Environment Agriculture (CEA) refers to any form of agriculture that controls and optimises environmental conditions such as temperature, humidity, carbon dioxide, light or nutrient concentration. Examples of CEA include greenhouses, vertical farms, grow rooms, building-integrated agriculture, hydroponics, aquaponics, aeroponics, as well as other innovative farming practices - both off land and land based - where technological advancements enable precise regulation of growing conditions farming. By developing innovative farming techniques that integrate the latest technological advancements including artificial intelligence (AI), this research should provide a competitive and sustainable transformation in response to global food security and sustainability challenges. Furthermore, it should also empower farmers and key stakeholders in the agricultural primary sector by enabling them to adopt sustainable, efficient, profitable, circular, and low-emission farming practices. By leveraging cutting-edge technology and AI-driven solutions, the activities should contribute to the overarching goals of climate neutrality and climate resilience, reinforcing the EU's commitment to a sustainable agricultural future.

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Strengthening the EU plant protection ecosystem for a future-proof agriculture

HORIZON-CL6-2026-02-FARM2FORK-07

Program:	Horizon Europe – Cluster 6.
Típus:	Coordination and Support Actions
TRL szint:	-
Támogatás projektenként:	3 M EUR
Támogatott projektek száma:	1
Pályázati felület megnyílik:	2026. január 14.
Beadási határidő:	2026. április 14., 17:00

Felhívás linkje:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-CL6-2026-02-FARM2FORK-07>

The projects under this topic are relevant to the EU policies related to the EU's Vision for Agriculture and Food by strengthening the plant protection ecosystem and supporting a future-proof, resilient agricultural sector.

The EU ambition to reduce the use of harmful pesticides is important for the long-term resilience of farming, health and environmental protection. However, the introduction of alternatives in the form of biological or innovative low-risk plant protection products has not followed with the same pace as the withdrawal of active substances from the EU market. If this trend continues, it could affect the EU's ability to ensure food security and sovereignty.

To ensure a smooth transition, coordinated action is needed. Strengthening dialogue, guiding research, and supporting innovation should equip policymakers and sectors to adapt and build a resilient, nature and biodiversity-friendly crop protection system.

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Advancing basic knowledge and developing tools for sustainable management of key migratory fish species

HORIZON-CL6-2026-02-FARM2FORK-08

Program:	Horizon Europe – Cluster 6.
Típus:	Research and Innovation Actions
TRL szint:	TRL 4-5
Támogatás projektenként:	7 M EUR
Támogatott projektek száma:	2
Pályázati felület megnyílik:	2026. január 14.
Beadási határidő:	2026. április 14., 17:00

Felhívás linkje:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-CL6-2026-02-FARM2FORK-08>

The world's migratory species are in decline, and their global extinction risk is increasing, with a growing part of this acceleration linked to climate change and a deterioration of their migration routes. Migratory marine fish stocks - ranging across a wide size spectrum - are vital for ecosystem functioning and food security, as their long-term persistence depends on management approaches that balance sustainability with ecological resilience in a system of global change. Furthermore, diadromous fish species play a critical role in land-sea interactions across their ranges, providing unique financial and non-financial societal goods and benefits to society and nature, such as marine-derived nutrient flows to rivers and lands, and exceptional cultural values. Ability of these species to connect and utilise a variety of habitats over long distances, makes them 'umbrella' species, meaning conservation measures for these species benefit broader ecosystems. Protecting these species and sustainably managing the bio-resources they provide across national and international waters, and often multi-national catchments require a holistic and coordinated approach, integrating local attitudes, uses, knowledge, policies and conservation measures, and adapted to local circumstances where necessary.

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Sustainable and healthy diets for cardiovascular diseases prevention with the support of digital applications

HORIZON-CL6-2026-02-FARM2FORK-09

Program:	Horizon Europe – Cluster 6.
Típus:	Innovation Actions
TRL szint:	-
Támogatás projektenként:	5-6 M EUR
Támogatott projektek száma:	2
Pályázati felület megnyílik:	2026. január 14.
Beadási határidő:	2026. április 14., 17:00

Felhívás linkje:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-CL6-2026-02-FARM2FORK-09>

Project results are expected to contribute to all the following expected outcomes:

- identified the effects of sustainable and healthy diets on the gut microbiome and on the cardiovascular system using AI and digital tools by considering different groups of the population as well as gender;
- increased knowledge generated through the use of AI and existing digital tools on how to help people improving their eating habits by choosing healthy diets to prevent cardiovascular disease;
- the scientific communication on the link between sustainable and healthy diet and the prevention of cardiovascular diseases is translated into digital health solutions developed by SMEs and start-ups;
- improved understanding of the link between the decrease of specific nutritional risk factors and the increase of beneficial nutritional intake in the prevention of cardiovascular diseases, through the support of digital solutions developed by SMEs and start-ups.

