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ECMWF Ensemble Forecast Application in Wind Energy Forecast

51 members ECMWF ensemble forecast were widely applied into more than 500 wind farm energy forecast over different kinds of terrain in China. A proper post-processing of 51 members were found to be a key for improving the wind forecast accuracy. A new classification method were developed for post-processing of ensemble forecast. The new method performance were verified using wind turbine observation.

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