



Analysis of a HARMONIE-climate-mode simulation

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The NWP model HARMONIE (Hirlam Aladin Regional Mesoscale Operational NWP In Europe, Seity et al., 2011) in climate mode has become the main regional climate model at MET-Norway. A 10 year simulation for an area covering Scandinavia and large parts of the Barents Sea has been produced. HARMONIE contains physical parameterization packages tailored for different resolutions. We have used 12 km horizontal resolution and ALARO physics. A simple ice scheme has been implemented. The model has been forced by ERA-Interim (Dee et al., 2011). In sea-ice-covered areas, ERA-Interim surface temperature is used by analogy with ERA-Interim sea surface temperature in sea-ice-free areas. The simulation has been compared to the NORA10 archive (Reistad et al., 2011) and shows promising results.

References

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