



Mitigate+: Research  
for Low-Emission  
Food Systems

# Climate change mitigation

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Low-emission food systems



BLOG

# What is LEFS?: Know about the team that scales research-based solutions toward low-emission food systems

Our mission is to develop and scale research-based solutions that contribute to transforming food and land systems into low emitters of greenhouse gases and delivering sustainable development co-benefits.

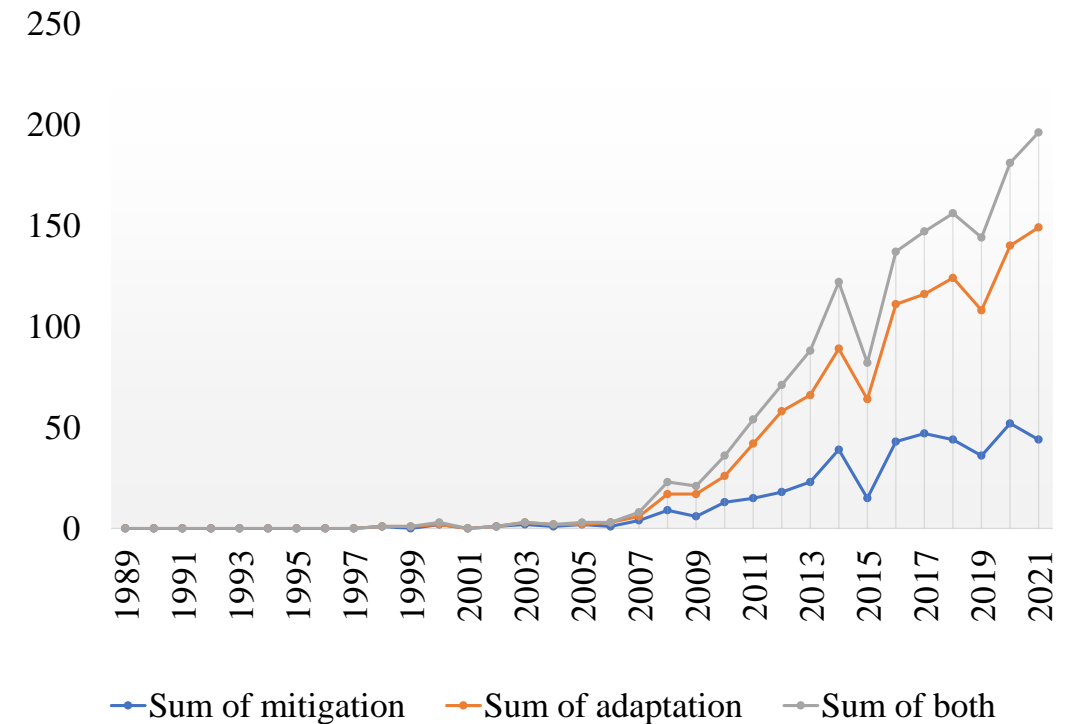
# The triple burden of malnutrition and CC obligations to explore pathways



Mitigate+: Research for Low-Emission Food Systems

- Population growth and hunger
- F&A research organizations invested towards increasing crop yields and bolstering food security.
- CGIAR centers have contributed to enhanced agricultural productivity and livelihoods
- Awareness of social and environmental impacts

