

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

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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 results of 2016 financial year will be presented.