

# PHY-EPS hectometric Workshop

DWD, 5-7 February 2024

## Discussion on observations

### Questions discussed

- Do we have the observations to understand if the models are ready?
- Do we have the observations to diagnose high-impact weather forecast?

### Summary of the discussion

- Usefulness of idealized case studies was discussed quite controversially
- Usefulness of intercomparison studies was also discussed quite controversially
  - Too much forcing
  - Should force model with its own analysis
- Are we looking at the correct cases?
  - More extreme cases
  - Not only 1D case (single column)
  - Looking at longer time series
- Making better use of data assimilation
- How to link to EVE initiative (<https://eve4climate.org>) and especially how to ensure that observations remain freely available for research
- For next meeting: doing it more hand-on with a hackathon?

### Some relevant campaigns mentioned during the Workshop:

- FESSTVaL (Field Experiment on submesoscale spatio-temporal variability in Lindenberg) -> <https://fesstval.de/en/>
- ParaChute Programme ->
- Paris RDP (Research Demonstration Project Paris 2024 Olympics) -> [https://www.umr-cnrm.fr/RDP\\_Paris2024/](https://www.umr-cnrm.fr/RDP_Paris2024/)
- TEAMx -> <http://www.teamx-programme.org/>
- WesCon (The Wessex Convection Experiment) -> <https://www.metoffice.gov.uk/research/foundation/observational-studies/wessex-convection-experiment>