



Regional Stakeholder Consultation on Climate Services for the Third Pole Region

Holiday Inn Jaipur City Centre, Jaipur, Rajasthan, India

9-11 March 2016

Agenda

Day 1: 9 March 2016, Wednesday		
09:00 – 10:00	REGISTRATION	
SESSION I	Inauguration Session	
10:00 – 10:05	Welcome	Dr S D Attri, DDGM (O), IMD, New Delhi
10:05 – 10:15	WMO Statement	Dr R K Kolli, WMO Secretariat
10:15 – 10:25	GFCS Statement	Dr V. Grasso, GFCS Office
10:25 – 10:40	Address	Dr. L.S. Rathore, Director General of Meteorology, IMD and PR of India with WMO
10:40 – 10:55	Inaugural Address	Dr. M. Rajeevan Secretary, Ministry of Earth Sciences Chairman, ESSO and Earth Commission
10:55 – 11:00	Vote of thanks	Mr Anand Sharma, DDGM, RMC, New Delhi
11:00 – 11:30	Group Photo; Health Break	
11:30 - 12:00	Overview of Global Framework for Climate Services	Dr L S Rathore Co-Vice Chair of IBCS
SESSION II	Provision and application of climate services in the Third Pole region: opportunities and challenges Chair: Dr M Rajeevan Rapporteur: Ms Jambay Choden	
<i>Description: Review the services that are currently being provided to the region by various institutions, and discuss lessons learned on development of and applications of climate services with a special focus on High Mountain regions</i>		
12:00 - 13:00	Overview of current status of climate prediction and climate services in the region (presentations by regional institutions, followed by open discussion) <ul style="list-style-type: none"> • Dr D S Pai, IMD: RCC (Demonstration Phase): • Dr G Srinivasan, RIMES: Translating Climate Information into Climate Services: • Mr. Avinash Tyagii, ICID: Requirements of climate services in South Asian Region: A GWP Perspective : 	

	<ul style="list-style-type: none"> • Mr Sagar Bajracharaya, ICIMOD: Overview of current status of climate services in the Hindu Kush Himalaya (HKH) region • Dr. S C Kar, BIMSTEC, India: BIMSTEC Centre for Weather & Climate
13.00 - 14:00	Lunch
SESSION III	National capabilities for production, management, delivery and/or application of climate information and services Chair: Dr Wolfgang Grabs Rapporteur: Mr Hla Tun
Description: Review the current status of countries' capabilities to develop and use climate services, future perspectives and their expectations from the GFCS. (One presentation for each NMHS, addressing operational aspects of climate services - both capabilities and needs, with a focus on the Third Pole region relevant to the concerned country).	
14:00– 16:00	Country presentations (10 minutes each) <ul style="list-style-type: none"> • Afghanistan: • China (Dr. S D Attri) • India (K Ghosh) • Kyrgyzstan • Mongolia (Batdorj) • Myanmar (HlaTun) • Nepal (Baidya) • Pakistan • Tajikistan (Tagoybekov) • Uzbekistan (Natalaya)
16:00 – 16:30	Health Break
16:30 – 17:00	Bhutan case study: provision and use of climate services: Mr Tayba Buddha Tamang
17:00 – 17:30	Open Discussion <i>Common national priorities and regional cooperation for climate services improvement, keeping in view the special needs of the Third Pole region</i>
END OF DAY 1	
Day 2: 10 March 2016, Thursday	
SESSION IV	GFCS priority sectors: current status of the use and needs for climate services and interfacing mechanisms Chair: Dr R K Kolli Rapporteur: Ms Jambay Choden
Description: Discuss user needs for climate services in the GFCS priority sectors as well as in other sector(s) of critical importance to the Third Pole region. International experts will lead the discussion through brief sector-specific presentations (~20 min), followed by national sector stakeholders (~10 min) and concluding with a plenary discussion of all sectors..	
09:00 – 09:50	Agriculture and Food Security <ul style="list-style-type: none"> • Dr Yahya Abawi: University of Southern Queensland, Australia: Climate and Agriculture – Key Challenges and Opportunities • Dr N. Chattopadhyay, IMD : Current status of the use and needs for climate services and interfacing mechanisms • Dr Shree Ram Ghimire, Nepal: Delivery and Application of Climate Services in Agricultural Sector
09:50– 10:40	Water <ul style="list-style-type: none"> • Dr Grabs Wolfgang, German Federal Institute of Hydrology: Water in the third pole region in the context of the Global Framework for Climate Services (GFCS) • Mr Zin Than Kyaw, Myanmar: Implementation by Directorate of Water Resources and Improvement of River Systems (DWIR) in Myanmar

