HErZ meets ECMWF

Date: Tuesday, 12 May 2026
Venue: ECMWF-Conference Room (NEST), Robert-Schuman-Platz 3, 53175 Bonn
Organizers: Michael Maier-Gerber, Tobias Necker (ECMWF)
Visitors from Hans-Ertel-Centre for Weather Research (HErZ, DWD)

08:30	20	Arrival at the main entrance / Pickup in the foyer	
08:50	10	Welcome at ECMWF	Vincent-Henri Peuch [1]
09:00	30+5	Physical model development at ECMWF	Tobias Becker [1]
09:35	30+5	Earth system data assimilation at ECMWF	Peter Weston [1]
10:10	30	Coffee break	
10:40	30+5	From Observations to Reanalysis	Paul Poli [1]
11:15	30+5	Data-driven weather models: A new era in meteorology	Mariana Clare [1]
11:50	35	International organisations & career opportunities	Niels Lohmann [1]
12:25	25	Elevator Pitches from the ECMWF-DWD fellows	DWD fellows [1,2]
12:50	60	Lunch break	
13:50	10	Introduction to the Hans-Ertel-Centre for Weather Research (HErZ)	Audine Laurian [2]
14:00	10+5	Opposing entrainment effects of cloud droplet sedimentation during the pre-breakup stage of the stratocumulus to cumulus transition	Moritz Schnelke [3]
14:15	10+5	Cloud-base mass flux and the statistics of shallow cumulus in large-eddy simulations	Jaydeep Singh [3]
14:30	10+5	Mixed-phase clouds in the Southern Ocean: enhancing sub-grid-scale ice content and understanding Seeder-Feeder interactions	Bianca Fusinato [3]
14:45	10+5	Evaluation of unified turbulence-cloud parametrization scheme 2TE	Marius Levin Thomas [3]
15:00	10+5	How and why does humidity change during cold pool passages?	Anja Rapmund [4]
15:15	10+5	How sub-decadal North Atlantic sea surface temperature (SST) variability modulates storm track	Julian Krüger [5]
15:30	30	Coffee break	
16:00	10+5	Climatology of atmospheric rivers-related precipitation over different surface types in the Southern Ocean behaviour	Melanie Lauer [3]
16:15	10+5	Using distributional regression networks to retrieve cloud properties from solar satellite channels for data assimilation	Stefano Franzoni [6]
16:30	10+5	Interpretability of AI weather models via intermediate decoding	Matthias Beylich [6]
16:45	10+5	Using neural networks to emulate sub-processes in ICON-ART	Georgios Evangelopoulos [7]
17:00	10+5	Combining geostationary satellite (MTG-IRS) and ground-based remote sensing observations (microwave radiometer) for improved atmospheric boundary layer profiling	Maria Toporov [8]
17:30		The End	

Affiliations of participants:
1=ECMWF, Bonn; **2**=Deutscher Wetterdienst (DWD); **3**=Goethe University, Frankfurt; **4**=Hamburg University, Hamburg; **5**=Max Planck Institute for Meteorology (MPI), Hamburg; **6**=Ludwig Maximilians University (LMU), Munich; **7**=Karlsruhe Institute of Technology (KIT), Karlsruhe; **8**=University of Cologne, Cologne.

Hans-Ertel-Zentrum für Wetterforschung

Deutscher Wetterdienst
Wetter und Klima aus einer Hand

DWD

ECMWF

Microsoft Teams meeting

Join: https://teams.microsoft.com/meet/393164653433220?p=Xj90DI7bonIMaxj3fr
Meeting ID: 393 164 653 433 220
Passcode: Bq9An3oQ
Need help? | System reference

The HErZ meets ECMWF event will be held hybrid to allow online participation outside of ECMWF. In-person attendance by ECMWF staff in the NEST is warmly encouraged.

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