

FINAL EVENT

09.12.21

13h00-16h00 CET

FTA HIGHLIGHTS OF A DECADE

2011-2021



RESEARCH
PROGRAM ON
Forests, Trees and
Agroforestry

10 YEARS OF FTA RESEARCH
FOR PEOPLE AND THE PLANET

The Contributions of forests, trees, and agroforestry to Food Security and Nutrition

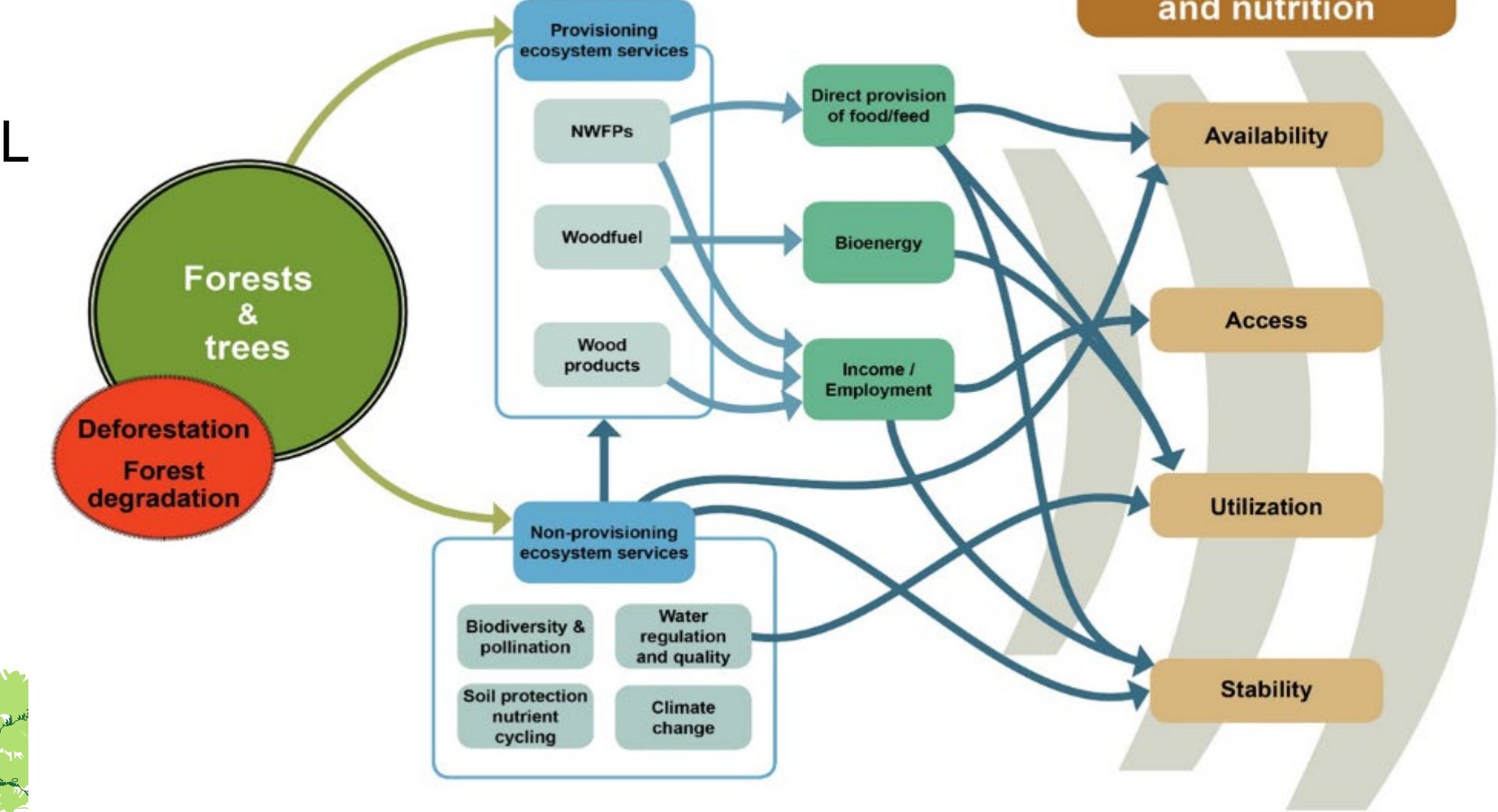
Presentation & Lead Authors: Stepha McMullin & Amy Ickowitz