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Sustainable and healthy diets based on health status and socio-economic risk factors of ageing population

HORIZON-CL6-2026-02-FARM2FORK-10

Program:	Horizon Europe – Cluster 6.
Típus:	Coordination and Support Actions
TRL szint:	-
Támogatás projektenként:	2 M EUR
Támogatott projektek száma:	1
Pályázati felület megnyílik:	2026. január 14.
Beadási határidő:	2026. április 14., 17:00

Felhívás linkje:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-CL6-2026-02-FARM2FORK-10>

Project results are expected to contribute to all the following expected outcomes:

- improved identification of specific dietary needs (including foods, beverages, food ingredients and nutrients) for the older population (above 65 years old) with a positive impact on their health, wellbeing, and prevention of any diseases (including those related to ageing);
- better understanding of sustainable food production and processing, and of the social and economic impact of healthy diets on disease prevention among the older population;
- improved knowledge in Member States and Associated Countries on how to develop at national, regional and local level the diet provided to the older population, in particular to those living in home cares or other structures hosting them as well as to people living alone;
- improved identification of innovative easy-to-chew food products enriched with specific nutrients and bioactive natural compounds, that can be included into the diet of the older population.

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Integrating a holistic perspective in microbiome research for resilient, competitive and sustainable food systems

HORIZON-CL6-2026-02-FARM2FORK-11

Program:	Horizon Europe – Cluster 6.
Típus:	Research and Innovation Actions
TRL szint:	-
Támogatás projektenként:	2 M EUR
Támogatott projektek száma:	1
Pályázati felület megnyílik:	2026. január 14.
Beadási határidő:	2026. április 14., 17:00

Felhívás linkje:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-CL6-2026-02-FARM2FORK-11>

Project results are expected to contribute to all the following expected outcomes:

- improved identification of specific dietary needs (including foods, beverages, food ingredients and nutrients) for the older population (above 65 years old) with a positive impact on their health, wellbeing, and prevention of any diseases (including those related to ageing);
- better understanding of sustainable food production and processing, and of the social and economic impact of healthy diets on disease prevention among the older population;
- improved knowledge in Member States and Associated Countries on how to develop at national, regional and local level the diet provided to the older population, in particular to those living in home cares or other structures hosting them as well as to people living alone;
- improved identification of innovative easy-to-chew food products enriched with specific nutrients and bioactive natural compounds, that can be included into the diet of the older population.

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Leveraging R&I knowledge on microbiome

HORIZON-CL6-2026-02-FARM2FORK-12

Program:	Horizon Europe – Cluster 6.
Típus:	Coordination and Support Actions
TRL szint:	-
Támogatás projektenként:	2 M EUR
Támogatott projektek száma:	1
Pályázati felület megnyílik:	2026. január 14.
Beadási határidő:	2026. április 14., 17:00

Felhívás linkje:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-CL6-2026-02-FARM2FORK-12>

Microbiome research, adopting a holistic approach through a One Health perspective, has gained traction recently but research remains fragmented and there is a need for a coordination body that monitors research in this sector and steer research efforts in a strategical direction. Nevertheless, regulatory requirements remain one of the biggest challenges translating microbiome research to innovative solutions and such body would reinsure continuity of regulatory harmonisation efforts, conducted by previous and existing initiatives. The topic is relevant to the EU policies related to the Commission communication on: Building the future with nature: Boosting Biotechnology and Biomanufacturing in the EU, the EU life science strategy, the EU biodiversity strategy for 2030, the zero-pollution action plan, the EU strategy on research and technology infrastructure, the R&I food 2030 framework, and the digital transition policies.

