

Living labs for Agroecology Transition

ALL-Ready -- The European Agroecology Living Lab and Research Infrastructure Network: Preparation phase

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Transformation needed to produce food and feed the (changing) world



Environmental challenges & feeding the (changing) world will require a major transformation in the way that we produce, manage and consume food.

Specifically:

- Sustainable and resilient agricultural production systems that can at the same time help mitigate GHG emissions and adapt to changing climate conditions, while providing food and nutrition security, preserving and using biodiversity;
- Rethinking how we produce food, reducing waste and losses, and taking an agroecological approach that safeguards biodiversity and ecosystems services.

Agroecology promotes a profound change of reasoning



- Diversification first for resilience;
- Act for and with the context;
- Alternate between context and science-based management.

This concerns actors of the Agriculture Knowledge and Innovation Systems, citizens and policy makers, at the local and global level, individually and collectively → Co-creation process.

Living Labs are open innovation arrangements

Principles	Values
Co-creation	Business
Real life	Social
With users	Knowledge
Characteristics	
Aim <ul style="list-style-type: none"> • Innovation • Formal learning 	Participants <ul style="list-style-type: none"> • Public-Private • Academics • People
Activities <ul style="list-style-type: none"> • Development • Co-creation • Iteration 	Context <ul style="list-style-type: none"> • Real life use

Research Infrastructures are research oriented facilities



Principles	Values
Facilities	Knowledge
Long term	Innovation
Open data and meta-data	Training and education
Characteristics	
Research oriented	
Innovation and training	
Services (information for users)	

Living Labs and Research Infrastructures generate a knowledge-based innovation and transition



A key assumption behind ALL-Ready is that RIs and LL are complementary instruments that have significant potential to contribute to amplifying the transition to agroecology in Europe, both individually and through their networking.

Conceptual Framework



Synthesising and further developing:

- The values, activities, policy incentives, and competences required to support the agroecology transition
- Relevant characteristics of living labs and research infrastructures
- Criteria to evaluate an organisation's maturity, trajectory, and interest – and potential value to the network and ultimate transition

Values

Activities

**Policy
incentives**

Competences

Needs for Agroecology transition



Activities for agroecology transition

Socio-economic and cultural context

Agroecosystem and environmental context

Co-creation

Resp. governance mechanisms

Consider cultural needs

Dev. Fair + circular economy

TRANSITION

Dev. synergies

Dev. efficiency

Improve resilience

Adapt to climate change

Landscape approach
Complementarity

Resource mgt.

Substitution

Diversification

Mitigation
C sequestration
Red.fossil fuel use

Sharing knowledge
Multi-actor approach

From local to global
With consumers
Inclusive governance
Common goods

Relation with the environment
Food culture
Consideration of cultures, identity, traditions, indigenous knowledge

Circularity
Solidarity

Criteria and indicators

Approach/ Governance



The organisation's activities include or support the **co-creation of innovation and knowledge**.

The organisation:

- Connects with farmers to co-create knowledge
- Promotes participatory and multi-stakeholder approaches
- Promotes co-creation of innovation (technological, environmental, social, or economic) Adopts a phased, lifecycle approach in its innovation activities (e.g., ideation, co-creation, experimentation, and validation)
- Encourages active involvement of users
- Considers the user's real-life context (e.g., innovations are tested where users would actually use them, such as on-farm testing of agroecology practices)
- Is place-based (embedded within a broader community, landscape, region, or other geographical or socio-spatial context)
- Conducts research and education in the field
- Promotes diversity of facilities, data production and context that allow scientific production and references for stakeholders
- Promotes social learning
- Evaluates and adjusts (on an ongoing basis) in response to evolving contexts and the expected and unexpected results and effects of what is co-created

Criteria and indicators

Principles



The organisation supports **climate change adaptation and mitigation and environmental adaptation** of agricultural practices.

