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Session 5. - Round table update on new developments within our NMHSs

28th Annual Meeting of the Working Group on Co-operation Between European Forecasters (WGCEF)

Tallinn, 27th - 28th of September 2023

- ✓ 1 new forecaster at the Aeronautical Weather Centre - now operational under supervision, soon certified.
- ✓ 3 new forecasters at the General Forecast Centre - now fully operational
- ✓ On going project of collaboration with local authorities for weather station network improvement is allowing to increase the quantity and quality of surface data
- ✓ New HPC (high performance computer) is pre-operational now.
- ✓ Several operational problems with **VAISALA / Iris Focus** radar software update

Still in 2023, as planed

- updating radar network in Portugal Mainland: 2 single-polarization radars will be completely replaced by dual-polarization doppler radars

Looking forward 2024

- implementation of 2 new dual-polarization doppler radar systems in São Miguel island and in Flores island in Azores archipelago
 - Implementation of a lightning network in Azores
 - Hiring new technicians, including
 - 15 meteorological observers for aeronautic proposes
 - 15 weather meteorologists
 - 3 climatologists
- This is a longstanding project to fill in existing gaps in either in development and forecasting teams and fill in gaps left by soon retiring forecasters

- **Thresholds established at the beginning of the METEOALARM project, based on impact and/ or climatology, are now under study**
- **Collaboration with authorities for better understanding the impact of weather events**



Snow – impact-based thresholds recently reviewed



Wind – impact-based threshold



High/ Low Temperature – climatology-based threshold – under study change into impact-based



Costal Event – impact-based thresholds – under study to better include wave energy and damage



Fog - seriously difficult to assess impacts and set thresholds



Thunderstorm – seriously difficult to assess impacts and set thresholds



Rain – impact-based thresholds – under study