



GREEN
CLIMATE
FUND

GCF REGIONAL DIALOGUE

with AFRICA

Windhoek, Republic of Namibia
6–10 November 2023

#InspireMoreClimateAction



GREEN
CLIMATE
FUND

GCF REGIONAL DIALOGUE
with AFRICA

Food Systems Transformation in Africa

Gabriel Boc – Senior Agriculture and Food Security Specialist

Windhoek, Republic of Namibia
6–10 November 2023

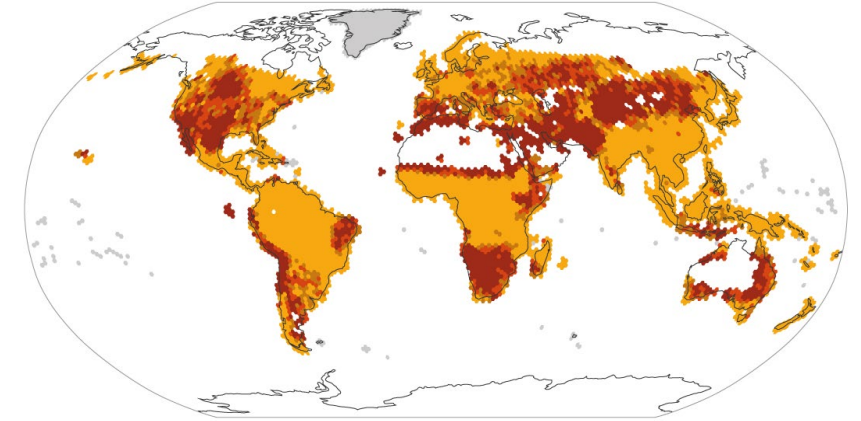
#InspireMoreClimateAction

The Challenge

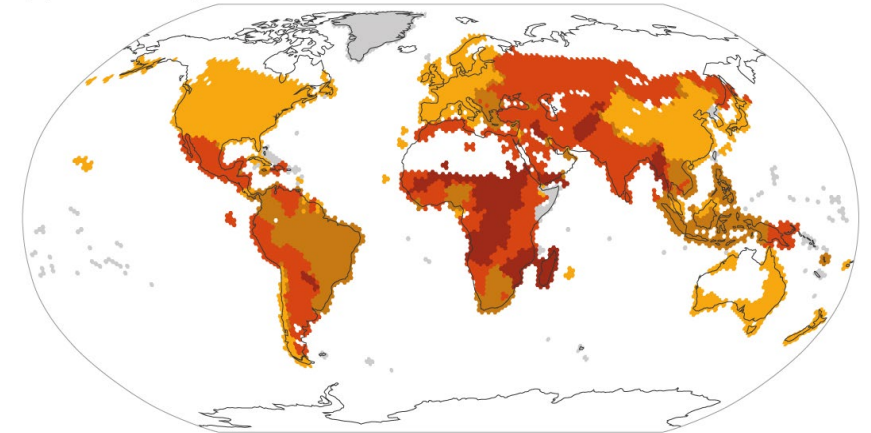
- Agriculture: central to food security and rural development, and supports livelihoods for 70% of Africa's population
- Agriculture and food security sector: facing the challenges of increasing demand for quality food while reducing the sector's environmental footprint
- Growing population – increasing demand for land and food – change of diets – demand for agricultural products will require at least 60% increase by 2050
- Key food producing areas - unsuitable for future food production, food insecurity to increase significantly
- Occurrence of pests, weeds and diseases altered and costlier to control
- 282 million Africans go to bed hungry every night (FAO 2023)
- **How can we continue to feed a growing population when the sector faces these challenges?**



