EPICC – East Africa Peru India Climate Capacities: Second Stakeholder Workshop

16th-17th September 2019 at Magnolia Hall, India Habitat Centre, New Delhi

Tentative Agenda (As on Sept03, 2019)

About the Project:

This project is part of the International Climate Initiative (IKI). The Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU) supports this initiative on the basis of a decision adopted by the German Bundestag. The Potsdam Institute for Climate Impact Research (PIK) is leading the execution of the project together with its project partners The Energy and Resources Institute (TERI), based in New Delhi and the Deutscher Wetterdienst (DWD; German Meteorological Service), based in Hamburg.

The overarching goal of this project is to strengthen resilience against disruptive weather phenomena and climate change at national, regional and local level in three partner countries: India, Peru and Tanzania. This project provides an opportunity for the partner countries to reduce the gap between climate research and its application in policy, business and societal decisions, particularly regarding agriculture, hydrology and water resources, and migration.

Consequently, the project aims to identify on a collaborative basis how climate information can be tailored to national needs. For instance, how can information from climate scenarios and seasonal prediction models be put to use for agricultural management? Or how can climate hotspot maps support strategies to reduce vulnerability to climate stressors?

The project encompasses five modules that will be further developed with respect to needs and capacities of local partners.

Day 1, 16th September 2019	
9:30 – 9:55	Registration
10:00 – 11:00	**Inaugural Session**
10:00 – 10:05	**Welcome Address** by **Dr. Ajay Mathur**, Director General, TERI
10:05 – 10:15	**Inaugural Address** by **Dr. M. Mohapatra**, Director General of Meteorology, India Meteorological Department, Government of India
10:15 – 10:25	**Special Address** by Senior Representation, Embassy of the Federal Republic of Germany
10:25 – 10:45	**Invited Lecture** by **Prof. Hans Joachim Schellnhuber**, Director Emeritus, Potsdam Institute for Climate Impact Research, Germany
10:45 – 10:55	**Special Remarks** by **Prof. Ramaswamy**, President (2016-2018) Indian Academy of Science
10:55 – 11:00	Update on the EPICC Project by **Kira Vinke**, Project Lead of EPICC
11:00 – 11:30	Tea Break

11:30 – 13:30	**Session I: Climate & Monsoon**
The project aims to provide the stakeholders with a long-term forecast of the onset and withdrawal of the Indian Summer Monsoon for the central part of India. The long-term forecast is 40 days in advance for the onset date and 70 days in advance for the withdrawal date. We have already published this year's monsoon forecast and disseminated it in Indian media for better-informed decisions at various levels from the farmers' fields to governmental institutions. TERI aims to produce new knowledge and information at sub-regional scales over India specific to different climate sensitive sectors to assist decision makers and stakeholders in better planning for the future.	
	Chair: Prof. S.K. Dash, President, Indian Meteorological Society
Talk 1 (25 min.) + 5 min. Q&A	**Climate impacts studies towards regional policy making** Dr. Akhilesh Gupta, Advisor & Head, Climate Change Program, Department of Science & Technology
Talk 2 (25 min.) + 5 min. Q&A	**Forecasting Monsoon for Central India in 2019: Evidence from Observations** Prof. Elena Surovyatkina, Senior Scientist, PIK
Talk 3 (25. min.) + 5 min. Q&A	**IMD** perspective on Seasonal forecast for India: Current issues and future plans Dr. D.S. Pai, Sc-F & Head CRS, IMD
13:00 – 13:30	Discussion on Climate and Capacity Building moderated by Prof. Elena Surovyatkina
13:30 – 14:30	Lunch Break

14:30-16:45	**Session II: Climate & Hydrology**
In this session we will introduce the DWD Seasonal Forecasting System which has the potential to provide the operational basis for climate services covering the needs of the agricultural and hydrological sector. The hydrological work package of the project aims to apply the SWIM eco-hydrological model (Soil and Water Integrated Model) to support local capacities in sustainable planning within the water sector. This package will analyse and assess climate impacts on the water resources availability and water infrastructure (reservoirs) in the Godavari River Basin, as well as test the possibility to provide the short- and medium-term discharge forecasts during the monsoon period applying the weather forecasts coupled with predictions of the onset of monsoon.	
	Chair: Sh. Nikhilesh Jha (IAS), Former Mission Director, NWM
Talk 1 (25 min.) + 5 min. Q&A	**Seasonal Forecast for Climate Services** Dr. Lydia Dümenil Gates, German Meteorological Service (DWD)
Talk 2 (25 min.) + 5 min. Q&A	**Climate change impacts on water resources in India** Prof. Vimal Mishra, IIT Gandhinagar

Talk 3 (25 min.) + 5 min. Q&A	**SWIM Modelling of the Godavari River Basin: discharge forecasts and climate impact modelling** **+ Links to the ISI-MIP Project** Dr. Anastasia Lobanova, Hydrologist, PIK
16:00 – 16:45	Discussion on Climate, Hydrology and Capacity Building
16:45 – 17:00	Tea Break

Day 2, 17th of September 2019	
10:00 – 11:30	**Session III: Climate & Agriculture**
The project assesses real-time crop loss assessment towards immediate insurance payouts to the farmers. With the help of real-time weather, global gridded datasets, remote sensing and biophysical crop modelling, we aim to provide information of crop yields and crop failures incurred by weather events, to the government/ insurance companies. We will be able to provide information on crop yield and crop failures immediately after the harvest at high spatial resolution. This objective aims at transferring climate risks as an immediate compensation.	
	Chair: Sh. Kalyan Chakravarthy, Director General, EPTRI
Talk 1 (15 min.) + 5 min. Q&A	**Emerging trends on Agriculture Economics** Dr. Girish Kumar Jha, Principal Scientist, IARI tbc
Talk 2 (15 min.) + 5 min. Q&A	**A private sector view on Agro-Insurances** Mr. Jatin Singh, Founder & Managing Director, Skymet India
Talk 3 (10 min.) + 5 min. Q&A	**A sustainable implementation of crop insurances in India supported by crop modelling** Dr. Christoph Gornott, Scientist, PIK & Ponraj Arumugam, PhD, PIK
10:55 – 11:30	Discussion on Agriculture and Capacity Building
11:30 – 12:00	Tea (High tea)

12:00 – 13:30	**Session IV: Climate & Migration**
The project will analyse the interactions of climate impacts with migration dynamics and human security. These include the identification of climate change-influenced migration patterns especially in Uttarakhand and the situation of populations affected by climate impacts, but unable to move. Of particular relevance are effects on rural-urban migration routes. The information generated will be tailored to support political decision-making processes for adaptation planning.	
	Chair: Dr. Debolina Kundu, Associate Professor, National Institute of Urban Affairs, GoI
Talk 1 (10 min.) + 5 min. Q&A	TITLE tbc Mr. R. N. Jha, IFS, Uttarakhand State Climate Centre tbc
Talk 2 (10 min.) + 5 min. Q&A	**Recognition and marginality in India's Urban climate change landscape** Dr. Kavya Michael, Associate Fellow, TERI
Talk 3 (10 min.) + 5 min. Q&A	**Why Some People Migrate and Some Stay In Response To Climate Change: The Case Of The Indian State Of Uttarakhand** Himani Upadhyay, PhD, PIK
Talk 4 (10 min.) + 5 min. Q&A	TITLE tbc Prof. P.K. Joshi, School of Environmental Sciences, JNU tbc
13:00 – 13:30	Discussion on Migration and Capacity Building
13:30 – 13:45	Closing Remarks: **Prof. Hans Joachim Schellnhuber, Director Emeritus, PIK**