

# ACCORD

A Consortium for COnvection-scale modelling  
Research and Development

DYNAMICS

ACCORD ASW 04-08 april 2022

# This year presentations

- Coupling in RCLACE : how to compress coupling files to reduce size, it is OK to keep only the frame.
- ACCORD at hectometric scales : Temporal and Spatial aspects of physics-dynamics coupling : having longer timesteps for physics, perform radiation scheme at coarser resolution.
- Hectometric-Scale Experiments at Met eireann, 2.5km versus 750m versus 500m.

# outlook/discussion

- LBC file compression : should we increase the coupling frequency ?
- Different timestep for physics and dynamics : not part of our working plan, to be further discussed, at least investigation should be made to evaluate the cost
- Hectometric scales forecasting concerns the future operational resolutions, improvement is expected, but the vertical resolution also matters. The small size of the domain might be problematic. It is fully part of the current working plan, not only for dynamics, there are important physics and validation aspects.