



# Conference on Regional Climate Modeling and Extreme Events over South America: results from the CORDEX-Flagship Pilot Study

## & CORDEX CAM/SAM lab-training activity

4-6 September 2022 - Buenos Aires, Argentina

0+Infinito, Faculty of Exact and Natural Sciences, University of Buenos Aires, Buenos Aires, Argentina

<https://indico.ictp.it/event/9835/>

PROGRAM			
Sunday, September 4			Comments
9:30	10:20	Registration & Coffee	Conference Start
10:20	10:40	<b>Bettolli, ML:</b> Welcome and FPS Introduction	
10:40	11:00	<b>Solman S:</b> CORDEX Introduction and FPS in CORDEX domains	
11:00	11:20	<b>Coppola E:</b> RCM Coordinated Simulations/ Introduction of FPS in Europe	
11:20	11:40	<b>da Rocha, RP:</b> FPS in SESA ongoing analyses on diurnal cycle of precipitation for the 2009-2010 season	
11:40	12:00	<b>Raffaele F:</b> FPS in SESA CP simulations with RegCM5 for 2018-2019	
12:00	12:20	<b>Fernandez J:</b> RCM Coordinated Simulations/ Results of FPS in SESA initial results for 2018-2021	
12:20	12:40	<b>Doyle M:</b> Hydrological modeling in the FPS SESA	
12:40	13:00	<b>Vianna Cuadra S:</b> Agricultural modeling in the FPS SESA	
13:00	14:00	Lunch	
14:00	15:30	ICTP training: Lab 1107	
15:30	16:00	Coffee Break	
16:00	17:00	ICTP training: Lab 1107	

<b>Monday, September 5</b>			
9:00	10:30	FPS small group meeting	
10:30	11:00	Coffee	<b>Conference Start</b>
11:00	11:20	<b>Pichelli E:</b> The new RegCM5 model results over Europe in CP and comparison with the RegCM4	
11:20	11:40	<b>Reboita M:</b> Application Examples of the RegCM over the SAM-CORDEX domain	
11:40	12:00	<b>Olmo M:</b> Extreme precipitation in Southeastern South America: a statistical downscaling experiment for historical records and climate change projections	
12:00	12:20	<b>Baño-Medina J:</b> Emulation of Regional Climate Models with Deep Learning: A downscaling approach	
12:20	12:40	<b>Hidalgo H.G.</b> High resolution precipitation and temperature projections for Central American and Dominican Republic from a statistical method	
12:40	13:00	<b>Luna-Niño R:</b> Interannual variability of the subtropical jet stream and its influence on the cold fronts and Norte winds in Mexico	
13:00	14:00	Lunch	
14:00	15:30	ICTP training: Lab 1105/FPS small group meeting	Parallel activities
15:30	16:00	Coffee Break	
16:00	17:00	ICTP training: Lab 1105/FPS small group meeting	Parallel activities
<b>Tuesday, September 6</b>			
9:00	10:30	FPS small group meeting	
10:30	11:00	Coffee	<b>Conference Start</b>
11:00	11:15	<b>Rasmussen R:</b> NCAR South America Affinity Group (SAAG) activities	
11:15	11:30	<b>Prein A:</b> NCAR Convection Permitting Simulations over South America	
11:30	11:45	<b>Pinheiro E:</b> The influence of Atlantic SST on subtropical cut-off lows: sensitivity experiments with RegCM4	
11:45	11:55	<b>Pantano V:</b> Influence of extreme temperatures and precipitation on soy and maize productivity: observations and modeling	
11:55	12:05	<b>Natalia Machado Crespo</b> Assessment of the RegCM4-CORDEX-CORE performance in simulating cyclones affecting the western coast of South America	

		cyclones in western coast	
12:05	12:15	<b>Balmaceda Huarte R:</b> Climate extreme indices in CORDEX SAM simulations	
12:15	12:25	<b>Andressa Andrade Cardoso:</b> Early-stages structure of extratropical cyclones over South America	
12:25	12:35	<b>Wil Laura:</b> Heatwaves and fire in Pantanal	
12:35	12:50	<b>Gutierrez JM:</b> CORDEX ESD: progress, challenges and plans	
12:50	12:55	Group Photo	
12:55	13:00	Closing	
13:00	14:00	Lunch	
14:00	15:30	ICTP training: Lab 1107/FPS small group meeting	Parallel activities
15:30	16:00	Coffee Break	
16:00	17:00	ICTP training: Lab 1107/FPS small group meeting	Parallel activities