

10 May 2023

Innovations Session N°13

Producers' and SMEs innovations
in agroecology for sustainable
agrifood systems



INNOVATIONS[📶]
SERIES





Networking for a greener Africa.

AGROECOLOGY!

NETWORKING FOR A GREENER AFRICA



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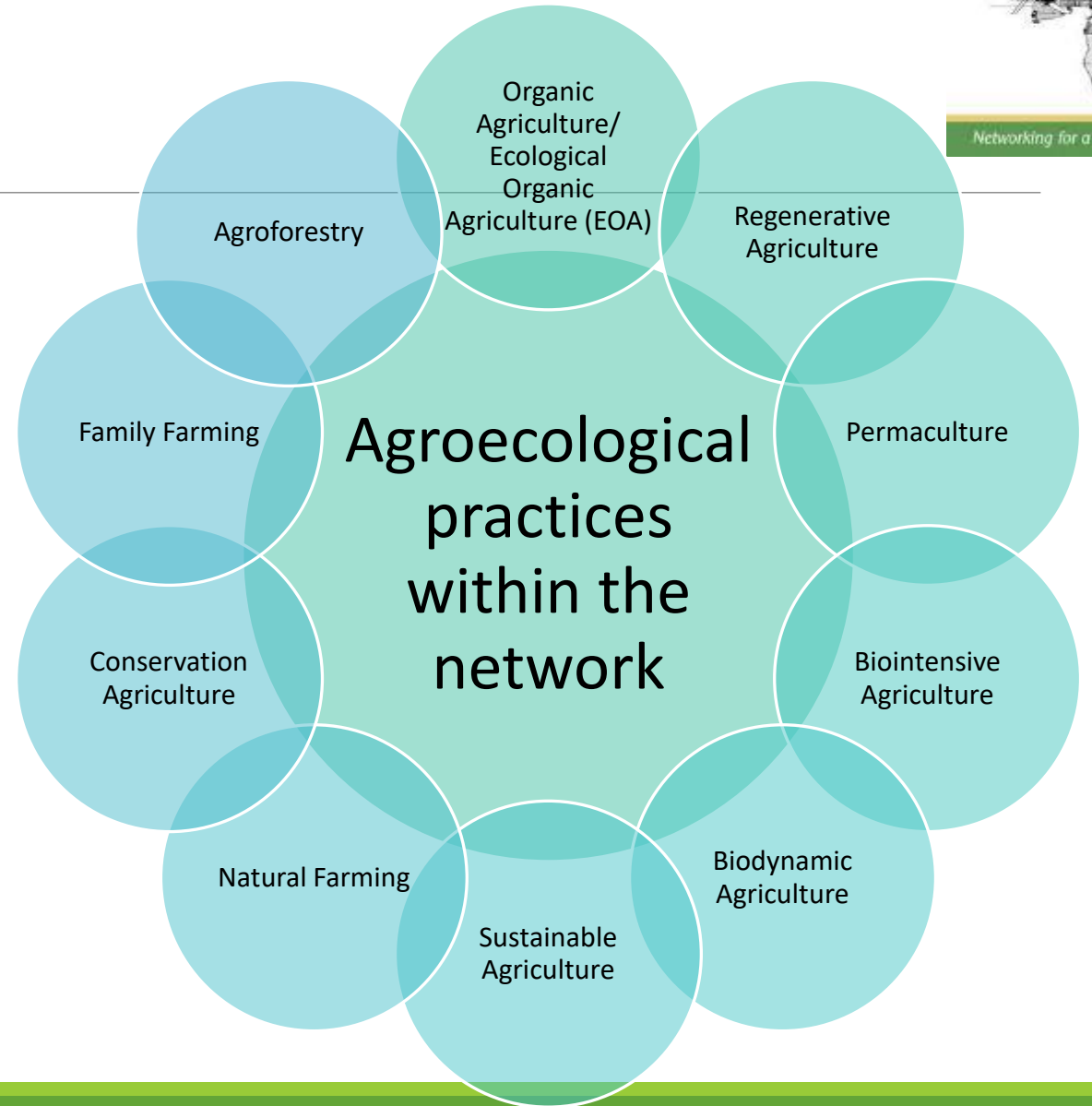
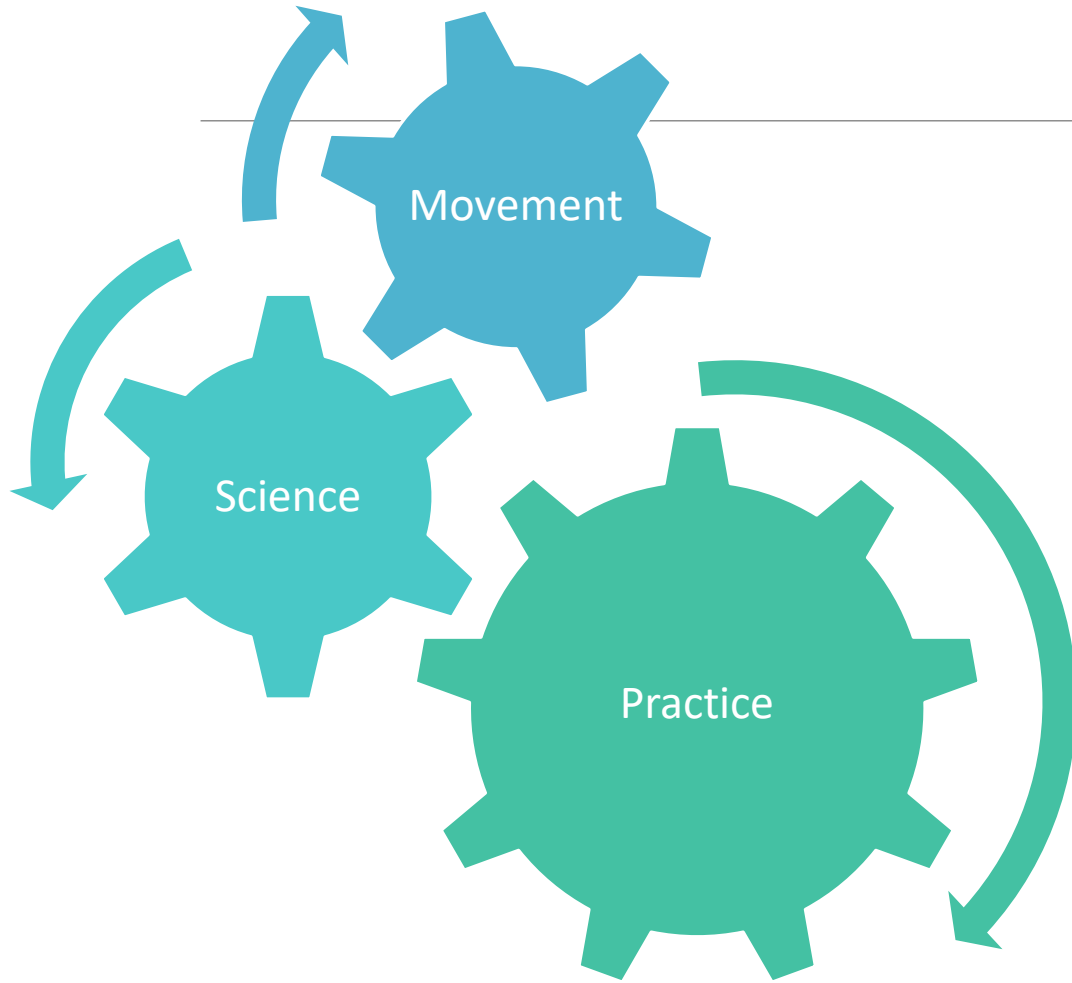
PELUM Kenya Mission- To promote agroecological principles and practices through member organizations for sustainable livelihoods of small holder farmers and pastoralist communities in Kenya.

