



ATOC COLLOQUIUM

Welcome!

Please join us for the next ATOC Colloquium on **Friday, October 29** from **11:00 AM–12:00 PM**, which will be held in **SEEC S228 and simulcast over Zoom**. This week's colloquium features **Dr. Gustavo Marques** from the **Climate & Global Dynamics** Division at **NCAR**. Please join us for coffee/conversation beginning at 10:45 AM and stay for lunch from Illegal Pete's afterwards. **In CU buildings, please wear a mask if not actively eating/drinking.**

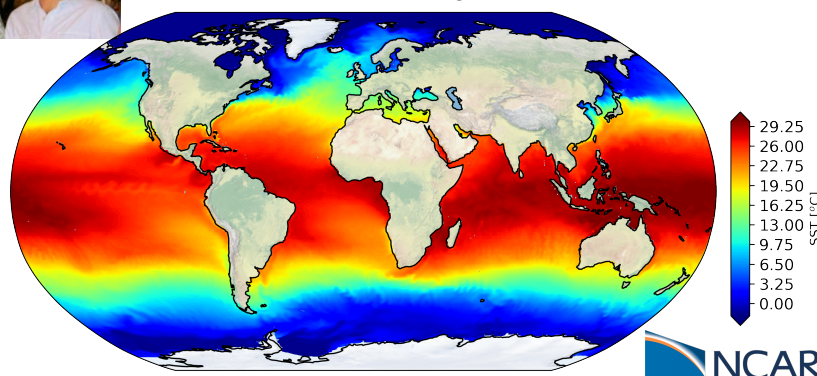
Improving the representation of oceanic processes in NCAR's next-generation climate model

The Modular Ocean Model version 6 (MOM6) has been selected as the next ocean component for future versions of the Community Earth System Model (CESM). MOM6 has many advantages over its predecessor, including a general vertical coordinate system, a comprehensive set of sub-grid scale parameterizations, and the capability of representing ice sheet/ocean interactions. This seminar will provide a general overview of MOM6 and its incorporation into CESM. Particular attention will be given to the development of a new "workhorse" configuration. Several avenues of research have been enabled under this new ocean model and they will be highlighted during the seminar.



Community Earth System Model

MOM6 2/3° workhorse configuration forced with JRA-55



Location: SEEC S228 and Zoom

Zoom: <https://cuboulder.zoom.us/j/96255661682>

Password: ATOC

About the ATOC Colloquium

The Department of Atmospheric and Oceanic Sciences (ATOC) Colloquium is typically held **every other Friday** from **11:00 AM–Noon**. Colloquia alternate between the following formats: (A) Full-length talk by a faculty member or invited speaker, (B) Three conference-length talks by graduate students. If you would like to nominate a speaker (including self), please email the ATOC Colloquium Committee Chair, Prof. Jan Lenaerts (jan.lenaerts@colorado.edu). Please visit www.colorado.edu/atoc/colloquium for further details.