

# ACCORD



## EPS summary and plans

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# Model perturbations

- **Development in SPP in all CSCs**

- Mostly positive impact (Inger-Lise, Laure, Clemens)!
- Good opportunity for collaboration

- **SPPT**

- Still used in addition to SPP (Laure, Clemens)

- **Multi-model**

- GSREPS (Pau)
- SRNWP-EPS database (Alfons)



# Operational implementations and EPS products

- **Many operational implementations in ACCORD (all)**
- **EPS products (Clemens, Alfons)**
  - There must be common interests and opportunities for collaboration
  - Work ongoing in SRNWP-EPS



# Surface perturbations

- **Drying of perturbed members related to soil moisture perturbations (Inger-Lise)**



# Calibration and machine learning

- **We didn't hear much about this!**



# Running in single precision

- **Will become operational at ECMWF soon**
- **Plan to use in UWC-West from 2023**



# ACCORD strategy for EPS

**Achieve a seamless, well-calibrated high resolution ensemble prediction system from nowcasting to 2-3 days ahead**

- Further develop the perturbation methods
- Explore ensemble performance for extreme weather
- Further develop an ensemble calibration approach
- Develop user-oriented approaches of common interest

# Working together

- **Promote collaboration with “new” colleagues from the other teams**
- **Physical working weeks for the EPS group**
- **Topical online meetings**
- **Contact to other areas in ACCORD**

