

Outcomes and challenges of global high-resolution non-hydrostatic atmospheric simulations with NICAM

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Abstract:

I will present the overview of the studies with the global high-resolution atmospheric model called NICAM (Non-hydrostatic Icosahedral Atmospheric Model) by using the high performance computers in Japan, particularly focusing on S2S simulations by NICAM. I will also introduce the preliminary results from the project DYAMOND which is the first inter-comparison of global storm-resolving models.