

Innovative numerical weather predictions and advanced weather disaster prevention based on damage-level estimation

*Hiromu Seko^{2,1}, Takemasa Miyoshi³, Kazuo Saito^{1,2}, Hiroshi Niino⁴, Tetsurou Tamura⁵, Masaru Kunii¹

1.Meteorological Research Institute, 2.Japan Agency for Marine-Earth Science and Technology,
3.RIKEN Advanced Institute for Computational Science, 4.Atmosphere and Ocean Research Institute,
The University of Tokyo, 5.Tokyo Institute of Technology

In the project of 'Innovative numerical weather predictions and advanced weather disaster prevention based on damage-level estimation' of Fields 4: 'Advancement of meteorological and global environmental predictions utilizing observation', the studies which increase the leading time of severe weathers such as local heavy rainfalls and Typhoons will be conducted by using the next generation super computer 'K' and 'Post K' and Big observation data (e.g. Himawari-8 and the Phased array radar data). In the presentation, the objects and results of this project will be presented.