

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 statistical 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

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