

CDG International aspects for agriculture

Agroecology Europe (AEEU)

11 May 2023



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Agroecology Europe Board Member**



This presentation

- Presentation of Agroecology Europe
- What is Agroecology and why it is important for EU policy making?
- What needs to be done to upscale agroecology?
- How could we move on together?

Presentation of Agroecology Europe

Agroecology Europe is the European association promoting the transition towards agroecology-based sustainable farming and food systems as a set of practices, a science and a movement across Europe and throughout the world, by facilitating knowledge sharing and action.

More than 300
members from 15
countries

established in 2016 to
support the agroecological
transition in Europe

aims to analyse, design, develop and
promote the transition towards
agroecology-based farming and food
systems

NGOs, Universities, Scientists, Students,
PHD students, farmers, social
movements, etc.



Intends to place agroecology
high on the EU agenda

Foster interactions between
actors in science, practice
and social movements

Food system transformation level and principles

TRANSFORMATIONAL

LEVEL 5

Build a new global food system based on participation, localness, fairness and justice

LEVEL 4

Reconnect consumers and producers through the development of alternative food networks

LEVEL 3

Redesign agroecosystems

INCREMENTAL

LEVEL 2

Substitute conventional inputs and practices with agroecological alternatives

LEVEL 1

Increase efficiency of input use and reduce use of costly, scarce or environmentally damaging inputs

FOOD SYSTEM

AGROECOSYSTEM



THE FIVE LEVELS OF TRANSITION TOWARDS SUSTAINABLE FOOD SYSTEMS AND THE RELATED 13 PRINCIPLES OF AGROECOLOGY

SOURCE: GLIESSMAN (2007) AND HLPE (2019)

Our Networks and Partners

Advocacy and Campaigning



Task Force Agroecology



International Coalition



AGROECOLOGY COALITION

The coalition for the transformation of food systems through agroecology

Research Interfaces

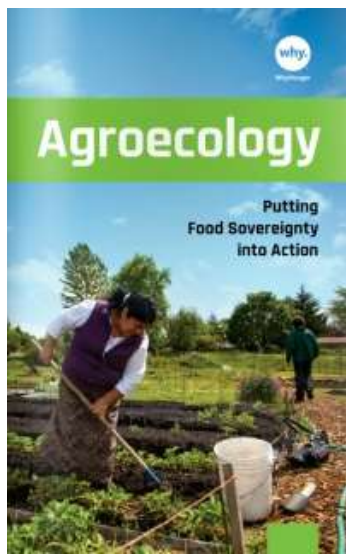


Horizon Europe Research Project



**Agroecology :
the way forward to insure food security in
the short, medium and long-term and
move towards a climate-resilient
agriculture**





Demand on food sovereignty, peasant farming, autonomy for the local populations



- Movement of peasants, indigenous people, farmer groups, e.g. *Via Campesina*
- Co-creation of knowledge
- Campesino-to-Campesino exchange



Agroecological practices for food security and nutrition

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Can agroecology improve food security and nutrition? A review

Rachel Bezner Kerr^{a,*}, Sidney Madsen^a, Moritz Stüber^b, Jeffrey Liebert^c, Stephanie Enloe^a,
Noélie Borghino^b, Phoebe Parros^b, Daniel Munyao Mutyambai^c, Marie Prudhon^b,
Alexander Wezel^b

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ABSTRACT

Agroecology increasingly has gained scientific and policy recognition as having potential to address environ-

(Bezner Kerr Wezel, 2021)

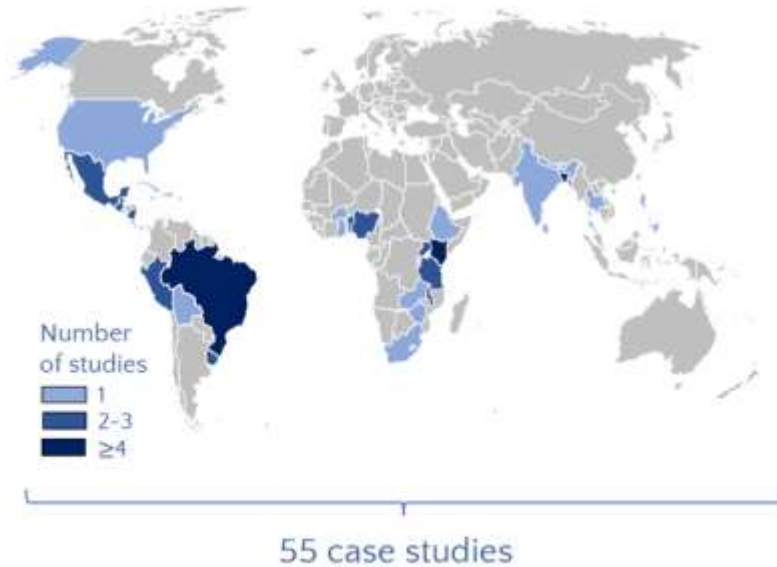
How does agroecology influence Food Security and Nutrition (FSN)?

