

# Japan Geoscience Union Meeting 2011

(May 22-27 2011 at Makuhari, Chiba, Japan)

©2011. Japan Geoscience Union. All Rights Reserved.



HDS028-P02

Room:Convention Hall

Time:May 24 16:15-18:45

## Development of estimation system for earthquake ground motion by "Scenario earthquake shaking map"

Shigeki Senna<sup>1\*</sup>, Hiroyuki Fujiwara<sup>1</sup>

<sup>1</sup>NIED

Recently, the number of analysis cases has increased according to the earthquake ground motion estimation of a local government and national projects, etc. However, it is not in the situation in which the earthquake ground motion estimation results can be examined enough in still a lot of laboratories and private companies. In this study, the tools are development for the efficiency improvement of the setting though the system that calculates the earthquake ground motion estimation and the earthquake ground motion by the distance attenuation relationship system (1) and the hybrid method system (2) and the interoperability system using Cloud technology (3) is being developed by NIED as for it. The process of the investigation can be shortened in using the above-mentioned system. It was executed for (1), (2) and (3) that had been shown about the development of an easy, comprehensible GUI tool in this research material. As for the interoperability system using the Cloud technology, it is scheduled to examine it in the future.

Keywords: Scenario earthquake shaking map, Attenuation Relations, GUI, Cloud computing, Interoperability