Implementation Structure

■ Representative Organizations: **National Research Institute for Earth Science and Disaster Resilience**

Principal Investigator:

Hisahiko Kubo (Chief Researcher, Network Center for Earthquake, Tsunami and Volcano)

Research Participants:

Katsuhiko Shiomi (Deputy Director-General, Earthquake and Tsunami Research Division)

Kaoru Sawazaki (Chief Expert Researcher, Network Center for Earthquake, Tsunami and Volcano)

Lina Yamaya (Postdoctoral Researcher, Network Center for Earthquake, Tsunami and Volcano,)

■ Contributing Organizations: **University of Yamanashi**

Research Contributors:

Takashi Miyamoto (Associate Professor, Faculty of Engineering Department of Civil and Environmental Engineering)

■ Collaborating Organizations
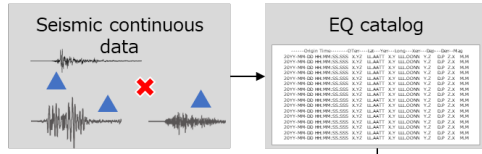
Research Collaborators:

Yosihiko Ogata (Professor Emeritus, The Institute of Statistical Mathematics)

Takahiro Omi

Yoshiki Yamaguchi (Professor, Institute of Systems and Information Engineering, University of Tsukuba)

Hirotaka Hachiya (Associate Professor, Faculty of Systems Engineering, Wakayama University)
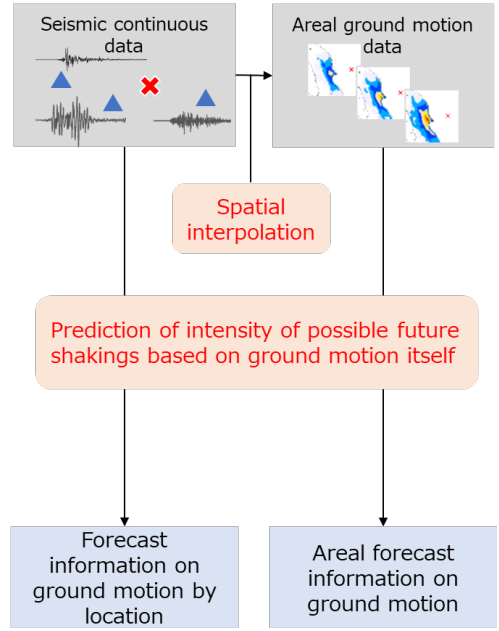
Fig. 1. Two forecasting approaches that this research project aims to achieve.
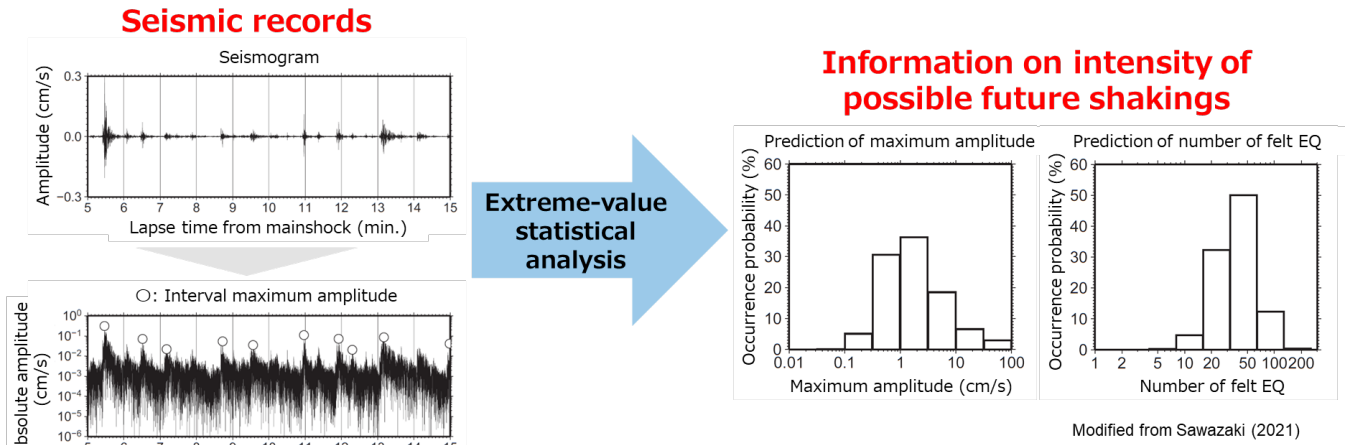

Fig. 2. Flow of forecasting shaking intensity based on ground motion itself using extreme-value statistical analysis.
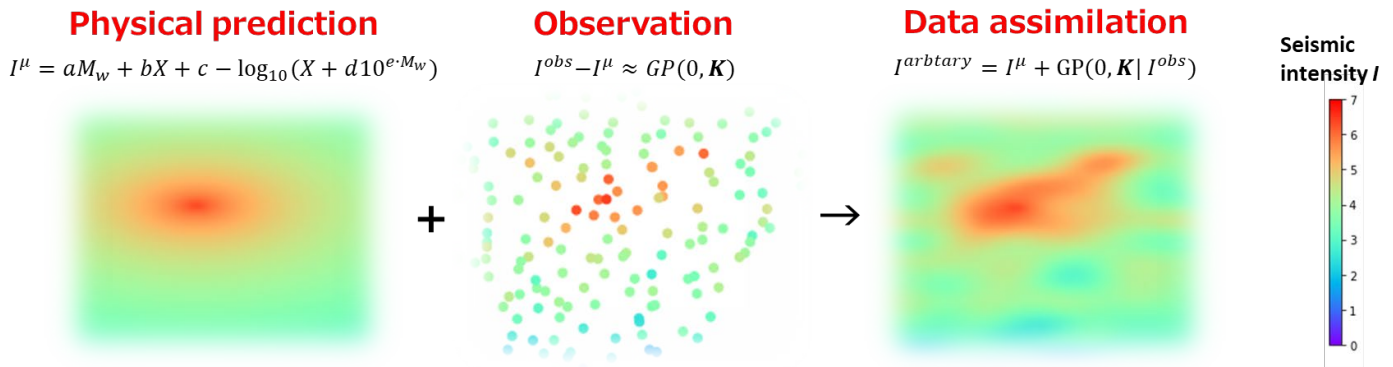

Fig. 3. Image of spatial interpolation of ground motion by data assimilation using Gaussian process regression.