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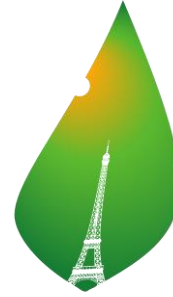
Mastering Disaster in the Anthropocene: Reconciling DRR and Climate Frameworks

Alastair Morrison
Water Sector Senior Specialist
Green Climate Fund

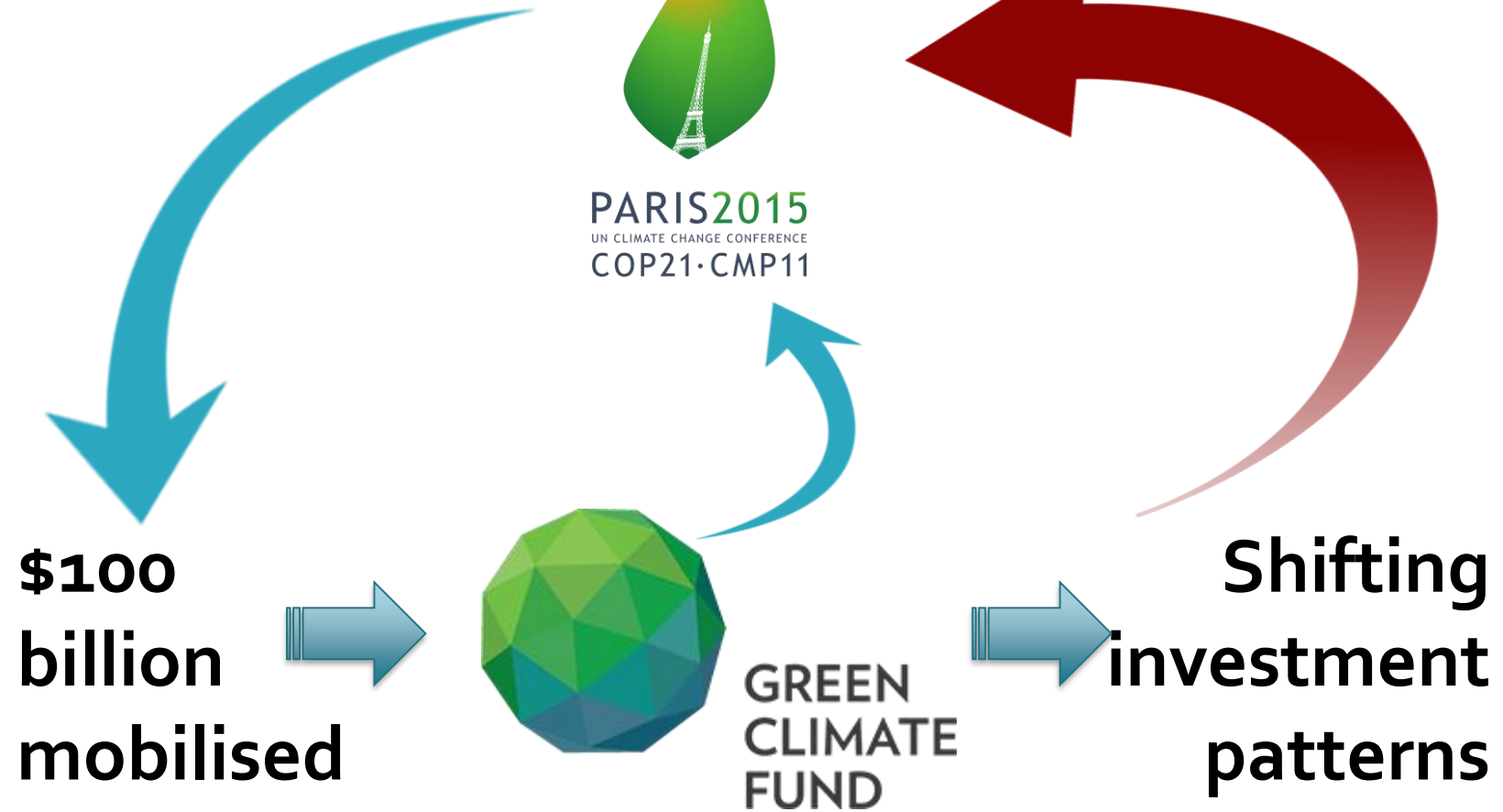
World Water Week
Stockholm, Sweden
27th August 2018



The Paris Agreement & shifting the trillions...



