



**Grantham Institute
for Climate Change**
An institute of Imperial College London

SYMPOSIA I: WATER ISSUES IN CLIMATE CHANGE

**April 3–5, 2013
UC San Diego, La Jolla, CA**

Organizers:

Henry Abarbanel, Joshua Graff-Zivin, UC San Diego
Juergen Kurths, Potsdam Institute for Climate Impact Research
Brian Hoskins, Grantham Institute for Climate Change

AGENDA

April 3, 2013

10:00AM-12:00 PM Pre-Symposium Issues Introduction for Students

- Richard Carson, UC San Diego
Economics of Water
- Newsha Ajami, Pacific Institute
Climate Change and California's Water Resources

1:45–3:15 PM Panel I: Science Topics

- Frank Wechsung, Potsdam Institute for Climate Impact Research
Adaptation Dilemmas found in Regional Climate Impact Studies for the Water Cycle in Germany and China
- Alexander Gershunov, Scripps Institution of Oceanography/UCSD
California Heat Waves and Humidity Under Climate Change
- Dieter Gerten, Potsdam Institute for Climate Impact Research
Water for Food under Global Climate Change: Scarcities and Opportunities

3:30–5:00 PM Panel II: Social Science/IR Topics

- Solomon Hsiang, Princeton University and UC Berkeley
Social Responses to Extreme Climatic Events
- Gordon McCord, UC San Diego
Implications of Climate Change on Malaria
- Wolfram Schlenker, UC Berkeley
Implications of Climate Change on Agriculture vis-à-vis Changes in Water Availability

April 4, 2013

PUBLIC SESSION (Weaver Room, Institute of the Americas)

9:00–10:30 AM

Panel I

- Max Auffhammer, UC Berkeley
Rainfall and Rice Yields in Asia
- Ariel Dinar, UC Riverside, Water Science and Policy Center
The Intersection of Climate Change, Water, and Transboundary Issues
- Brian Hoskins, Grantham Institute for Climate Change
The Role of Water in Large-scale Climate and Climate Change

10:45–12:15 PM

Panel II

- Inez Fung, UC Berkeley
Plant Water Use and Drought Resilience
- Newsha Ajami, Pacific Institute
Translating Water Science into Effective Public Policy
- Richard Somerville, Scripps Institution of Oceanography/UCSD
Modeling Changes in Precipitation Caused by Climate Change

12:30–2:00 PM

Lunch and Keynote:

Christine Kehoe, Executive Director, California Plug-in Vehicle Collaborative

2:00–3:30 PM

Panel III

- Jobst Heitzig, Potsdam Institute for Climate Impact Research
Bottom-up Formation of a Global Climate Coalition of Farsighted Strategic Players
- Alan Sweedler, San Diego State University
Desalination and the Water-energy Nexus in the Context of Climate Change

April 5, 2013

9:00–10:45 AM

UCSD-PIK-Grantham Session: Research Foci Going Forward

11:00 AM–12:30 PM Closing: Next Steps

- Juergen Kurths, Potsdam Institute for Climate Impact Research
Where We Go From Here