Financing for transformative Climate technologies



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OUTLINE



- 1. Background
- 2. Green Climate Fund and Climate Technology Investments
- 3. Case studies
- 4. Questions



GLOBAL CONTEXT



Climate Impacts

- ☐ In the last 50 years, storms (i), floods (ii), tropical cyclones (iii) and droughts (iv) caused 3.7 million deaths and 7.6 billion people were affected (Guha-Sapir 2018).
- ☐ Global economic losses during this period amount to more than 2.4 trillion US\$ or 0.2% of world GDP each year.
- ☐ Relative to GDP, small island developing states and African countries experience the heaviest damages.
- Costs are increasing: 50 Bn US\$ / yr (2007); 70-100 Bn US\$ / yr (2010), 280-500 Bn US\$ / yr (2016).
- ☐ The cost of establishing and operating fitfor-purpose interventions (e.g. CIEWS) too expensive for developing countries.

INDC, NAPA, NAP

- All 13 Parties which have submitted NAPs as of June 2019 mention climate information.
- ☐ Early Warning Systems (EWS) are found in 50% of the NDCs submitted.
- ☐ Ambition is clear, but the identification of action is lacking, even in countries that are highly vulnerable to climate change.
- ☐ Quality of the information provided is low, in most cases superficial and incomplete.

Market assessment

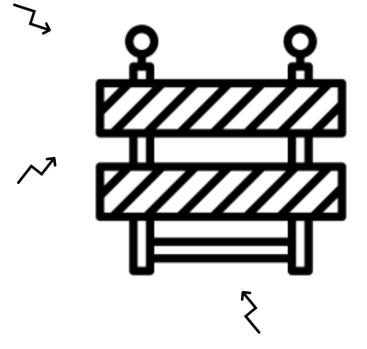
- ☐ Lowest capacity in Africa, LDCs & SIDS.
- ☐ Growth driven by vibrant private sectors (energy, aviation, large scale agriculture, infrastructure resilience).

BARRIERS



Lack of enabling environment for **institutional effectiveness**

Lack of coverage and scale for effective service delivery in terms of quantity and quality of hard infrastructure and inadequate soft infrastructure for ensuring delivery and uptake of risk information.



Uncoordinated interventions limit the effectiveness of existing support to developing countries. **Limited governmental finances** and **budgets**allocation (e.g. NMHS
& NDMA).

The complexities of production, dissemination and uptake of risk information

Market barriers to creating enabling conditions





GCF PORTFOLIO

GCF Overall Portfolio

Projects

Readiness

\$8.8B

\$302.1M

121 countries 138 countries

USD 33.2B

total portfolio with co-financing

1.8

gigatons of CO2 eq.

500 million people with increased resilience

Projects & Readiness/PPF

Projects only

Readiness/PPF only

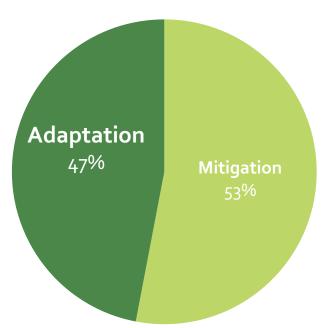
GCF Africa Portfolio

Projects 70
GCF finance \$3.3B
Co-financing \$7.7 B

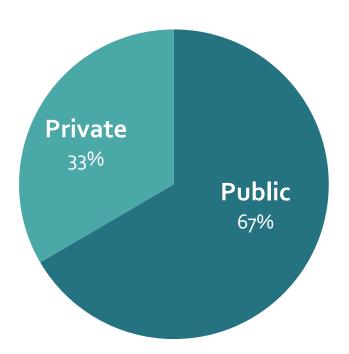
GCF PORTFOLIO COMPOSITION



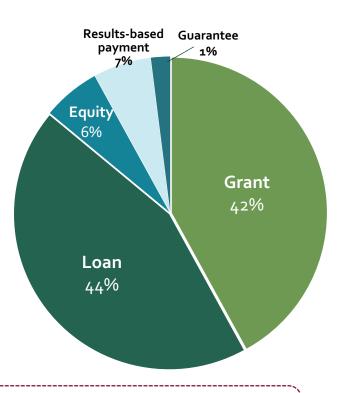




Public / private sector



By Instrument (%)



Flexibility in deployment: mitigation/adaptation, public/private, and financial instruments

WHAT DO WE LOOK FOR?



