

The candidate European partnership 'Accelerating farming systems transition: Agroecology living labs and research infrastructures'

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Workshop to launch the process to develop the SRIA

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SCAR-AE Process for preparing the partnership proposal template

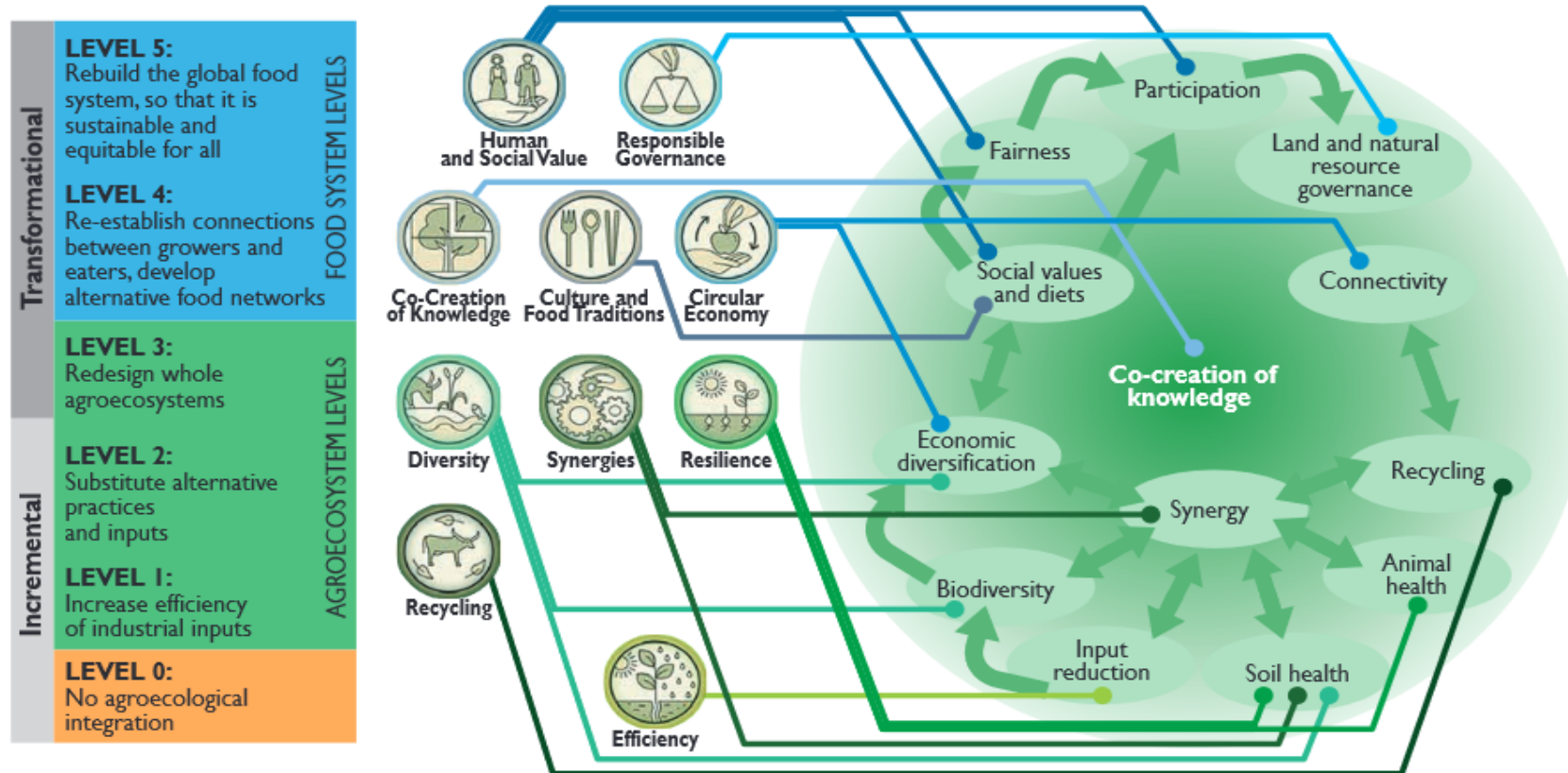
Benefiting from previous work

- ▀ EC input paper into the partnership preparation
- ▀ Series of webinars organised by EC in 2020
- ▀ Incorporating the work of three CSAs (ALL-Ready, AE4EU, SMS) & FACCE-JPI

Involving and preparing the scientific community

- ▀ National SCAR-AE delegates and CCPs involved and informed
- ▀ TFs involving relevant national actors and designated members of the 3 CSAs
- ▀ National mirror groups already in place or being set up in some countries
- ▀ Ensuring synergies with other initiatives (partnerships, soil mission) and with other SCAR WGs

