



**Monell Auditorium
Columbia University, Lamont-Doherty Earth Observatory
61 Route 9W, Palisades, NY 10964**

Shared Experiences: 20 Years of Climate Services and Framing the Next Steps in the Research and Development for Climate Resilience

AGENDA

Tuesday, November 17, 2015

8:00 – 8:30 - BREAKFAST

8:30 – 9:00 – WELCOME & INTRODUCTION: Lisa Goddard (Host), Kathy Jacobs (Conference Chair)

9:00 – 9:10 – Opening Remarks: Jerry Lengoasa, Deputy Secretary-General, WMO (Read by Maxx Dilley)

9:10 – 10:30 – PANEL: 20 Years since the International Forum on Forecasting El Niño and Launching IRI (Moderated by Jim Buizer, University of Arizona)

- Michael Crow, President Arizona State University (via video)
- Mark Cane, Columbia University
- Mickey Glantz, University of Colorado
- Mike Hall, Retired NOAA.

10:30 – 11:00 – BREAK – (poster viewing)

11:00 – 11:30 – Implications of a large El Niño event on global economy and development. Jeff Sachs, Director, Earth Institute – Columbia University

11:30 – 11:50 – Update on 2015 El Niño event. Michelle L’Heureux, NOAA-Climate Prediction Center



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11:50 – 12:10 – Associated extreme climate impacts and their certainty. Adam Sobel, Columbia University

12:10 – 12:30 – ENSO modeling and prediction: Evolution and Outstanding Challenges. Lisa Goddard, CLIVAR-WCRP; IRI, Columbia University

12:30 – 13:30 – LUNCH (Lamont Hall)

13:30 – 14:00 – Overview structure of available ENSO information & coordination – from a WMO perspective. Maxx Dilley, WMO

14:00 – 15:00 – PANEL: Overview structure of available ENSO information and coordination Moderated by David Corcoran, formerly NYTimes Science Times)

- Zinta Zommers, UNEP
- Richard Choularton, WFP
- Sezin Tokar, USAID/OFDA
- Stewart McCulloch, WorldVision International.

15:00 – 15:30 – BREAK – (poster viewing)

15:30 – 17:00 – PANEL: Case Studies on current event information, plans as well as current and anticipated impacts. (Moderated by Simon Mason, IRI)

- Latin America: Rodney Martinez, Centro Internacional para la Investigación del Fenómeno de El Niño, Ecuador
- Peru: Ken Takahashi, Instituto Geofísico del Peru
- Caribbean: David Farrell, Caribbean Institute for Meteorology & Hydrology, Barbados
- Greater Horn of Africa: Guleid Artan, IGAD Climate Prediction & Applications Centre, Kenya
- India: Sulochana Gadgil, India Meteorological Department
- Philippines: Tony Lucero, Philippine Atmospheric, Geophysical and Astronomical Services Administration

17:00 – 18:20 – PANEL/Plenary Discussion: Messaging on El Niño – How do we inform the public (who informs what public), and what do they hear? How has this evolved over the last 10-20 years? (Moderated by David Herring, NOAA)

- Journalists in developing countries. Patrick Luganda, Network Climate Journalists in the Greater Horn of Africa
- Societal perceptions of forecasts and risk. Mickey Glantz, University of Colorado
- Communicating climate information. Eric Roston, Bloomberg News

END OF DAY — Cocktail Reception will begin at 19:30 PM at Columbia University Faculty House located at 64 Morningside Drive, New York, NY 10027. Entrance to the Faculty House is located on 116th St.



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Wednesday, November 18, 2015

8:30 – 9:00 – BREAKFAST

9:00 – 9:30 – El Niño and Global Change (Marc Levy, CIESIN, Columbia University)

9:30 – 10:50 - PANEL: Sectoral impacts of El Niño – What have we learned since 1997-98.
(Moderated by Roger Pulwarty, NOAA)

- Health: Madeleine Thomson, IRI
- Water: Upmanu Lall, Columbia Water Center, Columbia University
- Disasters: Carina Bachofen, Red Cross Red Crescent Climate Centre
- Energy: Alberto Troccoli, U. East Anglia

10:50 – 11:20 – BREAK – (poster viewing)

11:20 – 12:40 – PANEL: El Niño 2015 Response Strategy – what is or should be in place
(Moderated by Heidi Cullen, Climate Central)

- Seasonal fire early warning system: Rizaldi Boer, CCROM-SEAP
- Regional actions and support network: Jen Stephens, UNDP
- Food Security: Amir Abdulla, World Food Programme
- Insurance: Megan Linkin, SwissRe

12:40 – 13:40 – LUNCH (Lamont Hall)

13:40 – 15:00 PANEL: What is needed to evolve science towards increased societal benefit?
(Moderated by Francesco Fiondella, IRI, Columbia University)

- Climate: Simon Mason, IRI
- Process of developing climate services: Jim Buizer, University of Arizona
- Development Banks: Kanta Kumari, World Bank
- Social Sciences: Ed Carr, Clark University
- Agriculture: Andy Jarvis, CIAT

15:00 – 15:30 – BREAK – (poster viewing)

15:30 – 16:00 – WCRP/CLIVAR efforts to understand El Niño in a changing climate. Eric Guilyardi, IPSL-France

16:00 – 16:30 – The Intersection of El Niño and Climate Change – El Niño's contribution to 2015 global temperature. Kevin Trenberth, NCAR



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16:30 – 17:00 – El Niño, ecosystems for & carbon. Miguel Angel Pinedo-Vasquez, EICES, Columbia University; CIFOR

17:00 – 18:00 – PANEL: Young Scientists: exploring new ideas to connect research, the operational communities and the users: “reinventing climate services”
(Moderated by J. Michael Hall, Retired Director of NOAA’s Office of Global Programs)

- Teddy Allen (IRI)
- Ángel Muñoz (IRI)
- Aisha Muhammad (IRI)
- Roop Singh (IFRC Climate Centre)

18:00 – 18:30 – Concluding Perspective. Maxx Dilley, WMO.

18:30 – 18:45 – Wrap Up, Final Remarks. Kathy Jacobs and Lisa Goddard

Post-Summit discussion of the Organizing Committee: Synthesize key messages and agree on report structure.

