**Agenda – U.S. CLIVAR Hurricane Working Group Workshop**  
5-7 June 2013, GFDL, Princeton, NJ

**Wednesday, June 5th**

8:30am – *US-CLIVAR Hurricane WG: How we got here - where are we going?* Gabriel Vecchi

9:00am – *Characteristics of tropical cyclones in high-resolution models of the present climate*, by Daniel A. Shaevitz, S.J. Camargo, A.H. Sobel and the US CLIVAR hurricane working group.


10:00am – Coffee Break

10:30am – *Response of downscaled tropical cyclones to climate forcing: Results and interpretation*, by Kerry Emanuel.

11:00am – *Cluster analysis of explicitly and downscaled simulated North Atlantic tropical cyclone tracks*, by A.S. Daloz, Suzana J. Camargo, J. Kossin, K. Emanuel, and US CLIVAR hurricane working group

11:30am – *A comparison of observed and model-generated tropical cyclone climatologies using a spatial lattice*, by Sarah Strazzo, J.B. Elsner, T. LaRow, and M. Zhao

12:00pm – Lunch


1:30pm – *Warming sea-surface temperature raises the bar for tropical cyclogenesis*, by Jenni Evans


2:30pm – *On the relationship between potential intensity and CAPE*, by Stephen Garner
3:00pm – Coffee Break

3:30pm – Discussion

4:00pm – Dynamic hurricane prediction with the NCEP CFS CGCM, by Jae K. E. Schemm and L. Long

4:30pm – Uncertainties in future changes in tropical cyclone activity projected by multi-physics and multi-SST ensemble experiments, by Hiroyuki Murakami

5:00pm – Tropical cyclone characteristics in response to different cumulus convective activity in a high-resolution climate model, by Young-Kwon Lim and S. Schubert

6:30pm – 8pm: Reception at Salt Creek Grille with appetizers and beverages

Thursday, June 6th 2013

8:30am - Dynamical downscaling of tropical cyclone activity: An update on the use of the GFDL Hurricane model in multiple basins, by Thomas R. Knutson

9:00am – Tropical cyclone simulation and response to CO2 doubling in GFDL CM2.5 high-resolution coupled model, by Hyeong-Seog Kim, G. Vecchi, T.R. Knutson, T.L. Delworth, and M. Zhao.

9:30am - Tropical cyclone studies with a hierarchy of climate model resolutions from the UPScale project, by Malcolm Roberts, M. Mielinski, J. Strachan, P.L. Vidale, M.E. Demory, and R. Schiemann

10:00am – Coffee Break

10:30am – Hurricane simulations in a regional climate model, by R. Saravanan, C.M. Patricola and P. Chang

11:00am – Tropical cyclone simulations in the very high-resolution global climate models, Cheng-Ta Chen, T.-P. Tzeng, M. Wehner, Prabhat, and A. Kitoh

11:30am – Discussion

12:00pm – Lunch
1:00pm – *High resolution, multi-decadal tropical cyclone simulations using a variable-resolution general circulation model*, by Colin M. Zarzycki and C. Jablonowski

1:30pm – Results from the Community Atmosphere Model CAM5.1, by Michael Wehner, Prabhat, K. Reed, C.-T. Cheng, and D. Stone

2:00pm – *Tropical cyclone research with a global non-hydrostatic model*, by Kazuyoshi Oouchi

2:30pm – *Environmental control of tropical cyclone genesis in paleoclimate simulations*, by Robert Korty, S.J. Camargo and J. Galewsky

3:00pm – Coffee Break

3:30pm – *Intense precipitation events associated with landfalling storms in a warmer climate*, by Enrico Scoccimarro, S. Gualdi, G. Villarini, A. Navarra, and modelers of the US CLIVAR hurricane working group

4:00pm – *Sensitivity of tropical cyclone rainfall to different warming scenarios*, by D.A. Lavers, Gabriele Villarini, E. Scoccimarro, G.A. Vecchi and modelers of the US CLIVAR hurricane working group


5:00pm - Discussion

**Friday, June 7th, 2013**

8:30am – *Detection of tropical cyclones using a phenomenon-based cyclone tracking scheme*, by M. Horn, Kevin Walsh and A. Ballinger

9:00am – How well can we detect tropical cyclone tracks in the Reanalyses data, by Cheng-Ta Chen, T.-P. Tzeng, M. Wehner and Prabhat


10:00am – Coffee Break
10:30am – How well do global climate models simulate the variability of Atlantic tropical cyclones associated with ENSO? by Hui Wang, L. Long, A. Kumar, W. Wang, and J.-K. E. Schemm

11:00am – Isentropic analysis of hurricanes, by Agnieszka Mrowiec, O. Pauluis and F. Zhang

11:30am – Discussion

12:30pm – End of the workshop