

Project: **950**

Project title: **Model Output Statistics (MOS) to compliment of regional field climate data measurement in Indonesia**

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We successfully ported our downscaling model chain - Weather Research & Forecasting Model, WRF V3.5) coupled to the Community Land Model CLM4- and the driving scripts from the Blizzard operation system to the Mistral.

The model chain is now running on Mistral and will deliver downscaled weather data in a resolution of 1 x 1 km for the period 2010-2013 until the end of this year.

We are tested several model output statistic methods for the subsequent data gap-filling on measured weather tower data in located in Siberia ($60^{\circ} 48' \text{ N}$, $89^{\circ} 21' \text{ E}$) against existing model runs.

Based on the result of those experiments we opted for a multiple back propagation network for data gap-filling.

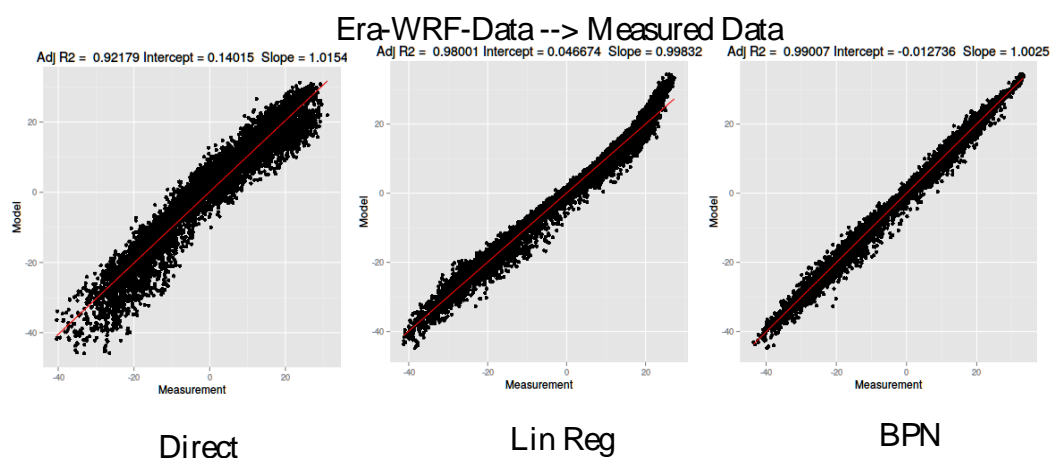


Fig.: Comparison of gap-filling methods