



The studies on the customized impact forecasts in Korea

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ABSTRACT

It is expected that hydro-meteorological hazards will be increasing in number and intensity due to the climate change in near future. Thus, the effective and cooperative risk reduction framework at local and regional levels has now emerged as the core strategy for minimizing hazards and managing disasters.

In this regard, KMA (Korea Meteorological Administration) plans to start risk-based warning system from 2020. From the year of 2016, in order for the success of it in Korea, KMA has been carrying out several pilot projects of user-oriented impact-based warnings for heat wave, flash flooding, heavy rain and snow etc.

In this talk, we present the results of the pilot projects and discuss the usefulness of risk matrix approach which has been widely used in the study. We further discuss what we need to develop for the success of impact forecasting in the future from our experiences.