



AVVISO

Informo che il **Prof. Henk A. Dijkstra** (Institute for Marine and Atmospheric research Utrecht, Università di Utrecht, Paesi Bassi) terrà, nell'ambito del progetto IPSODES-P.N.R.A. il giorno **Giovedì 29 Settembre alle ore 14:00 nell'Aula 10 dei locali del Centro Direzionale**, un seminario dal titolo:

Tipping of the Atlantic Ocean Circulation

Tutti gli interessati sono invitati a partecipare.

Prof. Stefano Pierini

Napoli, 26 Settembre 2022

Abstract. The Atlantic Ocean Circulation, in particular its zonally averaged component called the Atlantic Meridional Overturning Circulation (AMOC), is one of the tipping elements in the climate system. The AMOC is sensitive to freshwater perturbations and may undergo a transition to a climate disrupting state within a few decades under continuing greenhouse gas emissions. In this presentation, I will discuss the current state of knowledge on the AMOC behavior and the most recent projections of its development under climate change. Focus will be on the problem of assessing the probability of a collapse of the AMOC under climate change.