

IDENTIFYING OPPORTUNITIES ACROSS FOOD & AGRICULTURE SYSTEMS CLIMATE CRISIS AND THE FUTURE OF FOOD

JOSÉ GRAZIANO DA SILVA

Former FAO Director-General and Special Ambassador to the Global Panel on Agriculture, Food Security and Nutrition (Glo_pan)

Vision of a future food system: "We need an urgent transformation of food systems that provide healthy and nutritious food for all, while preserving natural resources and biodiversity."

Three priority opportunities for food and agriculture systems to address climate change:

1. Integrate actions to combat undernutrition and obesity with actions to reduce the impact of food production on climate change through the implementation of climate risk monitoring systems and climate-smart agricultural practices.
2. Discourage the consumption of ultra-processed foods by creating local, affordable production-consumption circuits and influencing consumer behavior.
3. Increase the availability of fresh produce and reduce food loss and waste by strengthening the link between good nutrition and local, family farm produce.

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LEONIDA ATIENO ODONGO

Programme Officer, Adilisha, Fahamu Africa

Vision of a future food system: "A world where everybody embraces agroecology and food sovereignty and gives nature the due respect it deserves."

Three priority opportunities for food and agriculture systems to address climate change:

4. Include grassroots voices in policy advocacy and consultation at national and international levels, such as national policymaker discussions on agroecology/regenerative agriculture and the FAO's guidelines on food systems and nutrition.
5. Shift the dominant narrative underpinning the current food system by supporting a solidarity movement of influencers, policymakers and farmers and fostering a direct connection between consumers and producers.
6. Demonstrate and communicate the effectiveness and potential of agroecology in a way that is accessible and trusted by small-holder farmers and youth by leveraging existing practice and indigenous knowledge with science.

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VICTOR FRIEDBERG

Co-Founder, S2G Ventures, and Chairman, Foodshot Global

***Vision of a future food system:** “Agriculture is celebrated for its flavor, nutrition and functional benefits. Groundbreaking advances in science and technology will transform the system from an extractive one to regenerative one capable of delivering accessible, affordable and abundant food that allows all people to thrive and reach the fullness of their human potential.”*

Three priority opportunities for food and agriculture systems to address climate change:

- 7.** Elevate identity rather than commodity to organize our food system, based on farming practices, soil and nutritional content by investing in blockchain and infrastructure.
- 8.** Establish nutrition rather than calories as the primary measure of food system output by investing in personalized nutrition.
- 9.** Invest in and promote alternative proteins while making traditional proteins (meat, fish, poultry) more resilient and regenerative.

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VIJAY KUMAR THALLAM

Advisor, Agriculture & Cooperation, Government of Andhra Pradesh, India

***Vision of a future food system:** “Climate change resilient farming in harmony with nature as the mainstream agriculture technology adopted by all farmers. Production of adequate food for all. Food which is safe and nutritious. Collectives of women farmers driving this transformation process, in collaboration with Governments and other stakeholders.”*

Three priority opportunities for food and agriculture systems to address climate change:

- 10.** Recognise and advance Zero-Budget Natural Farming (ZBNF) as an innovative agricultural technology as well as a holistic land management practice to address climate change.
- 11.** Shift from the current model of top-down agricultural extension services to a farmer-centric approach based on peer-to-peer engagement.
- 12.** Improve gender equality among land management and farming practices by empowering women collectives to lead the transformation process.

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ERIN MCDONALD

Chief Strategy and Innovation Officer, NYC Mayor's Office

***Vision of a future food system:** We have the responsibility as a public system to maximize our resources by unifying them to catalyze greater change and truly become a circular economy that focuses on people at the center to build solutions that address the underlying root causes of food inequity."*

Three priority opportunities for food and agriculture systems to address climate change:

- 13.** Develop a network of communities where everyone has a voice and can reach their full potential through greater food equity – access to healthy and affordable food regardless of their location, income, age, gender identity, race and ethnicity.
- 14.** Leverage public resources to consider the regional food system and connect public strategies that move from production through disposal in amore interconnected manner.
- 15.** Integrate more effective technology and innovation to tackle underlying food related challenges and deliver solutions more immediately, while increasing "delight" and responsible food consumption among vulnerable populations.

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WILLIAM DIETZ

Chair, Redstone Global Center for Prevention and Wellness, Milken Institute School of Public Health, The George Washington University

***Vision of a future food system:** “A broad coalition of citizens, academics, NGOs and funders is transforming food systems for sustainability, health, equity and prosperity through advocacy, global networking, communications, research, and independent monitoring for accountability.”*

Three priority opportunities for food and agriculture systems to address climate change:

- 16.** Identify healthy, sustainable diets within national environmental boundaries, and translate these into sustainable, context-appropriate dietary guidelines.
- 17.** Establish independent monitoring systems for accountability at municipal and national levels by developing a framework of indicators for policy action and support stakeholder capacity building.
- 18.** Integrate and mobilize existing networks to advocate for mutually agreed policy targets and support links to international agencies.



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YICHING SONG

Program Leader, Senior Researcher, Centre for Chinese Agricultural Policy, Chinese Academy of Science

Vision of a future food system: "A healthy and resilient food system which is inclusive, equal, diversified and adaptative to socio-economic and climate change."

Three priority opportunities for food and agriculture systems to address climate change:

- 19.** Establish participatory tools and platforms like CSAs and farmer field schools to link agroecological science with traditional farming knowledge.
- 20.** Ensure diversified and resilient seed systems to enhance biodiversity and climate resilience.
- 21.** Foster dialogues and collaborations to facilitate urban-rural interaction, cross-sector and cross-border partnerships through IT and other tools.

