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a water secure world

Global Water Climate Development Programme

## Portfolio of water project ideas in Asia for the Green Climate Fund

*Workshop Expected Outcomes*

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# Technical Workshop on Project Preparation for Transformational Climate Resilience Water Project Concepts in Asia

15 - 16 October 2018, Manila

# 25 Project ideas from 13 countries assessed against Climate Rationale & GCF Investment Criteria

Climate Rationale	Six GCF Investment Criteria					
	<p><b>E.1. Impact Potential</b></p> <p>Potential of the project/ programme to contribute to the achievement of the Fund's objectives and result areas</p>	<p><b>E.2. Paradigm Shift Potential</b></p> <p>Degree to which the proposed activity can catalyze impact beyond a one-off project/ programme investment</p>	<p><b>E.3. Sustainable Development Potential</b></p> <p>Wider benefits and priorities</p>	<p><b>E.4. Needs of the Recipient</b></p> <p>Vulnerability and financing needs of the beneficiary country and population</p>	<p><b>E.5. Country Ownership</b></p> <p>Beneficiary country ownership of, and capacity to implement, a funded project or programme</p>	<p><b>E.6. Efficiency Effectiveness</b></p> <p>Economic and, if appropriate, financial soundness of the project/ programme</p>



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# Most projects are not eligible for GCF project funding but rather for GCF Readiness funds

1. Many of the proposed projects are not eligible for GCF project funding but rather for GCF Readiness funds.

*A few of the projects also appear completely unrelated to the water sector. This is obviously not a problem for GCF, but the workshop's focus is largely water related.*



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# Additionality unclear, intervention rationale can be improved

## 2. In many of the proposed projects, the additionality of the project is not clear.

*Additionality refers to the additional costs incurred as a result of climate change. For example, if climate change is expected to result in sea level rise that is 1 metre above the historical average, and if coastal defences need to be raised, GCF would want to finance the raising of these coastal defences by 1 metre. The remaining construction costs would be deemed baseline development.*

## 3. Many projects link intervention rationale to climate change impacts.

*However, this needs to be described explicitly. A clear Theory of Change must come out of the project description.*



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# Paradigm shift potential weak; research/capacity development inadequate

## 4. Paradigm shift potential needs to be thought through.

*How can the project impact be replicated/scaled up (beyond the GCF project). What additional activities are required to ensure such replication/scale up? A clear upscaling/mainstreaming strategy is critical and should be thought through during further concept development.*

## 5. Some projects focussed solely on research/capacity development.

*The impacts of these are difficult to measure. We would recommend bundling such activities with suitable activities focussed on improving adaptive capacity on the ground.*



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# Strong climate rationale a must

- Credible science, robust assessment of impacts and disaster risks (IPCC)
- A set of optimal interventions that comprehensively addresses underlying climate risks
- Integrating interventions into decision-making for long-term low-emission climate resilient development



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# South Asia -17 Project Ideas

## South Asia

1	Bangladesh	Design, Implement Climate Resilient Eco-friendly Water Mgt Infrastructures in selected coastal areas.
2	Bangladesh	Climate resilient Agriculture in the selected Haor (Natural low lying natural water bodies) Basins
3	Bangladesh	Building sustainable water supply and food security under climate change scenario in drought prone areas
4	Bhutan	Climate resilient technology for water supply
5	Bhutan	Water resources management in the context of climate change
6	India	Rejuvenation of traditional water bodies in Bundelkhand region of India – Chandela and Bundela tanks
7	India	Climate resilient development in Bundelkhand region through alternate land use, potential regeneration, environmental restoration
8	Nepal	Empowering communities vulnerable to climate change-induced impacts on water resources
9	Nepal	Conduct studies on loss and damage associated with climate change on water resources sector
10	Nepal	Supporting South Asian GWP countries in addressing impacts of climate change on water through NAP
11	Pakistan	Integrated Water Management for Adaptation to Climate Change: Creating a Better Future for Pakistan
12	Pakistan	Assessment of water demand in Pakistan under globally changing climate
13	Pakistan	Impact of climate change on flood and drought in Pakistan
14	Sri Lanka	Climate-smart agriculture to cope with climate change impacts in medium irrigation system
15	Sri Lanka	Climate Resilient River Environment and Basin Protection of Maha Oya River Basin
16	Sri Lanka	Ensuing water security for livelihood of irrigated farmers projected to be most affected by climate change
17	Sri Lanka	Awareness, Implementation of Climate Resilient Water Safety Plans Ensure Resilient Drinking Water Supply



## South East Asia -7 Project Ideas

South East Asia		
1	Cambodia	Integrated flood and drought management in the Mekong and Tonle Sap floodplains of Cambodia by enhancing interconnection between the Mekong flow and flood storage of the Tonle Sap Lake
2	Indonesia	Mitigation and Adaptation Investment Roadmap on Water Related Hazards
3	Indonesia	Integration of water-related hazards resilience in NAP development
4	Lao PDR	Managing watersheds and wetlands for climate resilience
5	Malaysia	Community empowerment for flood disaster management in Malaysia
6	Myanmar	Development of climate resilience with regard to community based flood, drought, and irrigation management for food security
7	Vietnam	Enhancing community participation in small reservoir management to cope with floods in Vietnam

# Central Asia and Caucasus - 1 Project Idea

## Central Asia and Caucasus

1. Mongolia      Mongolia Green Finance Corporation

# Technical Workshop on Project Preparation for Transformational Climate Resilience Water Project Concepts in Asia

15 - 16 October 2018, Manila

## Workshop Expected Outcomes

1. Enhanced understanding of climate adaptation finance landscape in Asia
2. Enhanced understanding of the GCF impact criteria, operational modalities and procedures, and financing instruments
3. Clear understanding of concrete steps needed to prepare strong climate resilient water project concepts for GCF
4. Approaches and available resources understood for articulating climate rationale and estimating incremental costs of climate-proofing water investments
5. Enhanced understanding of the roles and responsibilities of all parties involved throughout the project cycle
6. Identification of potential GCF water project concepts for each participating country
7. Explore opportunities for follow-on exchange – a potential Project Preparation Partnership for Climate Resilient Water Projects in Asia