



GOTHAM International Summer School

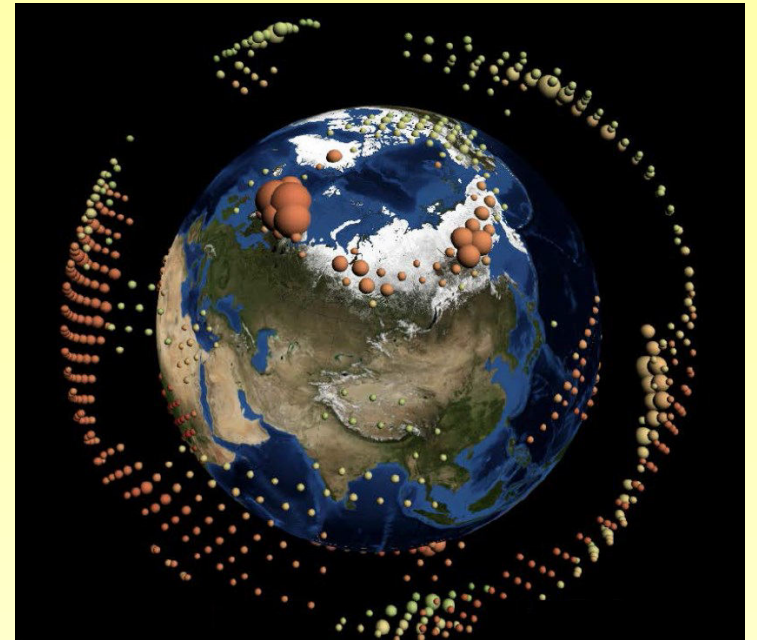
Global Teleconnections in the Earth's Climate System – Processes, Modelling and Advanced Analysis Methods

**18-22 September, 2017
PIK, Potsdam - Germany**

Organized by the Potsdam Institute for Climate Impact Research (PIK), the GOTHAM Summer School will train young scientists on a unique combination of interdisciplinary scientific topics and tools relevant for understanding teleconnections and their role in causing extreme weather events. The school comprises lectures as well as tutorial sessions by some of the world's leading experts in this field.

Specific topics include:

- Global consequences of extreme El Niños.
- Mid-latitude weather extremes and the role of tropical, extratropical and Arctic drivers.
- Stratosphere dynamics and stratosphere-troposphere interactions.
- Internal variability and external drivers of South and East Asian monsoon systems.
- Interactions between global teleconnection patterns.
- Data management skills and the use of citizen science platforms (climateprediction.net).
- Identification of teleconnections using complex systems or network methods.



Complex Network visualization by Thomas Nocke

Participation

The Summer School is intended to host 25 young researchers working in relevant topical areas, both from GOTHAM partners and external institutes. Registration is free-of-charge and accommodation expenses will be covered for all attendees. Limited funding is available to cover travel expenses of a few selected students. Application processes to be announced soon at the official website of the Summer School:

<http://cosy.pik-potsdam.de/gotham-school>

Organizers

Reik V. Donner (PIK)
Dim Coumou (PIK, VU Amsterdam)
Efi Rousi (PIK)*
Chiranjit Mitra (PIK)

*contact person: rousi@pik-potsdam.de

Confirmed Speakers

Scott Osprey, David Wallom, Sarah Sparrow
(University of Oxford, UK)
Shingo Watanabe (Japan Agency for Marine-Earth
Science and Technology)
Francois Lott, Eric Guilyardi
(Institut Pierre Simon Laplace, France)
Krishnan Raghavan, Ramehsh Vellore
(Indian Institute of Tropical Meteorology)
Bo Wu (Institute of Atmospheric Physics, China)

