Agroecology webinar 12th of December
Economic performance and climate change mitigation potential of agroecology: evidence and knowledge gaps

See video: https://youtu.be/59qZdZdrlCI?si=EvGfHn9eBG-svGUD

Overview

439 persons registered and 125 persons attended online

Presentation by Maria Luisa PARACCHINI with Caroline CALLENIUS, European Commission, Joint Research Centre, Directorate D - Sustainable Resources.

The session highlighted the importance of agroecology in EU Development Cooperation and presented findings from studies demonstrating positive socioeconomic outcomes associated with agroecological practices compared to conventional systems. Discussions identified significant knowledge gaps, particularly concerning social capital and resilience, and emphasized the need for long-term monitoring and context-focused research. The impact of agroecology on greenhouse gas emissions and carbon sequestration was explored, alongside a Q&A session that addressed biases in existing studies and the connections between agroecology, nutrition, and health. The webinar concluded with a summary of discussions and a call for ongoing collaboration and future research directions in the field. Action items included compiling identified knowledge gaps for further exploration.

Notes

Introduction to Agroecology Webinar

- Acknowledgment of the Global Forum on Agricultural Research and Innovation (GFair) and the European Commission's Joint Research Center (JRC).
- Overview of the importance of agroecology in EU Development Cooperation.

Presentation of Studies

- Dr. Maria Luisa Parakini presents findings from studies on socioeconomic performance and climate change adaptation in agroecology.
- Discussion on systematic literature review methodology used to analyze agroecological practices versus conventional systems.
- Key findings indicate positive socioeconomic outcomes associated with agroecological practices.

Knowledge Gaps and Future Research

- Identification of knowledge gaps in the research on agroecology, particularly in social capital and resilience indicators.
- Emphasis on the need for long-term monitoring and systemic approaches in future studies.
- Discussion on the importance of understanding the context of agroecological practices.

Climate Change Mitigation and Adaptation Studies

- Presentation of findings on climate change mitigation and adaptation related to agroecological practices.
- Discussion on the impact of agroecology on greenhouse gas emissions and carbon sequestration.
- Highlighting the need for more comprehensive studies on adaptation strategies.

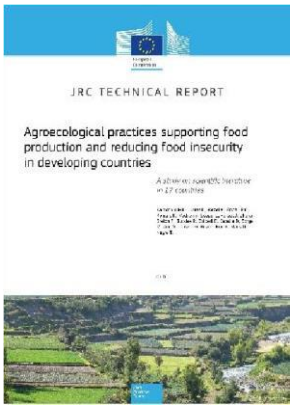
Q&A Session and Discussion

- Engagement with participants through a Q&A session addressing various questions on the studies presented.
- Discussion on biases in agroecological studies and the need for quantitative data for trade-off analysis.
- Exploration of the relationship between agroecology, nutrition, and health.

Conclusion and Future Directions

- Summary of the webinar and acknowledgment of participants' contributions.
- Discussion on the next steps for future webinars and research directions in agroecology.

Resources:



1. Paracchini, M., Justes, E., Wezel, A., Zingari, P.C., Kahane, R., Madsen, S., Scopel, E., Héraut, A., Bhérer-Breton, P., Buckley, R., Colbert, E., Kapalla, D., Sorge, M., Adu Asieduwaa, G., Bezner Kerr, R., Maes, O. and Negre, T., (2020) Agroecological practices supporting food production and reducing food insecurity in developing countries # 80 pp.
2. Paracchini, M., Wezel, A., Madsen, S., Stewart, B., Karuga, J., Attard, P., Rème, L., Bezner Kerr, R., Maes, O. and Zingari, P.C., Agroecological practices supporting food production and reducing food insecurity in developing countries - Volume 2 (2022) .
3. Sirdey, N., Scopel, E., Ferrier, G., Khann, L., Ermolli, M. and Paracchini, M.L., (2023) Mapping the contribution of agroecological transitions to the sustainability of food systems # 78 pp.
4. Mouratiadou, I., Wezel, A., Kamilia, K., Marchetti, A., Paracchini, M.L. and Barberi, P. (2024) The socio-economic performance of agroecology. A review AGRONOMY FOR SUSTAINABLE DEVELOPMENT, # 21 pp.