Contribution ID: **15**   Type: **not specified**

On response theory for climate models

Monday, 22 April 2024 14:30 (30 minutes)

In this talk I will give an overview on response theory for stochastic PDEs, with a particular interest on its potential for energy balance models. With response theory we mean in this context the following: studying the regularity of averages of observables against the stationary distribution with respect to changes in relevant system parameters, in particular their differentiability (linear response). We will also discuss the role of exponential ergodicity to establish linear response.

Presenter: CARIGI, Giulia (Università degli Studi dell'Aquila)