PARIS2015
UN CLIMATE CHANGE CONFERENCE
COP21·CMP11



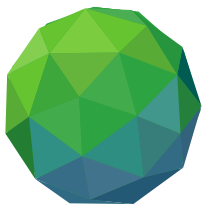
\$100 billion mobilised



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Shifting investment patterns

foster climate resilience and low greenhouse gas emissions development (Art 2, Para 1. b.)



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Overview of GCF Programming

Country and Entity Programmes are foundation, resulting in project proposals

NDCs



READINESS:

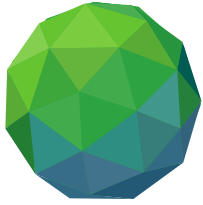
- i. NDA strengthening
- ii. Strategic frameworks (including Country Programmes)
- iii. Direct Access support
- iv. Adaptation Planning

Project
Concepts

PPF

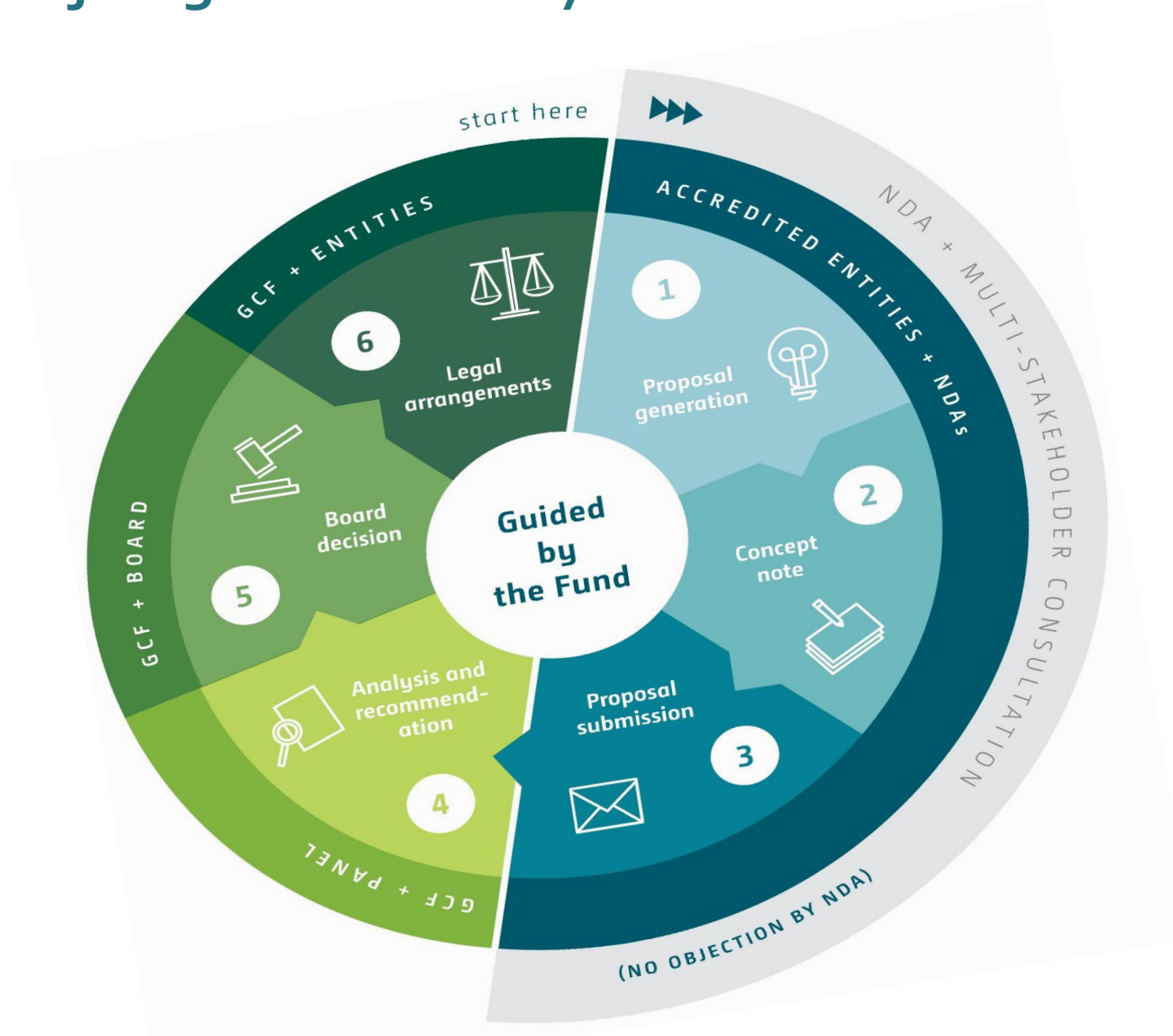
Catalysing \$100s
of millions to
address
countries'
adaptation
priorities

