Symposium

Hasselmann Legacy – Stochastic Thinking in Climate Science

8th November, 2024 in room B22/023
Max Planck Institute for Meteorology

10:00 Welcome**: Prof. Jochem Marotzke (**Managing director of MPIM)

10:15 **Prof. Francis Zwiers (**PCIC)
Detection, attribution and constrained projection – an evolving fusion of statistical and physical thinking

11:00 **Prof. Myles Allen** (University of Oxford)
Understanding possible worlds: the contribution of stochastic climate modelling to detection and attribution

11:45 **Dr. Armineh Barkhordarian (**UHH)
Attributing Change: Regional detection and attribution and multiple drivers

12:15 Lunch break

13:30 **Dr. Lin Lin (**MPI)
The stochastic climate model and noise in marginal seas

13:50 **Prof. Hans von Storch** (Hereon)
Significance of Internal Variability for Numerical Experimentation and Analysis

14:10 **Dr. Eduardo Zorita** (Hereon)
The statistical challenge of proxy reconstruction of past climate

14:40 Coffee break

15:10 **Prof. Jin-song von Storch (**MPI)
Stochastic climate model and integral forcing – an evolving fusion of statical mechanics and climate research

15:55 **Prof. Nils Lid Hjort** (University of Oslo)
The stochastic view used in climate sciences, seen with the eyes of a mathematical statistician

16:40 Overall discussion

17:00 End of symposium

Zoom Meeting ID: 627 8021 7445 **Pin:** 051126

https://eu02web.zoom-x.de/j/62780217445?pwd=fnpklW5X0Rc8LU0mNOieUAgcWDVm46.1