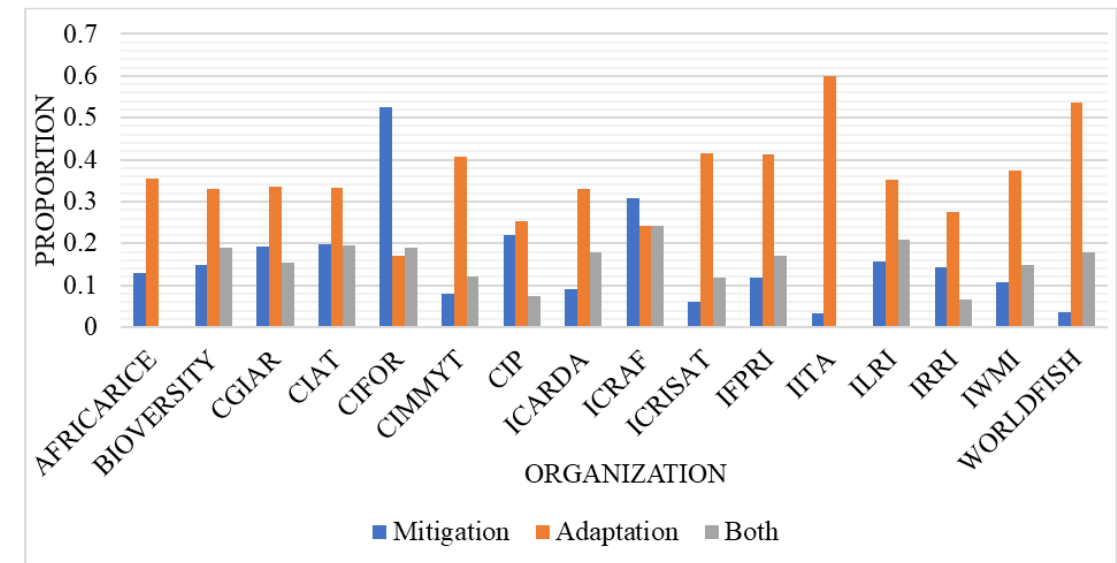
## Trends in CGIAR's climate change research



# The global food system contributes 35% of global GHG emissions

- 72% of which from the Global South
- Agricultural sector's mitigation efforts in non-Annex 1 countries sidelined because of food security concerns
- Paris Agreement commitments to reduce GHG emissions marked a paradigm shift
- F&A priorities are shifting toward low-emissions climate resilient food systems

## Adaptation & mitigation research across CGIAR



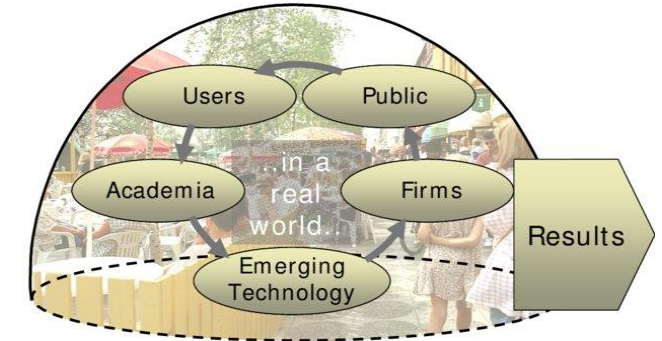
# Mitigate+: Innovative research building on CGIAR experience, research and partnerships



