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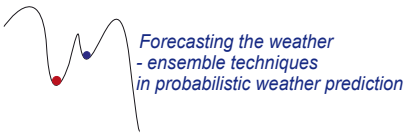

Validation approach for the microscale model ENVImet using a newly implemented measurement network

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In numerous publications about the microscale meteorological model ENVImet (by M. Bruse), questions of model validation arise. For this highly complex model, an expedient validation may generally be difficult. In our analysis, performed in the framework of a project on urban system studies (MILIEU), a validation approach has been tested applying data from a newly implemented measurement network. This network includes standard meteorological weather stations as well as different kinds of continuous under-canopy stations that have been installed several months ago. The data provide a good basis for test runs examining the absolute values and variations within the model output. The results show a general agreement but also severe biases for maximum air temperature, soil temperature and other important parameters.