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Type: **Talk**

A tale of two perspectives on AMOC observing needs: historical gravity and altimetry satellite missions and future Earth system simulations

Wednesday 19 July 2023 12:00 (15 minutes)

This presentation will be a tale of two perspectives that come together to inform AMOC observing needs in a changing climate. First, I will share some results from NASA's gravity and altimetry satellite science teams that highlight how these NASA assets contribute to monitoring and understanding AMOC. Second, I will present highlights from my own analysis of future Earth system simulations, in which I seek to understand how AMOC variability and change influence North Atlantic Ocean biogeochemistry and biological productivity as global warming intensifies. I will conclude by discussing my perception of how both perspectives might guide future AMOC observing priorities and design.

Topic

Future AMOC observing –outlining a roadmap

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Session Classification: Roadmap for future AMOC observing

Track Classification: Roadmap for future