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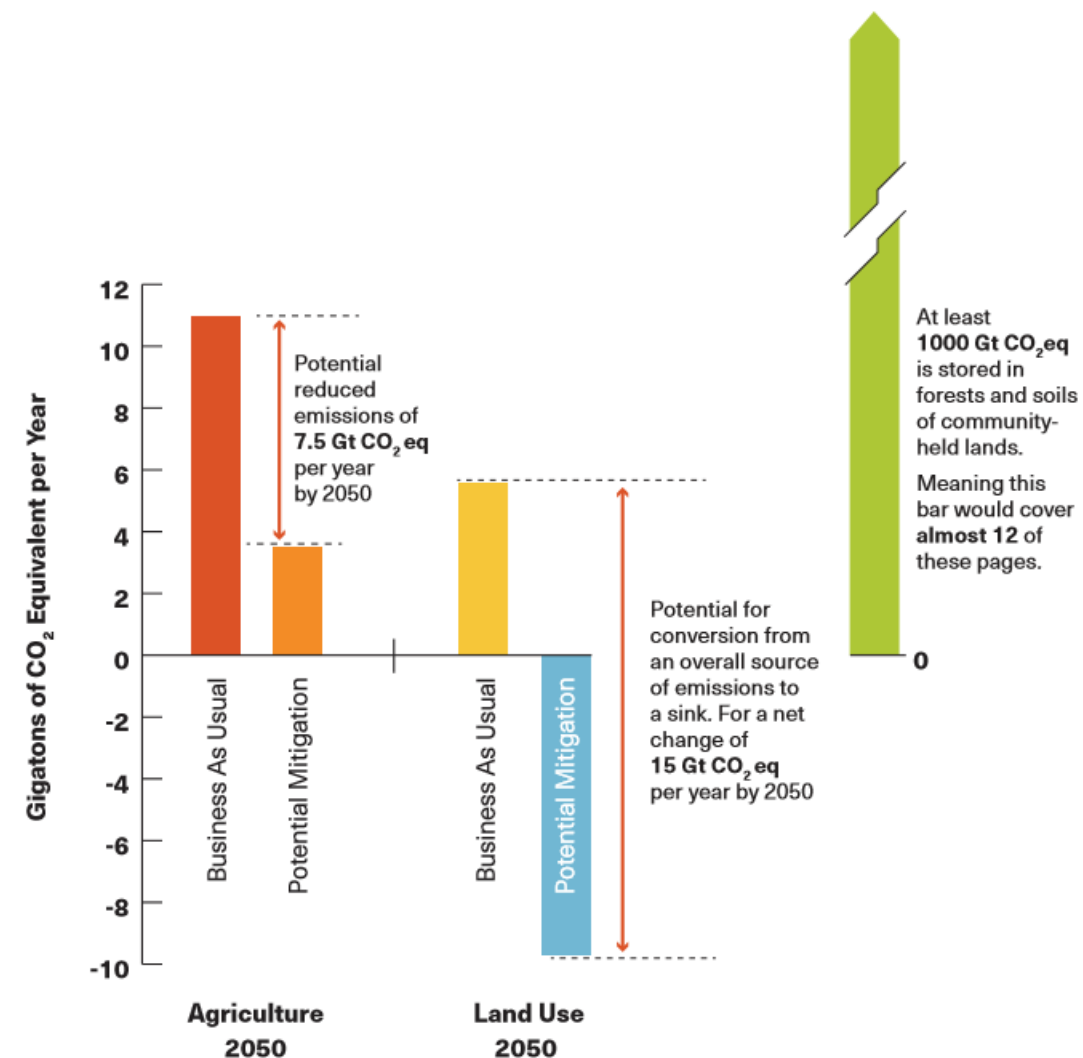
PETER RIGGS

Director, Pivot Point

Vision of a future food system: "Agroecological."

Three priority opportunities for food and agriculture systems to address climate change:

22. End the destruction at forest frontiers by recognizing land rights.
23. Halve meat consumption in Europe by supporting behavior change and ensuring access to affordable, healthy and sustainable alternatives.
24. Curb speculation of commodity markets to prevent weaponization of food futures.



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SHEFALI SHARMA

Director, European Office, Institute for Agriculture and Trade Policy

***Vision of a future food system:** “A system that functions within planetary boundaries and helps rebuild and revive rural communities South and North. It ensures economic, social and environmental justice for food producers, workers and consumers.”*

Three priority opportunities for food and agriculture systems to address climate change:

- 25.** Redirect public finance and incentives away from Big (extractive) Agriculture.
- 26.** Internalize the environmental and public health costs (i.e., climate, land, water and air pollution) caused by agribusiness through regulation while ensuring that the costs are not offset onto workers and producers.
- 27.** Implement a just transition towards agroecology through government policies, incentives and public finance.

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ERIC SOUBEIRAN

VP, Nature & Water Cycle/CEO Ecosystem Fund, Danone, S.A.

***Vision of a future food system:** “Sustainable food systems will provide healthy and nutritious food to a continuously growing population while respecting environmental limits and actively addressing many challenges such as malnutrition and climate change.”*

Three priority opportunities for food and agriculture systems to address climate change:

- 28.** Scale up regenerative agriculture models that strengthen carbon sequestration in soil, reduce water use and preserve biodiversity.
- 29.** Halt deforestation to keep carbon stored in the ecosystem.
- 30.** Support the transition in farming systems through new financial solutions.