



Welcome to the Webinar!
We will start soon....



CLUSTER 6 – Destination 2

Fair, healthy and environmentally-friendly food systems from primary production to consumption society

Nir Shaked, Head of Sector & National Contact Point

Nir.s@iserd.org.il

Disclaimer

The participation of Israeli entities, as associated country, in Horizon Europe projects, is subject to the signing of the 'Association Agreement' to the programme between Israel and the EU, before the first project's Grant Agreement (GA) is signed.

The presentation of draft topics and the feedback provided shall in under no circumstances bind the European Commission in the final formulation of topics for the call.

The binding call text will be published following the formal decision by the European Commission on the Funding and tender opportunities portal.

Participating Countries

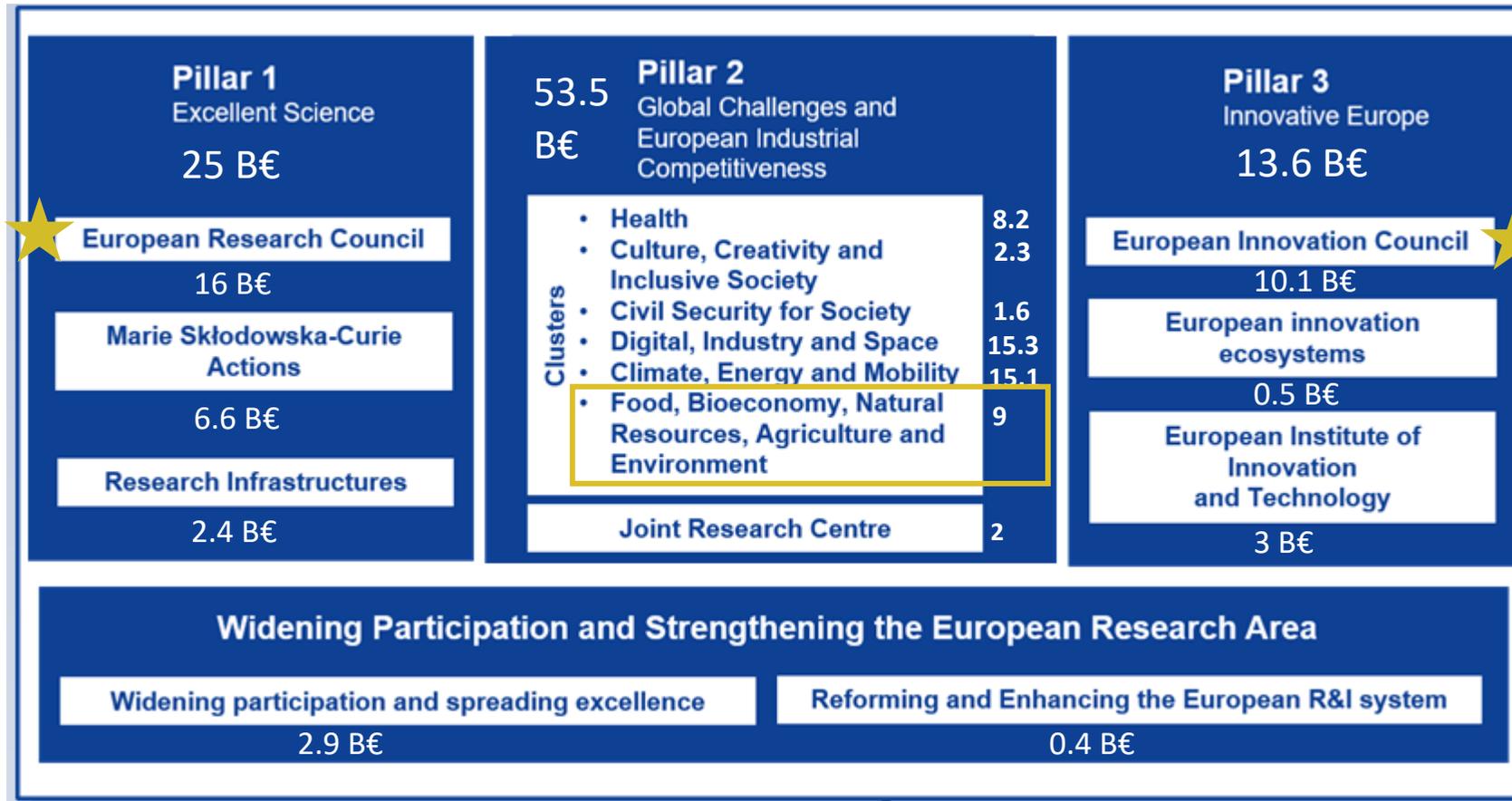
27 Member States (MS)

 Austria (AT)	 France (FR)	 Malta (MT)
 Belgium (BE)	 Germany (DE)	 Netherlands (NL)
 Bulgaria (BG)	 Greece (GR/EL)	 Poland (PL)
 Croatia (HR)	 Hungary (HU)	 Portugal (PT)
 Cyprus (CY)	 Ireland (IE)	 Romania (RO)
 Czech Republic (CZ)	 Italy (IT)	 Slovakia (SK)
 Denmark (DK)	 Latvia (LV)	 Slovenia (SI)
 Estonia (EE)	 Lithuania (LT)	 Spain (ES)
 Finland (FI)	 Luxembourg (LU)	 Sweden (SE)

