

# Japan Geoscience Union Meeting 2011

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MGI031-P05

Room:Convention Hall

Time:May 25 16:15-18:45

## e-Space Weather: A New Space Weather Web

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At NICT (National Institute of Information and Communications Technology) we are now developing a new research environment named "OneSpaceNet". The OneSpaceNet is a cloud-computing environment, which connects many researchers with high-speed network (JGN: Japan Gigabit Network). It also provides the researchers rich resources for research studies, such as super-computer, large-scale disk area, licensed applications, database and communication devices. What is amazing is that a user simply prepares a terminal (low-cost PC). After connecting the PC to JGN2plus, the user can make full use of the rich resources via L2 network. Using communication devices, such as video-conference system, streaming and reflector servers, and media-players, the users on the OneSpaceNet can make research communications as if they belong to a same (one) laboratory: they are members of a virtual laboratory.

We present web applications for space weather working on the OneSpaceNet. A variety of web-based services are in progress on the OneSpaceNet. Demonstrations for these web will be at our poster board.

Keywords: NICT, Space Weather, Web Application