



The development of social-economic impact database caused by high-impact weather in Korea

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To implement impact-based forecast, comprehensive analyze of correlation between severe weather and its impact is indispensable. For the analysis, well organized data is required. However, currently available statistical data of natural disaster is not enough to understand the effects caused by severe weather phenomenon in Korea.

To overcome this problem, we collected new data of weather impact from articles. The data were analyzed and classified according to the risk level. Using the data, region thresholds were set based on the weather types such as rain, snow, wind. And then, Several case studies have demonstrated that impact-based warning with different threshold for different region is better than same meteorological threshold for warning.

Therefore, it will contribute to convert current risk warning system, which is warning based on fixed thresholds, to impact-based warning.