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# 12th Workshop on the Theory and Use of Regional Climate Models | (smr 4096)

Monday 01 September 2025

**Climate extremes and impacts**  
**section - Kastler Lecture Hall (AGH) (09:00-17:00)**

time	title	presenter
09:00	Unprecedented atmospheric heatwaves in Mexico City in 2024	TEREZA CAVAZOS
09:30	Potential changes applying the pseudo-global warming (PGW) approach in the interaction between tropical cyclones (TC) and the Caribbean Low-Level Jet (CLLJ)	ANTONIO SALINAS
09:45	Northeast monsoon analysis	TAPAJYOTI CHAKRABORTY
10:00	CPM applications to characterize and detect extreme rainfall	EMANUELA PICHELLI
10:30	Coffee break	
11:00	A climate suitability index for ecological habitats applied to terrestrial arthropods in the Mediterranean Region	JAMES M. CIARLÒ
11:30	Future projections of physiological heat: Implications for liveability and survivability in Southeast Asia	HAN LIAO
11:45	Characterization of temperature and humidity effects on extreme heat stress under global warming and urban growth	IM EUN-SOON
12:00	SSASE: A Regional Index for Assessing Severe Storm Environments in Subtropical South America	VICTORIA A. ORUEZABAL
12:15	Future Changes in Precipitation Patterns and Extremes in Major Coastal Cities of Bangladesh Using CMIP6 Multi-Model Ensemble	A.K.M. SAIFUL ISLAM
12:30	Lunch	
14:00	LAB: Computing extreme indices for GWLs projections	FRANCESCA RAFFAELE