

Development of typhoon hazard map and typhoon-shot project; Change the "threat" of a typhoon into a "grace" by 2050!

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Typhoon Faxai, also known as “Reiwa 1 Boso Peninsula Typhoon” , made landfall in the Kanto region in September 2019. It was the strongest typhoon to make landfall in the region since 1991, the year the Japan Meteorological Agency (JMA) began to keep such records. The extreme winds of this typhoon left scars that exposed the vulnerabilities of the metropolitan area in Japan. A year earlier, the extremely powerful Typhoon Jebi in 2018 passed through western Japan, causing devastation to the Kinki area. According to the General Insurance Association of Japan (GIAJ), the damage caused by Typhoon Jebi resulted in the highest claims ever paid for wind and flooding damage in Japan. Typhoons remain a serious threat despite recent advances in science and technology. We meteorologists are working on the new challenges highlighted by typhoons in recent years. My presentation will introduce the typhoon hazard map developed by the latest research results and new project for typhoons, typhoon-shot project; change the "threat" of a typhoon into a "grace" by 2050.

Keywords: Typhoon, hazard map