5 levels of FS transformation/13 AE principles



▲ *Linking FAO's 10 elements, Gliessmann's 5 levels of food system transformation and the 13 HLPE principles*
 Correspondence based on Wezel et al., 2020. *Agroecological principles and elements and their implications for transitioning to sustainable food systems. A review. Agronomy for Sustainable Development, (2020) 40: 40.*

Common guidelines for AE

- Reduction of GHG
- Conserving resources (water, nutrients...)
- Water retention
- Resilience of agricultural systems to adapt to climate change
- Adapt cropping patterns and field structures to landscape
- Ecosystem services, biodiversity and beneficial biological interactions
- Soil health and quality
- Food competition between humans and livestock
- Animal welfare and dual-purpose livestock
- Social standards and sustainable value chains
- Communication between producers and consumers



Vision



Team-up and unlock the **transition to agroecology** so that farming systems are resilient, productive and prosperous, place-sensitive, climate, environment-ecosystem, biodiversity- and people-friendly by 2050

Links with other Partnerships and Missions To be further developed with the SRIA

General Objectives

GO1. Mainstream the principles of AE to redesign farming systems across a diverse Europe

GO2. Build-up and expand collaborations to co-create and share knowledge and solutions that empower all actors (producers, consumers, policy makers, civil society) to engage in the AE transition

GO3. Contribute to fulfilling the Sustainable Development Goals and the Green Deal targets by 2030 and climate neutrality in Europe by 2050 by supporting the implementation of key EU strategies and policies

Specific Objectives

SO1. Increase research-based knowledge on the benefits and challenges of AE and its potential for farming, food, climate, ecosystem services and environmental footprint reduction as well as resource use and societal impacts

SO2. Develop and co-create innovations to reduce and share the risks of transition for both individuals and collectives

SO3. Improve the sharing and access to knowledge on AE as well as reinforce the **agricultural knowledge and innovation systems** for AE across Europe, considering culture, gender, and youth aspects

SO4. Build a monitoring and data framework to measure progress of the AE transition and improve data valorisation and sharing

SO5. Exchange with policy makers (research and sectoral) and stakeholders on AE transition and mainstreaming of AE practices to contribute to improved governance, policies, and institutions

Instruments - Living Labs

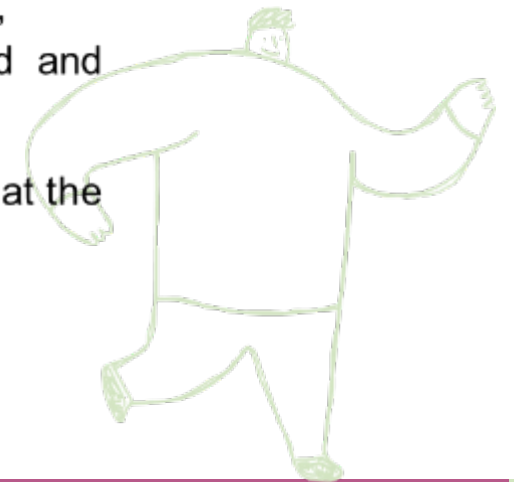
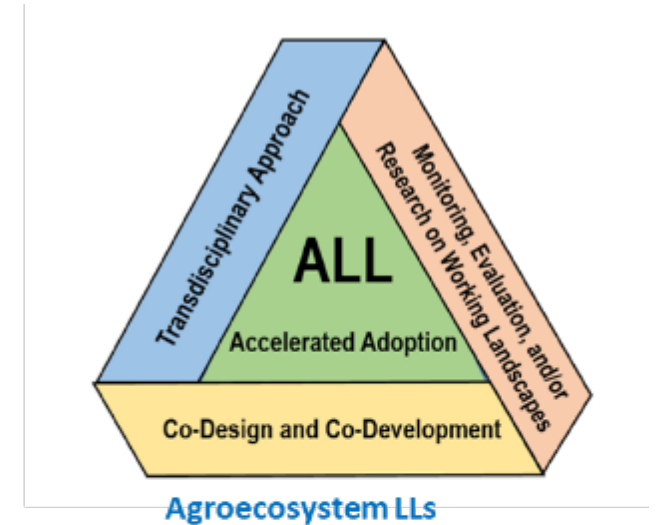
ENoLL's five key elements of LLs:

- 1) Active user involvement,
- 2) Real-life setting,
- 3) Multi-stakeholder,
- 4) Multi-method approach,
- 5) Co-creation (i.e. iterations of design cycles with different sets of stakeholders)

AE LLs features:

- i) Very strong local embeddedness,
- ii) Large diversity of their origins, from farms to networks or communities,
- iii) Heterogeneity and intensity of knowledge and innovations needed and produced (from practice to policies).