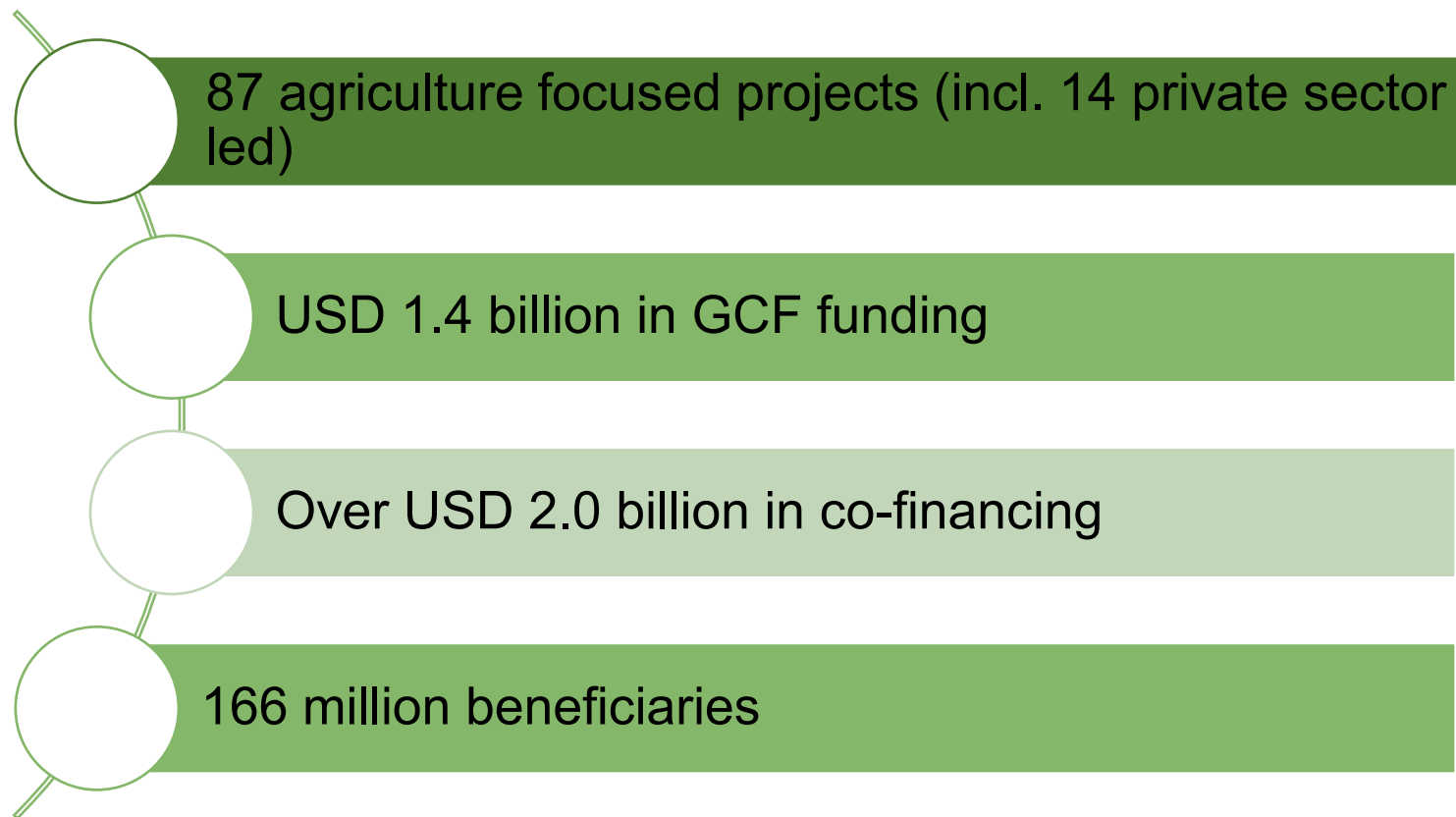
(a) Hazard & exposure indicator score



(b) Vulnerability index



GCF Agriculture Portfolio



Agriculture investments are also included in other sector's investments such:

- **Water security**
- **Ecosystems**
- **Forestry and land use**
- **Energy**
- **Health**

Programming Ambitions for GCF-2



Food Systems target (#4)

Support for developing countries that results in
190 to 280 million beneficiaries adopting low-emission climate-resilient
agricultural and fisheries practices,
securing livelihoods while reconfiguring food systems

