

# Virtual Business Opportunities Seminar Series:

## Climate Change, Disaster Risk Management and Procurement

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# CLIMATE CHANGE AND DISASTERS

## Context

- Large and diverse region in terms of geography and development.
- Some very emission-intensive economies.
- And natural resource-dependent economies highly vulnerable to the impacts of climate change.



## Impacts

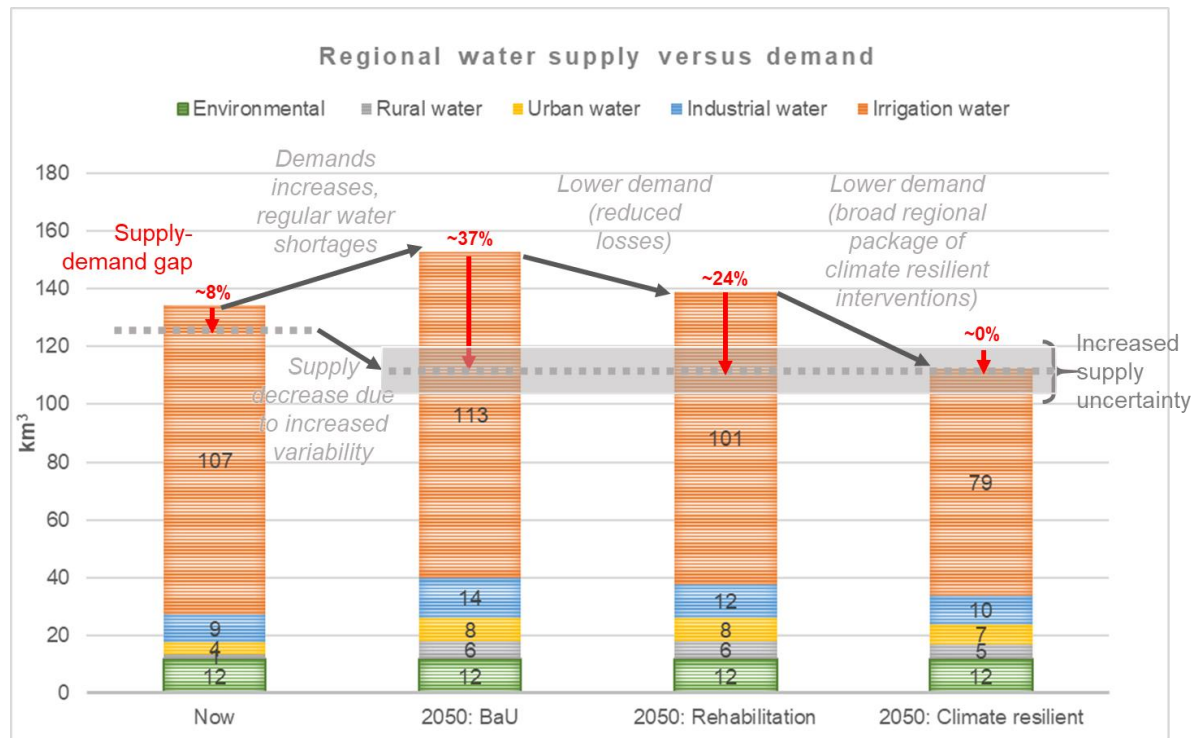
- The region is warming faster than the global average and projected to experience increased incidences of extreme weather and increased drought.
- Earthquake risks and mountainous area prone to land slides.
- Potential massive economic impacts with related political and social implications such as migration.



# CLIMATE CHANGE AND DISASTERS

## Example of Water Sector

- Change in river flows due to loss of glacial ice and temperatures and precipitation changes.
- Changes of supply and demand of water affecting economies and livelihoods.
- Water investments, planning and policies must prioritize and mainstream climate change adaptation and resilience.



# RESPONSE TO CLIMATE CHANGE IN CWRD

## **Project Financing**

- Supporting member countries to decarbonize their economies.
- Facilitating private sector investments in low-carbon technologies.
- Building climate and disaster resilience of investments and systems.

## **Strategic Action**

- Initiating dialogue on climate change in the context of Country Partnership Strategy and pipeline development.
- Producing upstream assessments to develop projects focused on climate change and disaster aspects.

## **Policy Support**

- Supporting climate policy and strategy development in member countries.
- Facilitating regional cooperation to address climate issues.
- Building and strengthening partnerships with international partners (including other providers of climate finance).

## CASE STUDY:

# Landslide Risk Management Sector Project in Kyrgyzstan

# Overview

## Outcome

Vulnerability and exposure of communities and infrastructure to landslide events reduced.