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Boosting plant health and reducing losses on farm and during storage for sustainable growth in Africa (FNSSA)

HORIZON-CL6-2026-02-FARM2FORK-13

Program:	Horizon Europe – Cluster 6.
Típus:	Research and Innovation Actions
TRL szint:	-
Támogatás projektenként:	6 M EUR
Támogatott projektek száma:	2
Pályázati felület megnyílik:	2026. január 14.
Beadási határidő:	2026. április 14., 17:00

Felhívás linkje:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-CL6-2026-02-FARM2FORK-13>

Project results are expected to contribute to all of the following expected outcomes:

- enhanced ability of agricultural actors in Africa to manage plant pest risks sustainably, contribute to the strengthening of food security while addressing climate and biodiversity challenges;
- agricultural actors identify and implement practices to prevent and reduce crop losses due to plant pests pre-harvest and during storage in Africa.

Plant pests affecting crops in the field and/or harvests during storage are an important burden to food security, contributing to significant food losses in Africa. These can also affect internal markets and trade. It is thus crucial to tackle the impact of plant pests in an integrated manner, while ensuring this is done through technologies and practices fostering agricultural sustainability, resilience to climate change and safeguarding biodiversity.

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Green Transition Food Processing Africa

HORIZON-CL6-2026-02-FARM2FORK-14

Program:	Horizon Europe – Cluster 6.
Típus:	Research and Innovation Actions
TRL szint:	-
Támogatás projektenként:	5-6 M EUR
Támogatott projektek száma:	2
Pályázati felület megnyílik:	2026. január 14.
Beadási határidő:	2026. április 14., 17:00

Felhívás linkje:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-CL6-2026-02-FARM2FORK-14>

Project results are expected to contribute to the following expected outcomes:

- food processing facilities in Africa which target underutilized crops to deliver safe and healthy nutrition avoiding over processing, such as pulses and soy, millets, yams, cassava for some regions, fish and fisheries products, or food chains of high value for local markets or export, like the cocoa chain and fruits, both organic and conventional, have improved their operations investing in safe storage practices (avoiding mycotoxins and pesticide residues), quality assurance and control, innovative careful processing techniques and sustainable and reusable packaging, by using results from life sciences and biotechnologies, such as fermentation, in processes based on renewable energy;
- post-harvest food losses and waste are reduced, by using by-products in the process, following circular approaches in support of the new EU bioeconomy strategy through new and innovative techniques and best practices and food safety ready for scale-up by complementary instruments of the EU Global Gateway Strategy such as the AU-EU Innovation Agenda and the EU International Partnerships such as DeSIRA+.

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Open topic: Improving the competitiveness of the agricultural sector by enhancing the efficient and sustainable use of agricultural production factors

HORIZON-CL6-2026-02-FARM2FORK-01-
two-stage

Program:	Horizon Europe – Cluster 6.
Típus:	Innovation Actions
TRL szint:	TRL 7-8
Támogatás projektenként:	4,5 M EUR
Támogatott projektek száma:	3
Pályázati felület megnyílik:	2026. február 12.
Beadási határidő:	2026.04.14. és 09.15.

Felhívás linkje:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-CL6-2026-02-FARM2FORK-01-two-stage>

Project results are expected to contribute to all of the following expected outcomes:

- the EU strategic autonomy and the long-term sustainability of EU farming systems are safeguarded;
- farmers benefit from new knowledge, innovations and practices to make the green transition towards sustainable and biodiversity friendly agriculture.

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Open topic: Boosting organic farming for a competitive, sustainable and resilient farming sector

HORIZON-CL6-2026-02-FARM2FORK-02-
two-stage

Program:	Horizon Europe – Cluster 6.
Típus:	Innovation Actions
TRL szint:	TRL 6-8
Támogatás projektenként:	6 M EUR
Támogatott projektek száma:	2
Pályázati felület megnyílik:	2026. február 12.
Beadási határidő:	2026.04.14. és 09.15.

Felhívás linkje:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-CL6-2026-02-FARM2FORK-02-two-stage>

Proposals should increase knowledge and develop safe, viable and cost-effective innovations to tackle agronomic, sustainability (social, biodiversity, climate, economic), value chain development and/or market-related challenges of organic production. Proposals should develop innovations addressing land-based organic production in a range of pedo-climatic conditions in the EU and Associated Countries. They should demonstrate the contribution of these innovations to facilitating the uptake and implementation of organic production methods by relevant stakeholders, among which farmers. This should include activities to increase networking and knowledge and best practice exchange among farmers (both among organic farmers and with farmers implementing other approaches) and with other relevant actors.

