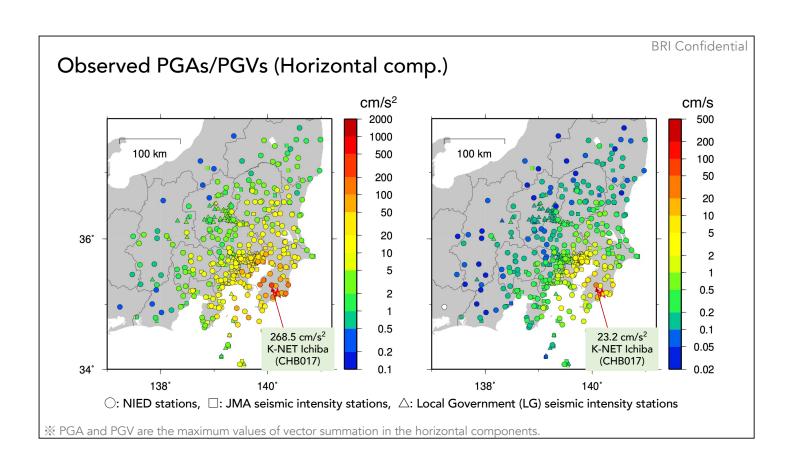
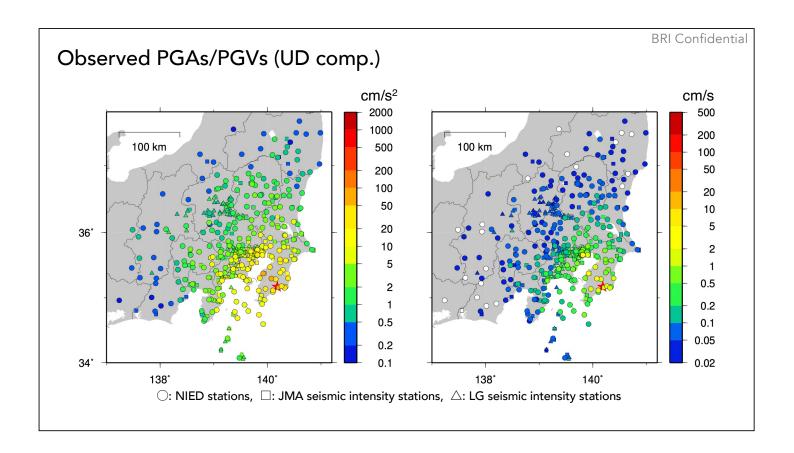
Strong Ground Motions

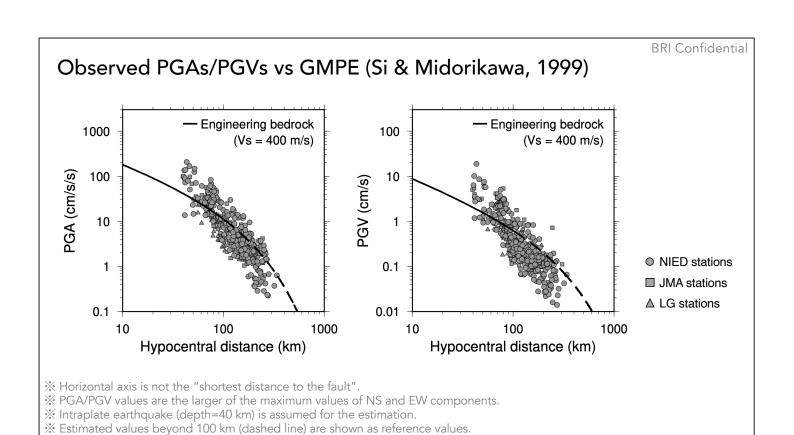
Southern Chiba Prefecture earthquake on May 11, 2023

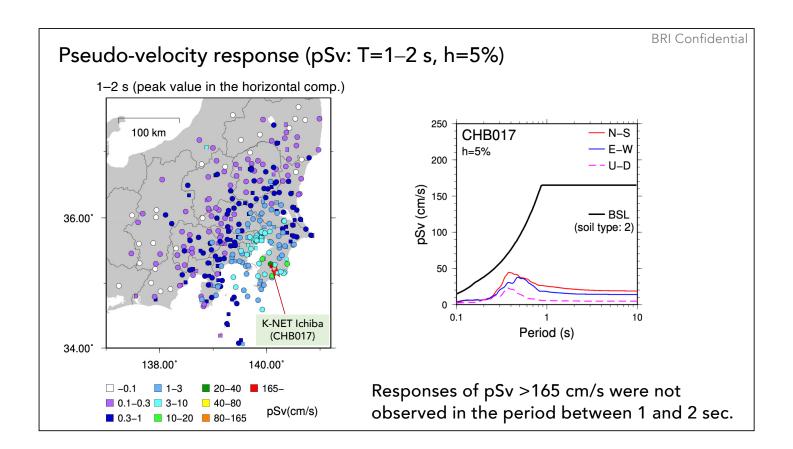
IISEE, Building Research Institute

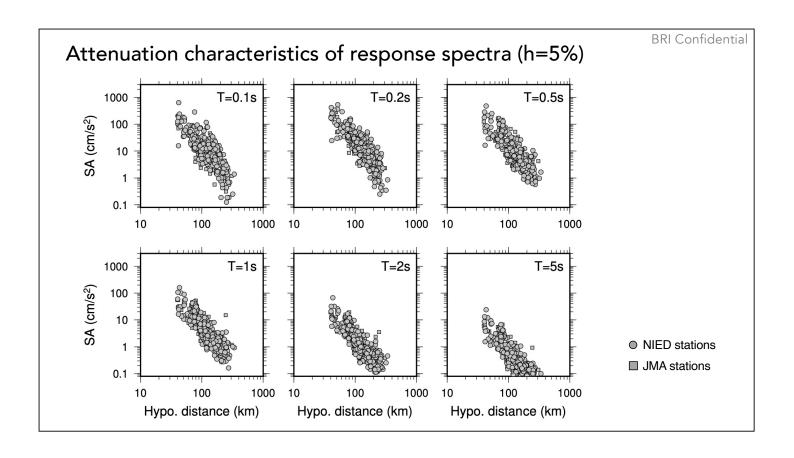
May 18, 2023











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Summary

-Southern Chiba Prefecture earthquake on May 11, 2023-

The largest PGA and PGV were recorded at K-NET station Ichiba (CHB017).

The seismic intensity of 5-upper was measured at LG Fujimi station, but seismic intensities at K-NET station Kisarazu (~1 km from Fujimi) and JMA station Ota (~2 km from Fujimi) were both 4, suggesting the possibility of a local amplification effect at Fujimi.

Acknowledgments:

We used K-NET and KiK-net strong-motion data provided by the National Research Institute for Earth Science and Disaster Resilience; NIED), Japan https://www.doi.org/10.17598/NIED.0004

We used accelerograms from JMA seismic intensity meters and PGA/PGV information provided by local governments (SK-net).

We used hypocenter information determined by NIED Hi-net. Response spectra were calculated using the subroutine program developed by Osaki (1994). Figures were prepared using Generic Mapping Tools (GMT: Wessel and Smith, 1998).