Improved Direct
Access (#2)

Integration with
CIEWS (#3)

Synergies with
ecosystems (#4)

Building on access
to water and clean
energy and on
infrastructure (#6-#7)

GCF Agriculture and Food Security Programming



Three Paradigm-shifting Pathways

1

Promoting
Resilient Agroecology

2

Facilitating Climate
Informed Advisory and Risk
Management Services

3

Reconfiguring
Food Systems

**Emerging
Programming
Priorities for GCF-2
(2024-2027)**

Low carbon resilient
livestock & methane
reduction

Methane reduction in
rice farming systems

Reducing food loss
and waste

Transitioning to
sustainable and
balanced diets

Pathway 1: Promoting resilient agroecology



- Resilient agroecology supports adaptation and mitigation efforts while seeking to promote the agroecological conditions that reduce climate shocks on agricultural productivity
- **Improved seeds, crop varieties, and breeds** (e.g. drought-tolerant maize, etc.)
- **Diversifying crops, aquaculture and livestock** (e.g. crop rotation, intercropping, etc.)
- **Sustainable practices and technologies** (e.g. landscape approaches, water and soil management, IPM, agroforestry, solar irrigation, micro-pumps, minimum tillage, residue management, etc.)

Pathway 2: Facilitating Climate Informed Advisory and Risk Management Services

- **Climate information and early warning systems** in support of agriculture
- **Digital agricultural advisory and extension: Overcoming existing gaps + effective delivery mechanisms** that facilitate personal relationships and multi-way communication at low or no cost
- **Financial literacy training, access to finance** (e.g. mobile money) helps ensure financial services reach women, youth, and most vulnerable
- **Index Insurance** increase resilience by linking insurance payouts to predetermined index e.g., rainfall, temperature, yield



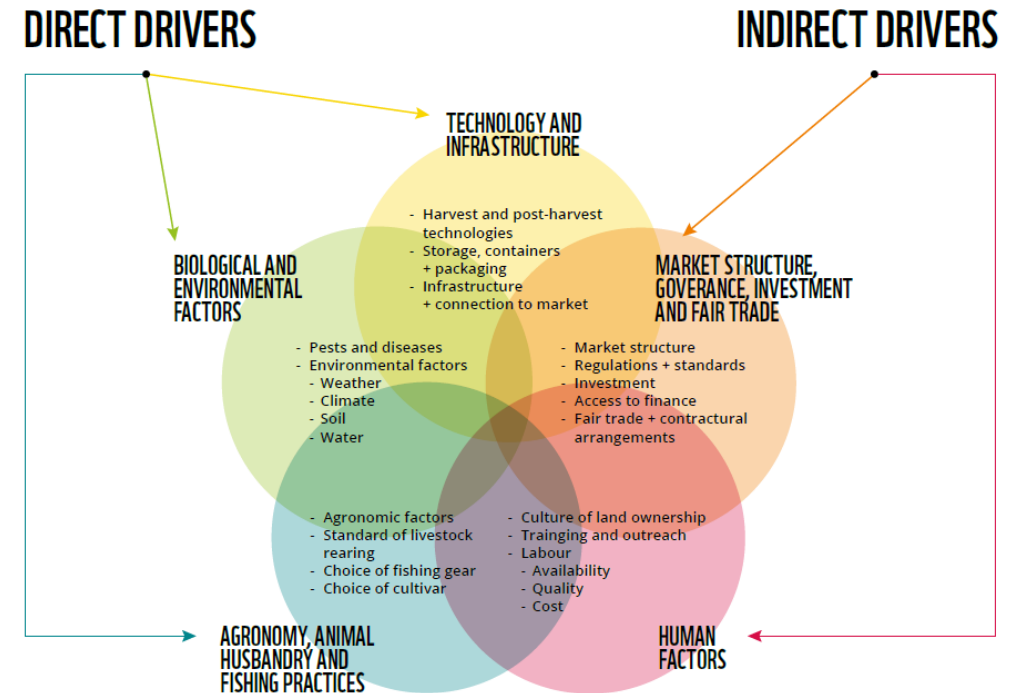
Pathway 3: Reconfiguring Food Systems

Changing how food is produced, stored, transported, sold and consumed

- reshaping supply chains, food processing, storage, marketing, and procurement;
- reducing food loss and waste;
- shifting consumers to demand safer, healthier and more environmentally sustainable diets;

