

CDG International aspects for agriculture

Agroecology Europe (AEEU)

11 May 2023



Agroecology
Europe

Caterina Batello,
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

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

established in 2016 to
support the agroecological
transition in Europe



Intends to place agroecology
high on the EU agenda

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

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



**EU FOOD
POLICY
COALITION**



International Coalition **AGROECOLOGY COALITION**

The coalition for the transformation of food systems through agroecology

Research Interfaces

SCAR
Standing Committee
on Agricultural Research

TPorganics
European Technology Platform

Task Force Agroecology



IDDRI
INSTITUT DU DÉVELOPPEMENT DURABLE
ET DES TRANSITIONS ÉCARTONALES

Slow Food

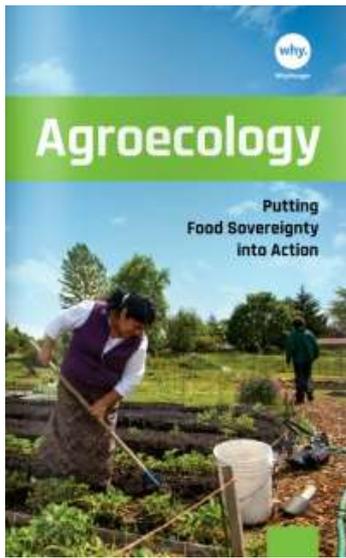


CIDSE
civisme for public justice



**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

Global Food Security 29 (2021) 100540

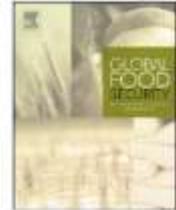


ELSEVIER

Contents lists available at [ScienceDirect](#)

Global Food Security

journal homepage: www.elsevier.com/locate/gfs



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

^a Department of Global Development, Cornell University, Ithaca, NY, United States

^b Isara, AgroSchool for Life, Agroecology and Environment research unit, Lyon, France

^c Soil & Crop Sciences Section, School of Integrative Plant Science, Cornell University, Ithaca, NY, USA

ARTICLE INFO

Keywords:

ABSTRACT

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

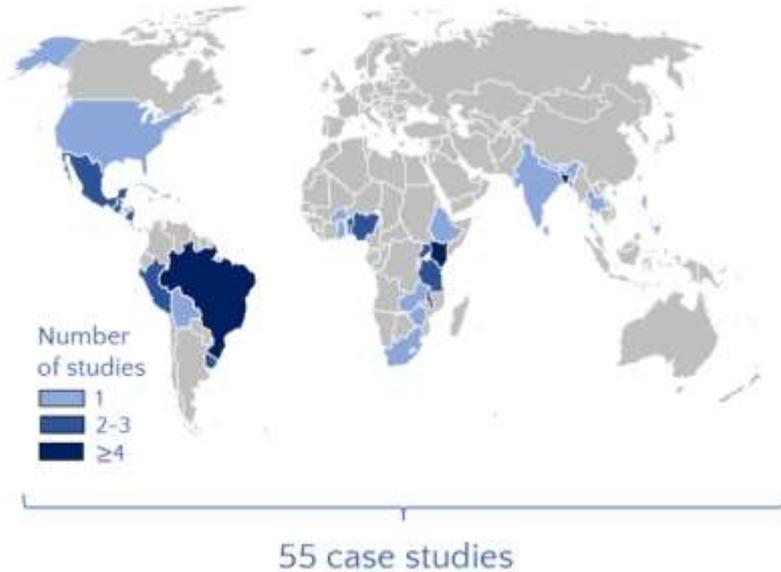
(Bezner Kerr Wezel, 2021)

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

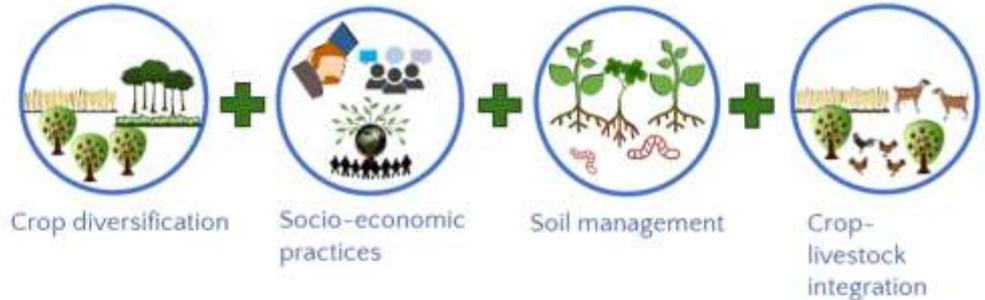
78% of studies found evidence of a positive relationship between agroecology and FSN.



lower % of cases showing improved FSN higher



No. of agroecological components in farming system



Climate change adaptation

- **Climate change adaptation with agroecological practices and farm resilience**

BACKGROUND PAPER



RESEARCH PROGRAM ON
Forests, Trees and
Agroforestry

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

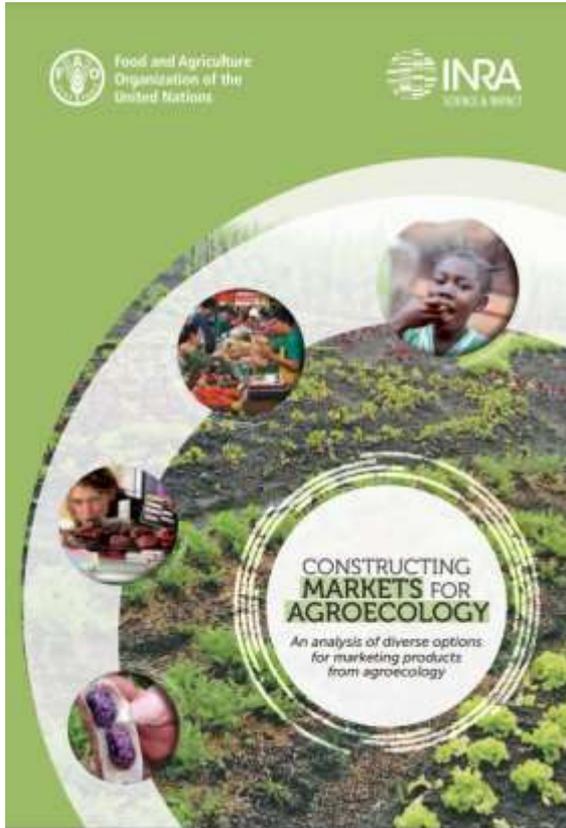
Findings from the Ten Years For Agroecology
(TYFA) modelling exercise

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



Time for the European Commission to:

- Agroecology has been defined in 2019 by FAO, and by the High Level Panel of Experts, Committee on World Food Security
- Consider the 13 agroecology principles to create policy consistency and a programmatic long term approach in different EU policy areas : agriculture, one health, environment, climate change, international cooperation and trade agreements
- Integrate the 13 agroecology principles within the legislative framework for sustainable food systems (SFS Law) and insure alignment with the current and new CAP

Thank you a lot for your attention

Agroecology Europe (AEEU)

11 May 2023



Agroecology
Europe