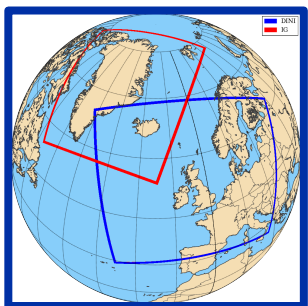


United
Weather
Centres

Present and future use of satellite data in United Weather Centres West

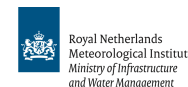
Isabel Monteiro (KNMI), Fabrizio Baordo (DMI), Eoin Whelan (Met Éireann), and Mats Dahlbom (DMI)



HARMONIE-AROME @ 2km, 90 levs, 3D-Var, continuous EPS and deterministic, AMVs, RO, ASCAT, MW sounders (AMSUA, MHS, ATMS, MWHS2), IR sounders (IASI, CrIs) from 9 sat.

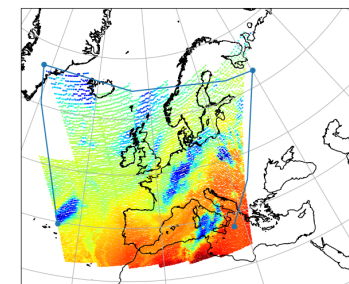
Parallel 4D-Var suite, targeting operations in near future

Dynamic emissivity, MW over sea ice



Progress HARMONIE-AROME 4 D-Var.

- MTG-IRS.
- Implementation the “all-sky” framework



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Alice Abramowicz, *Prototype for bias-correction of microwave radiance observations using machine learning methods* (**S7, Friday May 9** Exploitation of AI and ML).



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Erik Dedding: *Towards a full exploitation of satellite radiance information using transformed retrievals in HARMONIE-AROME 4D-Var* **Poster 17p.01**