17 Associated Countries (AC)

 Albania (AL)	 Montenegro (ME)
 Armenia (AM)	 Norway (NO)
 Bosnia and Herzegovina (BA)	 Serbia (RS)
 Faroe Islands (FO)	 Switzerland (CH)
 Georgia (GE)	 Tunisia (TN)
 Iceland (IS)	 Turkey (TR)
 Israel (IL)	 United Kingdom (UK)
 Macedonia (MK)	 Ukraine (UA)
 Moldova (MD)	

Horizon Europe (2021-2027)



Budget of € 95.5 billion for Horizon Europe

Terminology



➤ Horizon Europe Framework Programme

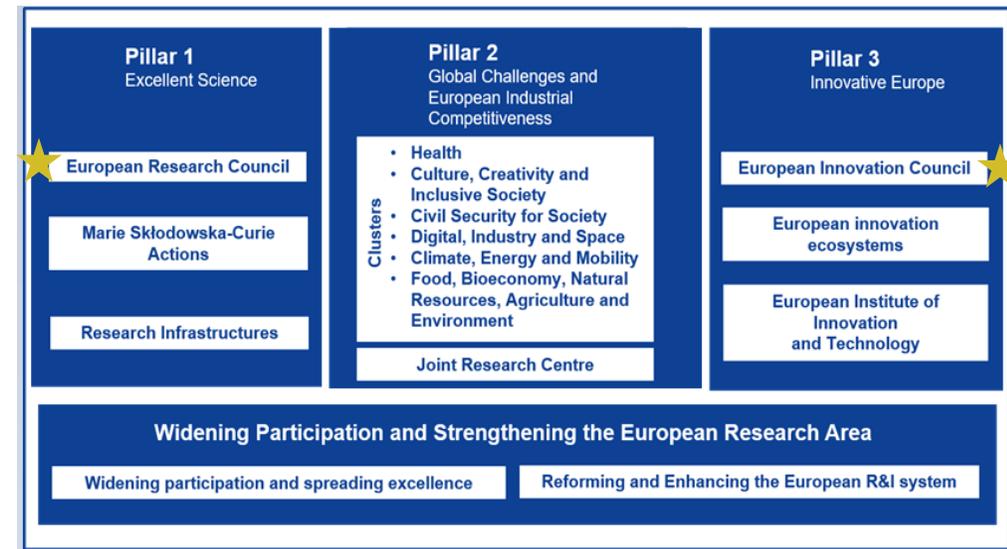
○ Pillar

- Cluster

■ Destination

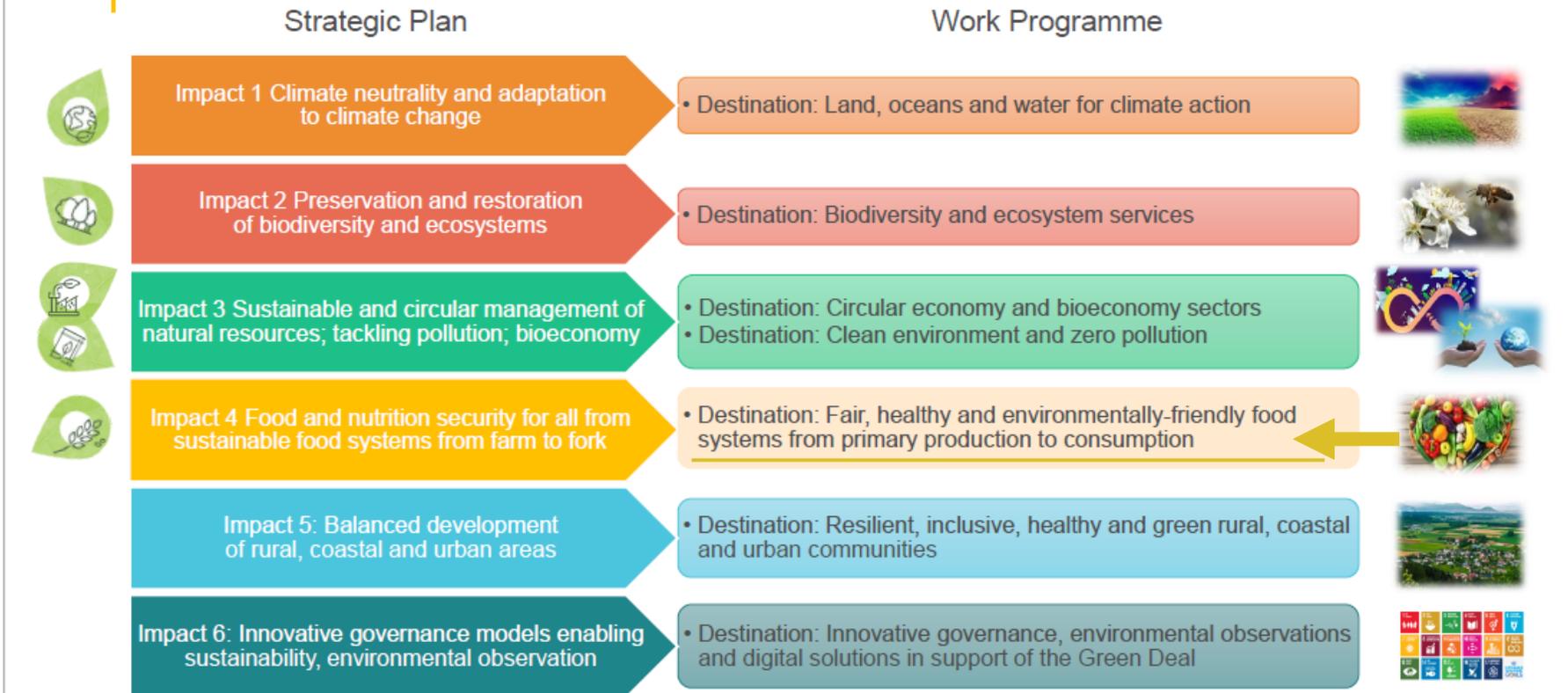
➤ Call

• Topic



Cluster 6: Expected Impacts

Expected impacts shape the WP structure



Cluster 6 – Food, Bioeconomy, Natural Resources, Agriculture and Environment

Cluster 6: Work Programme 2021-2022 budget distribution per destination

Destination	Number of topics	Budget [mln EUR]	% Share
Biodiversity and ecosystem services	36	375,5	20%
Fair, healthy and environmentally-friendly food systems from primary production to consumption	39	416,5	22%
Circular economy and bioeconomy sectors	22	267	14%
Clean environment and zero pollution	14	116	6%
Land, oceans and water for climate action	16	193	10%
Resilient, inclusive, healthy and green rural, coastal and urban communities	13	128	7%
Innovative governance, environmental observations and digital solutions in support of the Green Deal	43	370	19%
Other actions	15	40	2%
Total	198	1906	100%

Fair, healthy, safe, climate and environmentally-friendly and resilient food systems from primary production to consumption

Ensuring food and nutrition security for all within planetary boundaries in the EU and globally.

Expected impacts:

- Sustainable, productive and climate-neutral and resilient farming systems providing consumers with **affordable, safe, traceable healthy and sustainable food**, while **minimising pressure on ecosystems, restoring and enhancing biodiversity, improving public health and generating fair economic returns for farmers**;
- Sustainable **fisheries and aquaculture increasing aquatic biomass production**, diversification and consumption of seafood products for a fair, healthy, climate resilient and environmentally friendly food systems with low impact on aquatic ecosystems and high animal welfare;
- Sustainable, **healthy and inclusive food systems** delivering co-benefits for climate mitigation and adaptation, environmental sustainability and circularity, sustainable healthy nutrition and safe food consumption, food poverty reduction, inclusion of marginalised people and empowerment of communities, and flourishing businesses.

