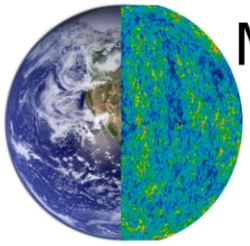
Climat  Méca Stat

Groupe de Travail

Workshop "Dynamical Systems in Climate Sciences"

Programme

08 October

- 12h30-14h00: *Lunch*
- 14h00-14h45: Yuzuru Sato (Hokkaido University, Sapporo, Japan) - *Stochastic bifurcation in random dynamical systems and its application to modeling atmospheric jet dynamics*
- 14h45-15h30: Francesco Ragone (ENS Lyon, France) - *Simulation of extreme European heat waves with rare event algorithms*
- 15h30-16h00: *Break*
- 16h00-16h45: Berengere Dubrulle/Francois Daviaud (SPEC-CNRS-CEA Saclay, France) - *Stochastic Chaos in a turbulent swirling flow*
- 16h45-17h05: Vincent Labarre (LSCE IPSL CNRS CEA, France) - *A Radiative Convective Model based on constrained Maximum Entropy Production*
- 17h05-17h25*:* Paul Debue (SPEC-CNRS-CEA Saclay, France) - *Dissipation, Intermittency, Singularities*
- 17h25-17h40: Adnane Hamid (DEPIP/LSCE CEA, France) - *Machine Learning as a tool to predict the behavior of chaotic systems*
- 17h40-18h00: Miriam D'Errico (LSCE CEA, France) - *Statistical Mechanics of reconstructed cold spells.*
- 19h30-21h30: *Workshop Dinner*

09 October

- 09h30-10h15: Nikki Vercauteren (Freie Universitaet Berlin, Germany) -*Scale interactions and anisotropy of turbulence in stable boundary layers.*
- 10h15-11h00: Stephane Vannitsem (Royal Meteorological Institute, Bruxelles, Belgium) - *Is ocean surface wind stress key in the long term predictability of the atmosphere?*
- 11h00-11h30: *Break*
- 11h30-12h15: Sandro Vaienti/Theo Caby (CPT Marseille, France) - *Generalized dimensions as a tool to study the penultimate attractor*
- 12h15-12h45: Davide Faranda (LSCE IPSL CNRS, France) - *Dynamical indicators to study atmospheric flows and climate change*
- 12h45-14h00: *Lunch*
- 14h00-17h00: *Discussions*