Showcases

The 6 PATH2DEA showcases comprise Agroforestry supported by digital tools in Belgium, livestock farming using sensors in Hungary, smallholder olive farmers applying Decisions support systems in Tuscany, Italy; sensors to measure environmental parameters for sustainable wine production in Catalunya, advanced IoT vegetable production in Andalusian greenhouses and TERRENA cooperative in the Northwest of France.

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Contact

Coordination: AIT Austrian Insitute of Technology GmbH
Dr Stefan Pfeiffer, stefan.pfeiffer@ait.ac.at

Communication & dissemination: FiBL Europe
Francesca Bellino, francesca.bellino@fibl.org

www.path2dea.eu

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13 Principles of Agroecology

AGROECOSYSTEM

1. Recycling
2. Input reduction
3. Soil health
4. Animal health
5. Biodiversity
6. Synergy
7. Economic diversification

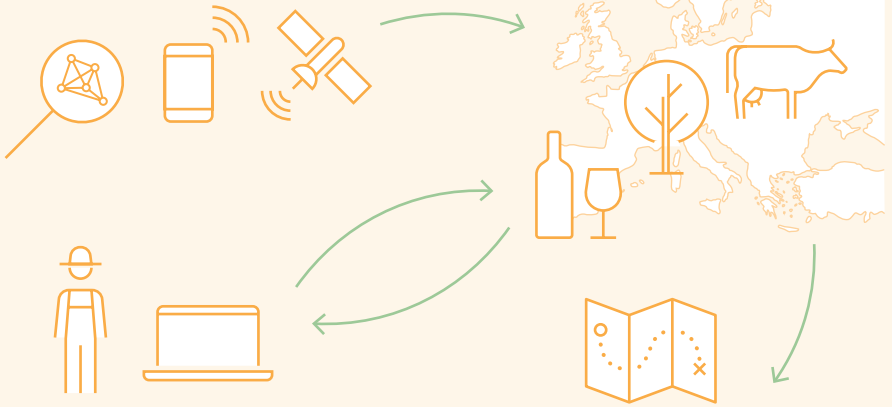
FOOD SYSTEM

8. Co-creation of knowledge
9. Social values & diets
10. Fairness
11. Connectivity
12. Land & natural resource governance
13. Participation

Digitalisation

Digitalisation may foster more sustainable EU food systems, particularly when paired with principles of agroecological farming. Agroecology means working with ecosystems, and combines science with producers' traditional knowledge. Thus, information-intensive agroecological farming will benefit from a digitalisation, both by an improved performance and via support to the farmers' decision-making process.

Analyzing digital tools for agriculture according to fair and sustainable standards



Applying digital tools in six European showcases and EU-wide survey

Create a virtual repository that farmers and consultants can access to learn about new digital tools

Producing a Research and Innovation Roadmap to enable and support agro-ecological farming

Building an Agroecology Cluster with projects that have similar objectives

Results of the project feed into EU policy-making

PATH2DEA promotes that digitalisation will act as an "enabler" of agroecology, as a catalyzer, so that European farming systems can move towards more sustainability.

PATH2DEA will build a bridge connecting across EU initiatives and platforms in both agroecology and digital technology. PATH2DEA will deliver a robust knowledge base in the frame of an Open Source Repository of digital tools and technologies in agroecology with decision support functionalities and a well-aligned R&I Roadmap for guiding digital agroecology transition.