

Science Policy Updates for All

Transforming food systems to return to Earth's limits

29 April 2025 – 13:30 CEST | Virtual

The policy brief *Transforming Food Systems to Return to Earth's Limits*, recently published by the Scientific Advisory Committee (SAC) of the UN Food Systems Coordination Hub, was developed by the Working Group on Planetary Boundaries in Food Systems Transformation. The brief provides critical insights into the environmental limits within which food systems must operate, outlining key challenges and policy recommendations to ensure that food production and consumption remain within safe ecological thresholds.

Building on the publication, the webinar aims to disseminate the key findings and recommendations from the policy brief "*Transforming Food Systems to Return to Earth's Limits*" and foster a deeper discussion on how food systems can operate within planetary boundaries while ensuring food security, resilience, and equity. Discussions will highlight how current food systems are exceeding safe environmental limits, contributing to climate change, biodiversity loss, land degradation, and water stress, while also emphasizing the role of food systems transformation to protect people and the planet.

Bringing together experts, policymakers, and stakeholders, the event will facilitate dialogue on integrating food, climate, and environmental policies, advancing science-driven, systems-based approaches, and scaling agroecological and nature-positive solutions. Ultimately, the discussion will contribute to global policy processes, including the 2nd UN Food Systems Summit Stocktake 2025 (UNFSS+4), UN Conference of the Parties (i.e. COP30 on climate, COP17 on biodiversity, and COP17 on desertification), and national strategies, ensuring that food systems transformation supports both human well-being and ecological integrity.

Agenda

Time	Item
5 min	Opening Remarks: Stefanos Fotiou , Director of the UN Food Systems Coordination Hub <i>TBD</i>
30 min	Impact panel <ul style="list-style-type: none"> Dr Jean Francois Soussana, Vice President for International, National Research Institute for Agriculture, Food and Environment (INRAE), SAC Co-chair Dr Thomas W. Hertel, Distinguished Professor and Executive Director, Center for Global Trade Analysis, SAC Member Prof Olanike Adeyemo, Professor of Aquatic & Wildlife Disease Epidemiology & Toxicology (One Health) University of Ibadan, Nigeria, SAC Member Moderator – Dr Shakuntala Haraksingh Thilsted , Director, Nutrition, Health and Food Security Impact Area Platform, CGIAR, SAC Chair
15 min	Q&A
5 min	Final remarks <ul style="list-style-type: none"> Prof Akiko Suwa-Eisenmann, Senior Scientist, INRAE, France, Professor, Paris School of Economics, Chairperson of the High Level Panel of Experts on Food Security and Nutrition (HLPE-FSN)

Zoom link: <https://cutt.ly/SAC-W29AP>