

# CGD SEMINAR



DATE: Tuesday, 11 April 2017

TIME: 11 a.m.

LOCATION: NCAR, 1850 Table Mesa Drive  
Mesa Lab, Main Seminar Room

TITLE: The Outsized Role of the Southern  
Ocean in the Regulation of Carbon,  
Heat, and Biological Productivity

SPEAKER: Jorge Sarmiento, Princeton University

## ABSTRACT:

The Southern Ocean accounts for half the oceanic uptake of anthropogenic carbon, two-thirds of the oceanic uptake of heat from global warming, and supplies the nutrients that fertilize three-quarters of oceanic biological production in the rest of the world. Yet, because of its remoteness and the hostility of its environment, it is one of the poorest understood regions of the world. Recent major developments in observational and modeling capabilities are transforming our ability to study this region and the initial results from a fleet of new Argo floats equipped with biogeochemical sensors are stunning.

Live webcast: <http://www.fin.ucar.edu/it/mms/ml-live.htm>

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