

Workshop: Warm Conveyor Belts – a challenge to forecasting



Poster presentations

1	Vertical cloud structure of warm conveyor belts – a comparison and evaluation of ECMWF operational analyses, CloudSat and CALIPSO data	Hanin Binder (ETH Zurich)
2	Flow-dependent sub-seasonal forecast skill for Euro-Atlantic weather regimes and the role of warm conveyor belts	Dominik Büeler (Karlsruhe Institute of Technology, Institute of Meteorology and Climate Research)
3	Association of the atmospheric rivers over Southern Ocean/Antarctica with warm conveyor belts	Irina Gorodetskaya (CESAM - Centre for Environmental and Marine Studies, University of Aveiro)
4	Sensitivity of Diabatic Outflow of Warm Conveyor Belts on Ensemble Configuration	Moritz Pickl (Karlsruhe Institute of Technology, KIT)
5	A novel masking technique to investigate atmosphere-ocean interaction over Western Boundary Currents	Fumi Hayashi (Imperial College London)
6	The Origin and Lifecycle of Diabatically Modified PV Anomalies in Atmospheric Blocks: A Case Study	Katharina Heitmann (IAC/ETH)
7	Multi-layer cloud conditions in trade wind shallow cumulus – confronting models with airborne observations	Marek Jacob (University of Cologne)
8	Sensitivity of the warm conveyor belt of a deep cyclone to microphysics and turbulence schemes of the mesoscale model	Marie Mazoyer (CNRM, Météo-France/CNRS)
9	Illustrating Multi-model Ensemble Predictability Across Scales Associated with the Valentine's Day 2019 Storm	Allison Michaelis (Scripps Institution of Oceanography)
10	Dependence of the energy market players on ECMWF weather forecasts	Vasileios Pappas (Trianel GmbH)
11	Quantifying the role of warm conveyor belts and PV cutoffs for the growth of ensemble spread over the North Atlantic	Raphael Portmann (ETH Zürich)
12	PV- and Warm Conveyor Belt Analysis of a North Atlantic Cyclone	Christopher Rausch (ETH Zurich)
13	Properties of warm conveyor belts along the flights of the SAFIRE Falcon during NAWDEX: comparison between airborne remote sensing observations and simulations of the global Météo-France model	Gwendal Riviere (LMD/IPSL, ENS, CNRS)
14	The sensitivity of atmospheric blocking to changes in upstream latent heating	Heini Wernli (ETH Zurich)
15	A portrayal of an orographic Warm Conveyor Belt using observations from aircraft, lidar and radar	Heini Wernli (ETH Zurich)
16	A Lagrangian analysis of upper-tropospheric anticyclones associated with heat waves in Europe	Philipp Zschenderlein (Karlsruhe Institute of Technology)