Thursday 13: PO: AR in Polar Climates + All posters

Time (Chile: UTC-3)	Final Loc	First Author	Abstract
9.00-9.30	**Keynote Favier Vincent (in Person)**		
9.30-9.45	R_PO1	Benjamin Pohl (Invited)	Towards a circumpolar view of synoptic drivers for Antarctic atmospheric rivers
9.45-10.00	R_PO3	Jonathan Wille (Invited)	Case study of the extraordinary March 2022 East Antarctic heat wave
10.00-10.15	R_PO9	Melinda M. Brugman (Invited)	Atmospheric River Impacts in Arctic and Alpine regions: Development of an AR alerting tool for cold regions in a rapidly warming climate
10.15-10.30	R_PO4	Kyle Mattingly	Far infrared radiative signatures of polar atmospheric rivers in simulated PREFIRE observations
10.30-11:00	**Break**		
11.00-11.15	R_PO5	Penny Rowe	Foehn Warming over the Antarctic Peninsula Amplified by Strong Atmospheric Rivers
11.15-11.30	R_PO6	Claudio Duran Alarcon	Rainfall and snowfall during two strong atmospheric river events in the Antarctic Peninsula in summer 2022: characterization and evaluation of impact on surface mass balance
11.30-11:45	R_PO14	Deniz Bozkurt (Invited)	Atmospheric Blocking Patterns around the Antarctic Peninsula and Their Influences on Temperature and Moisture Transport
11:45	*L_PO1*	*Kazue Suzuki*	*The high-top cloud plays an efficient part in the moisture transport to the Antarctic*
11:48	*L_PO2*	*Zen Mariani*	*Atmospheric River Observations in the Canadian Arctic and Future Projections*
11:51	*L_PO3*	*Melanie Lauer*	*Influence of Atmospheric Rivers and Cyclones on precipitation in the Arctic – a climatological perspective*
11:54	*L_PO4*	*Chen Zhang*	*Climatology of Atmospheric Rivers and Associated Surface Warming in the Arctic: Regional Relationships With Teleconnection Patterns*
11:57	*L_PO5*	*Henning Dorff*	*Divergence of Moisture Transport inside Arctic Atmospheric Rivers from Long-Range Research Aircrafts – A Feasibility Study in High-Resolution Model Data*
12:00	*L_PO6*	*Victoire Buffet*	*Atmospheric Rivers, Weather Types, changes in the general circulation, and their influence on the Cook Ice Cap (Kerguelen Island)*
12:03	*L_PO7*	*Marlen Kolbe*	*Increase in Interannual Variability of Poleward Moisture Transport to the Arctic linked to Atmospheric Rivers*
12:06	*L_PO8*	*Lukas Langhamer*	*Is there Evidence for Short-Term Fluctuations in Ice Flow and Glacier Retreat at Glaciers in Fuego-Patagonia due to Landfalling of Atmospheric Rivers*
12:09	*L_PO9*	*Victoria Moya*	*Influence of atmospheric rivers on extreme high temperature events over the Antarctic Peninsula*
12:12	*L_PO10*	*Niels Dutrievoz*	*Summer atmospheric rivers during February 2022 at the Antarctic Peninsula: large-scale circulation, moisture sources and precipitation*
12:15	*L_PO11*	*Carolina Viceto*	*Arctic atmospheric rivers in historical and future climates and associated impacts*
12:18	*L_PO13*	*Anastasia Chyhareva*	*Intense AR over Vernadsky station and its impact on surface runoff based on PolarWRF simulation*
12:21	*L_PO14*	*Mikhail Latonin*	*Asymmetrical pattern of meridional atmospheric sensible and latent heat fluxes at the entrance to the Arctic*
12:25-12:40	**Discussion**		
12:40-12:55	R_PO7	Sofie Tiedeck	Atmospheric River during MOSAiC in Mid-November 2019: Transformation Processes and Impact on the Surface Energy Budget
12:55-13:10	R_PO8	Rudradutt Thaker	The changing climate and Atmospheric Rivers (ARs) in the Arctic
13.00-14.30	**Lunch**		
14.30-14.45	R_PO2	Irina Gorodetskaya	Summer 2022 temperature extremes at the Antarctic Peninsula triggered by a strong atmospheric river and foehn
14.45-15.00	R_PO10	Clemens Spensberger	Detecting Moisture Pathways – Linking Atmospheric Rivers and Warm Moist Intrusions
15.00-15.15	R_PO12	Zhenhai Zhang	Atmospheric River Scale for the Polar Regions
15.15-15.30	R_PO13	Christine Shields	Machine Learning for High Latitude AR Detection
15.30-17.00	BOG2: 3-4 parallel rooms Including Polar ARs ML labeling		
17.00-18:30	**Break + Poster + Beer**		
	P_PD2	Ferran López-Martí	Sources of Moisture to Extreme Atmospheric Rivers: a storm Denis case study
	P_PD1	Javiera Ramirez Delgado	Characterization and analysis of the atmospheric river event during the southern summer at extratropical latitudes in January 2021
	P_OTM-1	Maximiliano Viale	Atmospheric River Categories on the West Coastline of South America
	P_OTM_2	Anna Wilson	Atmospheric River Reconnaissance – A Research and Operations Partnership
	P_HM1	Eric Shearer	Linking Spring-time Heavy Precipitation Events and Major Floods in Iran to Atmospheric River Conditions
	P_HM2	Robert Rauber	The impact of subtropical moisture within Pacific Atmospheric Rivers on seasonal winter snowfall over the Salmon River Mountains of Idaho
	P_HM3	Lucas Glasner	The interplay between Atmospheric Rivers and rain driven snowmelt leads to large flooding: a case of study in the central Andes.
	P_HM4	Claudio Bravo Lechuga	Impacts of an unseasonal atmospheric river on the surface mass balance of glaciers in the Andes of central Chile
	P_HM5	Sarah Ogle	Paired-basin Analysis of Hydrologic Impacts from the Lake Mendocino Complex Fire
	P_PD3	Felipe Matus	Mechanism for the influence of the MJO in precipitation over Chile