Contributing authors: Ian K Dawson, Terry Sunderland, Bronwen Powell, Mulia Nurhasan, Barbara Vinceti, Ramni Jamnadass, Alexandre Meybeck and Vincent Gitz



How are forests and trees related to FSN?

Figure from HLPE report on Sustainable Forestry for Food Security and Nutrition 2017



FTA's Scientific Research on FSN: main topics & some key publications



Agroforestry for FSN

- Agroforestry for Food and Nutritional Security
- Understanding the Roles of Forests and Tree-based Systems in Food Provision



Agrobiodiversity

- Developing Fruit Tree Portfolios that Link Agriculture More Effectively with Nutrition & Health
- Fruits and Vegetables for Healthy Diets: Priority Areas for Research and Action
- Dietary Diversity of Rural Indonesian Households Declines Over Time with Agricultural Production Diversity Even as Income Rise
- SDG2: Zero Hunger: Challenging the Hegemony of Monoculture Agriculture for Forests and People



Ecosystem Services of Forest for Food Production

- Trees for Life: The Ecosystem Service Contribution of Trees to Food Production & Livelihoods in the Tropics
- Indirect Contributions of Forests to Dietary Diversity in southern Ethiopia



Forest & Diets

- Dietary Quality and Tree Cover in Africa
- Forest Foods and Healthy Diets: Quantifying the Contributions
- Collection and Consumption of Wild Fruit in Zambia
- Forests, Trees, and Micronutrient-rich Food Consumption in Indonesia



Sources of Pics: A.Karanja, S.McMullin, K.Kehlenbeck

FTA's Scientific Research on FSN: main topics

Landscapes & Diets

- Impacts of Tropical Landscape Change on Human Diet & Local Food Systems
- Agricultural Intensification, Dietary Diversity & Markets in the Global Food Security Narrative
- From Growing Food to Growing Cash: Understanding the Drivers of Food Choice in the Context of Rapid Agrarian Change in Indonesia
- Conceptual Links between Landscape Diversity and Diet Diversity: A roadmap for Transdisciplinary Research



Forest & Fish

- The Relationship between Forests and Freshwater Fish Consumption in Rural Nigeria
- The Influence of Forests on Freshwater Fish in the Tropics: A Systematic Review



Orphan Crops

- Determining Appropriate Interventions to Mainstream Nutritious Orphan Crops into African Food Systems
- Enhancing Orphan Crops with Genomics

Vitamin A_RAE	Vitamin A (mcg)	Retinol (mcg)	Beta-caroten	alpha-caroten
VITA_RA E	VITA	RETOL	CARTB EQ	CARTA
vitamin A express	vitamin A express	retinol	beta-carotene	alpha-carotene