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2027



Increasing the resilience of agriculture in water and nutrient-scarce environments through digital innovations

HORIZON-CL6-2027-02-FARM2FORK-01

Program:	Horizon Europe – Cluster 6.
Típus:	Research and Innovation Actions
TRL szint:	TRL 4-5
Támogatás projektenként:	6 M EUR
Támogatott projektek száma:	2
Pályázati felület megnyílik:	2027. április 20
Beadási határidő:	2027. szept. 23., 17:00

Felhívás linkje:

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A key challenge for the agricultural sector is to provide food in a context of increasing global population, climate change and price volatility while reducing pollution and preserving natural resources and biodiversity for future generations. Farmers should be able to adopt innovative solutions to increase the resilience to water and to nutrient scarcity. Digital and data technologies offer solutions to monitor parameters (e.g. soil conditions, water and air quality, nutrients content and availability) in a cost-efficient manner while supporting decision-making on input management, adapt to climate change, contribute to cleaner air and biodiversity.

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Increasing mitigation of GHG emissions and feed efficiency through feed additives

HORIZON-CL6-2027-02-FARM2FORK-02

Program:	Horizon Europe – Cluster 6.
Típus:	Innovation Actions
TRL szint:	TRL 7
Támogatás projektenként:	6 M EUR
Támogatott projektek száma:	2
Pályázati felület megnyílik:	2027. április 20.
Beadási határidő:	2027. szept. 23., 17:00

Felhívás linkje:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-CL6-2027-02-FARM2FORK-02>

Reducing methane emissions from ruminants contributes to environmental sustainability by lowering the climate and environmental impact of livestock production, while also supporting economic sustainability for farmers through improved productivity and cost savings. Only a handful of additives have demonstrated significant effectiveness in reducing methane emissions or have become commercially available. The limited availability of reliable options and the challenges posed by inconsistent efficacy and applicability across diverse production systems represent a constraint. Proposals should address various terrestrial livestock systems, from conventional to extensive systems, considering regional feeding systems. Proposals should address at least farmed large ruminants.

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Microbiome for terrestrial livestock sustainability and health within a One Health approach

HORIZON-CL6-2027-02-FARM2FORK-03

Program:	Horizon Europe – Cluster 6.
Típus:	Research and Innovation Actions
TRL szint:	-
Támogatás projektenként:	5-6 M EUR
Támogatott projektek száma:	2
Pályázati felület megnyílik:	2027. április 20.
Beadási határidő:	2027. szept. 23., 17:00
Felhívás linkje:	

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-CL6-2027-02-FARM2FORK-03>

Microbiome research offers transformative potential for livestock management within the One Health (OH) framework, which emphasises the interconnected health of animals, humans, and the environment. In livestock, microbiome innovation can address pressing issues such as antimicrobial resistance (AMR) and zoonotic disease transmission. However, gaps persist in understanding the role of variability within host-microbiome interactions, in developing sustainable farming practices, and assessing these interventions in real-world farming settings. Advancing microbiome research can enhance animal health and productivity, improve ecosystems, while reducing environmental and climate impacts. By focusing on microbiome-based solutions, the objective is to support sustainable livestock systems that align with OH principles, necessitating cross-disciplinary collaboration to ensure comprehensive health benefits.

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Improving understanding of the contribution of the organic farming sector to sustainability

HORIZON-CL6-2027-02-FARM2FORK-04

Program:	Horizon Europe – Cluster 6.
Típus:	Coordination and Support Actions
TRL szint:	-
Támogatás projektenként:	6 M EUR
Támogatott projektek száma:	1
Pályázati felület megnyílik:	2027. április 20.
Beadási határidő:	2027. szept. 23., 17:00

Felhívás linkje:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-CL6-2027-02-FARM2FORK-04>

The Vision for Agriculture and Food recognises organic farming as an approach with potential to ensure an attractive and predictable agri-food sector, while at the same time delivering several ecosystem services beneficial for the environment, climate and biodiversity. There is a dual need to, on one hand, better understand the contribution of organic farming and of the organic sector as a whole to the three dimensions of sustainability, and on the other, to improve methods for data collection in the organic sector, in a way that reduces administrative burden on farmers and on other operators. There is potential for both needs to be addressed in combination, and a role for research and innovation to support in achieving this objective.

