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KraK - a dedicated group at MET Norway on deep convection

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KraK is a newly established internal group at MET Norway with the mandate to better the understanding and forecasting of deep convection in Norway. This is a permanent offspring of a short-term internal project on tornado and mircrobursts, TorMic.

KraK started in autumn 2019 and consists for now of four meteorologist who are going to be the Norwegian experts on deep convection. KraK will focus on increasing the understanding and warning ability on convective events among all forecasters. An important objective is to suggest more expedient means of forecasting convective features. This also includes to propose changes in the existing warning system as well as improving the forecast methodology and warning tools for meteorologists. Another part of the objective is to maintain a database of days with deep convection in Norway. This database was started in 2018. The intention is to use situations from this database for case studies, and when a sufficient number of situations are covered it can also be used for statistical and climatological studies. KraK is also intended as a international contact point concerning deep convection.

In this contribution we want to show the magnitude of convective events in relative cold environments as there are in Norway. We will also indicate future studies for KraK.