



## **Applicability of the FMI Road Weather Model (RWM) for use in winter maintenance activities for the Dutch highways.**

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KNMI is making arrangements to provide winter road maintenance services (forecasts, meteorological advice) for the Dutch road authorities (Rijkswaterstaat), starting next winter (2015/2016). A relevant part of these services is the provision of forecasts for relevant weather parameters and road surface conditions for almost 300 locations on the Dutch highways.

To assess the performance of KNMI's road model, a joint FMI-KNMI project to obtain insight in the applicability of the FMI Road Weather Model (RWM) for use in winter maintenance activities for the Dutch highways was started. The FMI Road Weather Model has been in operational use since 2000, after development of the model was initiated in the early 1980's. The driving atmospheric model Harmonie, is used operationally by FMI and KNMI.

The project started with collecting relevant input data for rerunning the RWM. Input data consist of meteorological observations from KNMI weather stations and observations from road weather sensors from Rijkswaterstaat. After relevant and interesting test cases during the winter of 2014/2015 were identified, the FMI road model was then tuned for the Netherlands and the results were analysed.

During the presentation, the results of this co-operation are presented and discussed.