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Enhancing farmer's profitability and resilience through innovations for diversified crops and value chains

HORIZON-CL6-2027-02-FARM2FORK-05

Program:	Horizon Europe – Cluster 6.
Típus:	Innovation Actions
TRL szint:	-
Támogatás projektenként:	6 M EUR
Támogatott projektek száma:	2
Pályázati felület megnyílik:	2027. április 20.
Beadási határidő:	2027. szept. 23., 17:00
Felhívás linkje:	

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-CL6-2027-02-FARM2FORK-05>

Crop diversification supports farmers resilience to external shocks, be it economic, climatic, or market related. By reducing dependency on a single farmed crop, farmers can strengthen their competitiveness in an ever-changing agricultural landscape. The temporal and spatial diversification of crops through e.g. rotation and associations, are drivers for low-input, resource-efficient farming systems that can fulfil the need to produce food, feed, industrial products (e.g. bioenergy, biomaterials, biochemicals) and other ecosystems services. These diversified and low-input farming systems will emerge if clear benefits to farmers and society are demonstrated and if the downstream value chains are properly organized.

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Unleashing the potential of sustainable small-scale aquatic food production and recreational fisheries for prosperous local communities

HORIZON-CL6-2027-02-FARM2FORK-06

Program:	Horizon Europe – Cluster 6.
Típus:	Innovation Actions
TRL szint:	TRL 6-7
Támogatás projektenként:	5 M EUR
Támogatott projektek száma:	2
Pályázati felület megnyílik:	2027. április 20.
Beadási határidő:	2027. szept. 23., 17:00

Felhívás linkje:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-CL6-2027-02-FARM2FORK-06>

Project results are expected to contribute to all of the following expected outcomes:

- economic prosperity is fostered in coastal, rural and urban communities through improved business models, value chain integration and market access for small scale producers that can contribute offering attractive jobs;
- consumers benefit from the availability of locally produced, nutritious, and safe aquatic food following high environmental and social standards;
- more resilient and empowered communities at local and regional levels by fostering innovation in aquatic food value chain and addressing challenges such as climate change, biodiversity loss, and resource management
- a more competitive and sustainable aquatic food sector by advancing ecosystem-based management practices, digitalization and technological innovation based on the latest scientific research.

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Towards commercialization of food systems microbiome solutions

HORIZON-CL6-2027-02-FARM2FORK-07

Program:	Horizon Europe – Cluster 6.
Típus:	Innovation Actions
TRL szint:	-
Támogatás projektenként:	7-8 M EUR
Támogatott projektek száma:	2
Pályázati felület megnyílik:	2027. április 20.
Beadási határidő:	2027. szept. 23., 17:00

Felhívás linkje:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-CL6-2027-02-FARM2FORK-07>

Microbiome solutions demonstrated high potential to support our food systems, making them more resilient, more productive and more environmental-friendly, for instance by boosting crop yields, improving food safety, supporting biodiversity and leveraging its benefits or decreasing fertilizers use or pesticide needs. However, bringing these solutions to the market face several challenges, for instance the lack of business models for widespread deployment, or consistently producing at scale effective microbiome solutions. The topic is relevant to the EU policies related to the Commission communication on: Building the future with nature: Boosting Biotechnology and Biomanufacturing in the EU, the new EU bioeconomy strategy, the Life Sciences Strategy, the EU biodiversity strategy for 2030, the Zero Pollution Action Plan, the R&I Food 2030 Framework, the Clean Industrial Deal, and the policies on digital transition.

