

Concept Proposal on:

Impact of Climate Change on Water Resources of Indus River System

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Background

- Abu Dhabi Dialogue started 2 decades ago on major river basins
- South Asian Water Initiative (SAWI)
- Singapore
- Quito

Objectives

- Understand impact of climate change on water cycle
- Consolidate knowledge on the water issues of Indus
- Strengthen coordination, knowledge sharing and working relationships among regional and global institutions
- Continuity of Research to synchronize with climate system dynamics
- Propose adaptation measures
- Prepare evidence based policy guidelines

Activities

- Selection of benchmark glaciers, installation of monitoring equipment, field measurements and study design
- Collection of indigenous knowledge through interviews and documentaries
- Analysis of recorded changes in climate and water cycle
- Geo data cube to monitor impacts of change
- Future climate projections with the finest possible resolution
- Impact assessment on winter and summer precipitation dynamics
- Development of indices on future climatic extremes

Contd....

- Expected variation in springs and rural water supply
- Seasonal changes in flow pattern and Peri-urban water demand change
- Education and training of graduates and young professionals

Governance

ICIMOD is expected to offer the Secretariat

Steering Committee (Advisory Role)

- 2 per basin country (one from public sector + one from academic) $2 \times 4 = 8$
- 3 international (IWMI, WB, ICIMOD)
- Total 11

Review Committee (Quality Review)

- Two independent Experts from the region
- Two international experts from reputed international institutions
- Total 4

Thank you

Protect the pulse

