

# 2016 International Atmospheric Rivers Conference

Scripps Institution of Oceanography - La Jolla, California

8<sup>th</sup> – 11<sup>th</sup> August 2016

<http://cw3e.ucsd.edu/ARconf2016>

Many regions face either drought or flood, or are challenged by regional water management issues. Recent advances in atmospheric sciences and hydrology have identified the key role of atmospheric rivers (AR) in determining the distribution of strong precipitation events in midlatitudes. Combined with related phenomena, warm conveyor belts (WCB) and tropical moisture exports (TME) (Fig. 1), the frequency, position and strength of ARs determines the occurrence of many water extremes. This conference brings together experts across atmospheric, hydrologic, oceanic and polar science, water management and civil engineering to advance the science and explore needs for new information.

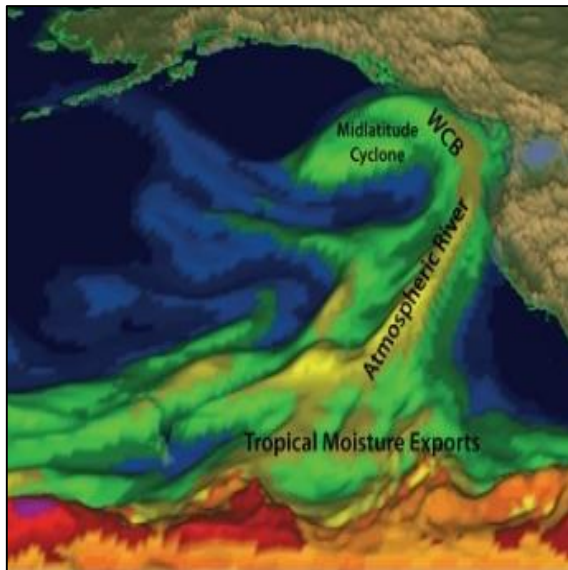


Fig. 1. Depiction of an atmospheric river, interacting with West Coast mountains. Credit: Adapted from NOAA/ESRL Physical Sciences Div. Source: EOS Meeting Report

## Conference Goals

- Evaluate the current state and applications of the science of the mid-latitude atmospheric water cycle, with particular emphasis on ARs and associated processes (e.g., WCB and TME)
- Discuss differing regional perspectives
- Assess current forecasting capabilities
- Plan for future scientific and practical challenges

## International organizing committee

**Allen White** (NOAA ESRL/PSD; *Co-Chair*)

**Irina Gorodetskaya** (K.U. Leuven, Belgium; *Co-Chair*)

**Andrew Martin** (CW3E, Scripps; *Co-Chair*)

**Maximiliano Viale** (Universidad de Chile; *Co-Chair*)

**Mike Dettinger** (USGS, CW3E)

**David Lavers** (Scripps Inst. Oceanography/CW3E)

**Nina Oakley** (Desert Research Institute)

**F. Martin Ralph** (Scripps Inst. Oceanography/CW3E)

**Jonathan Rutz** (U. S. National Weather Service)

**Ryan Spackman** (Science and Technology Corporation)

**Heini Wernli** (ETH Zurich)



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 2016 Conference are now invited

For further information or to submit an abstract, please contact:

Mike Dettinger ([mddettin@usgs.gov](mailto:mddettin@usgs.gov)) or

Mary Tyree ([mtyree@ucsd.edu](mailto:mtyree@ucsd.edu))

