Developing the CAREC Water Pillar

"Sustainable Water Governance and Management in Central Asia in Times of Growing Climate Uncertainty"

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Kazuhiro Yoshida, Senior Water Resources Specialist Malte Maass, Climate Change Specialist Jeremy Bird, TA consultants team leader

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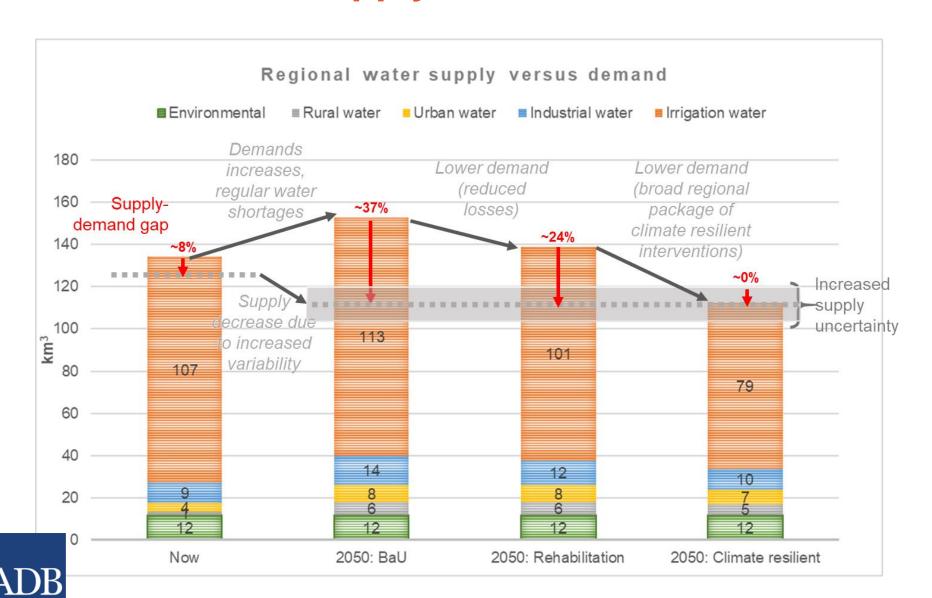








Water supply-demand scenarios





Policy challenges for water in Central Asia

- ☐ Reducing excessive demand for water and reducing waste and losses
- Discouraging use of water for low-value purposes and promoting more economically productive use of water
- Encouraging water savings, and enabling release of water for other beneficial use or for environmental needs
- ☐ Increasing cost recovery from water users for sustainable financing of water infrastructure and services
- Making water more attractive for private sector involvement including PPPs
- □ Policy coherence across sectors (e.g. agriculture, irrigation, energy, finance) with coordinated implementation from national to farm levels

SWOT analysis for water cooperation through CAREC

Strengths	Weaknesses
 Long history and high-level commitments to regional cooperation on water Strong national commitment to economic reforms Rich endowment of land and water resources High human resource potential Established CAREC cooperation platform 	 Limited skills in modern management approaches Sparse data collection and information sharing Degraded water infrastructure and low productivity Degraded natural environment Low numbers of women in water management Outdated regional agreements
Opportunities	Threats
 Improvements in geopolitical relations Global emphasis on climate adaptation, including funding for resilience and green economy projects Complementary water-energy benefits from regional inter-connection Potential markets for high value agriculture Potential for improved productivity and management by adopting of modern technology Potential for new renewable energy sources 	 Climate impacts are more extreme for some countries than others Increasing demand for water constrains regional cooperation and water for the environment Water quality deteriorates as economies grow Institutional barriers to cross-sectoral coordination Mistrust and lack of confidence in finding mutually beneficial solutions

Game changers – exploring future scenarios

Climate change impacts:

Increased uncertainty and variable flow regimes necessitate cooperation in the forecasting and allocation of water resources

Technological advances:

New technology including remote sensing and modern irrigation brings potential for more productive use of water and wider access to information

Agriculture liberalization:

More secure land tenure combined with high value agriculture and more commercial production methods offer **potential to reduce water demand**

Regional electricity interconnection:

Integration with South Asia electricity market leads to closer alignment of peak demand for hydropower generation with downstream irrigation needs

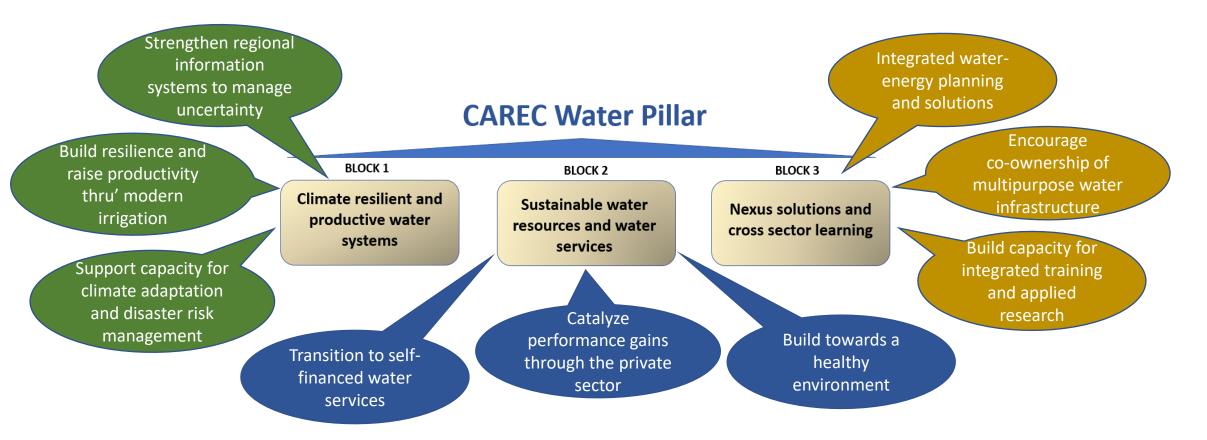
Transition to intermittent renewables:

Operation of upstream hydropower for grid stability to balance solar and wind production leads to more variable flow regimes downstream **requiring improved cross-sector dialogue**

Higher standard of living:

Raises expectations for service delivery performance and quality of life, including an improved environment

Selected activities proposed for the Water Pillar



From 'scoping' to 'implementation' and 'expansion' - the CAREC Water Pillar

Framework of Water Pillar

Feb 2022

March-April 2022

May-July 2022

Aug-Nov 2022

BLOCK 1

Climate resilient and productive water systems

BLOCK 2

Sustainable water resources and water services

BLOCK 3

Nexus solutions and cross sector learning

Detailed mapping of other regional programs

MISSION TO REGION

- Dialogue with CAREC country agencies
- Coordination with EC-IFAS on ASBP4 opportunities
- Complementarity with development partner programs

 Develop concept notes for 2-3 priority projects

- Regional consultation (June 2022)
- Develop institutional arrangements and implementation modalities
- Discuss key regional stakeholders for the expanded Water Pillar

Seek official endorsement for priority projects

Explore
opportunities for
expansion of CAREC
Water Pillar