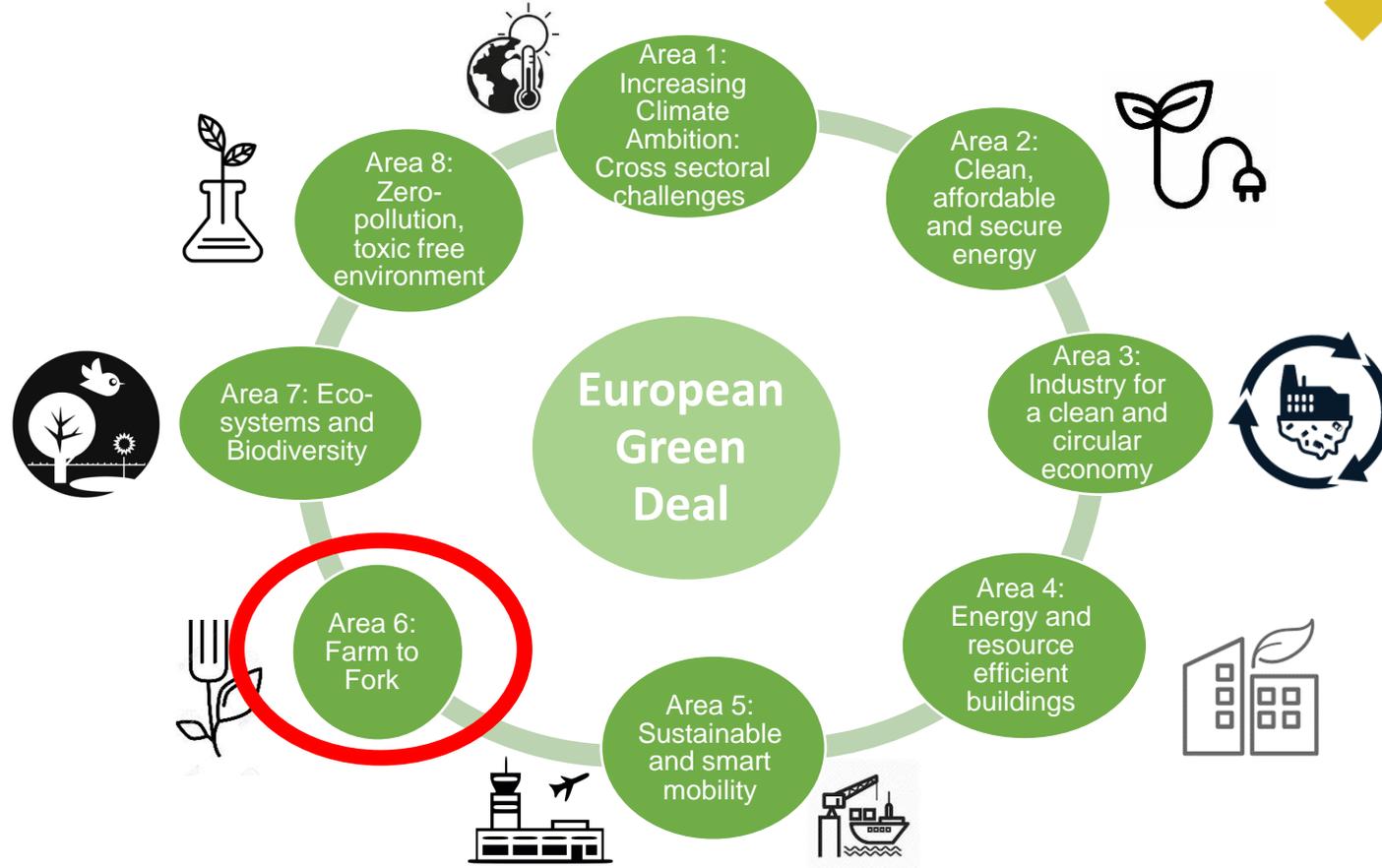


Green Deal Goals



- Make the EU climate neutral by 2050
- Restore biodiversity and cut pollution
- Invest in environmentally-friendly technologies
- Support the industry in innovating
- Boost the efficient use of resources
- Move to a clean, circular economy
- Roll out cleaner, cheaper and healthier forms of transport
- Decarbonise the energy sector
- Ensure buildings are more energy efficient
- Work with international partners to improve global environmental standards

Green Deal Structure



Multi-Actor Consortium

- Technology providers – (e.g., Startups, Academia, Research Inst. etc.)
- Primary producers
- Food businesses (e.g., Food and drink industry, Supermarkets, Hotels, Restaurants, Cafes, etc.)
- Consumers
- Local authorities
- Regulators

Main Types of Action

Action	Funding*	Main Characteristics
RIA – Research & Innovation Action	100% + 25%	Basic and applied research, technology development and integration, testing, demonstration and validation on small-scale prototype in laboratory or simulated environment
