

EPICC – East Africa Peru India Climate Capacities: Kick-Off Workshop

1st & 2nd of November 2018 at Magnolia Hall, India Habitat Center New Delhi

Agenda

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, 1st November 2018

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. K. J. Ramesh, Director General, India Meteorological Department, Ministry of Earth Sciences, Gol
10:15 – 10:25	Special Address by Dr. Jasper Wieck, Deputy Chief Of Mission, Embassy of the Federal Republic of Germany
10:25 – 10:35	Special Remarks by Mr. Ashish Chaturvedi, Director-Climate Change, GIZ-India
10:35 – 10:45	Introduction of the EPICC Project by Kira Vinke, Project Lead EPICC
10:45 – 11:00	Tea Break



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11:00 – 13:30

Session I: Climate

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.

11:00 – 13:30

Chair: Dr. Ajit Tyagi, Former Director General, IMD

Talk 1 (10 min.)
+ 5 min. Q&A

Climate Science: Research to action

Dr. Akhilesh Gupta, Advisor & Head, Climate Change Program, Department of Science & Technology

Talk 2 (10 min.)
+ 5 min. Q&A

Climate change over India: IMD perspective

Dr. S.D. Attri, Dy Director General of Meteorology, IMD

Talk 3 (10min)

India and Extreme Climate

Saurabh Bhardwaj, Fellow and Area Convener, TERI

Talk 4 (25 min.)
+ 5 min. Q&A

Monsoon forecast for central India, its impact and prospectives

Prof. Dr. Elena Surovyatkina, Senior Scientist, PIK

12:10 – 13:30

Discussion on Climate and Capacity Building moderated by Dr. Holger Hoff and Kira Vinke

13:30 – 14:30

Lunch Break

14:30-17:00

Session II: Agriculture

The project assesses long-term cultivation risks as well as short to medium term yield prospects for agricultural crops to support the decision-making of agricultural and political stakeholders. Through a seasonal forecasting system, the agricultural impact model will provide information of crop yields and crop failures incurred by weather events either in the immediate aftermath or even before the occurrence of such an event. This system will support the implementation of crop insurances and will enable farmers – informed by ministries and farmers' associations – to adjust their agronomic management practices in order to minimize the scope of weather-related crop losses. This objective aims at increasing farmers' capacities to cope with climate change risks.

14:30 – 17:00

Chair: Dr. Vibha Dhawan, Distinguish Fellow and Senior Director, TERI

Talk 1 (15 min.)
+ 5 min. Q&A

Crop forecasting and Crop Insurance

Dr. Shibendu S. Ray, Director, Mahalanobis National Crop Forecast Centre



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Talk 2 (15 min.) + 5 min. Q&A	Climate Variability and Crop Production: Evidence and Management using Geo-spatial Technologies Dr. Vinay Kumar Sehgal, Professor and Principal Scientist Indian Agricultural Research Institute, ICAR
Talk 3 (15 min.) + 5 min. Q&A	How can agricultural modeling support coping with climate change Dr. Christoph Gornott, Scientist, PIK
15:35 – 17:00	Discussion on Agriculture and Capacity Building moderated by Dr. Holger Hoff and Kira Vinke

Day 2, 02nd of November 2018

Session III: Migration	
10:00 – 12:20	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 as well as possible conflicts between nomadic cattle herdsman and sedentary farmers. 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.
10:00 – 12:20	Chair: Dr. Debolina Kundu, Assoc. Professor, National Institute of Urban Affairs, Gol
Talk 1 (10 min.) + 5 min. Q&A	Emerging Trends in Labour Migration in India and Linkages with Climate Change Dr. Benoy Peter, Executive Director, Centre for Migration and Inclusive Development
Talk 2 (10 min.) + 5 min. Q&A	Examining Vulnerability in a Dynamic Urban setting: A Case of Bangalore's Interstate Migrant Waste pickers Dr. Kavya Michael, Associate Fellow, TERI
Talk 3 (10 min.) + 5 min. Q&A	Exploring the nexus between climate change and migration in India Himani Upadhyay, PIK
10:45 – 12:20	Discussion on Migration and Capacity Building moderated by Dr. Holger Hoff and Kira Vinke
12:30 – 13:15	Lunch break



13:30 – 15:30

Session IV: Hydrology

The project aims to focus on user-oriented adaptation of the SWIM model (Soil and Water Integrated Model) to support local capacities in sustainable planning within the water sector. This module will analyse and assess climate impacts on the water sector. Here, the SWIM model will be adapted to partner countries' needs in cooperation with local contributors. More specifically, it will allow testing short- and medium-term predictions as well as long-term scenarios for water resources and for the water-energy-food nexus.

13:30 – 15:30

Chair: Dr. Nikhilesh Jha (IAS), Fmr Mission Director, National Water Mission, GoI

Talk 1 (10 min.)
+ 5 min. Q&A

Building Hydro-meteorological databases for improved hydrological modelling

Sh. P.V. Ramana Murthy, Director, A.P. State Development Planning Society, Planning Department, Vijaywada

Talk 2 (10 min.)
+ 5 min. Q&A

Climate change and Water resources management challenges in India

Dr. Renoj Thayyen, Scientist-D, National Institute of Hydrology, India

Talk 3 (10 min.)
+ 5 min. Q&A

Hydrological Modelling at PIK

Carlos Palomino, PIK

14:15 – 15:15

Discussion on Hydrology and Capacity Building moderated by Dr. Holger Hoff and Kira Vinke

15:15 – 15:30

Closing Remarks by Kira Vinke followed by tea



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