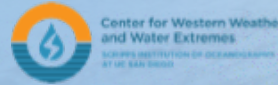




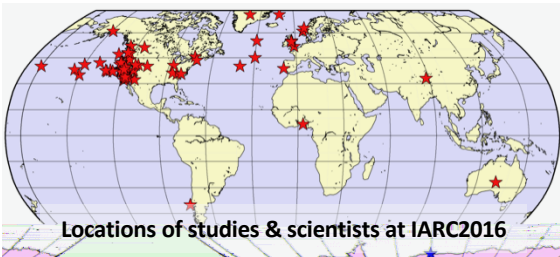
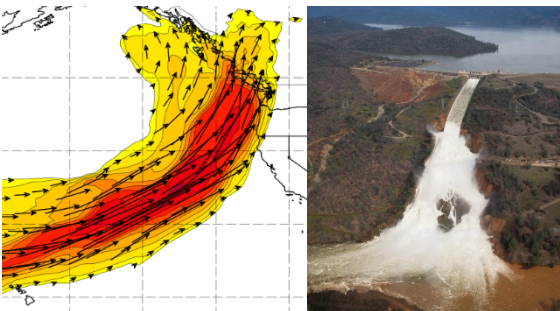
2018 2nd International Atmospheric Rivers Conference

Scripps Institution of Oceanography
La Jolla, California
25-28 June



<http://cw3e.ucsd.edu/IARC2018>

Regions around the globe face challenges in water management due to droughts and/or floods. Atmospheric rivers (ARs) have emerged as a conceptual model to focus hydrologists and atmospheric scientists on the transport mechanisms and impacts of precipitation extremes caused by AR landfall. The frequency, orientation, and strength of ARs determine the occurrence and impact of natural hazards as well as water resource and ecosystem benefits. This conference will bring together experts across the fields of atmospheric, hydrologic, oceanic and polar sciences, water management, civil engineering, and ecology to advance the state of the science and explore needs for new information. Traditional oral and poster sessions will be combined with panel discussions.



Locations of studies & scientists at IARC2016

Banner image by Joshua Stevens, from NASA Earth Observatory using VIIRS data. Top left image using GFS forecast for 15 Feb 2017. Top right image the Oroville Dam spillway failure on 13 Feb 2017 (Getty Images). Middle image showing ACAPEX and CalWater observations courtesy DOE. Bottom figure shows locations of studies and scientists from among >100 participants in IARC2016.

Abstracts are currently being solicited to cover topics including (but not limited to):

- Field observations and remote sensing of ARs
- AR identification and tracking
- Global and regional perspectives and impacts
- Physical processes and moisture transport in ARs
- Interactions between atmospheric transport and chemistry
- Current forecasting capabilities and opportunities
- Paleo—AR related floods and impacts
- ARs and climate change
- Emerging directions

International organizing committee

- Michael DeFlorio (*NASA JPL; Co-Chair*)
- Alexandre Ramos (*Instituto Dom Luiz, U. Lisbon, Portugal; Co-Chair*)
- Michael Warner (*USACE Seattle; Co-Chair*)
- Anna Wilson (*CW3E, Scripps; Co-Chair*)
- Elizabeth Barnes (*Colorado State University*)
- Rene Garreaud (*Universidad de Chile*)
- Irina Gorodetskaya (*University of Aveiro, Portugal*)
- David Lavers (*ECMWF*)
- Benjamin Moore (*CIRES and NOAA ESRL/PSD*)
- Ashley Payne (*University of Michigan*)
- Chris Smallcomb (*NWS Reno*)
- Harald Sodemann (*University of Bergen*)
- Michael Wehner (*Lawrence Berkeley National Lab*)



The conference will be held at the beautiful oceanfront venue of the Robert Paine Scripps Forum for Science, Society and the Environment located at the Scripps Inst. of Oceanography, Univ. of CA – San Diego.

Contributions for the 2018 Conference are now invited

See the website to submit an abstract and register:
<http://cw3e.ucsd.edu/IARC2018>

Students are strongly encouraged to attend. Scholarships are available, as well as slots for student speakers.

For further information, please contact:
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