



## European project on assuring food security and biodiversity in times of climate change

### 1. *Living Lab LivOrganic* (Denmark) joining the ECO-Ready consortium

The **LivOrganic** Living Lab is situated in the Scandinavian and the Baltic Sea bio-climatic region. It investigates the impact from climate change, biodiversity, agronomy and markets on stakeholders' decision whether to enhance or reduce organic food production, thus food security. It is the ambition of LivOrganic to become known as the living lab that offers a setting for addressing organic food security in connection with climate change and biodiversity.

LivOrganic will generate knowledge through co-creation processes with value chain stakeholders to identify pathways for maintaining food security for organic products in Scandinavia and the Baltic Sea region.

LivOrganic focuses on organic food products, namely 1) milk & dairy, 2) apples and potatoes, 3) barley and oats, 4) legumes, and 5) rapeseed. LivOrganic consortium includes a diverse community of growers, farmers and food processors from the organic agri-food sector. The Danish living lab connects with policy makers through roundtables and demonstrations. Furthermore, the living lab has access to a 5-hectares field lab equipped with precision farming tools for measuring climate impact on arable organic crops.



[More on LivOrganic](#)

### 2. *Living Lab EcoReadyMasuria* (Poland) joining the ECO-Ready consortium



The **EcoReadyMasuria Living Lab** is an open innovation initiative implemented to promote climate change adaptation solutions (agro-ecological practices and technologies) in Masuria, a region of Poland known as the *Land of a Thousand Lakes*, characterised by exceptional natural landscapes, rich biodiversity, and deep-rooted agricultural traditions.

EcoReadyMasuria's baseline data collection, farmer surveys and workshops will establish the most promising climate adaptation solutions available for Masurian farmers.

The Living Lab will model the impacts of these solutions on food security and biodiversity, and conduct on-farm trials to evaluate their effectiveness. Throughout the project, policy recommendations will be co-designed along with contingency plans to raise awareness and ensure the relevance and practicality of the proposed solutions.

[More on EcoReady Masuria](#)

### 3. *Living Lab ECOVita* (Hungary) joining the ECO-Ready consortium

The **Living Lab ECOVita** will provide a practice-oriented characterization of the local food system in the CEE bioclimatic zone. 5 scenarios will be tested at Csillagvaros vertical farm by modelling the supply chain of 6 selected products to respond to the ECO-Ready challenges. The whole process will involve a multisectoral, highly skilled core-team, composed of producers, consumers, and researchers. Living Lab methodology will be adapted in action-research that involves real-world experimentation & co-creation with stakeholders.

The EcoVita LL brings industry, academia and the civil society together for exploring the potential of vertical farming in dealing with the challenges of climate change and food security. Industry provides a network of experimental sites and is supported in its experiments by academia while participation of a consumer association assures that experiments are in line with consumer expectations.



[More on ECOVita](#)

### 4. *Living Lab ESAPPIN* (Germany) joining the ECO-Ready cons



The **ESAPPIN Living Lab** (LL) addresses food security in the German state of North Rhine Westphalia (NRW), bringing together actors from the academic, industrial, agricultural, and political spheres, with a key focus on processed food products. As the most populous German state, NRW presents an excellent location for a LL due to its wide range of agricultural activities and production of regionally relevant products. 5 key product groups (Barley, Oats, Strawberries/Raspberries, Rapeseed, and Mushrooms) will be investigated using a mixture of field analysis (using weather, soil, topography, and Earth observation data), and direct analysis of produced crops.

The ESAPPIN consortium brings together 4 complementary and multidisciplinary actors from NRW, Germany, covering the needs and competences required to successfully establish and run a LL. ESAPPIN is co-ordinated by ZENIT GmbH, the innovation- and Europe agency of NRW, bringing extensive experience in the areas of EU projects, cross-border collaboration, innovation management, innovation-related policy advice, and dissemination & communication activities.

[More on ESAPPIN](#)

### 5. *Living Lab Lofs* (France) joining the ECO-Ready consortium

By studying standard scenarios, the **Living Lab Lofs** aims to understand and quantify, at the scale of the sector and a specific territory, the challenges and impacts of future climate change for the plant sectors in the Loire Valley (Centre regions Loire Valley and Pays de la Loire). Through 5 workshops and meetings, it aims to identify the factors that can affect territorial food security and produce recommendations for policies and their influence, putting farmers and producers at the heart of the dynamics and strategic thinking.

The agricultural sector faces significant challenges: feeding populations, preserving biodiversity, supplying energy, and meeting health and environmental standards, all while dealing with limited land and resources, reducing greenhouse gas emissions and coping with climate hazards. To address these issues, a shift towards a more sustainable food system is necessary. This project produces and studies adaptative scenarios to understand and quantify the impacts of future climate change on the plant sectors in the Loire Valley. It aims to identify factors affecting food security and provide policy recommendations, with a focus on involving farmers and producers in strategic decision-making. Additionally, the project seeks to build a strong network for resilient and cohesive agriculture.



[More on Lofs](#)

## 6. Living Lab THALLA (Greece) joining the ECO-Ready consortium



The **Thriving Agroecology Living Lab (THALLA)** aims to co-create, explore, develop and examine in real-settings scenarios, dealing with food security, biodiversity and climate change challenges. It does focus on five key selected product types (Honey, tomato, wheat, olives, fish & aquaculture) in central Greece, leading to contingency planning that integrates economic, social, and environmental aspects as well as policy recommendations at regional, country and EU level, in order to strengthen food systems' resilience.

Following an open innovation approach and based on agro-ecology practices and LLS co-design methods and tools, a set of short- and long-term local case studies of relevant solutions will be provided. Building on the quadruple and quintuple helix approach (policy makers, research, citizens, farmers and food processors), a dynamic monitoring and early warning system will be established to share knowledge, nurture a community of practices, raise open public dialogue, enhance citizenship engagement and change customer preferences.

THALLA's objectives, as well as its role in addressing the challenges of the climate crisis were presented at the Conference: *Greenhouse gas emissions in agriculture and the role of the Circular Economy in addressing Climate Change*, organised by the Open University of Cyprus (OUC) and the Agricultural Research Institute (ARI) in collaboration with the Ministry of Agriculture, Rural Development and Environment in Cyprus (31/10/2024, Nicosia).



[More on THALLA](#)

### More information

For more information on the project and its development during the coming years you may subscribe to the newsletter through the newsletter link on its website. Previous newsletters are accessible on the website [www.ECO-ready.eu](http://www.ECO-ready.eu) as well.



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