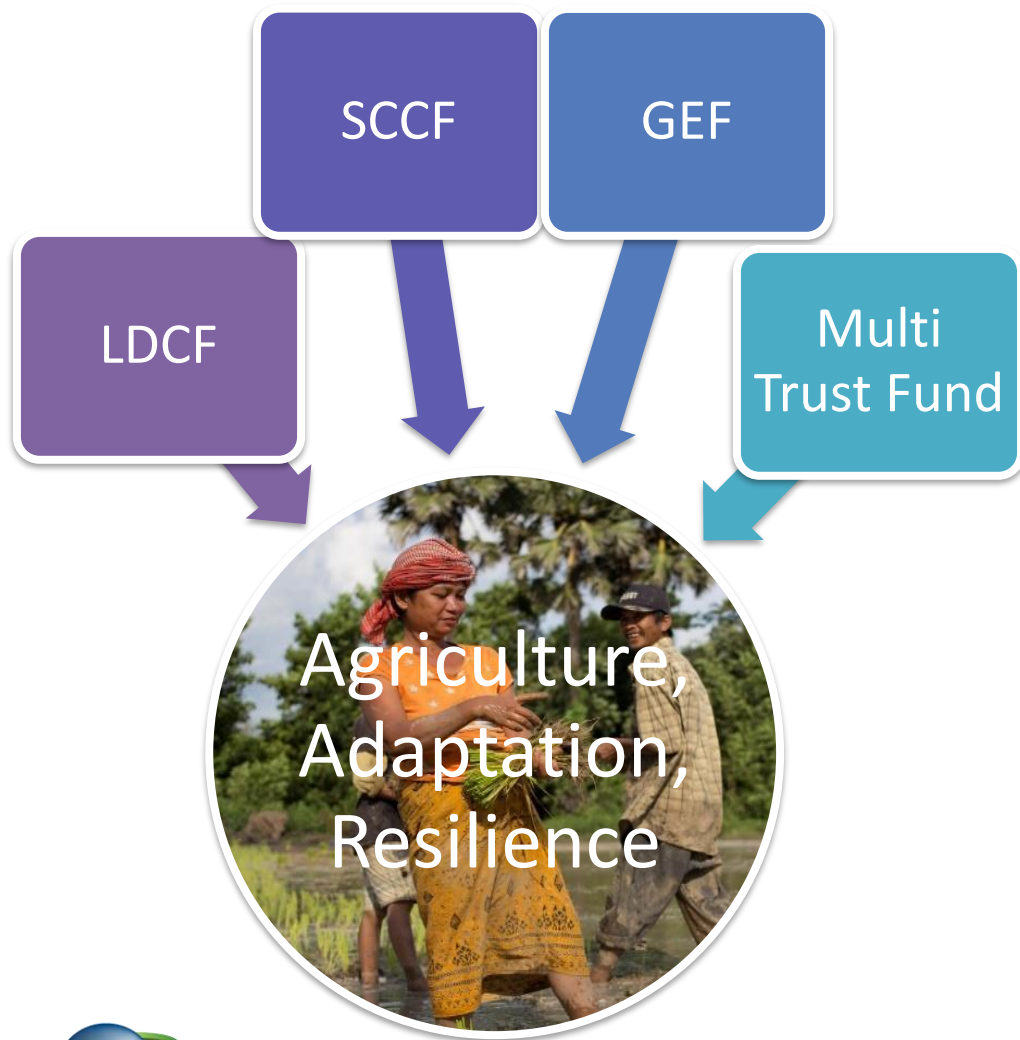# Assessing Climate Change Adaptation, Co-benefits, and Resilience

Koronivia Joint Workshop on Agriculture

Chizuru Aoki

GEF Secretariat

18 June 2019

GEF Support for Adaptation and Agriculture

SCCF

GEF

LDCF

Multi Trust Fund

Agriculture, Adaptation, Resilience

LDCF/SCCF

- $1.75 billion for adaptation
- 282 LDCF and 79 SCCF projects
- 28 million beneficiaries
- 7 million ha of land made climate resilient

Agriculture

- Priority for GEF adaptation support
  - 96% of NAPA report priorities
  - 73% NAPA implementation project priorities
- Cross-cutting with mitigation, land degradation, biodiversity
- Socio-economic co-benefits

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GEF Approach to Assessing Adaptation

- **Capture absorption, adaptation and transformational impacts**
  - <u>Directly attributable benefits</u>
  - <u>Benefits at value chain and system level</u> e.g. resilient food systems, ecosystem based adaptation, social impact
  - <u>Contribution to development objectives</u> by integrating adaptation in development & environmental programs
  - <u>Systemic and transformational change</u> from climate policies and governance
  - <u>Social inclusion benefits with gender</u> segregated benefits

- **Dual focus on products and processes**
  - Resilience **<u>as products</u>** e.g. resilient infrastructure, automated weather stations, new crop varieties
  - Resilience as **<u>a process</u>** for long term action e.g. institutional capacity built, policies developed

- **Qualitative assessment**
  - Capture qualitative results for scaling up

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Monitoring and Assessing Adaptation Benefits

