



Water and Climate Change in Africa

March 22 & 23, 2013

Smith Warehouse– Bay 4, C105 “The Garage”

114 S. Buchanan Blvd., Durham, NC 27701

March 22: Water, Sanitation, and Health in Africa (*World Water Day*)

Starting at 8:30 am	Check in opens
9:00 – 9:30 am	Welcome: <i>Marc Jeuland</i> (Duke) Introduction: <i>Randy Kramer</i> (Duke)
9:30 – 11:00 am	Session 1: “Water quality challenges” <ul style="list-style-type: none"> • Mapping geogenic contaminants globally and In Africa: <i>Annette Johnson</i> (EAWAG, Switzerland), presented by Tewodros Rango • Water quality and human health: <i>Julia Krauchanka</i> (Duke) • Global water challenges and the role of naturally occurring contaminants: lessons from the Middle East, Rift Valley in Eastern Africa, and the Mekong River Delta: <i>Avner Vengosh</i> (Duke) • Fluoride and arsenic removal technologies: <i>David Sabatini</i> (University of Oklahoma)
11:00 – 11:30 am	Break
11:30– 12:30 pm	Session 2: “Water Quality in the Rift Valley, Ethiopia” <i>Panelists:</i> Behailu Atlaw (Jimma University); Chris Paul (Duke); Tewodros Rango (Duke); David Sabatini (University of Oklahoma)
12:30 – 2:00pm	Lunch
2:00 – 2:45pm	Presentation 1: “The Economics of Poor Water and Sanitation in Africa: Current Estimates, Future Forecasts, and Policy Implications” <i>Dale Whittington</i> (UNC-Chapel Hill)
2:45 – 3:15 pm	Presentation 2: “Estimating the Global Health Damages from Climate Change in an Integrated Assessment Model: The Problem of Aggregation” <i>Michael Hanemann</i> (Arizona State University)
3:15 – 3:45 pm	Q&A. Facilitator: <i>Subhrendu Pattanayak</i> (Duke)
3:45 – 4:00 pm	Closing remarks: <i>Marc Jeuland</i> (Duke)
4:00 – 4:45 pm	Poster session: <i>Kelly Howard, Tewodros Rango, Julia Krauchanka, Brittany Merola</i>
5:00 – 7:00 pm	Public screening of <i>Last Call at the Oasis</i>

March 23: Water, Food Security, and Climate Change in Africa

Starting at 8:30 am	Check in opens
9:00 – 9:15 am	Welcome: <i>Erika Weinthal</i> (Duke)
9:15 – 9:45 am	Presentation 1: “Water, food security, and climate change in Africa” <i>Edward Carr</i> (University of South Carolina)
9:45 – 10:15 am	Presentation 2: “Climate information: a key contribution to public health adaptation to climate change in Africa” <i>Madeleine Thomson</i> (Columbia University)
10:15 – 10:45 am	Q&A. Facilitator: <i>Marc Bellemare</i> (Duke)
10:45 – 11:15 am	Break
11:15 – 12:00 pm	Session 1: “Applications” <ul style="list-style-type: none"> • “Climate variability and vulnerability to water-related disease: The case of cholera” <i>Mike Emch</i> (UNC-Chapel Hill) • “Technology and food security: Developing more drought-resistant food crops” <i>Mary Eubanks</i> (Duke)
12:00 – 1:30 pm	Lunch
1:30 – 2:45 pm	Session 2: “Modeling the effects of climate change on hydrological systems “ <p style="text-align: center;"><i>Panelists:</i> Gulilat Diro (ICTP, Italy); Wenhong Li (Duke); John Albertson (Duke); Sankar Arumugam (NCSU); Kara Smith (NCSU)</p>
2:45 – 3:00 pm	Break
3:00 – 4:15 pm	Session 3: “Social science perspectives on water institutions and food security” <ul style="list-style-type: none"> • <i>Cullen Hendrix</i> (College of William & Mary) • <i>Marc Bellemare</i> (Duke) • <i>Elizabeth Bryan</i> (IFPRI)
4:15 – 4:30 pm	Closing remarks: <i>Erika Weinthal</i> (Duke)
4:30 – 5:00 pm	Poster session: <i>Anna Alcaro, Tan Zi, Jing Tao</i>

Sponsored by the Duke Provost’s Office, the Africa Initiative, USAID, Nicholas School of the Environment, Nicholas Institute for Environmental Policy Solutions, the Duke Global Health Institute, and the Borderwork(s) Lab at the Franklin Humanities Institute