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## Verification of COSMO model over Poland

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The Polish National Weather Service and Institute of Meteorology and Water Management - National Research Institute (IMWM-NRI, Warsaw, Poland) joined the Consortium for Small-Scale Modeling (COSMO) in 2002. Thanks to cooperation in the consortium the meteorological model COSMO is run operationally at IMWM-NRI at both 2.8km and 7km horizontal resolutions. In research mode, data assimilation tests have been carried out using a 6-hourly cycle nudging scheme.

We would like to present verification results of the COSMO model, comparing model generated surface temperature, wind and rain fall rates with the Synop measurements. In addition, verification results of vertical profiles for chosen variables will also be analyzed and presented.

The verification is divided into the following areas: i) assessing impact of data assimilation on the quality of 2.8km resolution model forecasts by switching data assimilation on and off, ii) spatio-temporal verification of model results at 7km resolution and iii) conditional verification of selected parameters against chosen meteorological condition(s).