Different scales: **farm** and its immediate surroundings (network of farms), at the **landscape** or at the **regional level**.



Operational Objectives (incl. activities & KPIs)

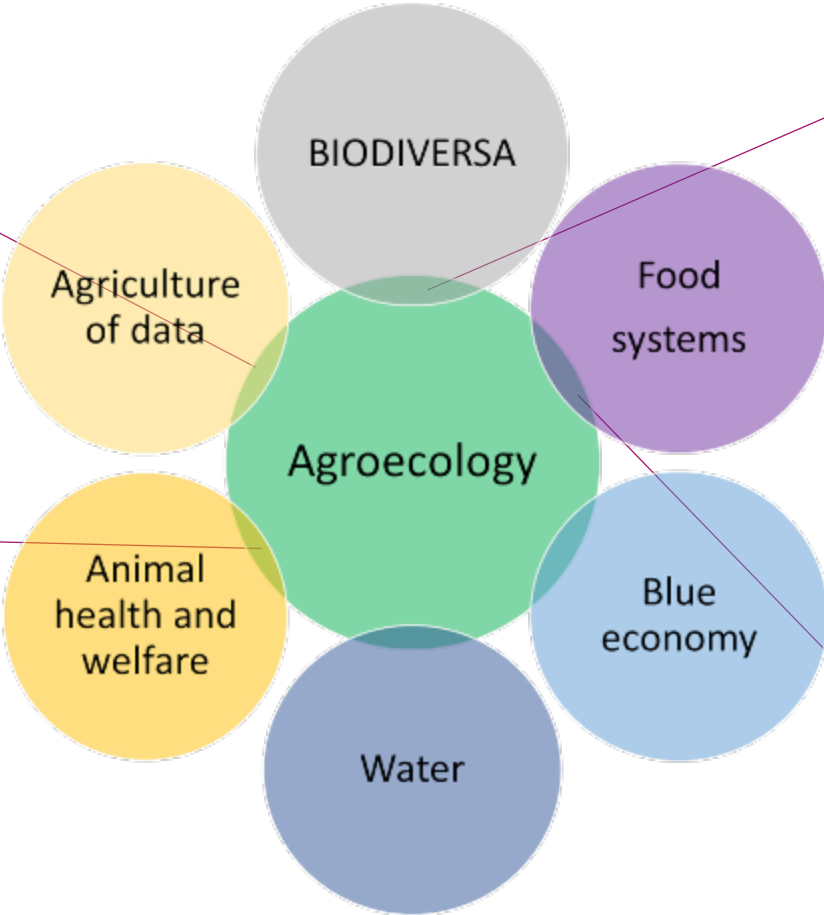
- OO1 Support transnational research and innovation activities on the challenges and potential of AE in addressing biophysical, environmental, climate, social and economic dimensions of sustainability, at farming, local environment and broader societal levels.
- OO2. Support research in and on LLs across Europe to support AE transition.
- OO3. Build and organise a European network of new and existing LLs and RIs for knowledge sharing and co-creation on AE innovations at various scales.
- OO4. Build capacities of various actors at the levels of networking, AE and LLs to foster AE transition.
- OO5. Improve access to and use of services provided by RIs and other relevant initiatives for long-term measurement, observation and experimentation in support of AE.
- OO6. Setup a framework, data management, indicators, and tools to monitor the AE transition, its impacts and social, economic, environmental and climate performance, for a variety of actors, contexts and scales.
- OO7. Design and implement communication and dissemination activities to support AE transition through increased uptake by practitioners and to improve stakeholder engagement, including the wider public.
- OO8. Put in place mechanisms for science-policy dialogue in support of the establishment and implementation of evidence-based policies (research and sectoral), that supports AE transition, including long-term funding for AE R&I.



A „partnership landscape“ (cluster 6)

E.g. Data-based tools to enable the AE practices; Monitoring progress, impact of AE transition; LL and infrastructure as source of data

E.g. Benefits of agroecological systems for animal health and welfare (guiding principle); AE as tool for reduced use of antimicrobials; Safety of animal effluents used as fertilisers



E.g. Farming <> biodiversity; Ecosystem protection and restoration; Multi-functional landscapes; Functional biodiversity; AE practices for the preservation of biodiversity

E.g. Consumer pull for ecological products; Value chain/Business Models, Food processing for AE products (lock-ins); Drivers & incentives; Ensure an integrated approach to food systems from production to diets

Thank you for your attention

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More
information

SCAR
Standing Committee
on Agricultural Research

