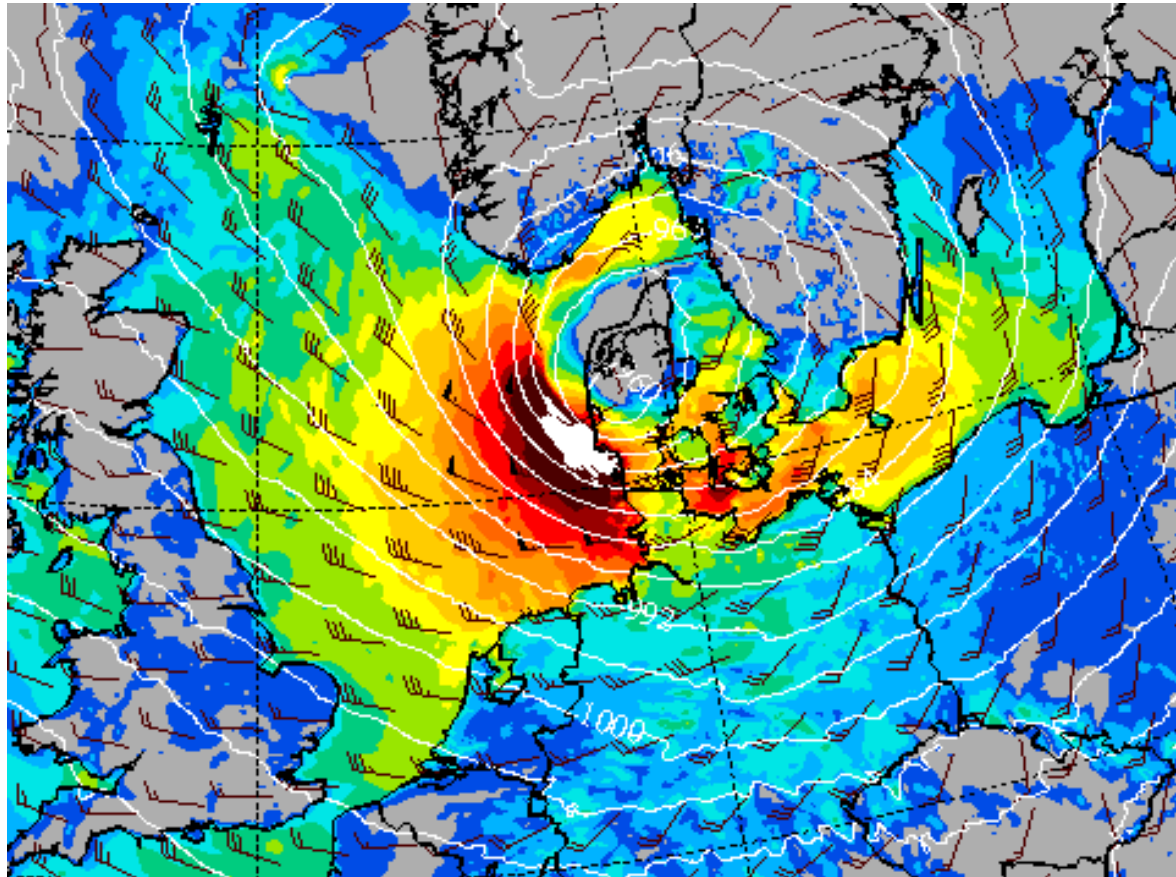


# GNSS4SWEC – GNSS meteorology in Denmark

*Compiled by Henrik Vedel  
Center for Meteorological Models (CMM)  
Danish Meteorological Institute*



## **GNSS network owners**

- **National mapping agency (KMS), order 10 sites. Not directly involved in GNSS meteorology, but RINEX data provided hourly via Chalmers to NGAA for ZTD estimation. More recently also directly to DMI, those data are now processed by ROB.**
- **GPSnet.dk, operated by Geoteam, order 30 sites. At present not involved in GNSS meteorology.**

## **GNSS meteorology research on the geodetic side.**

- **Currently not active, from time to time work at DTU (Technical University of Denmark, Copenhagen).**

## **GNSS meteorology research and development on the met side.**

- **Danish Meteorological Institute active in GNSS4SWEC and other programmes, including coordination of E-GVAP, provision of met data for validation of ground-based GNSS estimates, and production of GNSS RO data products for both assimilation and climate monitoring.**
- **DMI NWP capable of assimilating both ground based and RO GNSS data. Current quality problems of NGAA ZTDs momentariyl limit DMI efforts on detailed assimilation work. Strong focus on NWP nowcasting and convective precipitation calls for this to change.**