

Tuesday 6

Impacts of ARs

Session chair: René Garreaud

Notice: Time is relative to 1300 UTC



Moderators	Tin	Type	Abstract ID	Last Name	First Name	Institution	Abstract title
Alexandre Ramos & Maximiliano Viale & René Garreaud	0:00	Intro Remarks		Garreaud	Rene	Universidad de Chile	
	0:05	Keynote		Corringham	Tom	CW3E, Scripps Institution of Oceanography, UC San Diego, USA	Economic perspectives of AR impacts
	0:25	Talk/01	IARCS/078	Ramos	Alexandre M.	Instituto Dom Luiz, Faculdade de Ciências da Universidade de Lisboa	Assessing uncertainty in daily precipitation datasets: the case of extreme precipitation in two Atmospheric Rivers events
	0:31	Talk/02	IARCS/067	Prince	Hamish	University of Otago, New Zealand	A climatology of New Zealand atmospheric rivers
	0:37	Talk/03	IARCS/075	Gyakum	John R.	McGill University, Canada	Cold-season subtropical air mass intrusions into eastern North America: thermodynamic and dynamic impacts
	0:43	Talk/04	IARCS/002	De Kock	Wade	University of Cape Town, South Africa	Large summer rainfall events and their importance in mitigating droughts over the South Western Cape, South Africa
	0:49	Talk/05	IARCS/056	Eiras-Barca	Jorge	EPhysLab, Universidad de Vigo, Spain	European West Coast Atmospheric Rivers: A scale to characterize strength and impacts
	0:55	Break					
	0:59	Lightning/1	IARCS/006	Reid	Kimberley	The University of Melbourne, Australia	New Zealand Extreme Rainfall Associated with Atmospheric Rivers
	1:01	Lightning/2	IARCS/071	Lamjiri	Maryam Asgar	CW3E, Scripps Institution of Oceanography, UC San Diego, USA	Recent Changes in United States Extreme 3-Day Precipitation Using the R-CAT Scale
	1:03	Lightning/3	IARCS/050	Ramos-da-Silva	Renato	Universidade Federal de Santa Catarina (UFSC) - Brazil	Catastrophic Impact of an Atmospheric River on southern Brazil
	1:05	Lightning/4	IARCS/083	Bartlett	Samuel M	Plymouth State University, USA	A Climatological Study of National Weather Service Watches, Warnings and Advisories in Association with Atmospheric Rivers in the Western U.S. 2006–2018
	1:07	Lightning/5	IARCS/043	Leicht	Tyler	University at Albany, SUNY, USA	High-Impact Weather Events over Hawaii and southwestern United States in February 2019 Due to North Pacific Large-Scale Flow Evolution
	1:09	Lightning/6	IARCS/064	Ricciotti	Joseph	Plymouth State University, United States of America	Summarizing the Relationship between IVT and Watershed Mean Areal Precipitation across California
	1:11	Lightning/7	IARCS/068	Prince	Hamish	CW3E, UCSD, USA	Genesis locations of the costliest atmospheric rivers impacting the western United States
	1:13	Lightning/8	IARCS/023	Arabzadeh	Alireza	University of Arizona, USA	Global Analysis of Atmospheric Rivers Precipitation using Remote Sensing and Reanalysis Products
1:15	Lightning/9	IARCS/062	Algarra	Iago	University of Vigo, Spain	On the origin of the anomalous uptake of water vapor by landfalling Atmospheric Rivers	
1:17	Discussion						
1:37	Break						
Irina Gorodetskaya & Jonathan Rutz & René Garreaud	1:41	Talk/06	IARCS/111	Maxwell	Brandt	National Weather Service, USA	Relationships between integrated vapor transport (ivt), water vapor flux and precipitation in southern California
	1:47	Talk/07	IARCS/072	Bozkurt	Deniz	Universidad de Valparaíso, Chile	Unprecedented 2020 Austral Winter Sea Ice Loss over the Amundsen Sea Triggered by Atmospheric Rivers
	1:53	Talk/08	IARCS/054	Porhemmat	Rasool	University of Canterbury	The role of ARs in producing large snowfall events in the Southern Alps of New Zealand
	1:59	Talk/09	IARCS/024	Sharma	Aseem R.	Natural Resources and Environmental Studies Program, University of	Linking atmospheric rivers to annual and extreme river runoff in British Columbia and southeastern Alaska
	2:05	Talk/10	IARCS/042	Bowers	Corinne	Stanford University, USA	A Performance-Based Framework to Quantify Atmospheric River-Induced Flooding
	2:11	Break					
	2:15	Lightning/10	IARCS/045	Rutz	Jonathan	NWS Western Region, USA	Using ARTMIP Data to Examine the Relationship between Atmospheric Rivers and NWS Watches/Warnings/Advisories
	2:17	Lightning/12	IARCS/112	Rojas	Yazmina	University at Albany, State University of New York	Interaction of storms with complex terrain during extreme events in south-central Chile
	2:19	Lightning/13	IARCS/038	Davrince	Cécile	LSCE, France	Isotopic anomalies in water vapor during an AR event at Dome C, East Antarctic plateau, controlled by large-scale advection and boundary layer processes
	2:21	Lightning/14	IARCS/037	Langhamer	Lukas	Humboldt-Universität zu Berlin, Germany	The Impact of Atmospheric Rivers on Glaciers in Fuego-Patagonia
	2:23	Lightning/15	IARCS/063	Lauer	Melanie	Institute of Geophysics and Meteorology, University of Cologne, Ger	Impact of Atmospheric Rivers on Arctic climate: techniques for a better quantification of precipitation
	2:25	Lightning/16	IARCS/039	Saavedra Mel	Felipe	AMTC Universidad de Chile, Santiago, Chile	Atmospheric Rivers contribution to the snow accumulation over the southern Andes
	2:27	Lightning/17	IARCS/076	Jara Ríos	Angélica	Universidad de Chile, Chile - CR2, Chile	Atmospheric rivers and flooding in south-central Chile
	2:29	Lightning/18	IARCS/088	Sumargo	Edwin	Scripps Institution of Oceanography	Reservoir Flood Pool Sensitivity to Freezing Level Forecast Uncertainty: Examples from Lake Oroville and New Bullards Bar Reservoirs in California
2:31	Lightning/19	IARCS/073	Garreaud	Rene	Universidad de Chile, Chile	Knowing your enemy: landslides and ARs in western Patagonia	
2:33	Discussion						
2:55	Break						
3:00	Break out room discussion						