Additionality of **GCF** Funding Why GCF? Projects must crowd-in

additional financing on top of GCF

Strong Climate Rationale

- Climate Impact of investment is key
- Scientific evidence to be provided

Six Investment Criteria

- Impact Potential
- Paradigm Shift Potential
- Sustainable development potential
- Recipient needs
- Country ownership
- Efficiency & effectiveness

8 Results Areas





Transport





Ecosystems



Forests and

land use

Industries

Livelihoods of people & comm.



Health, food

and water

security

Infrastructure

Compliance with **GCF** Policies

- Fiduciary standards
- Risk Management
- ESS
- M&E Criteria
- Gender Policy
- Legal Standards

Completeness of documentation

- Feasibility study
- Financial Model
- Project Timetable
- Gender Analysis
- **Environmental studies**
- No-objection letter

Country Driven Approach

- Alignment with NDCs
- Early country (NDA) engagement
- No-objection letter

GCF CLIMATE INNOVATION, TECHNOLOGY AND SUPPORT FACILITY



- Catalyse private & public investments in early/growth stage high-impact climate technologies and innovations in both adaptation and mitigation
- Invest in the transfer and deployment of climate innovations and technologies from developed countries to developing countries

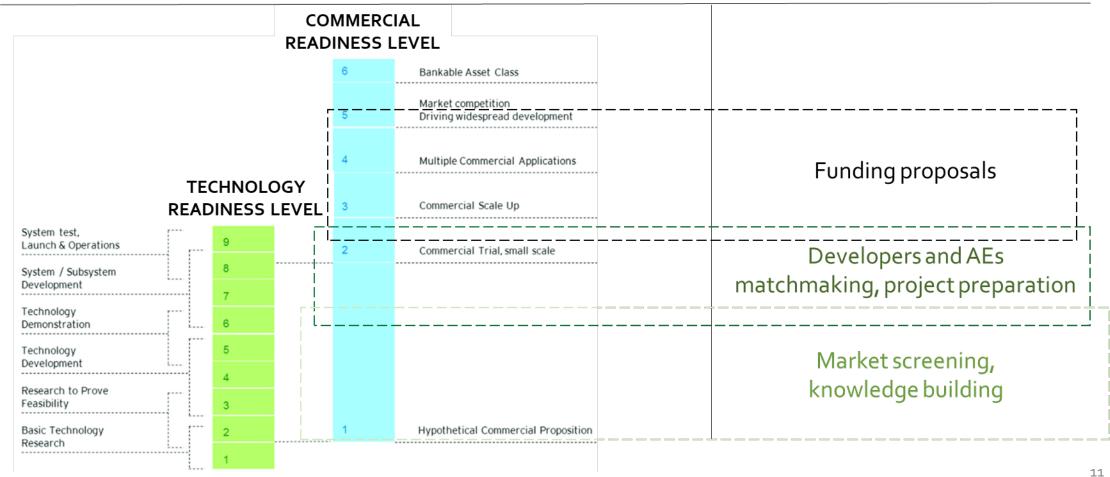
- Support Accredited Entities with innovative climate technology-based projects and programmes
- Establish strategic relationships with technology and innovation institutions
- Facilitate effective development of innovative funding solutions

TARGET FOCUS ACTIVITIES



TECHNOLOGY DEVELOPMENT STAGES

TEAM ACTIVITIES



FINANCIAL INSTRUMENTS



Loans



- Flexible pricing & tenor
- Relatively high-risk tolerance



- Assume equity positions
- Support investment incubators



Tailored guarantee instruments



- Fit-for purpose grants
- > Encourage innovation
- Minimum concessionality





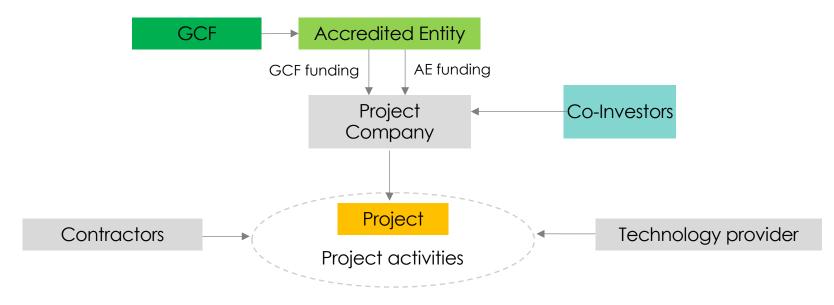


Encourage high impact climate investments and act as 'market maker'

Support the development of climate compatible financial systems

INDICATIVE PROJECT STRUCTURE





- GCF Innovation Team will support innovative projects to mitigate the challenges of market conditions in the developing countries
- GCF risk-taking is primary driven by climate impacts (mitigation or adaptation outcomes of the project), and not entirely by profitability
- GCF will provide long-term patient capital, alongside co-investors and an AE

KEY PARADIGM-SHIFTING CONSIDERATIONS TO ENSURE SUSTAINABILITY OF INVESTMENTS



Transformational planning and programming



• Climate science informs strategic plans and country programming; implementation aimed at coherence and complementarity, efficiency and effectiveness.

