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AMOC change in recent time-Model and observation perspective

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The Atlantic Meridional Overturning Circulation (AMOC) has been a key factor in the modulation of climate change both locally and globally in the past decades. However, in recent time the evolution of AMOC seems not clear. The degree of agreement between the state of AMOC depicted in the new simulations from the sixth Coupled Model Intercomparison Project (CMIP6) and observation dataset is not well understood. Furthermore, the timescale for AMOC evolution in these datasets still remains debateable. If the result of these datasets differs reasonably, this could lead to bias in projected long term climate knowledge.

Topic

Value of AMOC observing –what have we learned?

Authors: ERESANYA, Emmanuel (Department of Geography, Irish Climate Analysis and Research UnitS (ICARUS), Maynooth University, Maynooth, Ireland); Dr MCCARTHY, Gerard (Irish Climate Analysis and Research UnitS (ICARUS), Maynooth University, Maynooth, Ireland))

Co-author: Dr HE, Yinghui (State Key Laboratory of Tropical Oceanography, South China Sea Institute of Oceanology, Chinese Academy of Sciences, Guangzhou 510301, China.)

Presenter: ERESANYA, Emmanuel (Department of Geography, Irish Climate Analysis and Research UnitS (ICARUS), Maynooth University, Maynooth, Ireland)

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