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The Madden-Julian Oscillation

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The Madden-Julian Oscillation is the dominant mode of sub-seasonal variability in the tropical climate system and a major potential source of predictability on sub-seasonal timescales. This presentation will review our current understanding of the MJO; the impacts of the MJO in the tropics and extra-tropics; the skill of weather and climate models in simulating the MJO; and conclude with some of the challenges in realizing the potential predictability associated with the MJO.

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