



U.S.-India Partnership for Climate Resilience Workshop on Climate and Health

October 23-24, 2018 | Tamarind Hall | India Habitat Centre, Lodhi Road, New Delhi

AGENDA

Day 1 (October 23th)

9:00 AM – 9:30 AM **Registration and Networking**

9:30 AM - 10:30 AM **Inaugural Messages**

- Dr. Ajay Mathur, Director General, TERI
- Dr. Balram Bhargava, Secretary (Health Research), MoH&FW
- Dr. John M Balbus, Senior Advisor, NIEHS
- Dr. Sujeet Kumar Singh, Director, NCDC

10:30 AM - 10:45 AM **Tea Break**

SESSION 1 – Climate and Health - A Broad Overview

Session Chair: Dr. John M Balbus, Senior Advisor for Public Health, NIEHS

10:45 AM - 11:00 AM **Future Climate Change and Implications in the context of the health and diseases**

- Dr. Kenneth Kunkel, NOAA (speak remotely)

11:00 AM - 12:00 PM **Current State of Health Impacts in India**

- Ms. Sujata Saunik, Former Principal Secretary, Government of Maharashtra (speak remotely)
- State Action Plan on Climate Change and Health- Dr. Ravindra Aggarwal, Addl. Director, DGHS, Delhi
- Dengue Cell in Delhi- Dr. S M Raheja, Addl. Director General (Public Health), DGHS, Delhi

12:00 PM - 12:30 PM **Discussion, Questions and Answers**

12:30 PM - 1:15 PM **Lunch**

SESSION 2 – Climate and Vector Borne Disease

Session Chair: Dr. Anand Krishnan, Professor, Centre for Community Medicine, AIIMS

1:15 PM – 2:30 PM **Relation of Vector Borne Disease to Temperature Changes**

- Climatic and ecological determinants of malaria distribution – Dr. R C Dhiman, Senior Consultant & Former Scientist 'G', NIMR & ICMR



- Can Meteorology Parameters Help Predict Malaria for developing an Early Warning System- Ms. Meena Sehgal, Fellow, TERI
- Developing Community based District Level Climate Based Early Warning System for VBDs in Delhi NCR – Process and Challenges Faced - Dr. Harshal K Salve, Assistant Professor, Centre for Community Medicine, AIIMS

2:30 PM - 2:45 PM **Discussion, Questions and Answers**

2:45 PM - 3:00 PM **Tea Break**

SESSION 3 – Climate and Urban Heat

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

3:00 PM – 4:15 PM **Health Impacts from Urban Heat**

- Climate Change and State Action Plan – Mr. Shwetal Shah, Technical Advisor – Climate Change, Government of Gujarat
- Impacts on Human health of Global Warming with specific reference to Urban Heat - Dr. S P Singh, Director, ASNRSD, Amity University
- Focus on Hill State and Plains and Intervention – Ms. Suruchi Bhadwal, Senior Fellow, TERI
- Heat Index – Dr. Gulrez Shah Azhar, Assistant Policy Researcher, RAND (speak remotely)

4:15 PM - 4:30 PM **Discussion, Questions and Answers**

SESSION 4 - Role of Health System in Building Resilience

Session Chair: Dr. Sanjiv Kumar, Chair of UCHAI; Former Executive Director, NHSRC

4:30 PM – 5:15 PM **Examples of Building Resilience**

- Heat Action Plan for Cities of India - Prof. Dileep Mavalankar, Director, IIPH-G
- Update of Government of India Initiatives in Area of Climate Change and Health - Dr. Aakash Shrivastava, Joint Director, NCDC
- Vulnerability Assessments - Dr. Nitish Dogra, Associate Professor, IIHMR

5:15 PM - 5:30 PM **Discussion, Questions and Answers**



Day 2 (October 24th)

- 8:45 AM – 9:00 AM **Registration**
- 9:00 AM - 9:30 AM **Opening remarks: "S&T Capacity Building in Climate Change & Human Health: Issues, Challenges and Way Forward"**
- Dr. Akhilesh Gupta, Head, National Mission on Strategic Knowledge for Climate Change (NMSKCC)
- 9:30 AM - 9:45 AM **Tea Break**
- 9:45 AM - 11:45 AM **Tools for citizen science and climate smart health systems:**
- Session Chair: Dr. John M Balbus, Senior Advisor, NIEHS and Dr. Bonolata Sen, Public Health Fellow, Sustainable Environmental and Ecological Development Society (SEEDS)*
- Climate application for health - a recent initiative taken in IMD– Dr. Somenath Dutta, Scientist 'F', IMD
 - Disaster risk reduction in health care institutions – Dr. Peniel Malakar, Head – DMMU, Emmanuel Hospital Association
 - Malaria Mapper – Dr. Desh Bandhu, President, Indian Environmental Society, Coordinator, GLOBE Asia-Pacific Regional Coordination Office
 - Climate e- tool- Mr. Omkar Oniel Khare, UNICEF, Maharashtra
- 11:45 AM - 12:00 PM **Discussion, Questions and Answers**
- 12:00 PM – 1:00 PM **Lunch**
- 1:00 PM – 1:30 PM **Methods for High Resolution Climate Modeling**
- Dr. Ashwini Kulkarni, IITM Pune
- 1:30 PM - 2:45 PM **Introduction to Using Downscaled Data**
- Dr. Katharine Hayhoe, Texas Tech University (Video presentation)
 - Dr. Andrew Ballinger, Climate Scientist, NCICS / NC State University
 - Jenny Dissen, Engagement Director, NCICS / NC State University
- 2:45 PM – 3:00 PM **Tea Break**
- 3:00 PM – 4:00 PM **Discussion, Q&A and Next Steps**
- Dr. Andrew Ballinger, Climate Scientist, NCICS / NC State University
 - Jenny Dissen, Engagement Director, NCCIS / NC State University
 - Meena Seghal, Senior Fellow, TERI
- 4:00 PM – 4:15 PM **Summarizing the Proceedings:** Dr John Balbus, Senior Advisor, NIEHS
- 4:15 PM – 4:30 PM **Vote of Thanks** - Dr. Sanjiv Kumar, Chair of UCHAI; Former Executive Director, NHSRC