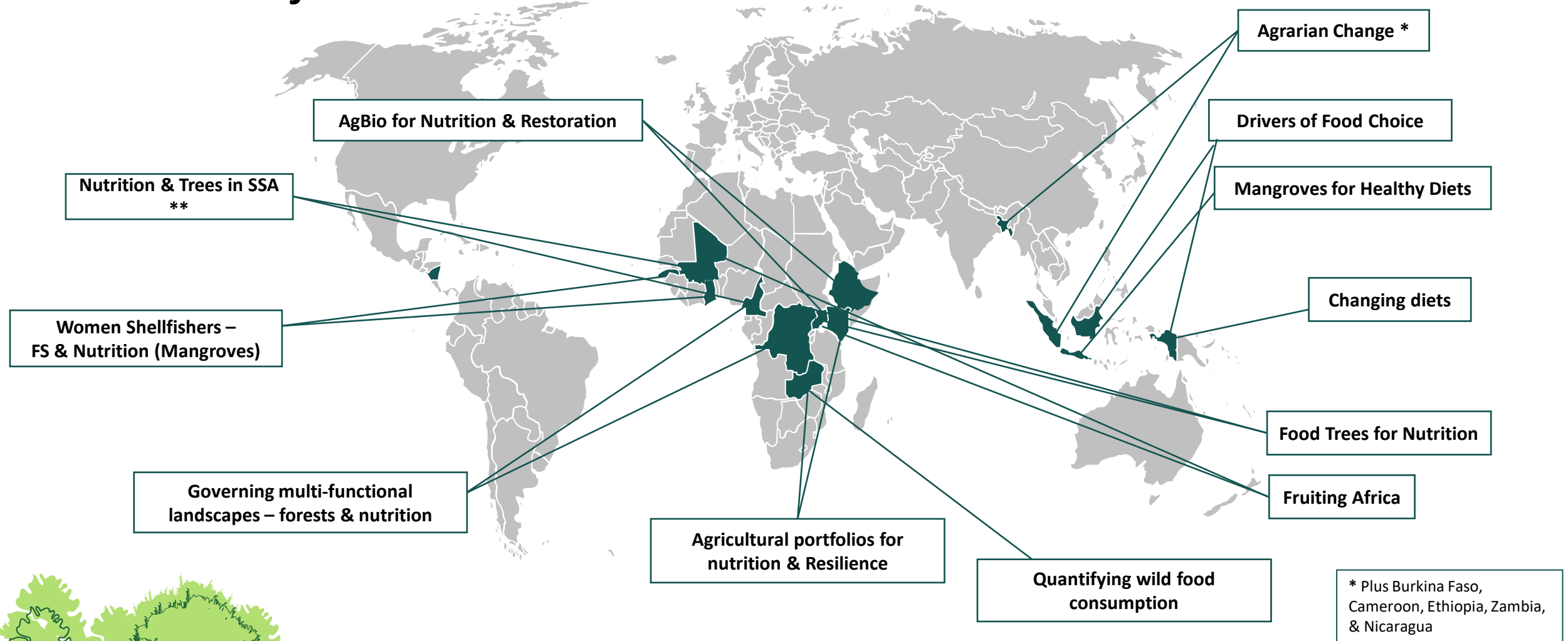
Food Composition

- Priority Food Tree and Crop Food Composition Database
- Nutrient Composition of Selected Indigenous Fruits from Sub-saharan Africa
- Nutrient Composition of *Parkia biglobosa* Pulp, Raw, and, Fermented Seeds: A Systematic Review

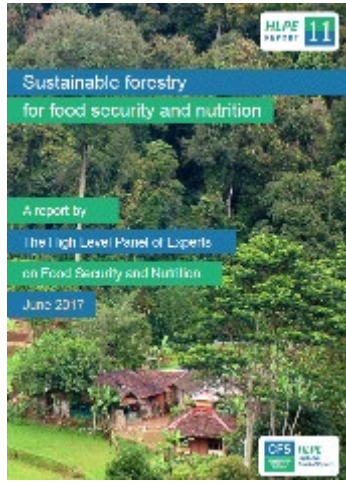


Sources of Pics: A.Karanja, S.McMullin, K.Kehlenbeck

FTA FSN Projects



Policy & Processes



CFS Voluntary Guidelines on Food Systems for Nutrition



**Global Core
Set of
Indicators**



**National Dialogues Indonesia & Sweden
Scientific Briefs – Fruits & Vegetables
Solution Cluster – AT 3 Manage – Agbio
Pre-summit side event – Tomorrows' food systems need
forests and trees**



Conclusions/Key messages

- **Over the last decade, FTA has brought evidence & attention to the importance of fta for FSN;**
- **FTA has contributed to a change in perspective & the idea has become more widely recognized;**
- **Still a lot more needs to be done;**
 - change needs to be accelerated
 - fta can be instrumental in improving FSN, while also addressing many current challenges – climate crisis, biodiversity loss, and land degradation.
- **Potential for multiple wins!**