Must be environmentally sustainable, deforestation-free, inclusive, and enhancing rural employment opportunities

Low-emissions goals for food systems include reducing food loss and waste, improving energy efficiency, finding alternative energy sources



Emerging Programming Priorities for GCF-2 (2024-2027)



Africa's livestock accounts for one-third of the global livestock population

Low carbon resilient livestock & methane reduction

Methane reduction in adapted rice farming systems

Africa's expanding rice production offers opportunities

Reducing food loss and waste

Transitioning to sustainable and balanced diets

15% of Africa's food is currently lost

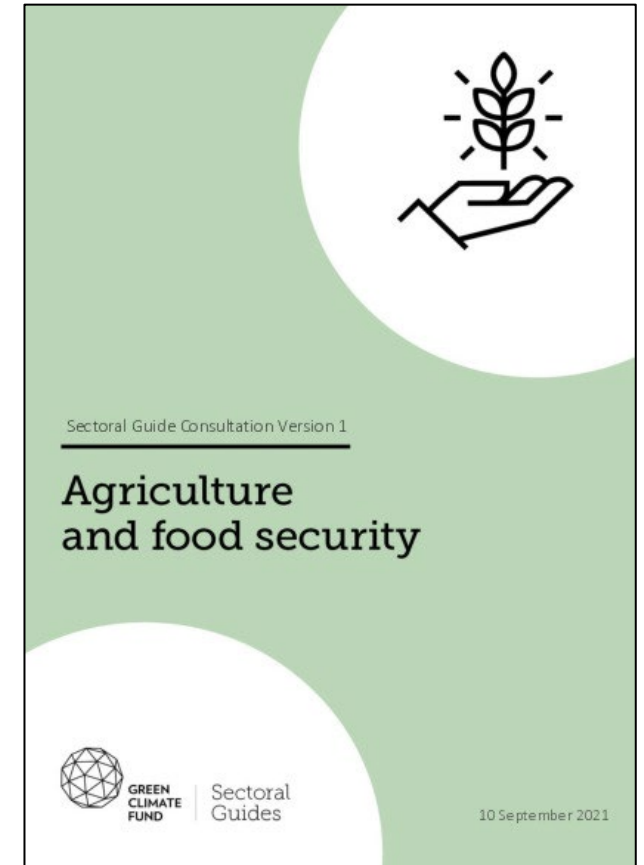
Growing demand can be met while ensuring sustainable, climate resilient production

What other topics/areas might be missing?

The Way Forward

- Engage with the GCF Secretariat and partners at this week's Dialogue to grow early-stage ideas into concept notes
- Design nexus/multi-sectoral interventions, such as agriculture-energy-water
- Use the full suite of GCF guidance documents and tools
- Embrace private sector led initiatives to complement the public sector resources
- Leverage new or expanded windows of pre-investment support (PPF, TA)
- Take advantage of new access modalities (PSAA)

+ We look forward to your ideas!



[Agriculture and food security Sectoral guide](#)

This week's agriculture and food systems agenda

Join us for:

Session 3.3 – Peer-to-Peer Learning: Interactive Session on Food Systems Transition
(Day 3 Wednesday – 11.00 – 12.00)

Session 3.4.3 – Accelerating Investments in Regenerative Agriculture in Africa
(Day 3 Wednesday – 13.00 – 14.30) – *by invitation only*

Session 3.5.2 – Writeshop: Food systems – Turning ideas into investments
(Day 3 Wednesday – 14.30 – 16.00)

Or request a bilateral meeting with the GCF Secretariat



Thank you

#InspireMoreClimateAction