IA – Innovation Action	70% + 25%	Prototyping, testing, demonstrating, piloting, large-scale product validation and market replication
CSA - Coordination & Support Action	100% + 25%	Networking, coordination or support services, policy dialogues and mutual learning exercises and studies

* [Non profit](#) – always 100%

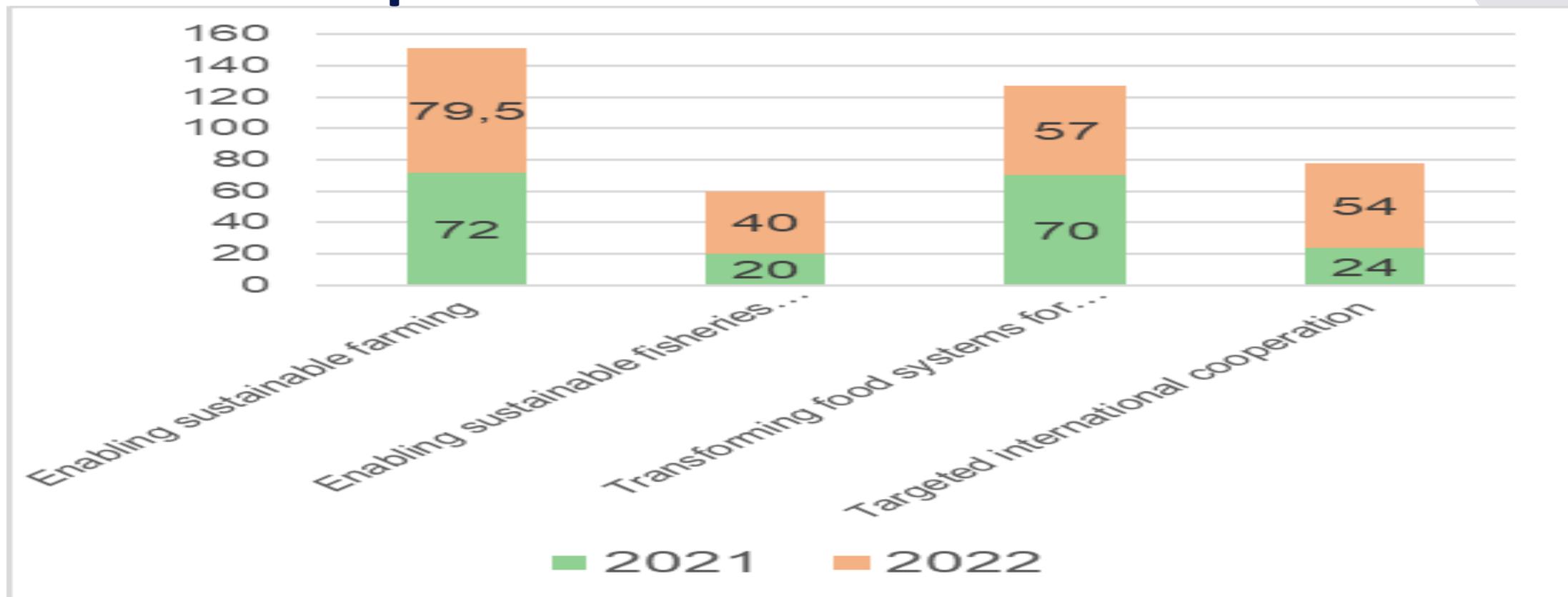


Technology Readiness Level



- TRL 1 – basic principles observed
- TRL 2 – technology concept formulated
- TRL 3 – experimental proof of concept
- TRL 4 – technology validated in lab
- TRL 5 – technology validated in relevant environment (industrially relevant environment in the case of key enabling technologies)
- TRL 6 – technology demonstrated in relevant environment (industrially relevant environment in the case of key enabling technologies)
- TRL 7 – system prototype demonstration in operational environment
- TRL 8 – system complete and qualified
- TRL 9 – actual system proven in operational environment (competitive manufacturing in the case of key enabling technologies; or in space)

Destination Fair, healthy and environmentally-friendly food systems from primary production to consumption



