Università degli Studi di Torino

Dottorato in Scienze della Terra

Marrying data and numerical models in Earth Sciences: applications to Paleoclimate research,

a seminar for PhD students in Earth Sciences

In order to address critical research questions in the Earth Sciences, it is increasingly required the application of a combined data-modelling approach. While data provide empirical evidences for a given phenomenon, the integration with numerical models helps to identify driving mechanisms, establish causal relationships or to independently verify the validity of data. This course will explore the application of a combined data-modelling approach in the field of paleoclimate research through the analysis of selected case-studies. The aim of the course is to provide students with a start-pack to understand the process of integrating data with numerical simulations as well as the benefits and the limits of a combined data-modelling approach in Earth Science research.

When & Where

April 29th (14:00-18:00) – 30th (9:00-13:00) 2024
Department of Earth Sciences, University of Turin,
Turin (Italy)
info & registration: rocco.gennari@unito.it

Who:

marum Research Faculty University of Bremen

Dr. Flavia Boscolo-Galazzo (fboscologalazzo@marum.de) is a Marie-Curie Research Fellow at MARUM University of Bremen (Germany), her research focuses on the application of the fossil record of foraminifera to paleoclimate and paleobiology investigations in the Cenozoic.