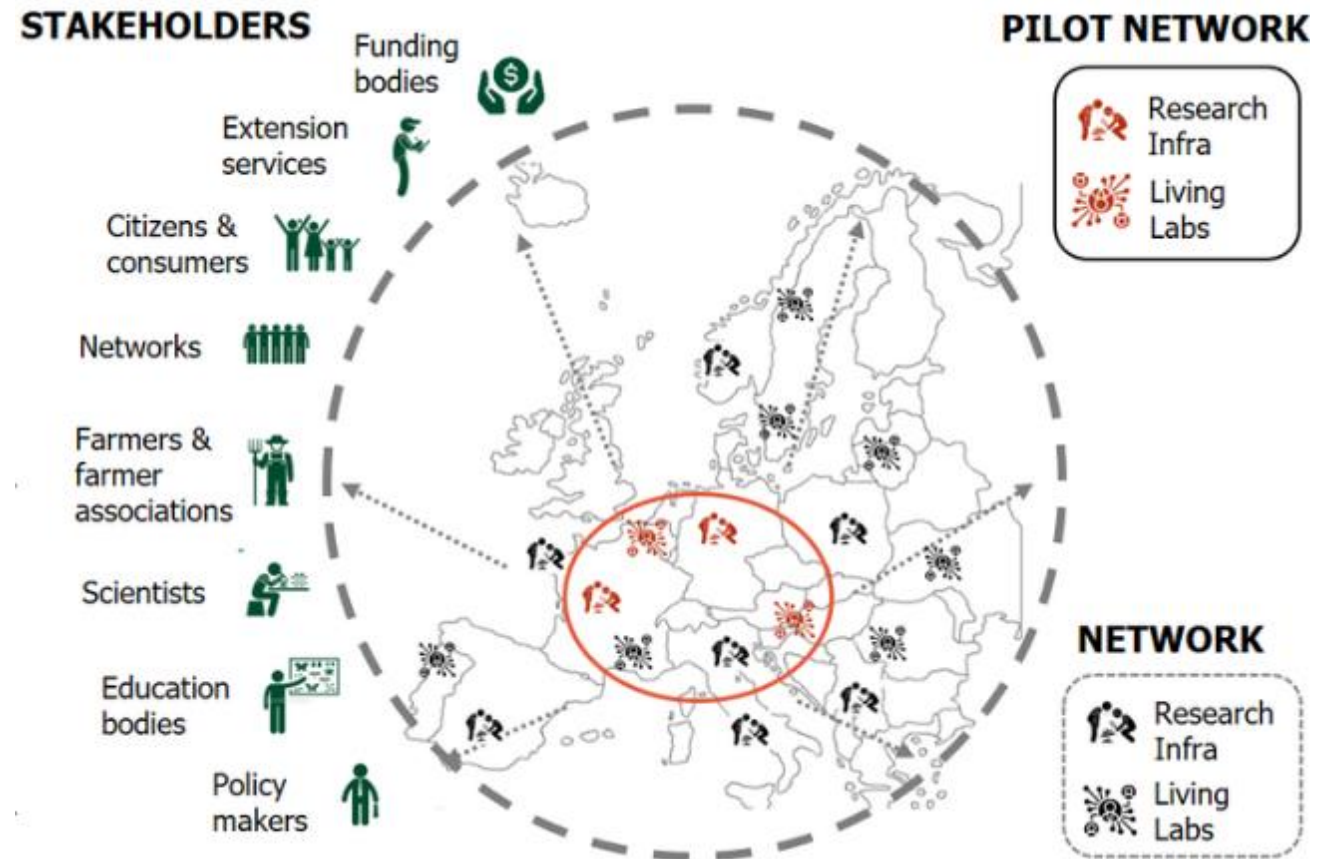
The organisation:

- ❑ Considers biological and Integrated pest management
- ❑ Considers cover crops for improved soil conditions
- ❑ Considers perennial crops
- ❑ Considers reduced tillage
- ❑ Considers adoption of organic and low-input farming (e.g., reduced use of water, nutrients, or pesticides)
- ❑ Considers protection of domestic pollinators
- ❑ Considers improved animal welfare and health
- ❑ Considers other landscape planning and synchronised landscape activity leading to improved agricultural ecosystem services
- ❑ Considers climate mitigation through system redesign and practices that sequester carbon and reduce greenhouse gas emissions