- Evolution in results architecture:
  – Updated LDCF/SCCF adaptation results framework for 2018-2022
  – Aligned with GEF results architecture with 11 core indicators
- Guided and informed by:
  – Gender policy and stakeholder engagement strategy
- Agriculture:
  – Tracked as core indicator of hectares of land under resilient management
  – Context specific information assessed
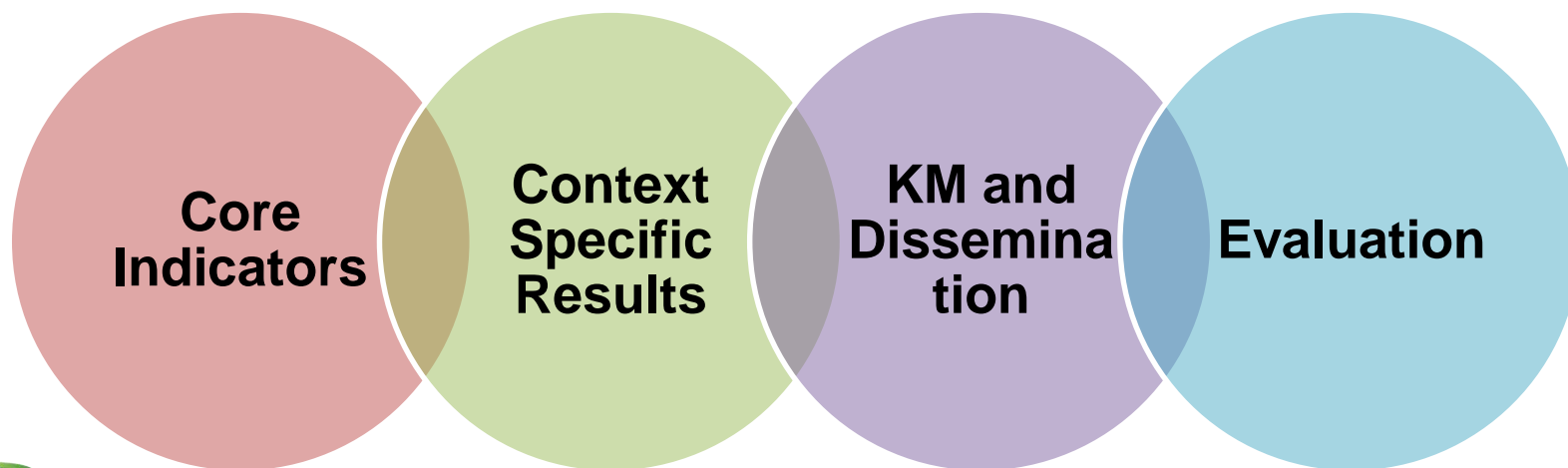
Core Indicators   **Context Specific Results**   **KM and Dissemination**   **Evaluation**

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LDCF/SCCF Results Architecture

Updated LDCF/SCCF Results Architecture

- ✓ High Level and comparable

- ✓ Simple to measure with practical policy applications

- ✓ Captures direct results as well as systemic and long term impact

- ✓ Sectoral and geographical coverage information

	Core Indicators
1	Total no. of direct beneficiaries
	Male
	Female
2	Hectares of land under climate-resilient management
3	Total no. of policies/plans that will mainstream climate resilience
4	Total no. of people trained
	Male
	Female

Meta-information

- ☐ LDCF   ☐ SCCF Challenge Window   ☐ SCCF Incentive for adaptation/resilience

- ☐ This project involves at least one Small Island Developing State (SIDS)

- ☐ This project involves at least one fragile and conflict affected state*

- ☐ This project will provide direct adaptation benefits to the private sector

- ☐ This project is explicitly related to the formulation and/or implementation of national adaptation plans (NAPs)

- ☐ This project has an urban focus

This project covers the following sector(s) (the total should be 100%):

- Food and agriculture   (%)
- Natural resources management   (%)
- Coastal zone management   (%)
- Water resources management   (%)
- Disaster risk management   (%)
- Other infrastructure   (%)
- Health   (%)
- Other   (%)

If Other, please specify :

This project targets the following climate change exacerbated/introduced challenges:

- ☐ Sea level rise   ☐ Change in mean temperature   ☐ Increased climatic variability   ☐ Climatic hazards

- ☐ Land degradation   ☐ Coastal and/or coral reef degradation   ☐ Groundwater quality/quantity

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Examples: Context Specific Results and Indicators

Mozambique: Strengthening capacities of agricultural producers to cope with climate change for increased food security through Farmers Field School approach

- Mainstreaming
  - Number of targeted rural development programs that include CCA
- Technology/knowledge transfer
  - Level of use of agro-meteorological information by beneficiaries

Lao PDR: Strengthening agro-climate monitoring and information systems
- Systemic and resilience
  - Strengthened capacity of Agro-meteorology Division through climate and weather data management systems, standard operating procedures, and formal collaboration with private telecom companies

Challenges

- More qualitative and indirect nature of adaptation results and impacts

- Lack of universal methods and indicators

- Limited capacity and access to tools/methods for assessing agriculture (mitigation and adaptation):

    ➔ 28% of CBIT projects with AFOLU component

- Still emerging national level frameworks for M&E of adaptation

- Multi-focal projects generate benefits and co-benefits, but have higher costs

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Lessons and Opportunities

- Assessing qualitative results is critical: not all benefits can be quantified

- Enabling activities and mainstreaming help countries to capture adaptation benefits innovatively
  - Systems for measuring resilience benefits and climate risks in asset valuation, census data, health data, etc.

- Support countries in developing M&E system for adaptation to ensure tracking of adaptation and resilience benefits

- Develop common understanding of key concepts, such as multiple benefits, synergies, trade-offs, integration, and how to measure them

- Support available through CBIT global initiative on AFOLU
  - Enhance capacity and to improve tools and methods for sector towards enhanced transparency

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Thank You!

Knowledge Management

- Knowledge management core to project design and overall programming strategy

- Contributes to sustainability and replicability of direct results

- Informs project design

- Strengthens stakeholder partnerships and networks for global action

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