RIA	IA	CSA	Total
27	9	3	39



Enabling sustainable farming

HORIZON-CL6-2021-FARM2FORK-01-01: Reaching the Farm to Fork target: R&I scenarios for boosting organic farming and organic aquaculture in Europe - RIA € 4M x 1

Scope:

- Evaluate the **constraints for reaching the Farm to Fork Strategy target on organics and the necessary facilitating environment.**
- **Analyse the uptake of organic farming (crops and livestock) and aquaculture across Europe and the reasons for their varied uptake.**
- Projects should **foresee & build scenarios outlining where the expected increase can be achieved**, analysing the socio-economic impacts for existing and new organic producers, as well as on other market players.
- Assess the knowledge needs of different actors for enhancing innovation towards greater adoption of organic farming and aquaculture, **promote capacity building and ensure the necessary sharing of knowledge and best practices among organic farmers** (crops and livestock), aquaculture producers, advisors, scientists and other operators of the value chain, building on existing tools where relevant and available.

HORIZON-CL6-2021-FARM2FORK-01-02: Developing sustainable and competitive land-based protein crop systems and value chains - IA € 9M x 1 End TRL 5-8

Scope:

- Identify the most suitable **transition paths for sustainable land-based protein crop production in different pedo-climatic regions** and develop strategies for sustainable and competitive regional agri-food and feed chains.
- Cover the **diversity of available and novel land-based crop species of more than 15% protein**.
- **Consider conventional and organic farming systems** in all European climate/biogeographical regions.
- Explore the potential for value chain development, based on **case studies of farms and producer organisations**.
- Develop and test strategies for **improved production techniques**, for diversification, feed efficiency, value chain development, reduced environmental impact and improved farmers' organisation.
- Elaborate the **specific support needs of farmers** (advice, knowledge and best practice sharing, etc) **to cultivate protein crops in different regions**, assessing the availability of specific tools, and developing new ones.
- **Set up a transdisciplinary and multi-stakeholder Europe-wide network to facilitate trans-national and trans-regional sharing of knowledge and best practice** in land-based protein supply chain management and agronomic practices, including facilitating cross-regional testing of varieties.
- **Set up regional multi-stakeholder networks** for advisory services, awareness raising, knowledge and best practice sharing, experimentation and demonstration on land-based protein crops species best adapted to the region.

HORIZON-CL6-2021-FARM2FORK-01-02: Developing sustainable and competitive land-based protein crop systems and value chains - IA € 9M x 1 End TRL 5-8

Scope:

- **Analyse the impact of climate change on land-based protein crops in various farming systems, as well as their contribution towards climate resilient and environmental farming**, such as biodiversity, input reduction, closing nutrient cycles, increased soil organic matter and improved soil health.
- Develop innovative measures for improving the impact of production on increased (agro-)biodiversity.
- **Develop methods and indicators to compare the climate, environmental, social and health benefits and costs of increasing land-based protein crop production** and their industrialisation, considering the impact of policy measures on land-use changes and implications for farmers, in different farming systems and regions.
- **Develop method for systematic collection of data for economic and environmental assessment.**



Farming systems

HORIZON-CL6-2021-FARM2FORK-01-04: Tackling outbreaks of plant pests - RIA € 7M x 2

Scope:

- Target one or more plant pest(s) that are either [Union quarantine plant pests present in the EU](#) or [Union quarantine pests which are priority pests in the EU](#), which are of concern for agriculture and/or forestry.
- **Improve methods and strategies for surveillance and control as well as enlarge the range of tools for integrated and effective pest management, incl. early-detection and (bio)control of the pest(s).**
- **Understand the drivers of plant pest spread and establishment, including the influence of climate change, ecosystem degradation, and globalisation.**
- Develop **economically and environmentally sound solutions for pest management** in farming and forestry.
- Analyse the **social & economic implications for affected farmers and develop best coping practices.**
- Analyse the **ecological impact** of plant pest(s) spread and establishment.
- **International cooperation** with countries affected or threatened by the same pest(s) is encouraged.

HORIZON-CL6-2021-FARM2FORK-01-05: Animal welfare 2.0 - RIA € 8M x 1

Scope:

- **Identify data and appropriate indicators to assess the welfare of animals in farms, during transport, slaughtering or killing.**
- Develop innovative ways of **auto-collecting data relevant to welfare** and related sustainable farming techniques.
- **Standardisation** of the collection of data for a population of business operators along the supply chain.
- **Develop algorithms integrating various heterogeneous data** from a population of operators to evaluate welfare.
- **Develop best practices** for improved welfare of animals that are statistically meaningful, at population level.
- Evaluate the environmental and **socio-economic impacts of best practices, for animal welfare, including marketability.**
- **Develop monitoring tools and models to improve data collection** both **quantitatively** (population size) and **qualitatively** (quality of data collected and impacts measured).
- Develop innovative ways to estimate the impact of past detrimental conditions on welfare.

HORIZON-CL6-2021-FARM2FORK-01-06: Vaccines and diagnostics for priority animal diseases -

IA € 6M x 2

End TRL 6-7

Scope:

- Address the following in **terrestrial livestock and relevant wildlife**:
 - **Improve vaccine technologies**: adjuvants, stability, administration, multiple pathogens, considering virulence factors, mechanisms of infection and protection and identity of necessary protective antigens.
 - **Explore the feasibility of vaccine production based on vaccine platforms (existing or novel)**.
 - **Use AI to decipher target antigens**.
- **Develop diagnostics for infectious diseases of terrestrial livestock**, for instance through:
 - Set animal-specific clinical breakpoints for susceptibility of key pathogens, which are currently unavailable
 - Set generic breakpoints based on antimicrobial concentrations in serum.
 - Help strengthen surveillance & response capacity through multi-pathogen diagnostic tools
- **Choose infectious agent/diseases considering their importance for the EU policy and regulation**, for instance epizootic diseases such as African swine fever or African horse sickness, priority zoonotic diseases, contributing to the development of anti-microbial resistance, with serious socio-economic impact, etc.
- Valuable International partners are welcomed.