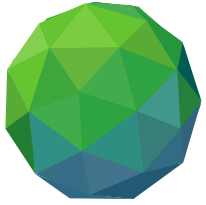
Structured Dialogues and direct access events further support funding proposal quality



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Project generation – by Accredited Entities and Government

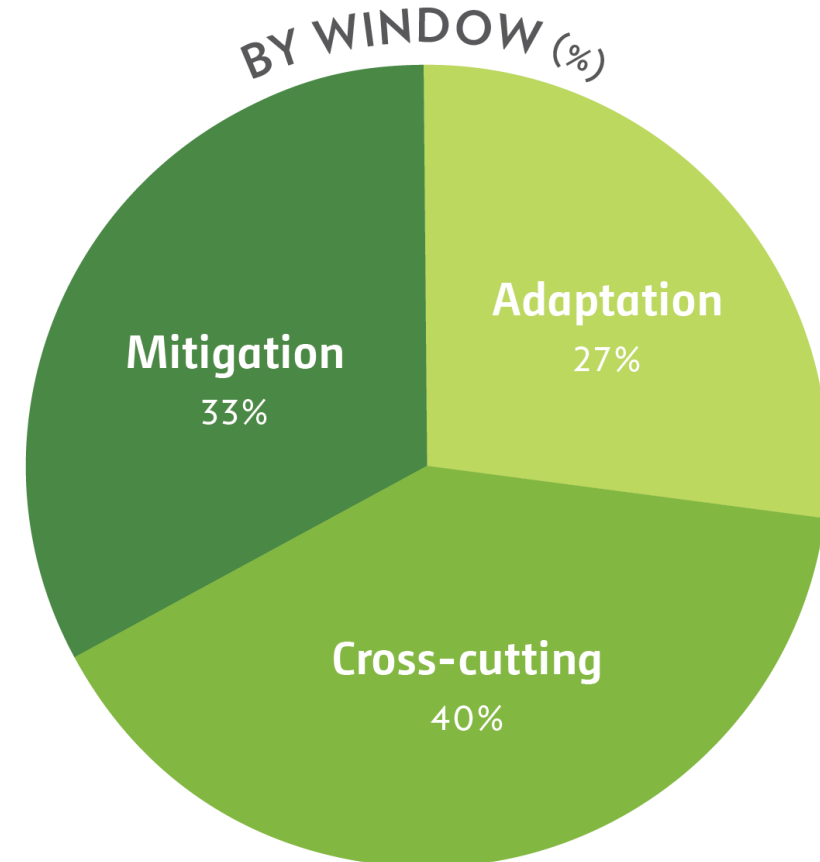
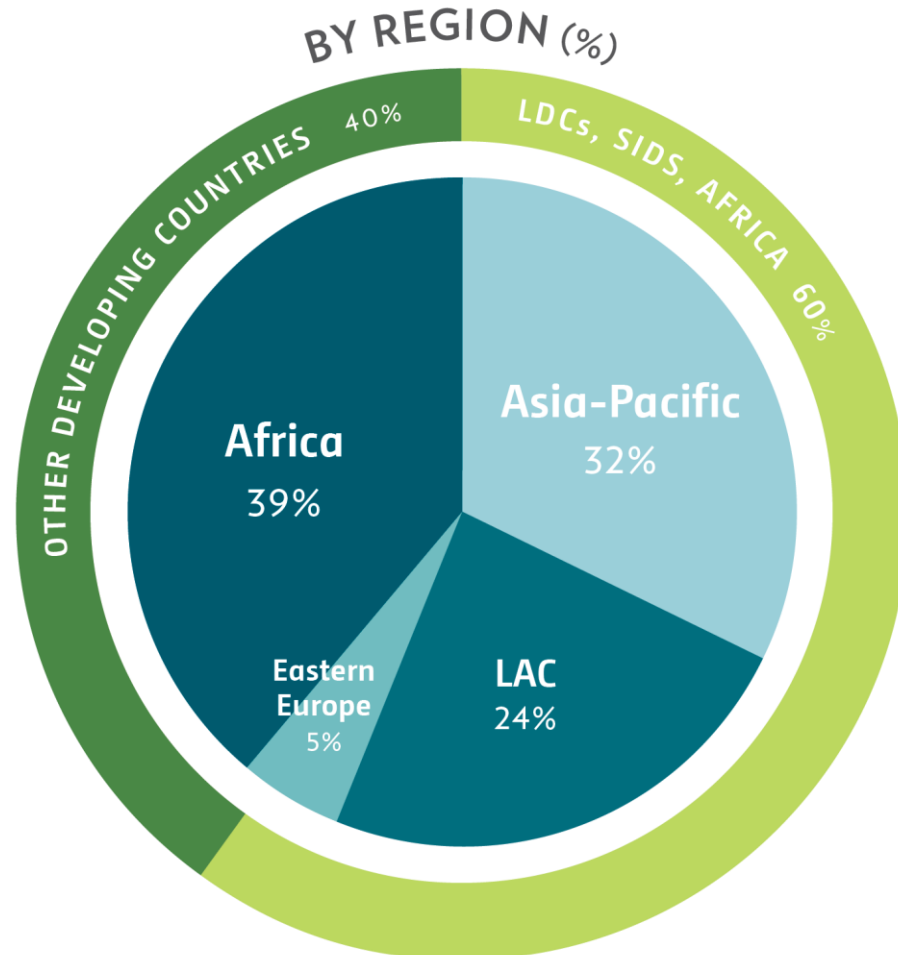


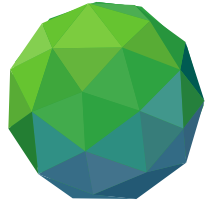


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Portfolio Overview

74 projects/programmes with USD 3.7 billion in GCF funding





GREEN CLIMATE FUND

A Diverse Network of Partners

59 entities accredited to date



Asian Development Bank



AGENCE FRANÇAISE DE DÉVELOPPEMENT



CONSERVATION INTERNATIONAL



European Bank for Reconstruction and Development



European Investment Bank



Entrepreneurial Development Bank



Food and Agriculture Organization of the United Nations



Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH



Inter-American Development Bank



International Finance Corporation WORLD BANK GROUP



INTERNATIONAL FUND FOR AGRICULTURAL DEVELOPMENT



GRUPE AGENCE FRANÇAISE DE DÉVELOPPEMENT



wfp.org



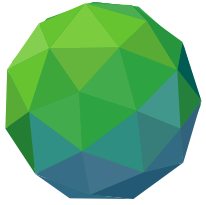
World Meteorological Organisation



THE WORLD BANK IBRD • IDA



Part II: The water portfolio



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Water and Climate Change

“it is through the water sector that most of the impacts of climate change will be felt....”

