



Upper Indus Basin Network

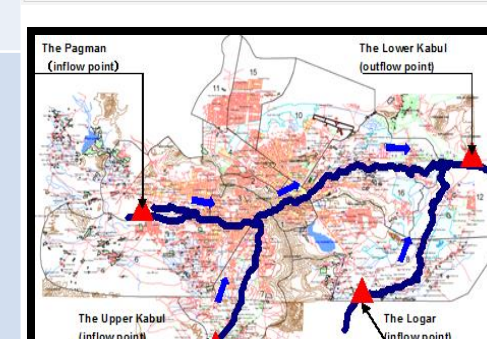
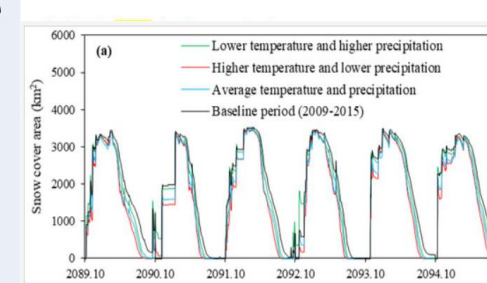
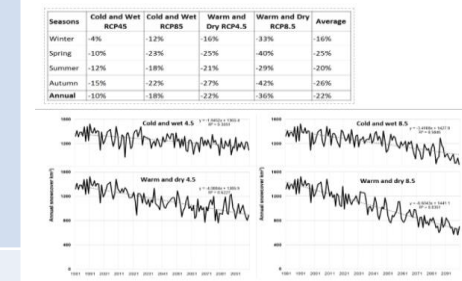
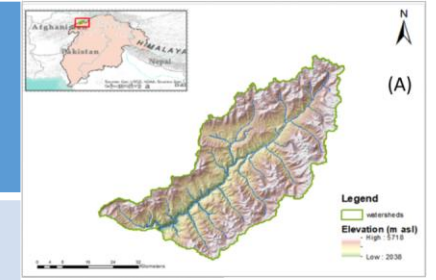
Country progress report

UIBN-Afghanistan Chapter

By M. Tayib Bromand

Progress of the 6 Technical working groups (TWGs)

TWG	R.Q	Activity	Result	Outcome
3	2	Future snow projection in the Panjshir catchment/ Upper Kabul Basin: A climate projection perspective	the result showed that the snow cover reduce and stream flow will increase in the spring season	Improved understanding of the snow cover sensitivity against increasing temperature
3	2	Impact assessment of climate change on snow distribution and snowmelt runoff of a snow dominated mountainous	the annual average snow cover area and river flow were projected to decrease in the mid and late 21st century	Improved understanding the snow sensitivity to increasing the temperature in the mountainous area of UIB
4	5	Research paper of Prof. Eqrar under the topic of (Addressing Groundwater Management Challenges of Kabul City) finalized to publish at ICIMOD journal	Develop strong regulatory framework to manage and protect GW resources of KC	Enhance the understanding of decision/policy maker on GW Quantity and Quality importance of KC



Progress of the 6 Technical working groups (TWGs)

TW G	R.Q	Activity	Result	Outcome
5	8	Installation of community based early warning systems in the Panjshir sub basin, SWaRMA-ICIMOD	Extension of CBFEWS in the Kabul River Basin for flash flood	Improved the resilience of vulnerable communities
3	2	One advanced climatological station installed in the glacialized catchment of Panjshir SWaRMA	Installation of advanced climatological station in Panjshir sub basin	Improved the understanding of the glacier melting in the mountainous area of UIB
4	5			



Progress based on intermediate results of UIBN

Afghanistan has elected its new coordinator from academic institution

New representatives from nodal ministries joined in the UIBN-AC as part of the network and lead and co-lead of the Technical working group. (1, 2)

A New office of UIBN-AC opened in the ANWERC (3, 4)

More scientific people and researchers joined in the UIBN-AC as part of the network



Progress based on intermediate results of UIBN

Research club established within the Afghanistan National Water & Environmental Research Center

New researchers and profs. Invited to conduct research and studies considering the TWGs

New research topics identified

First and second session conducted, leading by ANWERC Director



Future plans for the country chapter

- Scheduled two or three more (virtual) meetings through MoFA funded by EU on science and capacity building for hydro politics and technical staffs during 2021.
- Scheduled a Presentation of Research paper under the topic of (Addressing Groundwater Management Challenges of Kabul City) for social society association and media during 2021.
- A small grant incentives will be dedicated to UIBN-AC by Natural Resources Department (NRD) of MAIL to support the TWGs research group during 2021.
- Developing of 2-3 paper based research during 2021
- The proposed country chapter meeting will be organized monthly (venues/virtual) in ANWERC center

Future plans for the country chapter

- Leadership of the Afghansitan chapter seeking for research grants on determined topics in order to increase the researcher productivities
- **Expansion of UIBN-AC with four River Basin of Afghanistan and involvement of women in UIBN-AC**
- Communication is on going with technical and sectorial ministries and institutions to officially submit their research topics to the TWGs
- Discussing with India, China and Pakistan for long-term capacity building programme (MSc, PhD..)
- Contacting with Afghan researchers in abroad
- Conducting joint research projects in four working package with riparian countries



Thank you