

CGD SEMINAR



DATE: Tuesday, 20 March 2018
TIME: 11 a.m.
LOCATION: NCAR, 1850 Table Mesa Drive
Mesa Lab, Main Seminar Room
TITLE: Factors Influencing Regional Changes in
Antarctic Sea Ice
SPEAKER: Marika Holland, NCAR

ABSTRACT:

Antarctic sea ice cover has undergone a modest increase since 1979, which is generally consistent with natural variability as diagnosed from climate models. However, this hemispheric trend masks large and nearly compensating regional changes in the sea ice. In some regions, these observed trends are inconsistent with climate models simulations for either pre-industrial or 20th century conditions. This emphasizes the need to better understand regional changes in the Antarctic sea ice.

In this talk, I will discuss results from several recent studies that provide new insights on factors driving regional sea ice variations. This includes studies that use climate model simulations to assess the role of anthropogenic stratospheric ozone loss in driving late 20th century regional sea ice change. It also includes analysis of observations to better understand mechanisms that affect sea ice change in different regions and over different timescales.

Live webcast: <http://ucarconnect.ucar.edu/live>

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