



On the use of surface observational data sets for Short Range Numerical Weather Prediction

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The EUMETNET Short Range Numerical Weather Prediction (SRNWP) Expert Team on surface processes allows scientific collaborations among European consortia (ALADIN, LACE, HIRLAM, COSMO, MetOffice) on topics of common interests. One important area concerns the evaluation of surface parameterization schemes using local scale measurements providing quantities that are not available in routine through the Global Telecommunication System (e.g. turbulent fluxes, soil moisture contents, ...). Another issue is the availability of high resolution databases for characterizing the various surfaces present at the lower boundary of atmospheric models (e.g. lake fraction). In my presentation I will summarize recent efforts undertaken in these two areas by our Expert Team and explain the remaining issues.