



Mathematisches  
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Oberwolfach

Member of



# Oberwolfach Seminar

## Stochastic Geophysical Fluid Dynamics

Organizers: Franco Flandoli, Pisa  
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Date (ID): 23 – 29 October 2022 (2243b)  
Deadline: 31 July 2022

The mathematical study of geophysical fluid dynamics is at the foundation of many models in meteorology, climate science and geophysics. One central question is: How to account for uncertainties inherent in measurements and the estimation of physical parameters? Here, a stochastic point of view is often closer to the real-world applications than a purely deterministic one. In the lectures we would like to give an introduction into several directions of the recent research on stochastic geophysical fluid dynamics and discuss different geophysical stochastic partial differential equations.

Please see the detailed program at [www.mfo.de/occasion/2243b](http://www.mfo.de/occasion/2243b).

The seminar takes place at the Mathematisches Forschungsinstitut Oberwolfach. The Institute covers board and lodging. By the support of the Carl Friedrich von Siemens Foundation travel expenses can be reimbursed up to 150 EUR in average per person (against copies of travel receipts). The number of participants is restricted to 25.

**Applications including title, ID and date** of the intended seminar, together with **one pdf-file attached** containing

- full name and address, incl. e-mail address
- short CV and publication list
- present position, university
- name of supervisor of Ph.D. thesis
- a short summary of previous work and interest

should be **sent by e-mail** via [seminars@mfo.de](mailto:seminars@mfo.de) until 31 July 2022 to:

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