78% of studies found evidence of a positive relationship between agroecology and FSN.

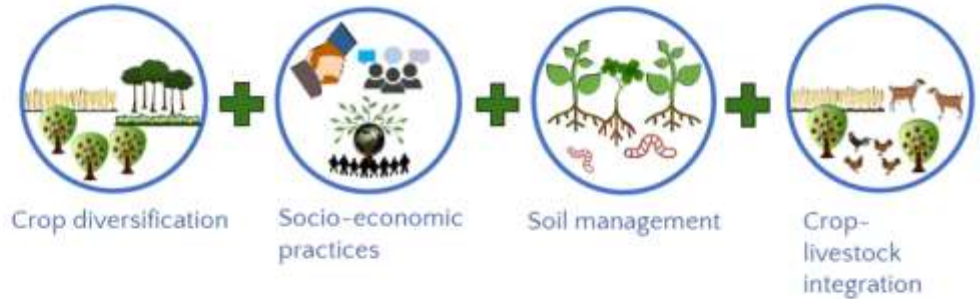


% of cases showing improved FSN

lower higher



No. of agroecological components in farming system



Climate change adaptation

→ Climate change adaptation with agroecological practices and farm resilience

BACKGROUND PAPER



THE CONTRIBUTION OF AGROECOLOGICAL APPROACHES TO REALIZING CLIMATE-RESILIENT AGRICULTURE

Fergus Sinclair, Alexander Wezel, Cheikh Mbow, Susan Chomba, Valentina Robiglio, and Rhett Harrison

Executive Summary

It is generally accepted that agriculture is a major driver of climate change as well as being acutely challenged to adapt to

(Sinclair et al. 2019. GCA report)

The way forward Agroecology in Europe : TYFA scenario

IDDRI

STUDY

N°09/18 SEPTEMBER 2018

An agroecological Europe in 2050: multifunctional agriculture for healthy eating

Findings from the Ten Years For Agroecology
(TYFA) modelling exercise

Xavier Poux (AScA, IDDRI), Pierre-Marie Aubert (IDDRI)

With contributions from Jonathan Saulnier, Sarah Lumbroso (AScA), Sébastien Treyer, William Loveluck, Elisabeth Hege, Marie-Hélène Schwoob (IDDRI)

- The TYFA scenario (Ten Years for Agroecology) is based on **phasing out pesticides and synthetic fertilisers**, redeploing natural grasslands and extending agroecological infrastructures
- It also envisages the generalisation of **healthier diets** containing fewer animal products and more fruit and vegetables.
- This scenario **meets the food needs** of all Europeans while **maintaining production and export capacity** for cereals, dairy products and wine.
- It **reduces agricultural sector GHG emissions** by 40 % compared to 2010, **restores biodiversity and protects natural resources** (soil life, water quality, more complex trophic chains).

Recommendations to build markets fostering agroecology



- Conduct public awareness campaigns about the benefits of agroecology and of diversified diets
- Enhance local authorities' capacity to design local policies that support agroecological markets through more direct connection between producers and consumers (particularly diversified market networks)
- Encourage public procurement from agroecological producers by adapting procurement protocols to the local realities of agroecological production and ensure that prices reflect the value added of agroecological production and ecosystem services
- Recognize Participatory Guarantee Systems as a valid means to certify organic, ecological and agroecological producers on local and domestic market
- Recognize central role of farmers and promote coherent policies to increase the number of young people in farming



Time for the European Commission to:

- Agroecology 10 elements have been approved by FAO by all member countries and the EU and its 13 principles defined by the High Level Panel of Experts, now it is time for EU to lead the process to bring Agroecology at UNEP General Assembly in 2024 to empower millions of farmers to be the actors of transition towards sustainability
- Invite at next Dialogue AFSA, an Association of 400 African associations working on Agroecology to jointly prepare a road map
- Integrate Agroecology to the on-going process with Canada to enhance maintenance and sustainable use of Agrobiodiversity to accompany transition of agriculture towards sustainable and resilient production systems

Thank you a lot for your attention

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Agroecology
Europe