

Agenda for the virtual Research Area C meeting 2021
June 9th 2021, 9 am – 5 pm, via Zoom

Time	Presenter	Topic
9:00	Andreas Fink	Introduction
9:10	Andreas Beckert (C9)	Objective 3D Atmospheric Front Detection in Kilometer-Scale Resolution Numerical Weather Prediction Data
9:30	Eva-Maria Walz (C2)	ROC movies, UROC curves and CPA
9:50	Athul Rasheeda Satheesh (C2)	Statistical Forecast of Rainfall using previous days' rainfall as predictors
10:10	Alexander Lemburg (C4)	Causes of short-term forecast errors in maximum temperature during recent Central European heat waves
10:30		Coffee Break
11:00	Sheena Löffel (C8)	Wave Reflection and Polar Vortex Intensification in Winter 2020
11:20	Philip Rupp (C8)	Potential links between tropospheric and stratospheric extremes during the winter of 2019/20
11:40	Xiaoyang Chen (C8)	The role of stratospheric polar vortex in the recurrence of serial cyclone clustering during the winter of 2013/14
12:00	Kameswarrao Modali (Z2)	Comprehensive Cluster analysis of ensemble forecasts using Met.3D
12:20		Lunch Break
13:20	Christoph Fischer (C3)	A novel identification method of weather-relevant Potential vorticity streamers in 3D
13:40	Michael Maier-Gerber (C3)	Probabilistic prediction of sub-seasonal tropical cyclone activity: Lessons learned from a range of distinct modelling approaches
14:00	Lea Eisenstein (C5)	Towards an objective identification of high-wind features within extratropical cyclones
14:20	Benedikt Schulz (C5)	Machine learning methods for postprocessing ensemble forecasts of wind gusts
14:40	Oriol Tinto (Z2)	State of data compression and future plans
15:00		Coffee Break
15:30	ALL	Open discussion with emphasis on the following questions:
		To what extent is the predictability of local weather phenomena linked to synoptic & planetary scale Rossby wave behavior?
		To what extent is the predictability of local weather phenomena limited by boundary layer processes?
		How can we best represent uncertainty in predictions of local weather in a probabilistic framework?