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AI-powered foodome characterization

HORIZON-CL6-2027-02-FARM2FORK-08

Program:	Horizon Europe – Cluster 6.
Típus:	Innovation Actions
TRL szint:	TRL 5-7
Támogatás projektenként:	7,8 M EUR
Támogatott projektek száma:	1
Pályázati felület megnyílik:	2027. április 20.
Beadási határidő:	2027. szept. 23., 17:00

Felhívás linkje:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-CL6-2027-02-FARM2FORK-08>

Through food and beverages, the population is exposed to an immense variety of chemicals (as contaminants and as ingredients). The “foodome” is the complete set of compounds present in a food sample at a given time; it includes both endogenous biomolecules (produced through a species' metabolic processes) and exogenous compounds (natural and synthetic substances from production, processing, handling, and packaging). The current knowledge is largely confined to a narrow set of approximately 150 food components catalogued by traditional databases. These components represent only a very small fraction of the total chemical complexity present in foods, while thousands (>100,000) of compounds and contaminants remain largely unquantified and underexplored. Understanding this “nutrient dark matter” would require identifying, cataloguing and quantifying the full spectrum of substances present in our food and present in accessible, AI-ready databases. The need for such information is today a bottleneck to make the nutrition field predictive and data driven, and has the potential to make food processing more efficient in bringing new foods items on the market. Efforts to create such datasets are underway but owing to the quantity of samples (hundreds of thousands of compounds across thousands of foods), such databases experimental methods which do not allow a precise characterisation of the molecules identified.

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African Union – European Union Partnership on Food and Nutrition Security and Sustainable Agriculture (FNSSA)

HORIZON-CL6-2027-02-FARM2FORK-09

Program:	Horizon Europe – Cluster 6.
Típus:	Coordination and Support Actions
TRL szint:	-
Támogatás projektenként:	6,75 M EUR
Támogatott projektek száma:	1
Pályázati felület megnyílik:	2027. április 20.
Beadási határidő:	2027. szept. 23., 17:00
Felhívás linkje:	

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-CL6-2027-02-FARM2FORK-09>

Project results are expected to contribute to the following expected outcomes:

- the coordination of Research and Innovation Policies of AU and EU Members in the Working Group on FNSSA is improved;
- improved coordination of the portfolio of projects funded under the first priority on FNSSA of the African Union – European Union High-level Policy Dialogue across all funding instruments of the EU and the AU and its members, in particular the EU Research Framework Programme, Co-funding instruments, the DeSIRA programme and others.

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Strengthening plant health: addressing emerging plant pest risks

HORIZON-CL6-2027-02-FARM2FORK-01-two-stage

Program:	Horizon Europe – Cluster 6.
Típus:	Research and Innovation Actions
TRL szint:	-
Támogatás projektenként:	6 M EUR
Támogatott projektek száma:	2
Pályázati felület megnyílik:	2027. február 04.
Beadási határidő:	2027.04.08. és 09.14.

Felhívás linkje:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-CL6-2027-02-FARM2FORK-01-two-stage>

Effective plant health measures are essential for protecting agriculture and forestry, ensuring food security, preserving ecosystems and biodiversity, and enabling safe and sustainable trade. This action aims to strengthen plant health by addressing emerging plant pests²⁰⁹, whether regulated or unregulated, introduced or native, that currently pose, or are likely to pose, significant socio-economic and/or environmental threats to agriculture and forestry within the EU and Associated Countries.

Proposals should target one or more emerging plant pests, taking into account the increasing risks driven by climate change, biodiversity loss, land use changes, globalisation and other contributing factors, with the exception of plant pests targeted in Horizon Europe.

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Optimising the water-nutrient-energy nexus for sustainable and climate smart agriculture in Africa (FNSSA)

HORIZON-CL6-2027-02-FARM2FORK-02-two-stage

Program:	Horizon Europe – Cluster 6.
Típus:	Research and Innovation Actions
TRL szint:	-
Támogatás projektenként:	6 M EUR
Támogatott projektek száma:	2
Pályázati felület megnyílik:	2027. február 04.
Beadási határidő:	2027.04.08. és 09.14.

Felhívás linkje:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-CL6-2027-02-FARM2FORK-02-two-stage>

A nexus approach that identifies and develops mutually beneficial knowledge, practices and tools in agriculture can enable sustainable, biodiversity-friendly and climate-smart agriculture in African agro-ecosystems. The needs for water, energy, and nutrients in agriculture are crucial for smallholder farms to sustain predictable and stable productions and support livelihoods. Making available innovative solutions based on circular and sustainable approaches, can enable new business opportunities in African agriculture.

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