

# Climate Change and Impacts Downscaling Workshop

**Co-Chairs: Jenni Evans and Michael Mann**

**Planning committee: Michael Mann, Jenni Evans, Jose D. Fuentes, Matt Thomas, Rob Crane**

**Theme of the workshop:** *Broadly we are interested in downscaling relevant climate variables to tackle scientific problems related to climate change impacts on the three critical societal challenges of health, water and food. The goal is to provide information relevant to local communities in tropical Africa as they work to build societal resilience to climate change.*

**Workshop Goals:** Identify 2–3 focused problems at the cutting edge of these three themes and their interactions, whose time has come for in-depth scientific investigation. Build a common framework from which to develop fruitful collaborations on mutually interesting research initiatives. Begin fleshing out multi-institutional collaborative efforts and possible grant proposals around these.

## Guidelines for Attendees (REVISED)

### IN ADVANCE OF THE MEETING

We ask that each attendee provide us with

1. A concise (few lines to half page) statement of your key research that brings you to the workshop
2. **Research areas you're interested in exploring/pursuing through the workshop**
3. One or two your most relevant papers provided in pdf
4. **Your website address**, and
5. Identify potential sources/announcements for funding opportunities for collaboration with workshop participants or close collaborators.

We will upload all of this information to a workshop website.

### PRESENTATIONS

Now that we're trying to give everyone a chance to speak if they request, ***time is very limited for all presentations***. You can estimate the time you have by looking at the attached schedule and dividing 60 minutes (45 minutes for one session) by the number of folks in your group. Our goal is to inspire discussion, so we will enforce the discussion component of each session (please be courteous to your fellow speakers).

We ask presenters to build their talks around the following considerations

1. Provide the necessary basis of your work for building bridges across our specialties
2. This is when you can introduce themes/foci you are interested in exploring with this group
3. Remember that you will also have time to share your ideas and exhibits in the discussion sessions
4. Be specific with future research activities drawing from interdisciplinary interactions

### PARTICIPATION IN DISCUSSIONS AND BREAKOUTS

In addition to the presentations, everyone is welcome to bring short visuals or handouts to facilitate their participation in the open discussions. These might include very brief summaries of available and desired data products, research results or motivating studies for new initiatives.

## **WORKSHOP PROGRAM (REVISED)**

### ***Tuesday, August 27***

- 1:00 pm Transport from hotels as arranged (others allow 45 min from State College to Nature Inn)
- 3:00 pm *Check-in Nature Inn, Bald Eagle State Park*
- 4:00 – 4:30 pm Meeting introduction and overview (co-conveners Evans and Mann)
- 4:30 – 5:00 pm **Workshop Opening: Bill Easterling**
- 5:00 – 6:00 pm I. Challenges Relating to Regional Climate Modeling and Downscaling for Tropical West Africa (Crane, Gaye, Zhang, Jenkins)
- 6:00 – 6:45 pm II. Climate Change Impacts—Human Health (Thomas, Morse, King)
- 6:45 – 7:30 pm Opening Reception
- 7:30 – 9:00 pm *Dinner*

### ***Wednesday, August 28***

- 7:30 – 8:30 am *Breakfast*
- 8:30 – 10:30 am III. \*State of Climate and Impacts Science—Post-IPCC Fifth Assessment, New Initiative for Nigeria, START (Forest, Hewitson, Tschakert, Adegoke, Padgham)  
[\*Starred sessions are intended to include at least a half hour of discussion]
- 10:30 – 11:00 am *Coffee Break*
- 11:00 – 12:45 pm IV. \*Climate Change Impacts—Water, Food and Security (Fuentes, Easterling, Titley, Ziegler, Sultan)
- 12:45 – 2:00 pm *Lunch*
- 2:00 – 3:15 pm V. Societal Impacts – Observed versus modeled (Blanford, Salathe, Tschakert)
- 3:15 – 3:45 pm *Coffee Break*
- 3:45 – 5:30 pm VI. Discussion (Crane, Thomas): Intersections and opportunities; identify themes for morning breakout sessions
- 5:30 – 7:30 pm *Free Time*
- 7:30 – 9:30 pm *Dinner*

### ***Thursday, August 29***

- 7:30 – 8:30 am *Breakfast and Check-out*
- 8:30 – 8:40 am *Plan for the Day*
- 8:40 – 10:00 am Breakout session (2 – 4 groups): outline of specific initiatives, proposals or next steps
- 10:00 – 10:30 am *Coffee Break*
- 10:30 am – Noon VII. All Attendees (Evans, Mann): Strategies and opportunities for advancing the developing research agendas identified here
- Noon – 1:30 pm *Lunch*
- 1:30 pm **Workshop Closes; Transport to State College as pre-arranged**