

**IDAG 2012 Meeting
Boulder, February 1-3, 2012
NCAR ML, Damon Room**

IDAG members in attendance:

Chris Forest, (Penn State)
Daithi Stone (Lawrence Berkely Lab)
David Pierce (Scripps-University of California - San Diego)
Doug Nychka (NCAR)
Francis Zwiers (PCIC - University of Victoria)
Michael Wehner (Lawrence Berkeley Lab)
Myles Allen (University of Oxford)
Richard Smith (University of North Carolina - Chapel Hill)
Tim DelSole (COLA-George Mason University)
Xuebin Zhang (Climate Research Division, Environment Canada)
Claudia Tebaldi (Climate Central)

Guests:

Cecile Penland, Prashant Sardeshmukh, Gil Compo, Judith Perlwitz, Marty Hoerling,
Robert Portmann, Randall Dole (NOAA ESRL)
Haiyan Teng, Grant Branstator, Jerry Meehl, Melissa Bukovsky, Linda Mearns, Irina
Mahlstein, Ben Sanderson, Brian O'Neill (NCAR)
Geert Jan van Oldenborgh (KNMI, The Netherlands)
Dan Rowlands (University of Oxford, UK)
Hanquizi Wei (IAP, China)
Judy Hui Wan (Climate Research Division, Environment Canada)
?Michael Remple (Dept of Mathematics and Statistics, University of Victoria, Canada)
Hideo Shiogama, Tokuta Yokohata, Tomoo Ogura (National Institute for
Environmental Studies, Japan)

Sponsors:

Chris Miller (NOAA CPO)
Renu Joseph (DOE BER) not in attendance.

The meeting will start at 8:30 AM and end between 5:30 and 6:00PM on February 1
and 2. It will start at 8:30AM and end at 12PM on February 3.
Transportation from and back to the Millennium will be provided.

Group dinner on Thursday night at Zolo Grill (~7:00PM).

Agenda
(talks are 20 minutes, with additional 10 minutes for questions)

Day 1 (Wednesday)

8:30-9:00 Hanging out with coffee

9:00 Welcome (Claudia, Mike)

9:10 – 9:25 Daithi Stone: Update from IPCC AR5 WG2 w/Discussion

9:25 – 9:40 Myles Allen: Update from IPCC AR5 WG1 w/Discussion

9:40 – 10:05 Geert Jan van Oldenborgh: Update from IPCC AR5 WG1 w/Discussion

Observations

10:10 – 10:40 Xuebin Zhang: : On the adequacy of observational precipitation data for trend and D&A analyses.

10:40 – 11:00 Doug Nychka: Observations 2.0

11:00 – 11:15 Break

Extremes/Event Attribution

11:15 – 11:45 Francis Zwiers: Some updates on CMIP5 indices and temperature extremes D&A

11:45 -- 12:15 Prashant Sardeshmukh: Need for caution in interpreting extreme weather statistics (w/Cecile Penland and Gil Compo).

12:15 -- 12:40 Discussion time

12:40 – 1:45 Lunch

1:45 – 2:15 Daithi Stone: University of Cape Town/LBL attribution forecast for 2011.

2:15 – 2:45 Marty Hoerling: Physically-based attribution of the Western Russia and Texas heatwaves.

2:45 -- 3:15 Richard Smith: : More on the extreme events detection problem.

3:15 – 3:40 Break

3:40 – 4:10 Geert Jan: A first look at the possibility that climate change made flooding in Thailand more likely
4:10 -4:40 Claudia Tebaldi: SLR driven changes in return periods of extreme water levels.
4:40 – 6:00 Discussion about event attribution
6:00 Adjourn

Day 2 (Thursday)

8:30-9:00 Hanging out with coffee

9:00 Plans for the day (Claudia)

Regional Climate Change

9:10 – 9:40 Judith Perlwitz: Extreme Heat Wave Probability Conditioned by Blocking.
9:40 – 10:10 Chris Forest: Towards attribution of regional climate changes to SST patterns (w/Wei Li and Joe Barsugli).
10:10 --10:40 Irina Mahlstein: Perceptible changes in regional precipitation in a future climate.

10:40 -11:00 Break

11:00 – 11:30 Myles Allen: Are we stealing Congo's rain? Latest results from weatherathome.
11:30 – 12:00 Hideo Shiogama: On the linear additivity of forcing-response relationships for global and continental scales.
12:00 – 12:30 Discussion time

12:30 – 1:30 Lunch

1:30 – 2:15 Brian O'Neill: Detection of emission trends. Discussion

Separating sources of variability

2:15 – 2:45 Tim DelSole: Diagnosis of forced and unforced variability on continental scales
2:45 – 3:15 Grant Branstator: Contrasting Initial Value and Forced Decadal Predictability (w/Haiyan Teng).

3:15 – 3:30 Break

3:30 – 4:00 Jerry Meehl: How to understand internally generated variability of globally averaged temperatures in the context of a system being externally forced by anthropogenic GHGs.

4:00 – 4:30 David Pierce: Human-induced changes in the ocean in the CMIP5 models.

4:30 – 5:45 Discussion time

5:45 Adjourn

7:00 Dinner at [Zolo Grill](#) (walking distance from Millennium)

Day 3 (Friday)

8:30-8:45 Hanging out with coffee

Model weighting/evaluation

8:45 – 9:10 Chris Forest: Calibration of climate system properties incorporating uncertainties in surface and deep ocean temperature observations (w/Alex Libardoni).

9:10 – 9:35 Ben Sanderson: About model weighting.

9:35 -- 10:00 Tokuta Yokohata: Importance of structural diversity of climate model ensembles.

10:00 -10:20 Break

10:20 – 12:00 *Closed session:*

Discussion of work plan/Updates/Summary and Synthesis

12:00 The End

IDAG acknowledges Renu Joseph (DOE, BER) and Chris Miller (NOAA, CPO) for their programs' generous support. Many thanks to Loretta Quinn (JOSS, UCAR) for the meeting organization.