Agroecology- a form of agriculture system that maintains ecological processes and increases biological diversity by applying ecological, social and art practices and principles for production of safe food- PELUM Kenya strategic Plan 2021 to 2025.

AGROECOLOGY (AE) AS A PRACTICE



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13 PRINCIPLES OF AE

10 ELEMENTS OF AE



Input Reduction



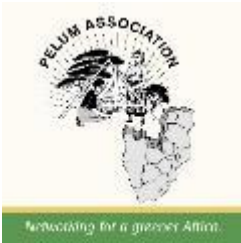
Integrated Pest Management



Participation, Co-Creation and Sharing on knowledge



Biological Synergies

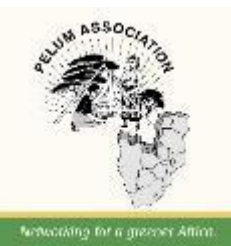


	28% of North American bumble bees are in decline. <small>(Conservation International)</small>	19% of butterflies in the US are at risk of extinction. <small>(The Nature Conservancy)</small>	
	Rusty patched bumble bee is endangered in the US.		The Karner blue butterfly is an endangered species that can be found locally.
27% of mason bee species are "at risk" <small>(The Nature Conservancy)</small>			50% of leafcutter bee species are "at risk" <small>(The Nature Conservancy)</small>