HORIZON-CL6-2021-FARM2FORK-01-08: Uncovering lock-ins and levers to encourage farmers to move to and stay in sustainable, climate-neutral and biodiversity friendly food production systems: from experiments to systemic mechanisms - RIA € 4M x 3

Scope:

- **Investigate farmers' decision-making to uncover what locks them in unsustainable practices and incentivizes them for moving to and staying in sustainable production systems.**
- **Conduct an extensive experimental research on voluntary schemes or regulation that makes adoption mandatory, to fill policy-oriented research gaps and support effective evidence-based policy design and implementation.**
- **Analyse the role of other food system actors** in hindering or incentivising farmers to adopt and continue applying sustainable practices in the long-term.
- **Analyse consumers' decision-making and shopping behaviour** and share with farmers, so they can better respond to consumer demand.
- **Explore the decision-making of operators across the downstream and upstream of agri-food value chains** (e.g., input industry, food companies, retailers, HoReCa, etc.) that lock farmers in unsustainable practices or enable them to adopt sustainable practices as well as stimulate or hinder consumer demand for more sustainable foods.
- **Conduct Concurrent research using the same methods in a variety of settings** (i.e various agroecological approaches and organic farming, sectors, commodities and value chains, communities, collective actions, regions etc.)
- **Explore and propose ways to engage farmers, consumers, etc. to move to and stay in sustainable farming.**

HORIZON-CL6-2021-FARM2FORK-01-09: Towards an EU approach to assess and internalise positive and negative externalities of food for incentivising sustainable choices - RIA € 8M x 1

Scope:

- Convene policy dialogues involving researchers, policymakers, actors involved in farming and food systems on land and at sea, retailers, HoReCa, consumers, etc., engaged in identification, measurement, assessment and monetary valuation of positive and negative climate, biodiversity, environmental, social and health externalities of food.
- Measure the degrees of internalisation (i.e., which part of different costs and benefits is already internalised).
- Improve, harmonise and operationalise these approaches in practice.
- Map and analyse gaps in existing databases, collect necessary data for assessment of the externalities.
- Identify a comprehensive set of **case studies using the approaches and databases to demonstrate their practicality.**
- Identify strategies to elevate internalisation of externalities, and inform policymakers and businesses on possibilities, e.g., **tax negative externalities and/or reward positive externalities across food value chains, and their effectiveness.**



Enabling sustainable fisheries and aquaculture

HORIZON-CL6-2021-FARM2FORK-01-10: Sea to Fork transparency and consumer engagement -

IA € 5M x 2

End TRL 6-8

Scope:

- **Develop new approaches & tools to provide traceable records** on how seafood is produced, processed & transported.
- **Set criteria that can be efficiently ranked**, monitored and integrated in transparent labelling of seafood, e.g.: biology, feeding, disease, pathology, environmental sustainability (including issues related to organic aquaculture).
- **Innovations should change seafood consumption behaviour** towards nutritious and sustainable seafood with a low ecological and carbon footprint.
- Increase the visibility of sustainably fished or farmed seafood and the engagement of consumers, through **monitoring, communication and marketing strategies and web-based and digital tools. Traceability should be ensured.**
- **Consider using social innovations** for short-chain slow food solutions to reach and engage more citizens. **Underused caught or produced species with very low ecological or carbon footprint** can be promoted. Consider traditional or cultural culinary heritage for environmental and food safety, and ecotourism developments.
- **Active co-creation with stakeholders and end-users, including from third countries that export seafood to the EU.**

HORIZON-CL6-2021-FARM2FORK-01-11: Digital transition supporting inspection and control for sustainable fisheries - IA € 5M x 2 End TRL 6-8

Scope:

- Review existing and develop new technological solutions to improve:
 - I. **detection of illegal discards;**
 - II. checks on weighing, **weighing systems and accurate catch registration;**
 - III. data management , reporting & 3rd party reporting based on **remote electronic monitoring systems on vessels;**
 - IV. risk management applied to fisheries;
 - V. monitoring and control of **small-scale, recreational and long-distance fleet,**
 - VI. electronic marking of fishing gear,
 - VII. **identifying IUU activities** as well as fisheries products stemming from those activities,
 - VIII. promoting data standards and protection, remote access to data and automatic data exchange protocols,
 - IX. innovative tools to assess compliance with technical requirements and measures applicable to fishing vessels.
- Multi inter disciplinary Marine scientists, maritime (incl. fisheries) surveillance and control authorities, IT specialists and governance experts.

Transforming food systems for health, sustainability and inclusion

HORIZON-CL6-2021-FARM2FORK-01-12: Filling knowledge gaps on nutritional, safety, allergenicity and environmental assessment of alternative proteins and dietary shift - RIA € 11M x 1

Scope:

- Consider ALL alternative sources of proteins: **plant-based, microbe-based, ocean-based (fish, algae, invertebrates), fungus-based, insect-based, cultured meat, including their processing**, allowing comparison between them.
- Explore **positive and negative environmental, natural resources and climatic impacts** of each alternative protein.
- Characterise each type of alternative protein **nutritional quality, bioavailability, also within European dietary context**.
- Explore the **health impact dietary shift to alternative proteins e.g., allergy, compliance with nutrient dietary guidelines and safety** e.g., not cytotoxic, no toxic aggregates or toxic substances.
- **Conduct a comparative systemic analysis of conventional and alternative proteins**, inc. environmental footprint & health.
- Create/contribute to a data space to gather knowledge, information and results of studies, and share them openly.

