



ClimBeR: Building Systemic  
Resilience Against Climate  
Variability and Extremes

# CGIAR Initiative on Climate Resilience (ClimBeR)

CGIAR week of science and practice of scaling agri food system innovation

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# ClimBeR at a Glance



ClimBeR: Building Systemic Resilience Against Climate Variability and Extremes

**ClimBeR aims to transform the climate adaptation capacity of food, land, and water systems in six countries.**

## Three-Year Outcomes

1

Bundled climate services reach 300,000 farmers, at least 30 percent of whom are women

2

Shape at least nine policies or investments  
At least three aimed at climate security risk

3

US\$30 million for disadvantaged groups:  
Women, youth and vulnerable smallholder farmers

## CLIMBER AT A GLANCE

**PRIMARY CGIAR IMPACT AREA:** Climate Adaptation and Mitigation

**FOCUS COUNTRIES:** Kenya, Morocco, Senegal, Zambia, Guatemala, Philippines

**PARTNERS:** 130

**WORKS TOWARD SUSTAINABLE DEVELOPMENT GOALS:**



**ADDRESSES UN FOOD SYSTEMS SUMMIT ACTION TRACKS:** Nutritious Food, Nature-Positive Production, Resilience

# Why ClimBeR



ClimBeR: Building Systemic Resilience Against Climate Variability and Extremes

## The Challenge:

- **Climate change is already happening**
  - **Record temperatures 5 times more likely**
  - **Record droughts in SSA increased**

ClimBeR's Theory of Change is all about **transformative adaptation**  
This requires **interdisciplinary** and **transdisciplinary** approaches

## The Opportunity:

- **A trans-disciplinary, multi-system approach for a trans-disciplinary, multi-system challenge**
- **Climate response needs to shift from incremental to transformative**
- **Limited farmer empowerment and adaptive capacity**
- **We need CGIAR innovations to scale at a much more rapid pace**

# ClimBeR Research Areas



ClimBeR: Building Systemic Resilience Against Climate Variability and Extremes

## De-RISK

Reducing risk for producers' livelihoods and in value chains

## Policy Pathways

Ensuring policymakers have the evidence necessary to develop urgently-needed, holistic, and context-specific policies

Gender &  
Social Equity

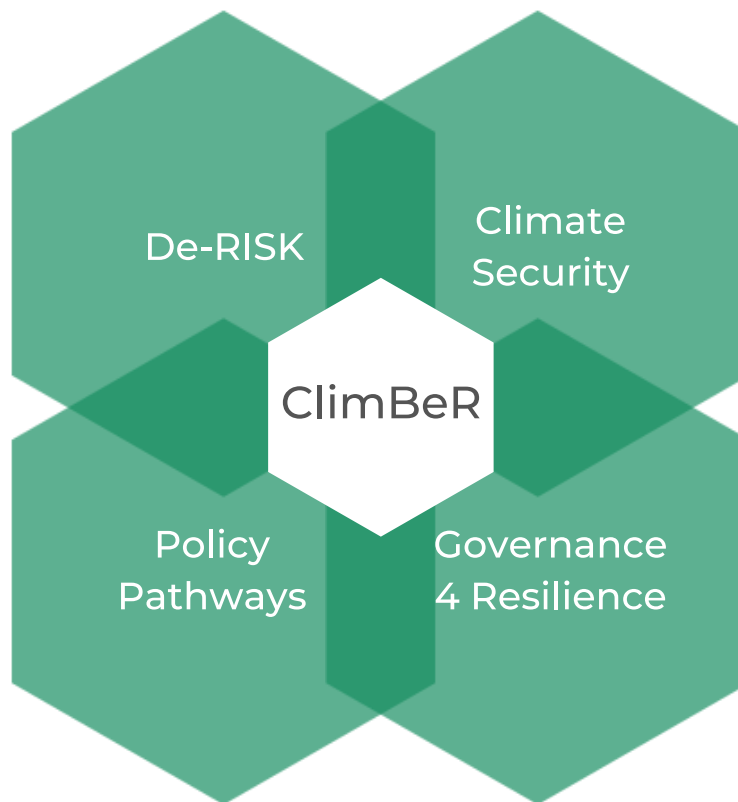
## Climate Security

Understanding climate security risks and identifying paths to climate-resilient peace