Recycling & Efficiency



Culture & Food traditions



Land & Natural Resource Governance

Responsible governance



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MINISTRY OF AGRICULTURE, LIVESTOCK, FISHERIES AND COOPERATIVES
AGRICULTURAL POLICY PLAN
"FOOD: OUR HEALTH, WEALTH AND SECURITY"

MINISTRY OF AGRICULTURE, LIVESTOCK, FISHERIES AND COOPERATIVES

Subsistence of family land due to high population densities leading to rapid decrease in land available for farming, excessive cultivation, soil nutrient depletion and some of the major causes of soil erosion and wood fuel and timber shortages in the country. These problems, together with declining tree cover resulting from conversion of forests to settlements, are causing increasing concern about declining food security, sustainable development of agriculture and challenges related to climate change mitigation and adaptation. To remedy this situation, the Ministry of Agriculture, Livestock and Fisheries encourages farmers to practice agroecology.

Agroecology is an approach to farming that "combines all food production that makes the best use of nature's goods and services while not harming these resources." It applies ecology to the design of farming systems; a whole systems approach to farming and food systems; and links ecology, culture, economics and society to create healthy environments, food production and communities.

It is important to advocate for a company establishment of farm forestry where every person who owns or occupies agricultural land shall establish and maintain a minimum of 10% of the land under farm forestry in any suitable configuration. This will help to promote the establishment and sustainable management of farm forestry to maintain a countrywide farm forest cover of at least 10% on any agricultural land holding. Carbon sequestration and related environmental benefits can: serve water, soil and biodiversity; provide raw materials, timber, non-timber and wetland areas; provide fruits and fodder and sustainable production of wood, charcoal and 100% wood products.

practice and enhance resilience to adverse climate change impacts.

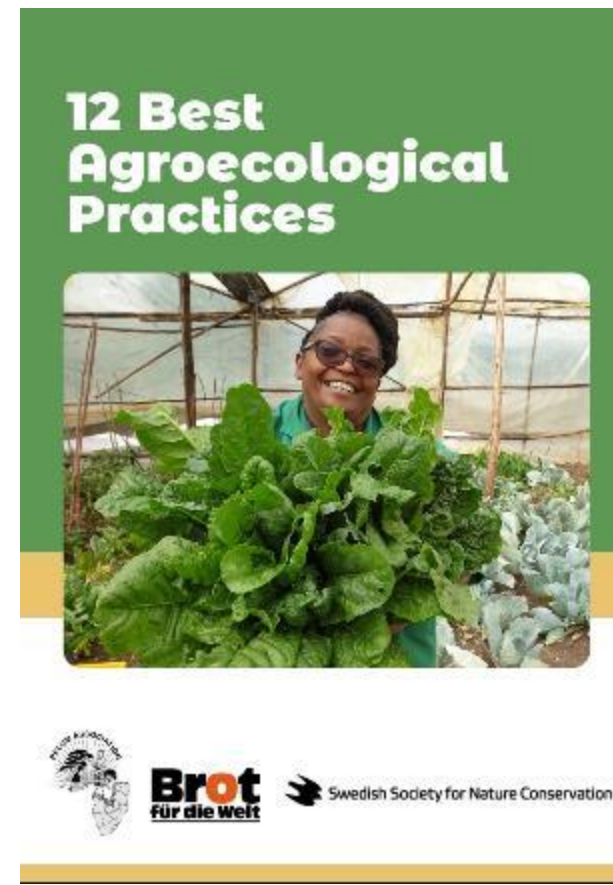
3.21.2 Policy statements

The national and County Governments will:

1. Promote public awareness and information sharing of good environmental practices for crops, livestock and fisheries.
2. Prioritize implementation of the National Climate Change Action Plans.
3. Promote adoption of climate change research findings relevant to crops, livestock and fisheries.
4. Promote Agro-ecology farming practices for crops, livestock and fisheries.
5. Provide early warning, response and rescue preparedness for adverse climate change effects in collaboration with other agencies.
6. Develop capacity of agricultural value chain players to respond to unfavorable climate change effects.
7. Promote climate change resilience fisheries, livestock and crop enterprises.
8. Promote green growth strategies (green economy) in crops, livestock and fisheries.
9. Promote climate financing and broaden mechanisms to attract investments in climate smart agricultural practices along the commodity product value chains.
10. Develop programs to rehabilitate degraded ecosystems including soils, wetlands and forests.
11. Develop programs for capacity building in soil and ecosystem conservation and restoration.



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Thank you

