

## **Seeking a PhD student to study connected hydroclimate extremes in UCLA's Institute of the Environment and Sustainability**

We are seeking a highly-motivated PhD student to join UCLA's Institute of the Environment and Sustainability (IoES) to study the spatial and/or temporal connectedness of hydroclimate extremes. Funding for this PhD position comes from a joint award to UCLA and the National Center for Atmospheric Research (NCAR) from the National Science Foundation (NSF) program Prediction of and Resilience against Extreme Events (PREEVENTS). This unique opportunity to pursue a fully-funded PhD in a diverse, highly interdisciplinary setting at UCLA will be open to applicants during the autumn 2019 University of California application cycle.

The successful applicant will enroll in the IoES doctoral program and pursue research focused broadly on hydroclimate extremes. The overarching goal of the funded NSF project is to mitigate adverse societal impacts of floods and droughts in the United States through understanding 1) the physical mechanisms through which extreme meteorological events are connected in a spatial and or/temporal sense, and 2) how these connections, as well as possible Earth system precursors, might yield enhanced predictability of disruptive events and/or more accurate forecasts—particularly in a warming climate. The PhD student will be strongly encouraged to apply their research to societally-relevant questions and/or engage in science communication activities.

The successful applicant will be co-advised by two IoES faculty members, and will also receive extensive mentorship from scientists at NCAR. There will be fully-funded opportunities to travel to Boulder, Colorado each year to facilitate collaboration with NCAR scientists, as well as to travel to scientific conferences.

To be considered, you must apply by **December 15, 2019**. Please be sure to mention NSF PREEVENTS in your application. Applicants are encouraged to contact Daniel Swain ([dlswain@ucla.edu](mailto:dlswain@ucla.edu)) with specific questions about the NSF-funded PhD position. For more general questions regarding IoES and/or the PhD program application process, please visit: <https://www.ioes.ucla.edu/phd/how-to-apply> or contact Graduate Program Administrator Harrison Levy ([hlevy@ioes.ucla.edu](mailto:hlevy@ioes.ucla.edu)).