Agenda for the virtual Research Area A meeting 2021, May 18-19

Tuesday, May 18

13h15: Lunch (Bring your own)
14h00: Welcome & Introduction (Michael Riemer)
Project A7
14h10: Neural Network-based Visual Analysis of Multi-field Ensembles and Meteorological Features (Fatemeh Farokhmanesh)
14h30: Visualization of Data Assimilation (Filip Sadlo)
Project Z2
14h45: State of data compression and future plans (Oriol Tinto)
Project A6
15h05: Distributions and convergence of forecast variables in big convection-permitting ensembles (Matjaž Puh)
15h25: Investigating forecast uncertainty: idealised model experiments with a very large ensemble (Kirsten Tempest)
Break 15h45 – 16h30
Project A3
16h30: Characterization of systematic moisture errors at the midlatitude tropopause (Konstantin Krüger)
Project A1
16h50: An attempt to estimate the intrinsic predictability limit and its relevance (Tobias Selz)
17h10: A multiscale asymptotic model of the meso- and synoptic regimes (Mirjam Hirt)
17h30: Upper divergence induced by convective systems: understanding “the squall line anomaly”? (Edward Groot)
17h50: A feature-based perspective on error growth (Michael Riemer)
Ice breaker
18h05

Wednesday, May 19

Project A2
14h00: Application, implementation and experimental results of the stochastic Galerkin method for cloud simulation (Bettina Wiebe and Kai Werth)
14h30: Turing patterns in clouds (Juliane Rosemeier)
Project A8
14h50: A PV perspective on blocked weather regime life cycles in the Atlantic-European region (Seraphine Hauser)
15h10: Eulerian PV dynamics for blocked regimes: from a case study to climatology (Franziska Teubler)
15h30: The role of local wave activity in the onset of blocked flow: sensitivity studies (Christopher Polster)
Break 15h50 – 16h30
Discussion
16h30: - Collaborations and joint case studies
- Connection to and requirements from the ICON community
- Research questions
- Feedback from Carolyn Reynolds & guests
18h00: Conclusion