

# 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)

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## Posters

*Wednesday, 9 August 2023 11:00 (1:30)*

### Content

An investigation on the relationship between North Atlantic climate variabilities and the dominant role of AMOC in setting AMV spatial patterns and timescale, Mengrong Dong  
Two regimes of Atlantic multidecadal oscillation: cross-basin dependent or Atlantic-intrinsic, Mengrong Dong  
Low-frequency AMOC variability: mechanism and impacts, Weimin Jiang  
Mid-20th Century Atlantic Circulation informed by Modern Observations and Models, Guillaume Huguenin  
Tropical Indo-Atlantic temperature gradient modulates multi-decadal AMOC variability in models and observations, Mengrong Dong  
A possible control of the meridional overturning circulation (MOC) by the Antarctic stratosphere, Tatsuro Shimizu

### Summary

**Session Classification :** Session 1: The relative role of AMOC in setting AMV spatial patterns and timescale