Runoff Flood Flows Erosion Drought

Sea levels Wave heights Storm frequency

Rainfall totals & intensity

Evapotranspiration Glaciation



GCF Portfolio By Water Subsectors

Subsector	# Approved projects	Total value approved (\$M)	# Pipeline projects
Coastal	5	141	9
Flood	3	153	7
Water supply	3	102	9
Drainage/sanitation/health	1	18	1
Irrigation	2	63	5
Hydropower	2	136	-
Ecosystems/wetlands	2	30	2
Drought	3	93	10



GCF - Results Areas

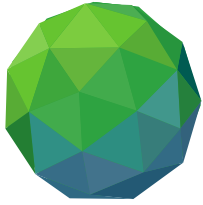
Adaptation

[1.0] Increased resilience and enhanced livelihoods of the most vulnerable people, communities, and regions

[2.0] Increased resilience of health and wellbeing, and food and water security

[3.0] Increased resilience of infrastructure and the built environment to climate change threats

[4.0] Improved resilience of ecosystems and ecosystem services

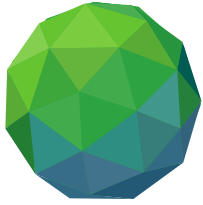


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Project assessment criteria

Based on Board Meeting resolutions

- Climate impact clear
- Strong climate rationale
- Most vulnerable people/ecosystems/demographic
- Country priorities, aligned with NAP
- Selection of best option
- Technically sound
- Economic rate of return
- Minimum concessionality
- Financial instrument (loan/grant/equity/blend)
- Right actors – public/private/civil society
- No adverse environmental / social impacts



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Water Resources Management

Addressing scarcity due to Climate Change:

GCF will consider all resilient adaptation options, including:

Demand management

1. Leakage reduction
2. Water re-use & recycling
3. Efficient irrigation

Supply enhancement

1. More storage e.g. groundwater
2. New supply infrastructure



Least or negative emissions impacts, optimising Environmental & Social impacts



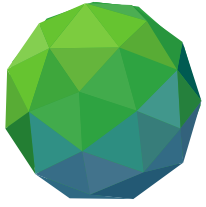
Flood and Coastal Management

Examples in Egypt, Bangladesh and others:

GCF will consider all adaptation options, including:

1. Resilient buildings
2. Livelihoods adaptation
3. Land use zoning
4. Insurance
5. Soft flood defences
6. Hard defences
7. Managed Retreat





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Adaptation - potential projects

Urban Drainage

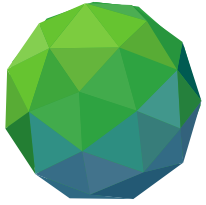


Irrigation efficiency



Coastal Defences

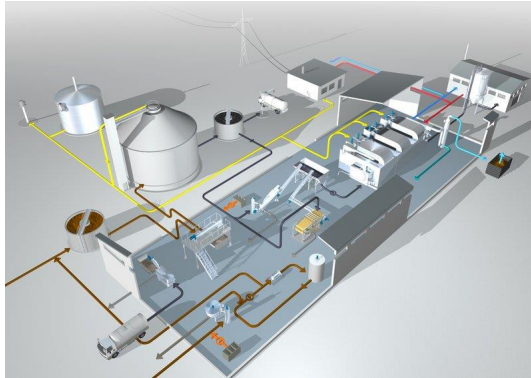




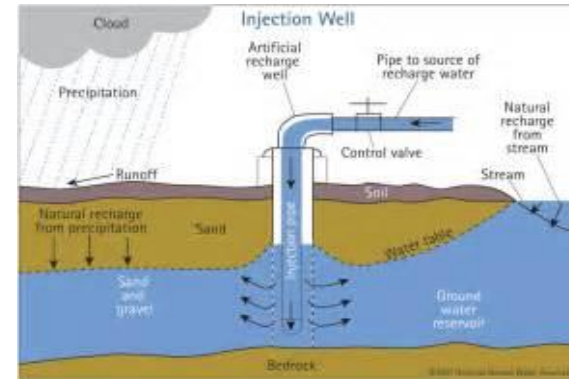
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Adaptation – potential projects

Wastewater (Reuse)



