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**Subject: Review of the habilitation thesis by Dr. Michal Belda**

I have reviewed the documents sent to me in relation to the habilitation thesis by Dr. Michal Belda including the habilitation thesis and the Turnitin plagiarism analysis.

The thesis entitled "Modeling the Climate System Across Scales" discusses general problem of modelling atmospheric flows across scales and author's contributions on 15 pages in total including the list of publications. The publications include five first-author papers and contributions to 4 multi-author papers. Papers demonstrate Dr. Belda's ability to successfully participate in national and international projects using numerical modelling and to carry out research analysis of climate models. The focus of the papers and projects is on regional and urban climate and they are mainly published in two respected European journals, Climate Research and Geoscientific Model Development between 2014 and 2021.

It is not clear to me what is the purpose of the habilitation, i.e., the position hold or applied for by Dr. Belda. But, I can state that research presented in the papers is of a good scientific quality and based on the state-of-the-art models for global/regional/urban climate. In particular, it can be considered valuable on national level as every country has to apply/tune weather and climate numerical models, and especially models for urban climate.

Overall, I consider the papers sufficient for a researcher position or a lecturer in meteorology and climatology.

Your sincerely,

Prof. Dr. Nedjeljka Žagar