## Impacts

- (i) human and material loss from climate and geophysical-related disasters reduced and
- (ii) level of protection of the population and territories from emergency situations increased for sustainable development

## Outputs

1. Landslide mitigation engineering measures implemented.
2. Systems for on-site and national landslide monitoring improved.
3. Capacity for landslide risk management strengthened

## Innovative Elements

- Engineering with nature-based solutions
- Piloting an innovative satellite-based system for national-level landslide monitoring
- Community-based planning and capacity building to support sustainability



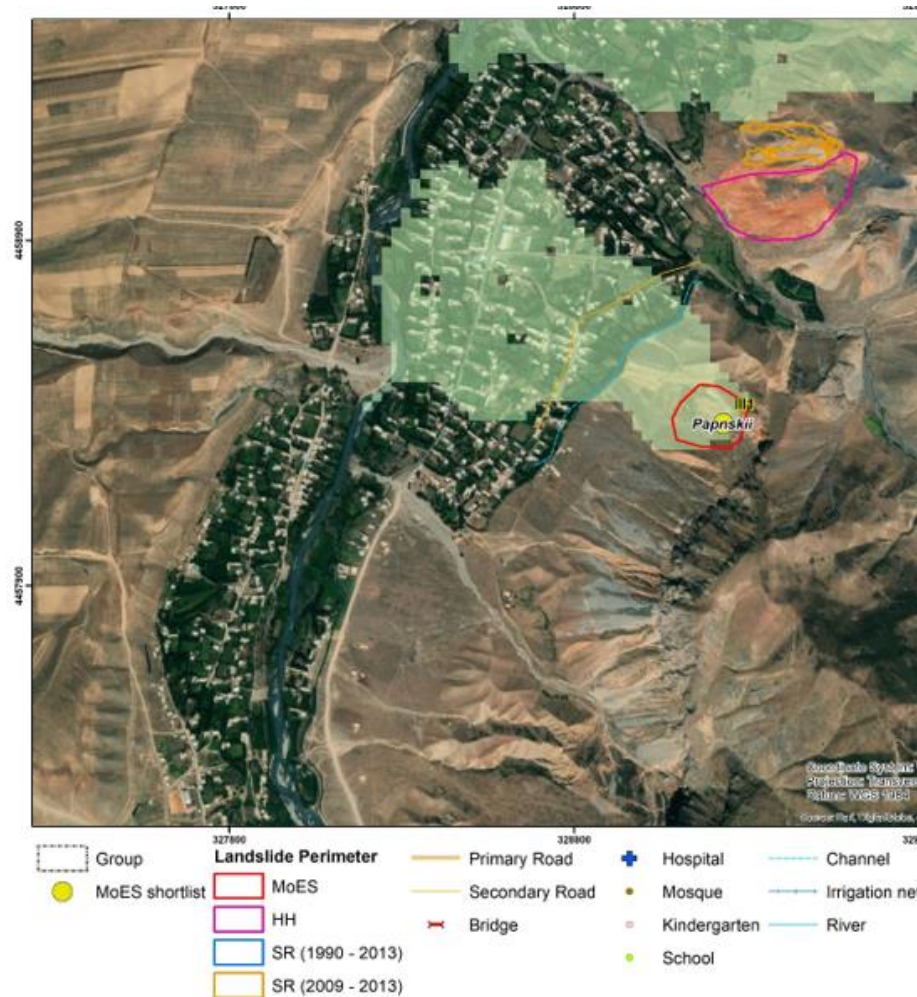
# Focus on Project Preparation

## Landslide risk reduction framework

- landslide risk assessment and subproject site selection incorporating earth observation and other advanced technologies
- climate change and seismic risk assessment
- topographic and geographic surveys
- scope and plan for prospective disaster insurance/financing mechanisms.
- feasibility-level structural design for representative subproject considering nature-based solutions

## Sector approach for subprojects

- Supports National Disaster Risk Management Program (2018-2030)
- Feasibility study conducted for large and representative subproject
- Long-list of further 45 sites assessed





# Focus on Project Preparation

## Key Experts

Landslide Specialist  
Hydrologist  
Infrastructure Specialist  
Disaster Insurance Specialist  
Social Safeguards (Resettlement)  
Specialist  
Environment Specialist



## Example List of Reports

The draft documents to be produced by the consultant team for the draft final report are:

- (i) Project Administration Manual
- (ii) Development Coordination
- (iii) Summary Sector Assessment
- (iv) Detailed Sector Assessment
- (v) Summary Economic and Financial Analysis
- (vi) Detailed Economic and Financial Analysis
- (vii) Summary Poverty Reduction and Social Strategy
- (viii) Gender Action Plan
- (ix) Poverty, Gender, and Social Assessment
- (x) Risk Assessment and Risk Management Plan
- (xi) Financial Management Assessment
- (xii) Project Procurement Risk Assessment and Strategic Procurement Plan
- (xiii) Summary Climate Change Assessment
- (xiv) Landslide Risk Assessment including Detailed Seismic and Climate Change Assessments
- (xv) Technical Feasibility Study for Representative Subproject
- (xvi) Initial Environmental Examination
- (xvii) Environmental Assessment and Review Framework
- (xviii) Social Safeguards Due Diligence Report or Land Acquisition and Resettlement Plan
- (xix) Land Acquisition and Resettlement Framework
- (xx) Asset Management and Operation and Maintenance Plan



# CAREC Water Pillar

## Aim

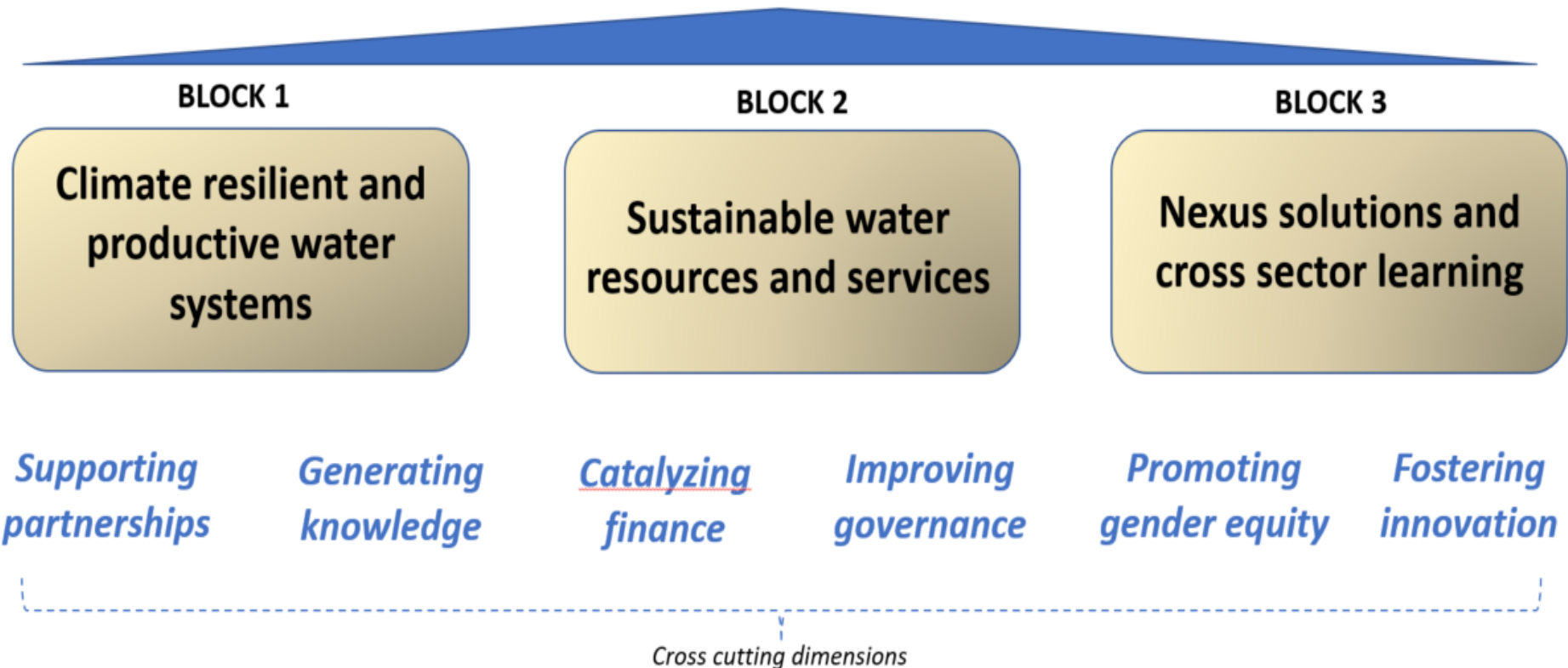
- As part of a broader regional economic framework to raise the profile of water security across the region and facilitate cross-sector dialogue and investments for mutually beneficial outcomes.
- complement other regional initiatives and programs.
- support national development goals and strategies, e.g. SDGs, NDCs.

## Vision:

'A sustainable, climate resilient, productive and water secure region with shared benefits among States and communities.'

# Proposed framework for the Water Pillar

## CAREC Water Pillar



# Steps involved in developing initial activities

- Initial scoping studies
- Regional consultation
- Identification of priority investment and technical assistance initiatives
- Development of concept papers for further consultation
- Engagement with regional entities and development partners on institutional cooperation and co-financing arrangements
- Explore access to new funding modalities, e.g. climate finance

# Thank you!

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