Groundwater



Water and health (Water related diseases)





Mitigation – potential projects

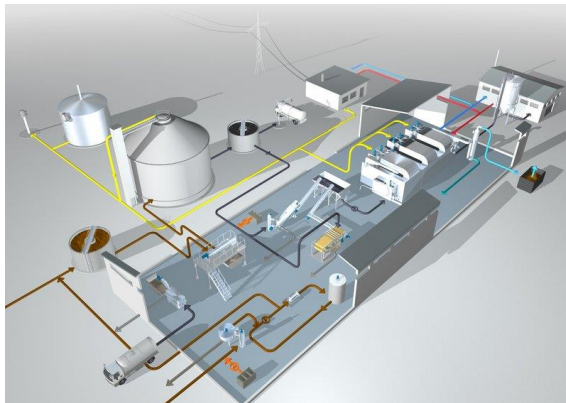
Hydropower

(run of the river / rehabilitation / new build)



Wastewater

(Energy from sewage)



Navigation

(low emissions transport)





GCF Portfolio – Approved Projects

1. All climate sectors:

- 74 projects
- \$3.7 bn GCF finance, \$12.6bn total
- 75M direct and 217M indirect beneficiaries, -1.3bn t CO₂

Climate and water:

- 21 projects
- \$737M GCF finance, \$2.2bn total
- 10M direct and 74M indirect beneficiaries



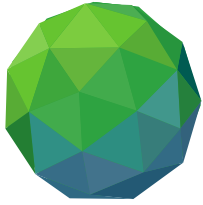
GCF Portfolio – Pipeline projects

2 All climate sectors:

- 156 projects
- \$7.7 bn GCF finance, \$20.1bn total

Climate and water sector:

- 41 projects
- \$1.5bn GCF finance, \$3.2bn total



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Approved Projects

<http://www.greenclimate.fund/projects/browse-projects>

BROWSE RECENT PROJECTS

PORTFOLIO
BROWSE PROJECTS

RELATED DOCUMENTS
Investment Framework
Investment Criteria
Proposal Approval Process
Results Management Framework (RMF)

<p>PROJECT FP037 Integrated Flood Management to Enhance Climate Resilience of the Vaisigano River Catchment in Samoa</p>	<p>PROJECT FP036 Pacific Islands Renewable Energy Investment Program</p>	<p>PROJECT FP035 Climate Information Services for Resilient Development in Vanuatu</p>
<p>PROJECT FP034 Building Resilient Communities, Wetlands Ecosystems and Associated Catchments in Uganda</p>	<p>PROJECT FP033 Accelerating the Transformational Shift to a Low-Carbon Economy in the Republic of Mauritius</p>	<p>PROJECT FP030 Catalyzing private investment in sustainable energy in Argentina - Part 1</p>
<p>PROJECT FP029 SCF Capital Solutions</p>	<p>PROJECT FP028 Business loan programme for GHG emissions reduction</p>	<p>PROJECT FP027 Universal Green Energy Access Programme</p>

For more info, visit www.greenclimate.fund

Quick links

[GCF 101](#)

[GCF portfolio](#)

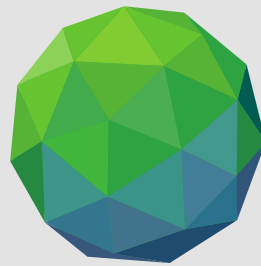
[Accredited Entity composition](#)

[Resources mobilized](#)

Alastair Morrison

GCF Water Sector Senior Specialist

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A quick progress report

- Over USD 3.7 billion committed to 76 projects
- Over \$600M of projects under way
- Around USD 150 million disbursed (up from \$11 million in 2016)
- 59 Accredited Entities, including 32 (over half) Direct Access entities
- 130 readiness applications approved for 92 countries at a value of over \$40m, over \$10m disbursed
- Up to \$3 million per country to support NAPs/adaptation planning
- \$500 million Request for Proposals on Mobilizing Funds at Scale
- \$500 million REDD+ results-based payments pilot
- Over 100 countries engaged on country programming