Catalyzing climate innovation



 Innovations in GFCS, GBON, IBF, FBF, (IoT, Big Data, Cloud Computing) to underpin project design, create strategic partnerships, quality management and improve policy.

Mobilizing investment at scale



• Innovative financing options, enable blended finance and key partnerships to leverage and scale up investments

Expansion and replication of knowledge



 Knowledge brokering on climate investments, science and technology through institutional collaboration; monitoring, evaluation and learning to ensure impact evaluation

Synergetic action between government and private sector, enabled and facilitated by GCF

4 Case Studies of GCF Investments in Africa



LEVERAGING ENERGY ACCESS FINANCE (LEAF) FRAMEWORK

Country	GCF financing	Accredited entity	Financial instrument	Year approved
Ghana, Tunisia, Ethiopia, Nigeria, Kenya & Guinea	USD 170 million	AfDB	Loan, Guarantee, & Grant	2021

- The LEAF framework will provide decentralized renewable energy solutions to tackle the energy shortfall, while also reducing CO₂ emissions and simultaneously boosting local economies and businesses.
- This initiative will address financial and investment barriers by deploying credit enhancement instruments and new financial products to crowd in local currency debt and commercial capital.
- The LEAF framework will also address adverse COVID-19 economic impacts which have limited national capacities to achieve renewable energy transition goals.





ENHANCING CLIMATE INFORMATION SYSTEMS FOR RESILIENT DEVELOPMENT IN LIBERIA (LIBERIA CIS)

Country	GCF financing	Accredited entity	Financial instrument	Year approved
Liberia	USD 10 million	ADB	Grant	2020

- Liberia currently lacks the capacity to prepare for and respond to climate-related extreme events.
- The project will improve hydrometeorological service generation & provision, in line with WMO requirements.
- It will also enhance preparations and response to climate hazards through an enabling environment, appropriate legislation, agency coordination as well as implementing an effective impact-based forecasting and forecast-based financing mechanism.

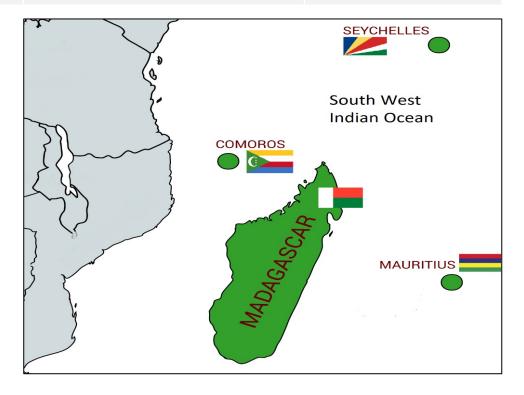


GREEN CLIMATE FUND

BUILDING REGIONAL RESILIENCE THROUGH STRENGTHENED METEOROLOGICAL, HYDROLOGICAL AND CLIMATE SERVICES IN THE INDIAN OCEAN COMMISSION (IOC) MEMBER COUNTRIES

Country	GCF financing	Accredited entity	Financial instrument	Year approved
Comoros, Madagascar, Mauritius, Seychelles	USD 52.8 million	AFD	Grant	2021

- The Southwest Indian Ocean region is highly vulnerable to climate change impact, particularly tropical cyclones
- The project will support the countries in the region to overcome barriers in managing the risks and impacts of climate-induced disaster.
- By implementing a multi-hazard early warning system, the project will equip decision makers and communities with adequate tools to prepare for and adapt to climate variability and change.





IFAD AICRFP AFRICA-SAHEL

Country	GCF financing	Accredited entity	Financial instrument	Year approved
Burkina Faso, Chad, Gambia, Mali, Mauritania, Niger, Senegal	USD 83 million	IFAD	Grant	2021

- Sahel region of Western Africa is exceptionally vulnerable to climate change
- The programme to build, strengthen and scale up the resilience and adaptive capacities of smallholder farmers and rural communities of 7 LDCs in Sahel region.
- It will provide capacity building and institutional development on integrated climate risks management.





Raising ambition.
Empowering action.

HOW DO WE WORK?