HORIZON-CL6-2021-FARM2FORK-01-13: Evidence-based decision-making to change social norms towards zero food waste - RIA € 6M x 2 End TRL 4-5

Scope - Area A:

- Perform an **impact assessment and cost-benefit analysis** of existing food waste prevention actions within the EU & AC, as well as of **their impacts on economic, environmental and social dimensions**.
- **Develop a database for possible actions and tools** to prevent and reduce food waste and losses that will help inform future interventions by different stakeholders and promote replicability across countries.
- Develop sector-specific guidance on sharing key success factors, barriers and data for prevention and reduction.

HORIZON-CL6-2021-FARM2FORK-01-13: Evidence-based decision-making to change social norms towards zero food waste - RIA € 6M-7M x 2 End TRL 4-5

Scope - Area B:

- Support **R&I on the existing social norms responsible for food waste, to foster change in consumer behaviour** and business practices (e.g. marketing standards, retail and trade practices, restaurant portion sizes).
- **Analyse consumer behaviour**, include trends and correlations of food waste and convenience food (i.e. ready to eat); household level and food services (i.e. eating out/take away); obesity and malnutrition; crisis response policies (e.g. case of COVID-19).
- **Support innovative and/or improved business practices in both large companies and SMEs that effectively demonstrate the value of food as a mean to reduce food waste**; Redesign portion sizes to reduce food waste; Operationalize food waste reduction and prevention as part of internal corporate policies and business strategies; Propose or adapt technologies in date marking and sustainable and smart food packaging.
- Develop compelling communication products, for each relevant food system actor and education package for schools.
- Social innovation is recommended when the solution is at the socio-technical interface and requires social change.

HORIZON-CL6-2021-FARM2FORK-01-14: Microbes for healthy and sustainable food and diets – RIA € 12M x 1

Scope:

- Understand the interaction mechanisms between fermented foods, different types of food microbiomes, and the human microbiomes in order to **determine the role of fermented food in nutrition, health and diet diversification.**
- **Develop applicable solutions for the food processing industry utilizing microbial potential in the production of food ingredients, and nutrients including formulation into food products.**
- Develop tests to evaluate the condition of symbiosis between humans and microbiotas used routinely in diagnostics.
- **Use microbes to reduce food packaging, processing inputs (e.g. energy, water), & chemicals, while ensuring the increased lifespan and safety of the products and the benefits to human and animal health.**
- **Engagement relevant stakeholders (e.g. farmers, civil society organisations, regulatory bodies, citizens and media outlets), to ensure product acceptability and labelling.**
- Address relevant **regulatory** requirements.



HORIZON-CL6-2021-FARM2FORK-01-15: Transition to healthy and sustainable dietary behaviour – RIA € 12M x 1

Scope:

- **Create innovative strategies, tools and/or programmes to promote sustainable & healthy dietary behaviours and lifestyles** to be used by policy makers, as well as monitoring approaches to measure progress, considering a range of geographic, socio-economic, behavioural and cultural factors.
- **Map and monitor dietary patterns** at national/regional/rural/(sub)urban levels relevant to different genders, socio-economic and cultural groups, including the most vulnerable, to **provide a snapshot of the situation across Europe**.
- Understand and measure the impacts of the factors and incentives influencing individual and collective dietary choice.
- Understand the **barriers and enablers of food system actors** to improve food, and to produce, process, promote and propose healthier and environmentally, socially and economically sustainable food.
- **Develop tools for education, communication, engagement and training** on sustainable healthy nutrition and diets, adapted to different groups, cultures, needs, gender at different levels (e.g. public authorities, health care providers, education systems), to support national authorities, with their health promotion, disease prevention and care.
- Develop science-based tools for translating the scientific evidence base into **easy-to-understand food-based dietary guidelines by national competent authorities** to help citizens to make an informed, responsible and easy choice.

HORIZON-CL6-2021-FARM2FORK-01-16: Identification, assessment and management of existing and emerging food safety issues - RIA € 6M x 2

- Develop methods for **early identification and monitoring** of drivers of (re)emerging food safety risks.
- Develop methods and devices for the **characterisation of emerging risks**, and anticipating & mitigating their impacts.
- Develop **educational material/curricula** to strengthen existing **food safety risk analysis teaching**.
- **Engage authorities and citizens throughout Europe in early warning** and the identification of emerging risks.
- Develop guidance on integrating **food safety by design**.
- Develop methods to **guarantee food safety in local food systems, in small business & local cooperatives**.
- Develop holistic risk-benefit assessment methods and tools and implement these for use in a regulatory setting.
- Improve knowledge on the **persistence of pathogens (including viruses)** in food matrices and food processing.
- Develop **robust responsive models for food safety crisis management**.
- Support **evidence-based policymaking and efficient regulatory control and enforcement**.