## Governance 4 Resilience

Building capacity for policies that bring together local needs and available tools to enable governance for resilience, working across levels

Climate  
Finance



# De-RISK

*Reducing risk in producers' livelihoods and in value chains*



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Climate Finance

Social Equity

1. **Agricultural risk management for climate adaptation** in **Kenya and Zambia**
2. **Digital agro-climate services** in **Guatemala, Kenya and Senegal.**
3. **Climate risk profiling system** in **Senegal, Morocco, and the Philippines.**
4. **Diverse farming systems and reduced nutritional impacts of climatic risks** in **Senegal, Kenya, Zambia, and Morocco.**

Kenya

Senegal

Zambia

Morocco

Philippines

Guatemala

# Climate Security



ClimBeR: Building Systemic Resilience Against Climate Variability and Extremes

*Building production-system resilience through recognizing the relationships among climate, agriculture, security, and peace*

- 1. Evidence 4 Climate Security**
- 2. Programming 4 Climate Security**
- 3. Policy 4 Climate Security**
- 4. Finance 4 Climate Security**

**2022:** Kenya and Senegal

**2023:** Zambia, Guatemala and the Philippines

Kenya

Senegal

Zambia

Morocco

Philippines

Guatemala

Climate Finance

Social Equity

# Policy Pathways

*Developing adaptation instruments to inform policy and investments*



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- 1. Top-down approach using participatory scenario workshops in Zambia**
- 2. Bottom-up collective imagination of futures in Guatemala**
- 3. Transdisciplinary cross-scale approach in Morocco and Senegal**
- 4. Synthesis and cross-learning in Kenya**

Climate Finance

Social Equity



# Governance 4 Resilience

*Multiscale governance for transformative adaptation*



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Climate Finance

Social Equity

- 1. Improve coordination through a multiscale polycentric governance model**
- 2. Enable responsiveness via the Early Warning, Action, and Finance (AWARE) Platform**
- 3. Facilitate planning using the ClimaAdapt-Gov Dashboard**
- 4. Empower champions of change**

Kenya

Senegal

Zambia

Morocco

Philippines

Guatemala



# Climate Finance Crosscutting ClimBeR



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**WP1—De-risk: Reducing risk in production system-linked livelihoods and value chains at scale**

- Agro-climatic informed Innovative financial mechanisms combining credit, savings and insurance to build resilience (RCC)
- Climate risk profiling system to de-risk finance and investments

**WP2—Climate Security: Building production-system resilience considering the inter-linked relation between climate, security and peace**

- Humanitarian and resilience building investments
- Innovative finance mechanisms for peace-building

**WP3—Policy Pathways: Developing adaptation instruments to inform policy and institutional development**

- CSA Investment Planning
- Public-private blended finance mechanisms for scaling resilience building interventions

**WP4—Governance 4 Resilience: Promoting multi-scale governance to empower decision making by farmers and communities**

- Financial and investment indicators
- Institutional structures (e.g. cooperatives, savings groups) for financial literacy and access to finance.

**Gender & Social Equity**

# Gender and Social Equity



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## De-RISK

- Incorporating gender and social equity in assumptions of climate risk profiling system
- Understanding barriers to uptake of climate information services

## Climate Security

- Identifying & prioritizing the most vulnerable to ensure peace and security in a climate crisis
- Attention to imbalances in access and distribution of resources, processes, & representation

## Policy Pathways

- Incorporating gender and social equity in assumptions for policy pathways
- Embedding gender and social equity in participatory workshops, future visioning, vulnerability mapping

## Governance 4 Resilience

- Multi-stakeholder approach to farmer/community empowerment and institutional responses to climate shocks
- Indicator framework to design local investments with a focus on disadvantaged groups

Gender & Social Equity

# Our partners



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Centre for Minority Rights Development

