

# ACCORD

A Consortium for COnvection-scale modelling  
Research and Development

## **Summary:**

## **Meteorological quality assurance and applications**

Carl Fortelus, 8 April 2022, ACCORD All Staff Work Shop, Ljubljana & video-conference

# 7 Speakers

- FORTELIUS Carl:
  - [Practices of meteorological quality assurance - outcome of the MQA questionnaire](#)
- SINGLETON Andrew:
  - What's happening in harp...
- BAZILE Eric:
  - [AROME news at Meteo-France: E-suite but not only ...](#)
- SCHEFFKNECHT Phillip :
  - [Comparing Models: Sever Weather Verification at ZAMG](#)
- TASCU Doina-Simona:
  - [Verification activities in RC-LACE](#)
- DEVINE Kevin:
  - Using machine learning methods for forecasting fog at Irish airports.
- SANCHEZ PERRINO Juan Carlos:
  - [Evaluation of the new version of HARMONIE-Climate modelling system - HCLIM43](#)

# Summary of MQAA session (1)

## beyond simple summary scores (bias, rmse,..)

- **demand and application of spatial methods:**
  - **supporting data/software, e.g. lightning, hail**
- **evaluating e-suites, novel methods, and case studies**
  - **LACE data base for case studies**
  - **examine the impact of dynamics options**
  - **consider the spatial variability and the representativeness of point observations and grid point values**
  - **chose metrics that respect the statistical nature of the phenomenon, e.g. rare events**
- **need to condense information: panelification tool, use of score cards**

# Summary of MQAA session (2)

- **vigorous activity in/around harp**
  - **training, ww on harp default verification**
  - **growing use, e.g. interface to OPLACE**
  - **code refactoring, extensions incl. scores as function of valid time, vertical profiles, etc**
- **lessons learned from climate runs: evaporation and cloud cover cause concern in HCLIM43**