**WP1:** Planning



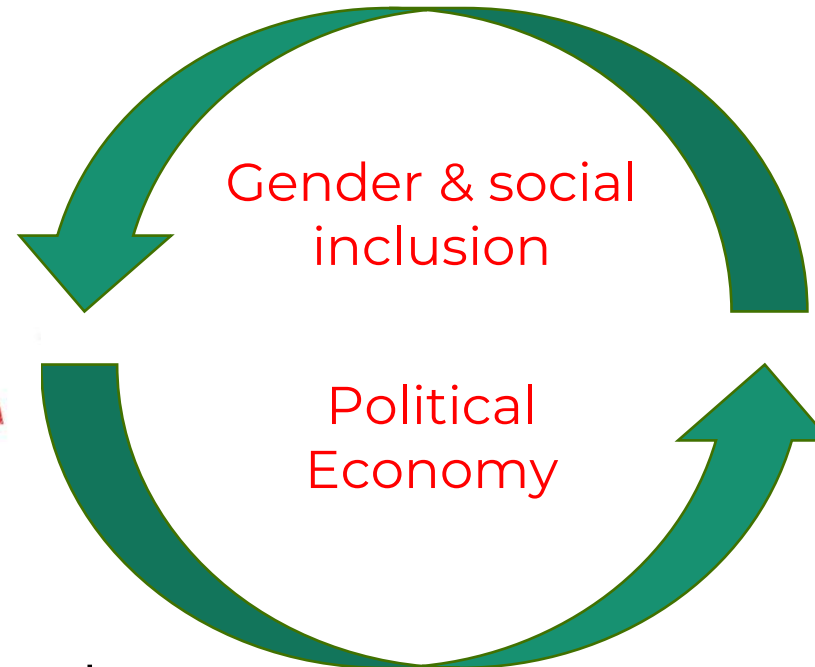
**WP2:** Data



**WP3:** Living labs



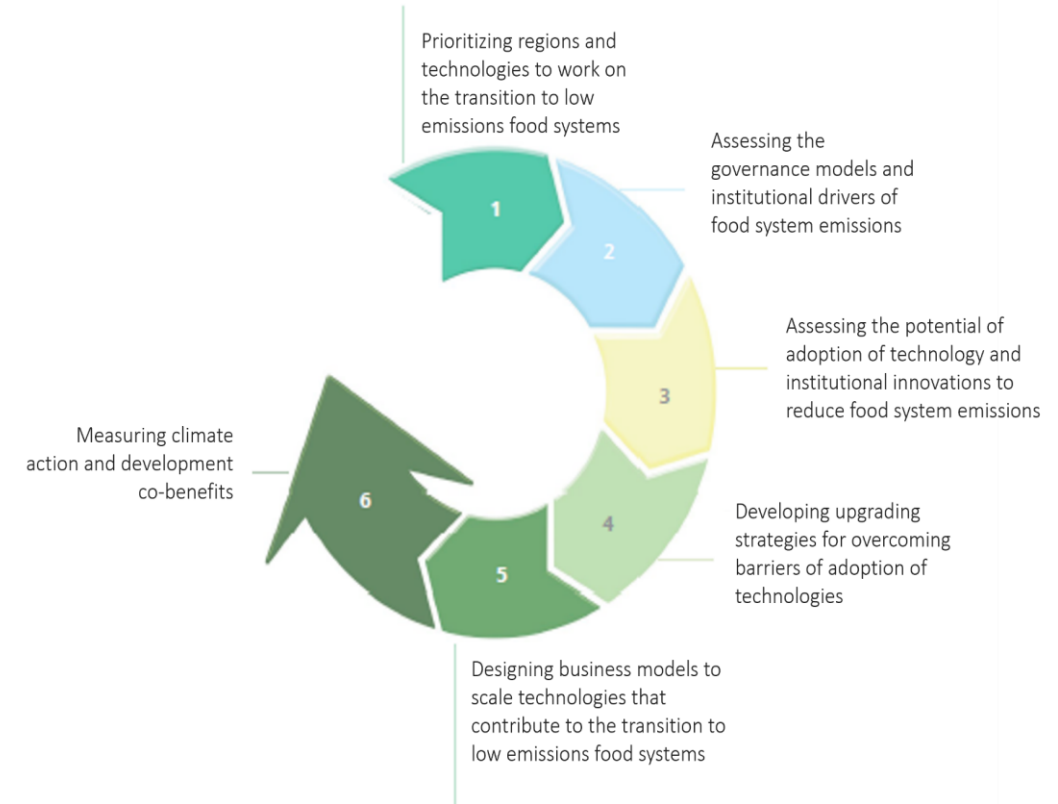
**WP5:** Engagement



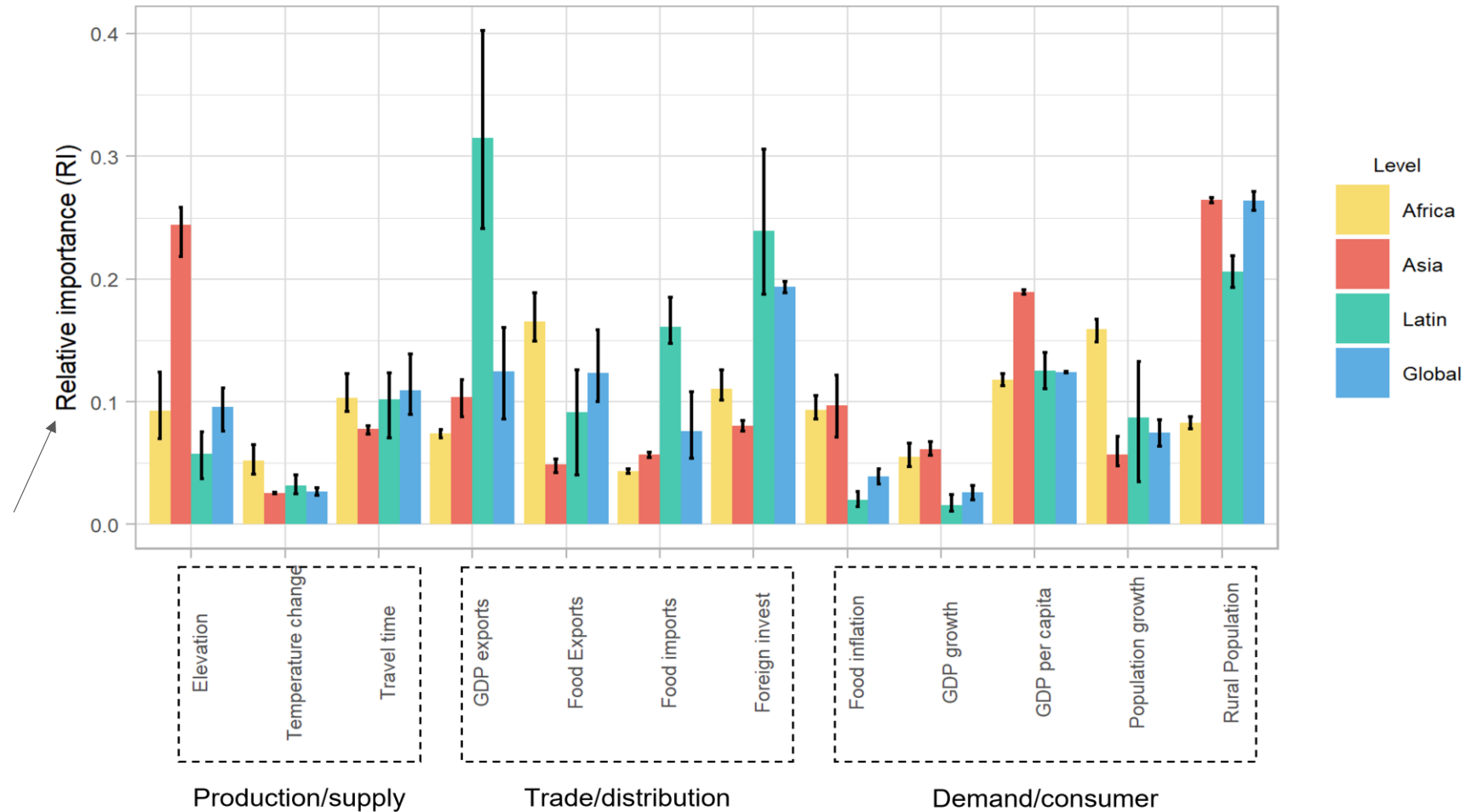
**WP4:** Scaling up

# MITIGATE+ is retrofitting and optimizing innovations to deliver climate mitigation

- Progress towards achieving global south countries mitigation targets has been lagging
- Technologies and policy approaches exist, but their low rate of adoption impedes their potential
- Enabling institutional and social environments are needed to support large scale adoption



# Food system drivers of deforestation



# Scaling innovation toward zero-deforestation supply chain

- We launched in early August 2023 the Sustainable Cocoa Innovation Challenge in Colombia,
- Aims to : “accelerate and fund innovative ventures that operate along the cocoa value chain in Colombia and promote sustainable land use systems toward climate change mitigation and peacebuilding.”





# Thank you!

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