

Scripps Institution of Oceanography, La Jolla

24th June – 5th July, 2019

Registration Deadline: April 15, 2019

[http://cw3e.ucsd.edu/ar\\_colloquium\\_2019](http://cw3e.ucsd.edu/ar_colloquium_2019)

Recent advances in atmospheric sciences and hydrology have identified the key role of **Atmospheric Rivers** (ARs) in determining the distribution of strong precipitation events in mid-latitudes. The colloquium offers an opportunity to provide the next generation of scientists in atmospheric and hydrologic areas an in depth look at the cutting edge techniques in understanding, monitoring, and predicting **Atmospheric Rivers** and their associated high impact weather, taught by a diverse group of international collaborators.

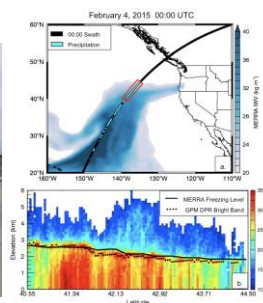
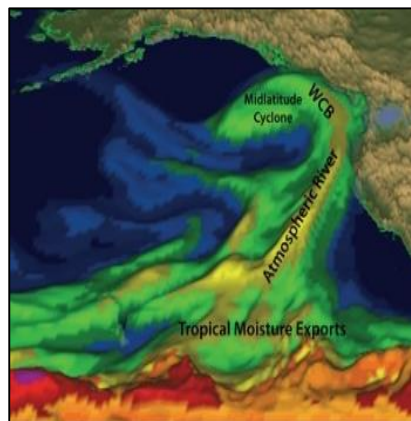
## 2019 Atmospheric River Colloquium Summer School

- The colloquium will allow students to interact with a group of international lecturers, experts in AR science, participating in specially crafted lectures as well as gaining hands-on and practical experience via projects.
- Outcomes will include improved understanding of (1) the dynamics and physics associated with ARs, including their role in the water cycle and regional impacts across the globe; (2) the techniques to detect, observe, model, and forecast ARs at all relevant time scales, including future climate scenarios; and (3) applications of AR science to water management, engineering, and hazard resilience.

*The colloquium summer school will be held at Scripps Inst. of Oceanography; University of California at San Diego.*

## International organizing committee

Christoph Boehm (University of Cologne - Student)  
Diego Campos (University of Chile; Dirección Meteorológica de Chile - Student)  
Will Chapman (Scripps Inst. Oceanography/CW3E - Student)  
Irina Gorodetskaya (University of Aveiro)  
Jason Cordeira (Plymouth State University)  
Rene Garreaud (University of Chile)  
Ashley Payne (University of Michigan)  
F. Martin Ralph (Scripps Inst. Oceanography/CW3E)  
Alexandre M. Ramos (University of Lisbon)  
Jonathan Rutz (NOAA National Weather Service Western Region)  
Carolina Vicetto (University of Aveiro - Student)  
Anna M. Wilson (Scripps Inst. Oceanography/CW3E)



Applications are now open  
[http://cw3e.ucsd.edu/ar\\_colloquium\\_2019](http://cw3e.ucsd.edu/ar_colloquium_2019)

Students and early Post-Docs are invited to attend.  
Scholarships are available.

For further information, please contact:  
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Alexandre Ramos [amramos@fc.ul.pt](mailto:amramos@fc.ul.pt)