

<u>Reference list</u>

Eating up life on land

by Fergus Sinclair,

Chief Scientist CIFOR-ICRAF and Co-convenor of the Agroecology TPP

- Outhwaite, C.L., McCann, P. and Newbould, T. (2022). Agriculture and climate change are reshaping insect biodiversity worldwide. *Nature* 605: 97–102. <u>https://www.nature.com/articles/s41586-022-04644-x</u>
- Jongejans E, Siepel H, Hofland N, Schwan H, et al. (2017) More than 75 percent decline over 27 years in total flying insect biomass in protected areas. PLoSONE 12(10):e0185809. <u>https://doi.org/10.1371/journal.pone.0185809</u>
- Smith MR, Mueller ND, Springmann M, Sulser TB, Garibaldi LA, Gerber J, et al.2022. Pollinator deficits, food consumption, and consequences for human health: a modeling study. Environ Health Perspect 130(12): 127003, PMID: 36515549, 10.1289/EHP10947. <u>https://ehp.niehs.nih.gov/doi/10.1289/EHP10947</u>
- FAO (Food and Agriculture Organization of the United Nations), IFAD(International Fund for Agricultural Development), UNICEF (United NationsChildren's Fund), WFP (World Food Program), WHO (World Health Organization), 2022. The State of Food Security and Nutrition in the World 2022. Rome, Italy: FAO https://research.wri.org/gfr/latest-analysis-deforestation-trends accessed 23 June 2023.
- Pigot, A.L., Merow, C., Wilson, A. *et al.* Abrupt expansion of climate change risks for species globally. *Nat Ecol Evol* (2023). <u>https://doi.org/10.1038/s41559-023-02070-4</u>
- HLPE 2019. Agroecological and other innovative approaches for sustainable agriculture and food systems that enhance food security and nutrition. A report by the High Level Panel of Experts on Food Security and Nutrition of the Committee on World Food Security, Rome <u>http://www.fao.org/3/ca5602en/ca5602en.pdf</u>
- Wezel A, Gemmill Herren B, Bezner Kerr R, Barrios E, Gonçalves ALR and Sinclair F (2020). Agroecological principles and elements and their implications for transitioning to sustainable food systems. A review. Agronomy for Sustainable Development 40: 40 13pp. <u>https://doi.org/10.1007/s13593-020-00646-z</u>
- Sinclair, F., Wezel, A., Mbow, C., Chomba, C., Robiglio, V., and Harrison, R. (2019). The contribution of agroecological approaches to realizing climate-resilient agriculture. Background Paper. Global Commission on Adaptation. Rotterdam. <u>https://gca.org/reports/the-contributions-of-agroecological-approaches-to-realizing-climate-resilient-agriculture/</u>
- Bezner Kerr, R., Postigo, JC, Smith, P, Cowie, A, Singh, PK, Rivera-Ferre, M, Tirado-von der Pahlen, MC, Campbell D and Neufeldt, H (2023). Agroecology as a transformative approach to tackle climatic, food, and ecosystemic crises. *Current Opinion in Environmental Sustainability*. 62: 101275. <u>https://doi.org/10.1016/j.cosust.2023.101275</u>
- MacLaren, C et al., 2022. Long-term evidence for ecological intensification as a pathway to sustainable agriculture. *Nature Sustainability*. <u>https://www.nature.com/articles/s41893-022-00911-x</u>
- Zhao, J., Chen, J., Beillouin, D. et al. Global systematic review with meta-analysis reveals yield advantage of legumebased rotations and its drivers. Nature Communications 13, 4926 (2022). <u>https://doi.org/10.1038/s41467-022-32464-0</u>
- Rodenburg, J., Mollee, E., Coe, R. and Sinclair, F (2022). Global analysis of yield benefits and risks from integrating trees with rice and implications for agroforestry research in Africa. *Field Crops Research* 281: 108504. https://doi.org/10.1016/j.fcr.2022.108504
- Duddigan, S., Collins, C.D., Hussain, Z., Osbahr, H., Shaw, L.J., Sinclair, F., Sizmur, T., Thallam, V. and Winowiecki, L. (2022). Impact of zero budget natural farming on crop yields in Andhra Pradesh, SE India. Sustainability 14(3), 1689. <u>https://www.mdpi.com/2071-1050/14/3/1689/htm</u>
- Duddigan et al., 2023. Natural farming improves crop yield in SE India when compared to conventional or organic systems by enhancing soil quality. *Agronomy for Sustainable Development* 43:31 <u>https://doi.org/10.1007/s13593-023-00884-x</u>
- Jones, AD, Shrinivas, A. and Bezner-Kerr, R. 2014. Farm production diversity is associated with greater household dietary diversity in Malawi: Findings from nationally representative data. *Food Policy*, 46: 1-12. https://doi.org/10.1016/j.foodpol.2014.02.001
- Bezner Kerr et al., 2021. Can agroecology improve food security and nutrition? A review. *Global food security* 29: 100540 <u>https://www.sciencedirect.com/science/article/abs/pii/S221191242100050X</u>
- IPCC (2022). Climate Change 2022: Future Adaptation Options and their Feasibility SPM.C.2.2. Working group II contribution to the sixth assessment report of the Intergovernmental Panel on Climate Change. https://report.ipcc.ch/ar6wg2/pdf/IPCC AR6 WGII SummaryForPolicymakers.pdf