Innovation and Transformation to accelerate and scale-up climate actions

COP24 Side Event | December 6, 2018
Holistic & Transformative approaches paving the way

1. Replicate innovative models, technologies, and best practices across geographies/beneficiaries

2. Enhance multi-stakeholder capacities (institutions/communities) for sustained adaptation strategies

3. Strengthen policy and regulation to enable paradigm shift

4. Crowd-in and leverage finance and partnerships for multiplier effect
Developing climate-resilient flood and flash flood management practices to protect vulnerable communities

US$5 million (Flood Risk Management)

5 years (2012-2017)

6 vulnerable municipalities

200,000 direct beneficiaries and a total of 986,000 people
“The Rioni project played a transformative and catalytic role in the way that the country is approaching flood and flash flood management practices”

- Project Terminal Evaluation (2017)

Pioneering an integrated approach

Community-based innovative solutions and financing mechanisms

Adaptation technologies and practices piloted in high-risk areas

Policy framework & Institutional capacity
+ Direct flood defense
+ EWS expanded and modernized

Community-based bioengineering practices introduced
+ Weather index-based flood insurance

$5 million → 70 million

$0.2 million → 1.7 million beneficiaries

10 defense structures constructed across 12 high-risk areas
+ Agroforestry – over 24,000 trees planted

Approved by the Green Climate Fund in February 2018

"The Rioni project played a transformative and catalytic role in the way that the country is approaching flood and flash flood management practices."

- Project Terminal Evaluation (2017)
GLOF-I: Reducing Glacier Lake Outburst Flood Risks in Northern Pakistan

US$3.9 million (Flood Risk Management)

4 years (2011-2015)

Two hazardous glacier lakes in Gilgit-Baltistan and Chitral districts

Benefiting 1600 households (13,500 people)
“The GLOF-I project played catalytic role by demonstrating exceptional cost-effectiveness and the importance of community engagement for ensuring sustainability.”

- Project Terminal Evaluation (2015)
An Integrated Water Resource Management (IWRM) Programme in the Maldives

US$10.7 million (Drinking Water)

4 years (2011-2015)

Three islands

Benefiting 24% of all Maldivians vulnerable to water shortages and degrading water quality
Supporting Vulnerable Communities in Maldives to Manage Climate Change-Induced Water Shortages

- Project Interventions across the value chain = Source + Supply + Distribution + Demand
- Participative design and O&M development
- + Water User Group establishment and training
- Holistic IWRM approach was pioneered
- Community capacities for water resource management

Approved by the Green Climate Fund in November 2015

IWRM coverage expanded from 3 to 49 islands across 13 atolls

The project did not fully achieve all the outcomes, however, "May have catalyzed a paradigm shift in Maldives towards adaptation and self-sufficiency at the island level and communal management of water resources."

- Project Terminal Evaluation (2016)

$10.7 million → $28.2 million

$105,000 beneficiaries (30% of the population) & a total of 295,000 people

Designed to effect a shift towards self-funded replication

SCALE-UP

At least 4 new self-financed projects based on lessons and design principles
+ All new approvals based on tested IWRM standards
Reducing risk and vulnerability to climate change in Colombia

US$8.5 million (drought and water scarcity)

(Started 2012 - Ongoing)

8 vulnerable villages/townships in 3 municipalities

54,000 people and 406,054 hectares expected to benefit
Drivers for scalability and replication

“Despite delay the project has provided vital lessons for future project formulation and implementation planning.”
- Mid-term Evaluation (2017)

Introduction of a holistic ecosystems-based approach

Easing information, policy, institutional barriers to enable scale

Climate information systems
+ Wetland restoration
+ Build adaptive infrastructure
+ Establishing agroforestry-pastoral systems
+ Institutional capacity

Vitality of technical data and details for design
+ Importance of fostering communities and institutional capacity
+ Land ownership policies as impediments to activation

Approved by Green Climate Fund in October 2017

$5 million → $117 million

54,000 → 400,000 beneficiaries

Builds upon and compliments actions of AF-funded project

Scaling up Climate Resilient Water Management for Vulnerable Communities in La Mojana, Colombia

Scaling up Climate Resilient Water Management for Vulnerable Communities in La Mojana, Colombia
Learnings & Insights

This slide links to the publication www.adaptation-undp.org