Enhancing food system resilience

What roles can forests, trees and agroforestry play? What are the research perspectives?

▲ Forest foods are displayed in Zambia. Photo by Joe Nkadaani/CIFOR

Seminar and webinar

Tuesday, Feb. 12, 2019
4pm WIB/9am UTC

Amazon Room, CIFOR
Jl. Raya CIFOR, Bogor, Indonesia

Or register to **attend online:**
https://bit.ly/2S9VVwo

Organized by the CGIAR Research Program on Forests, Trees and Agroforestry (FTA) and the Environmental Change Institute – University of Oxford, this discussion – taking place online and in Bogor, Indonesia – will look at enhancing food system resilience in terms of the roles of forests, trees and agroforestry, as well as perspectives for research.

The event will begin with a keynote on enhancing food system resilience, before a discussion on the importance of forests, trees and agroforestry for food security and nutrition through a food systems approach, and a Q&A session in which participants will have the opportunity to pose questions to some of the speakers.

The seminar will take place at the Center for International Forestry Research (CIFOR) campus, Amazon Room. We also look forward to welcoming online viewers from around the world – **click here** to find out how to attend the webinar.

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Forests, Trees and Agroforestry
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Agenda

- **Opening**

  Vincent Gitz
  Director, CGIAR Research Program on Forests, Trees and Agroforestry (FTA)

- **Keynote on enhancing food system resilience**

  John Ingram
  Food Systems Programme Leader, Environmental Change Institute (ECI) – University of Oxford

  Abstract

  One of the great human achievements over the last half century is that advances in food production have largely kept pace with demand on a global basis. Today, around 6 billion people are not hungry, up from about 2 billion 50 years ago. But we should not be complacent. Despite these successes, nearly 1 billion people are still hungry, and at least 3 billion more lack sufficient nutrients. Paradoxically, there are also already more than 2.5 billion people overweight or obese; different, overlapping forms of malnutrition are the 'new normal'. We also know that current food system activities will continue to significantly impact natural resources, and that environmental and socioeconomic shocks and stresses are increasing. How then can food system resilience be enhanced to (i) ensure sufficient, nutritious food for a growing, increasingly wealthy population while (ii) mitigating poor health and environmental outcomes, and (iii) also enhancing vibrant enterprise and livelihoods? Based on a brief introduction to food system challenges, the presentation will consider plausible future food demand and the consequences for health, society and environment. It will then consider the nature of shocks and stresses, concluding with considerations relating to enhancing food system resilience.

- **Presentations on the importance of forests, trees and agroforestry for food security and nutrition through a food systems approach**

  Key findings from the High Level Panel of Experts (HLPE) report on Sustainable Forestry for Food Security and Nutrition

  Terry Sunderland
  Professor of tropical forestry at the University of British Columbia; senior associate at CIFOR; HLPE project team leader

  Filling harvest and nutrient 'gaps' through site specific food tree and crop portfolios

  Stepha McMullin
  Team leader of nutrition, World Agroforestry (ICRAF)
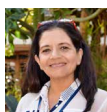
  Linking landscapes and diet

  Amy Ickowitz
  Team leader of sustainable landscapes and food, CIFOR

- **Q&A session moderated by Vincent Gitz**

- **Closing**

  Ramni Jamnadass
  Leader of FTA's Flagship 1 on tree genetic resources; leader of FTA's operational priority on enhanced nutrition and food security

About the speakers

John Ingram

John's interests are in the conceptual framing of food systems; the interactions among the many actors involved and their varied activities, and the outcomes of their activities for food security, livelihoods and environment; and food system resilience. John has designed and led regional food system research projects in Europe, south Asia, southern Africa and the Caribbean and has conceived, developed and led a range of major international research initiatives. He has had substantial interaction with the Food and Agriculture Organization of the United Nations (FAO), UN Environment Program (UNEP), CGIAR and many other international organizations, with national departments and agencies, with NGOs, and with businesses in the food sector. In these interactions he has helped to establish research on the links between food security and environment through the analysis of food systems. In addition to leading the food system research group within ECI, he also leads the multi-university post-graduate food systems training programme (IFSTAL) and coordinates the £14.5m UK Global Food Security program Resilience of the UK Food System. He is an Associate Professor and Senior Research Fellow at Somerville College Oxford.

Terry Sunderland

Terry Sunderland has over 25 years of tropical forestry experience, and mobilizes a history of partnership building in other contexts to serve in a leadership capacity for this project. His early academic career showed a gradual transition from a focus on botany towards the social sciences, with demonstration of academic excellence along the way. His academic path, combined with his subsequent research, has positioned him as an expert in both the biology and the human dimensions of tropical forests. In 2006 he moved to CIFOR and originally led its research theme on landscape management for environmental services, biodiversity conservation and livelihoods. In the last five years of his tenure at CIFOR he led the development of a program of work on forests and food security that evolved into the research theme Sustainable Landscapes and Food Systems. In January 2018, he was appointed as a Professor in the Department of Forest and Conservation Sciences in the Faculty of Forestry at the University of British Columbia to coordinate a program on tropical forestry.

Stepha McMullin

Stepha McMullin is a social scientist with ICRAF based in Nairobi, Kenya, where she leads research on the contribution of agroforestry for delivering more nutritious foods and addressing food seasonality for healthier and more sustainable diets. With her team, she implements participatory research (quantitative and qualitative) to inform data gaps on food production and consumption, quality of diets and dietary gaps, and food choices, to identify suitable agroecological recommendations for optimizing local food systems. Stepha has 12 years' experience undertaking research predominantly in East and Southern Africa with travel to other regions for expert meetings, stakeholder workshops and conferences. Stepha holds a PhD in Rural Development and MSc in International Development from University College Dublin, Ireland.

Amy Ickowitz

Amy is a senior scientist at CIFOR where she leads the Sustainable Landscapes and Food Systems team. She has a PhD in development and natural resource economics from the University of California, Riverside, but most of her recent research is multidisciplinary. Her current research focuses on the impacts of landscape change on food security and nutrition.

Ramni Jamnadass

Ramni H. Jamnadass is coleader of Tree Diversity, Domestication and Delivery at ICRAF. She spent 10 years teaching at the University of Nairobi and Kenyatta University before joining ICRAF. She leads Science Domain 3 (SD3), one of ICRAF's six global research programs. The African Orphan Crops Consortium, a public private partnership with a mission to develop and promote use of nutritious tree-foods and annual crops has its genomics lab hosted within the SD3 program.

Vincent Gitz

Vincent Gitz has been director of FTA since 2016. An engineering graduate of École Polytechnique in France, he also holds a PhD from AgroParisTech on land use and global climate policies that was awarded the *Le Monde* Prize for academic research. He has a background in earth sciences and natural resource and development economics. Vincent previously worked in research for the International Research Center on Environment and Development (CIRED) and the Agricultural Research Center for International Development (CIRAD) in policy-making, and at the interface between the two. He served as adviser for sustainable development and research to the French minister of agriculture and fisheries, Michel Barnier, from 2007 to 2009, and as assistant director for food policy at the French Ministry of Agriculture, Agrifood and Forests in 2016. From 2010 to 2015, he was coordinator of the HLPE, the science-policy interface of the United Nations' Committee on World Food Security (CFS).