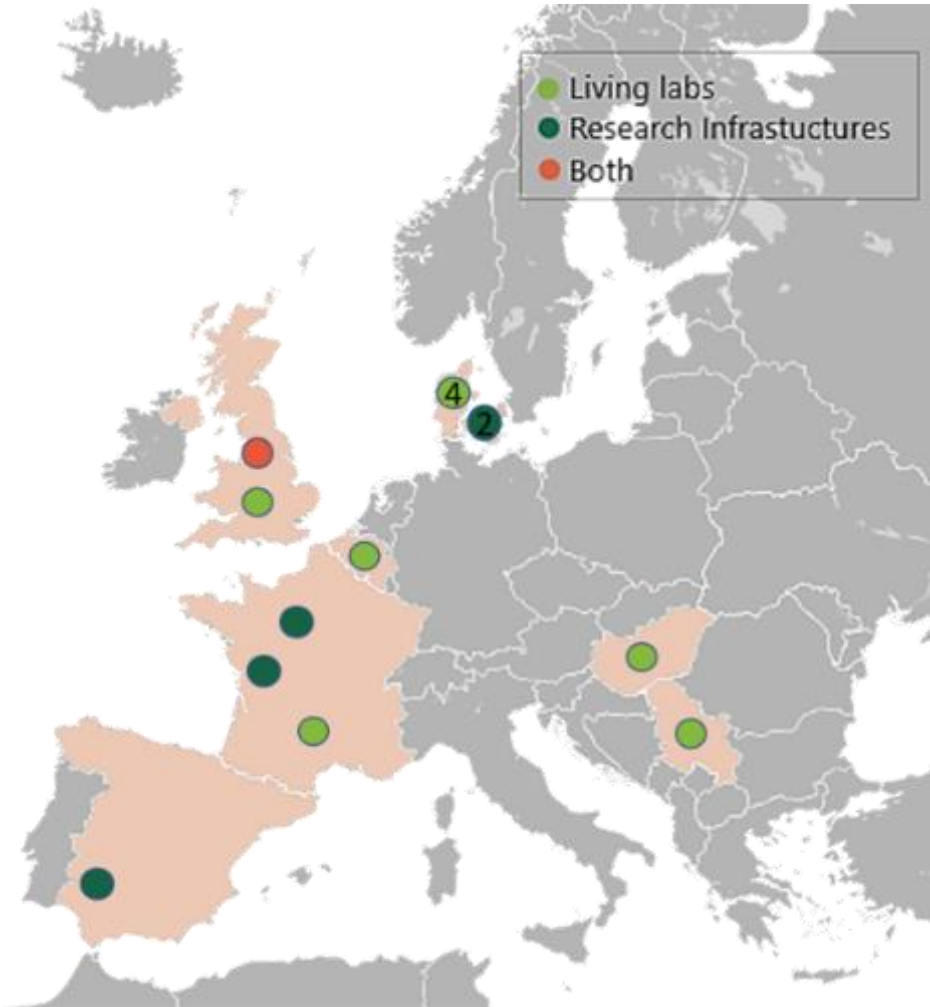
ALL-Ready Pilot Network Goals



1. Serve as a **small-scale ,testbed'** to **experiment and give feedback** on the tools, concepts and recommendations developed in the ALL-Ready project
2. **Build strong links and cooperation between the members**
3. **Prepare joint activities** in line with your agroecology interests



PILOT NETWORK MEMBERS



LLs:

- Belgium - Living Lab on Agro-Ecology and Organic Agriculture in Flanders (LLAEBIO)
- Denmark – Carbonfarm, ROADMAP
- France – Occitanum
- Germany – Praxisforschungsnetzwerk Hessen (PFN Hessen)
- Greece – Internet of Food Alliance (InoFA)
- Hungary – ÖMKi On-Farm Living Lab (ÖMKi)
- United Kingdom - Innovative Farmers (IF)
- Serbia – Precision Agriculture for All (PA4ALL)
- Spain – Guadalinfo
- Switzerland – FiBL On-farm Living Lab (FiBL)

RIs:

- Denmark –Biobase, ReWet
- France – LTSER Zone Atelier Plaine & Val de Sèvre (ZAPVS), OasYs
- Germany – EMPHASIS
- United Kingdom - Institute of Sustainable Food (ISF)
- Spain – LifeWatch-ERIC

Both (LL&RI):

- Canada – Agricultural Climate Solutions (ACS)

