

# Japan Geoscience Union Meeting 2011

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

©2011. Japan Geoscience Union. All Rights Reserved.



GEJ020-01

Room:301A

Time:May 22 09:00-09:15

## Science class using a digital 3-D globe, Dagik Earth

Akinori Saito<sup>1\*</sup>, Takuya Tsugawa<sup>2</sup>, Daiki Yoshida<sup>1</sup>

<sup>1</sup>Kyoto University, <sup>2</sup>NICT

We have developed a portable, scalable and affordable 3-dimensional digital globe system to present the Earth scientific results. It is called Dagik Earth. Dagik Earth is an educational project to enjoy the scientific outputs on the earth and planets with three-dimensional digital globe in classrooms, science centers and home. Several science class and workshops of Dagik Earth have been done in elementary schools and junior high schools. Especially in junior high schools, science class on the weather system in Japan has been carried out in several times. The 3-dimensional globe can be attached on the black board, and the Earth images with clouds can be projected on the globe. The three dimensional presentation is the only way to present the correct shape on the Earth while any map distorts the shape. In the presentation, we introduce the system of Dagik Earth, educational programs using it.