10:40 – 11:10	Health Break
11:10 – 11:30	Health <ul style="list-style-type: none"> • Dr D.R. Pattanaik, IMD: Climate and health
11:30 - 12:00	Disaster Risk Reduction <ul style="list-style-type: none"> • Mr Anand Kumar Sharma, IMD: Disaster Risk Reduction: Kedarnath Case • Mr Maung Maung Win Tin: Hazards in Myanmar • Ms Nyamjantsan Baljinnyam, Mongolia: Disaster Risk Reduction in Mongolia
12:00 - 12:20	Energy <ul style="list-style-type: none"> • Mr B. Mukhopadhyay, IMD: Scope of Climate Services for the Energy Sector
12:20-13:00	Plenary discussion
13:00 – 14:00	Lunch
SESSION V	The Cryosphere Chair: Mr Karma Tsering Rapporteur: Dr Arvind Srivastava
<i>Description:Discuss the unique role of the cryosphere, its variability and change in the Third Pole region, along with the associated regional and global impacts, particularly highlighting the aspects of the cryosphere to be covered by the climate services.</i>	
14:00 – 15:00	Observation of the cryosphere and the Global Cryosphere Watch (GCW) <ul style="list-style-type: none"> • Mr Sagar Bajracharaya, ICIMOD, Nepal: Observation of cryosphere • Dr Peter van Oevelen, GEWEX: GEWEX Activities and Observations in the Hindu Kush Himalayan Region • Ms Jambay Choden, Bhutan: Cryosphere Observation in Bhutan
15:00 – 15:30	Impacts of changes in the cryosphere on agriculture and food security; water; health; disaster risk reduction; renewable energy <ul style="list-style-type: none"> • Mr Ram Boojh, UNESCO Cluster Office for South Asia, New Delhi: UNESCO's Experience of Addressing Climate Impacts, Adaptation and Vulnerability in Mountain Systems • Dr Parmanand Sharma, NCAOR, India: The changing Himalayan cryosphere and likely consequences
15:30 – 16:00	Health Break
16:00 – 16:30	Applications of cryospheric data: <ul style="list-style-type: none"> • Dr Pankaj Kumar, IISER Bhopal, India: Identifying climate information needs for Himalayan India
16:30 – 17:00	Panel discussion: requirements and challenges in providing climate services for the cryosphere: All session presenters
END OF DAY 2	

Day 3: 11 March 2016, Friday		
SESSION VI	The GFCS Pillars: Developing climate services at the national level Chair: Mr B. Mukhopadhyay Rapporteur: Dr O P Sreejit	
09:00 – 09:10	User Interface Platform	Dr G Srinivasan
09:10 – 09:20	Climate Services Information System	Dr R.K. Kolli
09:20 – 09:30	Observations and Monitoring	Dr S.C. Kar
09:30 – 09:40	Research, Modelling and Prediction	Dr Peter van Oevelen
09:40 – 09:50	Capacity Development	Dr Yahya Abawi
09:50 – 10:00	Plenary discussion	
10:00 – 10:30	Health Break	
SESSION VII	Breakout Group Discussions on GFCS priority sectors	
<p>Description: Each of the sectoral groups will select a lead/moderator and a rapporteur. For each sector, the breakout group discussion will address the following aspects relevant to the Third Pole region:</p> <ul style="list-style-type: none"> • The types of climate services you currently access and use, including any good practices • The needs for climate services in the priority sector; • Challenges in accessing and using climate information and services • Collaboration and opportunities for synergies <p>The findings/recommendations from sectoral group discussions will be presented (10 mins each group) at plenary Session VIII.</p>		
10:30 – 12:00	Breakout group discussions	
SESSION VIII	Strengthening the interaction between the climate community of the Third Pole region and the climate information user communities Chair: Dr. G. Srinivasan Rapporteur: Ms Lisa-Anne Jepsen	
12:00 – 13:00	Presentations from break-out discussions	
13:00 – 14:00	Lunch	
SESSION VIII (cont.)	Strengthening the interaction between the climate community of the Third Pole region and the climate information user communities Chair: Dr G. Srinivasan Rapporteur: Ms Lisa-Anne Jepsen	
Description: Plenary discussion on Implementing GFCS in the Third Pole region: the way forward		
14:00 – 15:30	<ul style="list-style-type: none"> • Strengthening the interaction between the climate community of the Third Pole and other high mountain regions, and the climate information users communities • Developing climate services for the Third Pole and other high mountain regions • Operationalizing the GFCS at the regional and national level: definition of institutional arrangements, partnerships and processes 	
15:30 – 15:45	Key outcomes, recommendations and next steps <ul style="list-style-type: none"> • Dr Veronica Grasso, GFCSO 	
15:45 – 16:00	Concluding remarks and closure <ul style="list-style-type: none"> • Dr G. Srinivasan, RIMES • Dr R K Kolli, WMO 	

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| | <ul style="list-style-type: none">• Dr S.D. Attri, IMD |
| END OF CONSULTATION | |