

COLLOQUIUM FÉDÉRATION FRIEDEL JACQUINOT

Mercredi 21 Janvier – Amphi A1 du Bâtiment Hbar

12h30 : Séminaire de Bérengère Dubrulle

Turbulence and Climate

Predicting weather or climate has become crucial to the success of the energy and ecological transition.

In this seminar, I will discuss how turbulence, a phenomenon present in all of Earth's fluid envelopes, plays a crucial role in issues related to this challenge, ranging from the notion of predictability to understanding large-scale structures in the atmosphere and ocean, and their impact on climate change.



Crédits photographiques : Frédérique PLAS, Photothèque du CNRS

Bérengère Dubrulle is senior scientist at the Centre National de la Recherche Scientifique and presently Director of the Les Houches Physics School. She received her PhD in astrophysics in 1990 under the supervision of J-P. Zahn.

She is a specialist of turbulence, and its application to astro and geophysical flows using theoretical, numerical or experimental approaches. She is fellow of the APS and member of the French Academy of Sciences.