Added value of a European Network



- Strengthened networking and collaboration
 - **promote co-creation of knowledge and engagement of stakeholders in transition to agroecology.**
- Raising awareness of topics and impacts of transition to sustainable food systems for wider society
 - **increase motivation of wider food systems actors to engage in LLs and transition to agroecology.**
- Reaching the entire value chain, from seed producers to consumers
 - **promote value chain solutions & support creation of circular and solidarity economies**
- Close collaboration with other networks in the European agricultural and rural development arena
 - **utilise synergies and complementarities** with EIP Agri, European Network for Rural Development and other Horizon Europe Partnerships and Missions

Key factors (selection) for the implementation



- **Adaptive governance** responding to changes in size and experiences of its members
- Adequate **resource allocation for network management** (e.g. full-time management position)
- **Step-by-step development** of the network – importance of consolidation of processes and activities
- Developing tools or approaches to enhance network coordination, and monitoring and evaluation of performance – **generating evidence about benefits of creation and participation**
- **Focus of activities** on knowledge sharing, networking and demonstration across Europe complemented by trans/international research
- Outreach activities to national ministries to safeguard **long-term funding** for specific network activities, and generating **revenue streams** to reduce dependence from public funding
- Develop guidelines and protocols to support **data harmonisation and mobilisation**
- Addressing legal differences between countries and issues on **ownership of new knowledge**

Project website and other tools



[This website is under construction]

ALL-Ready

The European Agroecology Living Lab and Research Infrastructure Network: Preparation phase

ALL-Ready is a Coordination and Support Action (CSA) funded by the European Commission (EC) with the aim of preparing a framework for a future European network of Living Labs (LL) and Research Infrastructures (RI) that will enable the transition towards agroecology throughout Europe. Based on the premise that agroecology can strengthen the sustainability and resilience of farming systems, the project will contribute to addressing the multiple challenges that they are facing today including climate change, loss of biodiversity, dwindling resources, degradation of soil and water quality. [More](#)

No news available.



ALL-Ready – The European Agroecology Living Lab and Research Infrastructure Network: Preparation phase

Funding: [Horizon 2020](#)
Call: Rural Renaissance – Fostering innovation and business opportunities
Topic: HIR-01-2020 – Strengthening the European agro-ecological research and innovation ecosystem
Grant agreement: No. 101000349
Coordinator: Dr. Hedder Mehlem, INRAE, 147 rue de l'Université, 75338 Paris cedex 07, France
Duration: November 2020 to October 2023

[www.all-ready-project.eu](#)
[All-Ready on Google](#)
[More about ALL-Ready](#)

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www.all-ready-project.eu/



www.cordis.europa.eu/project/id/101000349/de



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Many thanks for your attention!

For any queries on the project, please feel free to contact:
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An European project preparing the Partnership on Agroecology Living Labs and Research Infrastructures



- Coordination and Support Action
- Start date: 01 November 2020
- End date: 31 October 2023
- Funded under Horizon 2020
- EU contribution: € 2,136,174.00
- Consortium of 13 partners (details on next slide)
- Coordinated by INRAE in support of FACCE-JPI



Complementary profiles and links to relevant initiatives




INRAE - French Research Institute for Agriculture, Food and Environment

- Research Institute
- France



AU - Aarhus University

- University
- Denmark



FiBL - Research Institute of Organic Agriculture (FiBL Europe)

- Research Institute
- Belgium



Ecologic - Ecologic Institute

- Academic Think Tank
- Germany



AAFC - Agriculture and Agri-Food Canada

- Government body
- Canada



ÖmKi - Research Institute of Organic Agriculture

- Research Institute
- Hungary



TI - Johann Heinrich von Thünen Institute

- Research Institute
- Germany



ELO - European Landowners' Organization

- Federation
- Belgium



LifeWatch ERIC - e-Infrastructure for Biodiversity and Ecosystem Research

- European RI Consortium
- Spain



- Links established to:
- FACCE-JPI
 - BiodivERsA
 - CORE Organic
 - BioEast
 - EIP Agri
 - AKIS
 - JRC
 - FAO...

ENoLL - European Network of Living Labs

- International Federation
- Belgium



BIOS - Biosense Institute

- Research Institute
- Serbia



ILVO - Flanders Research Institute for agriculture, fisheries and food

- Research Institute
- Belgium



USFD - University of Sheffield → U . Twente

- University
- United Kingdom → NL

