

Monday 10: CE: Compound Events + OTM: Obs. Tracking and Modeling ARs

Time (Chile: UTC-3)	Final Loc	First Author	Abstract
9.00-9.15			Welcome
9.15-9.45			Keynote Emanuel Bevacqua (Virtual)
9.45-10.00	R_CE1	Nina Ridder (Invited)	The role of Atmospheric Rivers in compound events in The Netherlands and the Australian east coast
10.00-10.15	R_CE2	Allison Michaelis	Large-scale environments of successive atmospheric river events leading to compound precipitation extremes in California
10.15-10.30	R_CE3	Benjamin Moore	Links between subseasonal precipitation extremes in the U.S. and temporal clustering of atmospheric rivers
10.30-11.00			Break
11.00-11.15	R_CE4	Alexandre Ramos	Atmospheric rivers clustering and impacts in the Iberian Peninsula
11.15-11.30	R_CE5	Colin Raymond (Invited)	Processes Linking Atmospheric Rivers and Heat Stress in the United States
11.30-11.45			Discussion
11.45-12.00	R_OTM1	Nicolas Huneeus	Potential aerosol transport to the Antarctic Peninsula driven by an atmospheric river event in austral summer 2022
12.00-12.15	R_OTM2	Divya Rea	The Impact of Subtropical Moisture within an Atmospheric River on Moisture Flux, Cloud Structure, and Precipitation over the Salmon River Mountains of Idaho using Moisture Tracers
12.15-12.30	R_OTM3	Héctor A. Inda Díaz	Relationship Between Atmospheric Rivers and the Dry Season Extreme Precipitation in Central-Western Mexico
12.30-12.45	R_OTM4	Justin Minder	Exploring the utility of stochastic parameter perturbations in high-resolution ensemble forecasts of orographic precipitation from landfalling atmospheric rivers
12.45-13.00	R_OTM5	Raul Valenzuela	Quantitative Precipitation Forecast Performance Along Central-Southern Chile
13.00-14.30			Lunch
14:30	L_OTM_1	Murilo da Costa Ruv Lemes	Moisture Transfer from Amazonia by Aerial Rivers and Its influence on the Paraíba do Sul River Basin: an analysis of the water cycle from 2016 until 2021 summers
14:33	L_OTM_2	Julia Wietusch	Analysis of atmospheric rivers during the DACAPO-PESO experiment (Dec 2018-Nov 2021) in Punta Arenas, Chile
14:36	L_OTM_3	Helen Griffith	The Complexity of Detecting ARs across the UK
14:39	L_OTM_4	Brian Kawzenuk	Analysis and Forecasts Leading to a High-Impact Landfalling AR in California in January 2021
14:42	L_OTM_5	Carla Gama	Modelling aerosol effects on clouds and precipitation during atmospheric river events in Portugal using the WRF-CHIMERE coupled model
14:45	L_OTM_6	Weiming Ma	Evaluating Atmospheric River Representation in Reanalysis Products with Satellite Observations
14:48	L_OTM_7	Melinda M Brugman	Air Quality Modulates the Monsoonal Moisture Feed for North Pacific Atmospheric Rivers
14:51	L_OTM_8	Anne Heggli	Towards Snowpack Runoff Decision Support
14:56			5 mins break
14:59	L_OTM_9	Sol Kim	Atmospheric River Sector Identification
15:02	L_OTM_10	Ryan Rickert	Evolution and Future of Atmospheric River Reconnaissance: US Air Force Reserve 53 Weather Reconnaissance Squadron Perspective
15:05	L_OTM_11	Kazuhsa Tsuboki	Dropsonde observation of the atmospheric river associated with Typhoon Aere (2022) during the T-PARCI aircraft campaign
15:08	L_OTM_12	Ryan Torn	Medium Range Forecast Sensitivity for Landfalling ARs along the US West Coast
15:11	L_OTM_13	Kimberley Reid	Subseasonal Forecasting of Extreme Rainfall using Atmospheric Rivers in ACCESS-S2
15:14	L_OTM_14	Peter Black	Use of targeted Global Sounding Balloons (GSBs) to augment atmospheric profiling in data-sparse environments within and near Extreme Weather Events such as Atmospheric Rivers
15.20-15.45			Discussion
15.45-16.00	R_OTM6	Vijay Tallapragada (Invited)	Strategies for Targeted Aircraft Reconnaissance Observations: A Unified Approach for Improving Forecasts for Atmospheric Rivers and Winter Storms
16.00-16.15	R_OTM7	Xingren Wu	Impact of Drosopnde Data on NCEP Operational GFS Forecasts: Case Studies from 2021-2022 Atmospheric River Reconnaissance
16.15-16.30	R_OTM8	Minghua Zheng	Optimal Sampling Strategies for Atmospheric River Reconnaissance
16.30 - 17.00			Break
17.00-17.15	R_OTM9	Luca Delle Monache	Research and Development at the Center for Western Weather and Water Extremes
17.15-17.30	R_OTM10	Bin Guan	Global Application of the Atmospheric River Scale
17.30-17.45	R_OTM11	Kwesi Quagraine	ASSESSING ATMOSPHERIC RIVER DETECTORS TO DETERMINE THE UNDERLYING PHENOMENA
17.45-18.00	R_OTM12	Silvio Davolio	The role of Atmospheric Rivers in the Mediterranean in heavy precipitation events over the Alps
			Mixer/cocktail social event