HORIZON-CL6-2021-FARM2FORK-01-17: Increasing the transparency of EU food systems to boost health, sustainability and safety of products, processes and diets - IA € 11M x 1 **End TRL 6-7**

Expected outcomes:

- accelerate the deployment of transparency innovations and solutions in EU food systems, especially among micro-enterprises and SMEs, to boost health, sustainability, and safety of products, processes and diets and drive climate action
- make sure that future transparency innovations and solutions are demand-driven, systemic, and cost-effective and support the objectives of the EU Farm-to-Fork Strategy and the EU Green Deal



Targeted international cooperation

HORIZON-CL6-2021-FARM2FORK-01-18: One health approach for Food Nutrition Security and Sustainable Agriculture (FNSSA) - IA € 6M x 3 End TRL 5 Min. 6 African Partners

Scope:

- Build on existing and new knowledge, data, models and available tools to:
- **Identify local farm animals and crops in different African agro-ecological zones, to increase productivity, resilience and nutritional quality, considering the interactions between plants, animals, diseases, pests, zoonosis and abiotic and biotic stresses.**
- **Develop risk assessments methodologies and practices to tackle current and emerging plant diseases, pests and zoonosis, considering the interactions between plants, livestock health and the natural ecosystems.**
- Develop sustainable and systemic integrated approaches to plant and animal health from farm to international scales by optimising resource efficiency, minimising production losses and avoiding geographical spread of diseases.
- Engage academic, government, public and private institutions to achieve **public awareness, policies and practices.**

HORIZON-CL6-2021-FARM2FORK-01-19: EU-China international cooperation on integrated pest management in agriculture - RIA € 6M x 1

Scope:

- **Develop & implement integrated pest management practices for crops with the highest dependency on conventional chemical pesticides, and exchange of information, best practices and technologies will benefit the EU, AC & China.**
- **Enlarge the range of, such as crop diversification, species and varieties resistant to pests, preservation and enhancement of pests' natural enemies, etc.**
- **Develop technologies enabling prevention, modelling and monitoring of pest emergence allowing timely intervention.**
- **Develop risk assessment methods for assessing the risks and environmental impacts of these technologies.**
- **Support capacity building, training and education of growers and establish reward/incentives system.**



Coordination and Support Actions



- **HORIZON-CL6-2021-FARM2FORK-01-03: Digitalisation as an enabler of agroecological farming systems - CSA**
- **HORIZON-CL6-2021-FARM2FORK-01-07: Research & innovation roadmap for blockchain technologies in the agri-food sector - CSA**

Agricultural Research Organization is looking urgently for an Israeli SME partner:

Prima section 2.2.1 submission 21/4/2021 Up-scaling field practices based on agroecology to increase ecosystem services and biodiversity, to adapt the small-scale farming systems to climate change and to increase farmers' incomes.

VALMEDALM: VALorization of MEDiterranean ALMond orchards through the use of intercropping integrated strategies

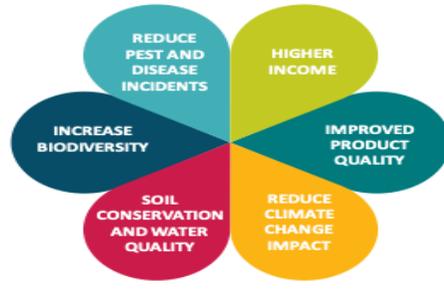
The preproposal is ready to go, and dependent in participation of an SME

SME will contribute 10% of the 200K € = 20K € for 3 years

Relevant technology: Agronomy, Sensors and field monitoring, Food production – to support novel sustainable practices in almond cultivation and production

Intercropping

- Reduce harmful insects
 - Trap cropping
 - Physical barrier effect
 - Biocide Effect
 - Reduce weeds
- Enhance the diversity of plants
 - Larger range of species (ex. Insects, birds, microorganisms)
 - Ecological stability
- Reduce soil runoff
 - Soil fertility enhancement
 - Reduction of fertilizer applications
 - Decrease soil erosion
 - Less nutrient loss from soil
 - Enhance soil carbon content



- Space maximization
 - Increase yield
 - Resource efficiency
 - Productivity increase
 - Reduce fertilizer and pesticide costs
- Provide nutrients for neighboring plants
 - Higher nitrogen content
- Increase carbon storage in soils and biomass
 - Provide mulching, improving soil water availability, organic matter, nutrients, moisture conservation, soil protection, and moderation of soil temperature



Coordinator: Alexandre Gonçalves, Portugal
Israeli PI and contact for details: Oren Shelef, PhD
shelef@volcani.agri.gov.il 0526610931





Finding Partners

1. Use your network
2. Take part in future brokerage events
3. Search [previously funded projects](#)
4. Use us – Send us a one-pager

Prepare a topic-specific one-pager

1. Use an official logo paper, pay attention to graphics as well as content
2. Start with a title that explains exactly what you want so that target crowd will actually read it : *An Israeli SME/Researcher/NGO <hyperlink to your website> ... that specializes in... is looking for an opportunity to join a consortium preparing a proposal under call topic XYZ...*
3. If you have already participated in an EU funded project, mention it immediately after the title – experience makes you very attractive!
4. The first paragraph should explain EXACTLY how is your expertise relevant to the chosen call topic.
 - If you have more then one in mind, prepper several different one-pagers.
 - This is the most interesting paragraph.
 - No potential partner will guess or think for you how you can fit.
5. Only then write about yourself, your expertise and your achievements. This is interesting only if someone found the beginning of this one-pager interesting enough to keep on reading...
6. Lastly Your Full contact details.
7. Save as PDF and upload Here > [Cluster 1 One-Pagers Drive](#)



THANK YOU **INNOVATION**
BREAKS BOUNDARIES

www.iserd.org.il

