



Summary of Outcomes and Recommendations

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Regional Capacity

| Existing Regional Capacities for Climate Services in the Third Pole Region | | | | | |
|--|---|---|---|---------------------------------|----------|
| Pillar/Sector | DRR | WATER | AGRICULTURE | HEALTH | ENERGY |
| UIP | RIMES | GWP-South Asia; ICID; IWMI; ICIMOD; Water-CSUFs at SASCOFs; RIMES; NIH | GWP-South Asia; ICID; IWMI; ICIMOD; IMD; CSUFs at SASCOFs | Health-CSUF at SASCOF; RIMES | |
| CSIS | IMD; ICIMOD; BIMSTEC; BCC | IMD; RIMES; BIMSTEC; BCC | IMD; ICIMOD; BCC | IMD; BCC | IMD; BCC |
| OBS | NMHSs; Space Agencies; Env Agencies; Water Agencies, Research Observations | | | | |
| RMP | IITM, RCC Pune; CMA; BIMSTEC center for weather and climate; NOC Goa; CWC | | | | |
| CAP DEV | WMO RTC Pune (IMD, National Water Academy), RTC Delhi; RTCs CMA; IIT Roorkee; BIMSTEC; ICIMOD | | | | |

Gaps by Pillar

- UIP: Mapping of stakeholders and Interaction among them; communication with users and at grassroots level
- CSIS: Several RCCs exist in the Region which cover several countries in the Third Pole; limited GPCs skills over HKH
- Observations: Gaps in observation networks (particularly cryosphere), lack of engagement with GCW, data exchange restrictions
- Research: Outreach; cross-sectoral linkages and interfaces with stakeholders; engagement of WCRP; lack of national research capacities – except few; forecasting capacity
- Capacity Development: Disparity in capacities in the Region; Technical capacity of staff at NMHSs (i.e. cryospheric watch); insufficient staffing of NMHSs; Awareness and Capacity of users; insufficient communication systems

Opportunities and Ideas to enhance interaction among stakeholders

- RCOF for Third Pole Region and CSUFs at RCOFs;
- NCOFs and NFCSSs;
- Share lessons learnt from other countries implementing NFCS (Bhutan, China etc) & twinning arrangements;
- Seize opportunities in ongoing projects (i.e. PPCR Nepal, EC Canada project).

Opportunities and Ideas for CSIS

- RCC Network for Third Pole learning from ongoing efforts to establish Arctic Polar RCC network (survey, concept note, implementation plan, demo phase, RCOF)

Opportunities and Ideas to enhance HKH observations

- Linkage with GCW;
- Space based observations;
- Sustainability of observations should be ensured with support from countries in the region i.e. China
- WIGOS implementation
- Unmanned vehicles and volunteer observations;
- Repository for data (BIMSTEC);
- High resolution reanalysis



Opportunities in the research

- WCRP GEWEX - CLIVAR Monsoon Panel;
- CLIVAR Project Offices (China, India);
- New possible activities in the Region under GEWEX (Land surface and hydrology).

Opportunities and Ideas for Capacity Development

- Lessons learnt sharing;
- Gender inclusive CD (supply and demand);
- WMO RTC;
- RCOF training of providers and users;
- RCC training for NMHSs;
- Look at ongoing projects to meet infrastructural needs;
- WMO Guidance on Institutional Capacities.

Sectors' Perspectives

- DRR: Flash Flood EWS for Bhutan (building on Regional FFGS)
- Agriculture: Delivery of CS for maize in East Bhutan (could build on IMD example)
- Water: Development of CS for the water sector (could link with the DRR project)
- Health: Health Risk Management System (Climate impact on vector-borne diseases) for Nepal, Mongolia, North India, Myanmar
- Energy: CS for hydropower sector in East Bhutan
- Gaps to be identified (data, etc) as annex of the Implementation Plan
- *Note: Perspectives of the countries not represented at the meeting (China, Pakistan, Kyrgyzstan) need to be captured*

The way forward

Next Steps

- Create a Steering Group\Task Team (ToRs to be developed)
- Draft Report and Recommendations
- Develop an Implementation Plan for the Region (including gaps identification, looking at sustainability)
- Flesh out Pilot projects (include tourism sector)
- Link with EC-PHORS services task team, GCW
- Work towards establishment of the BCC network and BCOE for Third Pole





Thank you for your attention