

Verification of convection-permitting ensemble forecasts for Air Traffic Management (ATM)

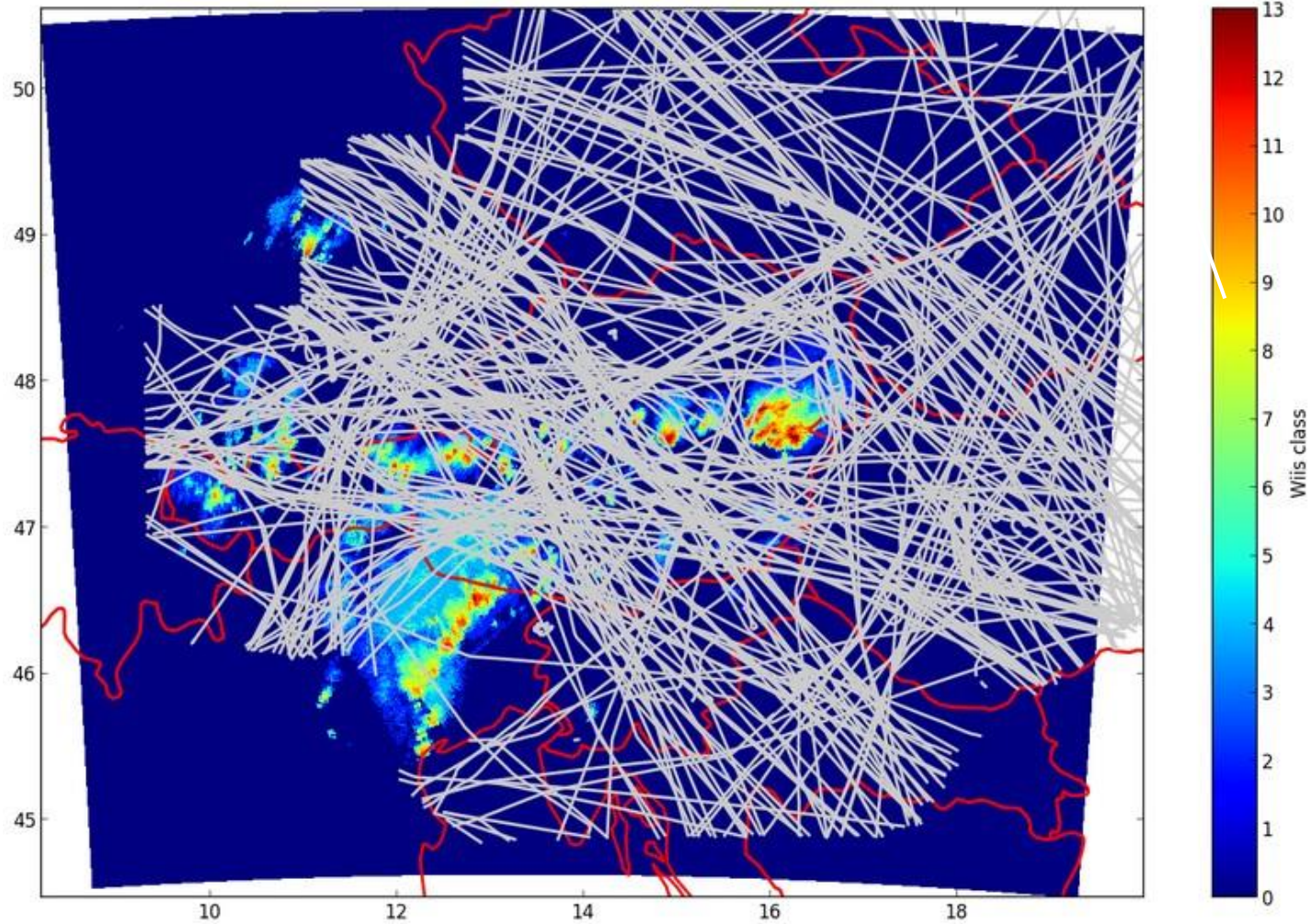
Lukas Strauss

MeteoServe Wetterdienst / Austro Control

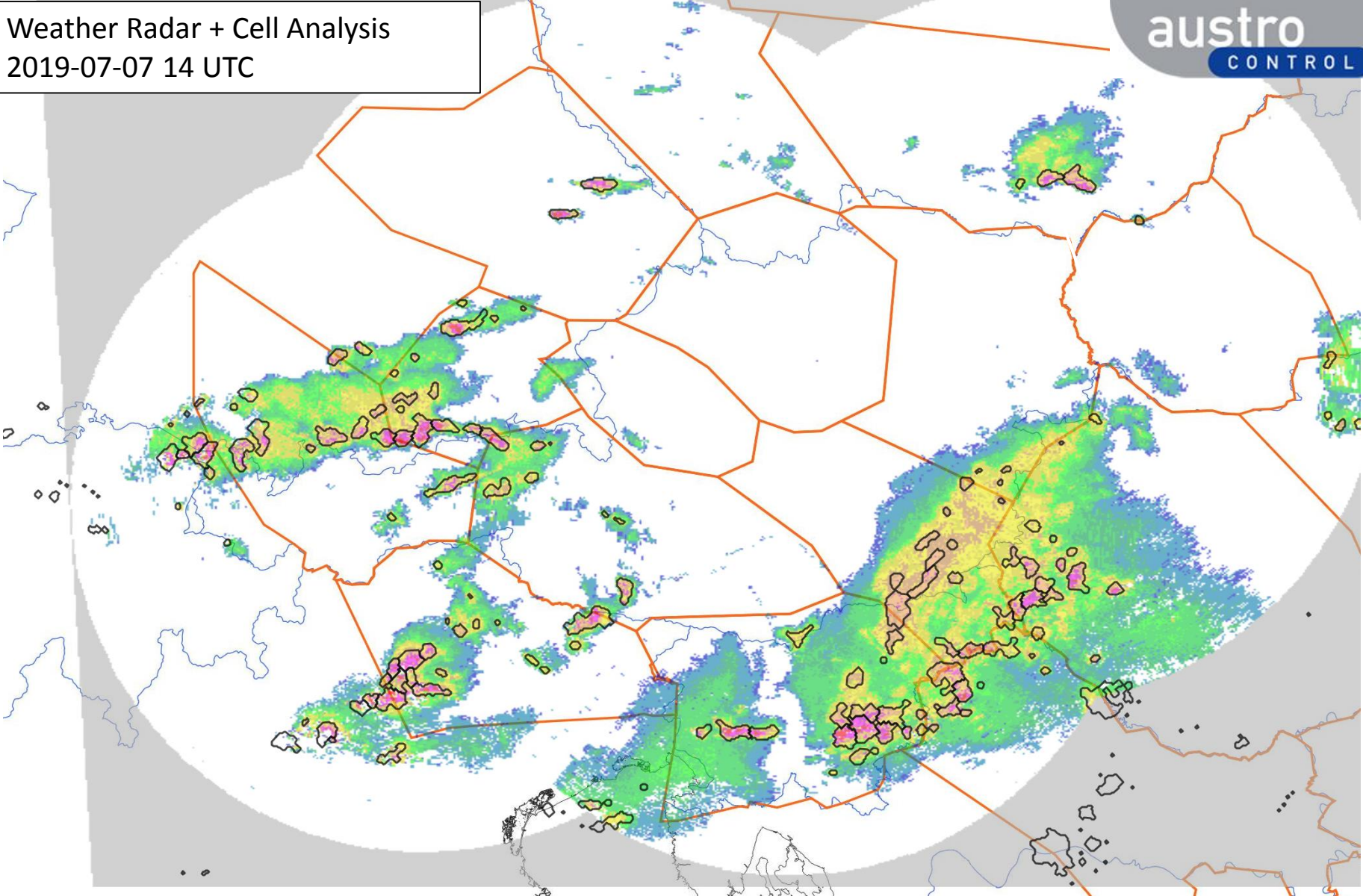
July 2019

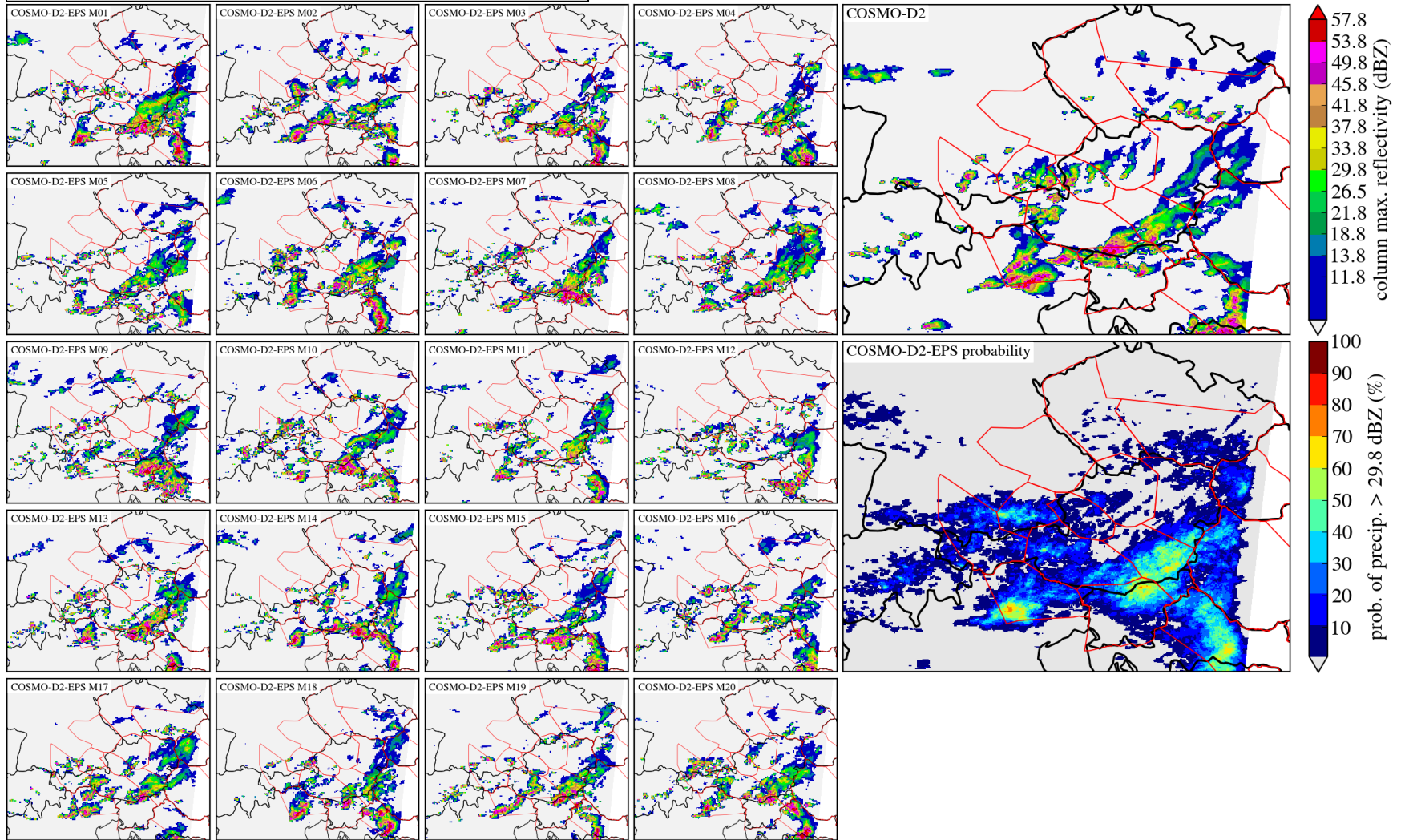
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Weather Radar + Cell Analysis
2019-07-07 14 UTC





Verification of convection-permitting ensemble forecasts for Air Traffic Management (ATM)

Area-wise verification

- convection yes/no
- contingency tables, frequency bias, ROC, reliability, PEV, ...
- sub-areas? timing?
- add other models, e.g., new C-LAEF by ZAMG

Spatial verification / object-based verification ?

- impact of organized convection more severe than of isolated convection
- derive probabilistic information from that – how?
- ...