

4th Summer School on Theory, Mechanisms and Hierarchical Modeling of Climate Dynamics: Atlantic Variability and Tropical Basin Interactions at Interannual to Multi-Decadal Time Scales | (smr 3864)

Contribution ID : 317

Type : not specified

Breakout sessions

Wednesday, 9 August 2023 16:30 (1:30)

Content

Triple-dip La Niña in 2020-23: North Pacific footprint drives the 2nd year La Niña, Tomoki Iwakiri
Boosting effect of the strong western pole of the Indian Ocean Dipole on El Niño decay, Jia Wu
Non-ENSO Precursors for Northwestern Pacific Summer Monsoon Variability with Implications for Predictability, Jia Wu
Chlorophyll-a as an indicator of tropical basin interactions, Elena Calvo Miguélez
Investigating the Atlantic-Indian summer monsoon multidecadal teleconnections in the PMIP3/CMIP5 Last Millennium Project, Jia Wu
Lagged Interactions between South Atlantic and Equatorial Pacific SSTs and the mediating role of the South Atlantic Ocean Dipole, Jia Wu
Evaluating the South Atlantic Ocean Dipole impacts on West African precipitation in CMIP6 Model Simulations, Jia Wu
Drivers and impact of the 2021 extreme warm event in the tropical Angolan upwelling system. Rodrigue Anicet
Impact of equatorial waves on rainfall modulation in Cameroon, Idene-Flore Mantho
Revisiting the tropical Atlantic western boundary circulation from a 25-year time series of satellite altimetry, Jia Wu
Quasi-decadal to interdecadal ocean surface temperature variability in the Southern Benguela Upwelling System, Jia Wu
Past, present, and future impacts of the Atlantic equatorial mode of variability on the boreal summer West African monsoon, Koffi Worou
Multi model evidence of future tropical Atlantic precipitation change modulated by AMOC decline, Giada Cerato
Simulating AMOC collapses driven by internal climate variability with a rare event algorithm. Matteo Cini
Recent warming of Greenland in the early summer and its link to atmospheric blocking trends in the Northern Atlantic sector. Michele Filippucci
Impacts of Atlantic Meridional Overturning Circulation decline on Euro-Atlantic circulation patterns, Andrea Vito Vacca
Transient and Equilibrium Responses of the Atlantic Meridional Overturning Circulation to Radiative Forcing, Paul Curtis
South Atlantic Meridional Overturning Circulation in present and future climate from the Community Earth System Model, Version 2, Large Ensemble Project: impacts on the heat balance, Maurício Rocha
Ocean-atmosphere processes in response to climate change in the tropical south Atlantic, Isabelle Vilela De Oliveira

Summary

Session Classification : Session 2: Factors controlling TBI at different timescales and their modulation