Japan Geoscience Union Meeting 2012
(May 20-25 2012 at Makuhari, Chiba, Japan)

G02-03 会場:203 時間:5 月 21 日 11:15-11:30

デジタル立体地球儀ダジック・アースを用いたアウトリーチ活動
Public outreach activity using a digital 3-D globe, Dagik Earth

齊藤 昭則 [1*], 津川 卓也 [2], 宮崎 真一 [1]
SAITO, Akinori[1*], TSUGAWA, Takuya[2], MIYAZAKI, Shin'ichi[1]

[1] 京都大学大学院理学研究科地球物理学教室, [2] 情報通信研究機構
[1]Dept. Geophysics, Kyoto University, [2]National Institute of Information and Communications Technology

A portable, scalable and affordable 3-dimensional digital globe system, Dagik Earth, is developed to present the Earth scientific research works. It uses a spherical or hemispherical screen to project data and images of the Earth and planets. The three dimensional presentation is the only way to present the correct shape on the Earth while any map distorts the shape. Furthermore it helps audience to understand the scale size of the Earth and planetary phenomena in an intuitive way. Dagik Earth has been used in public outreach programs of universities and research institutes. Several sets of the hardware are ready for rent to scientists, science museums and school teachers. The development of software is carried out to improve the interface and scientific contents. International collaboration with Taiwan, Thailand, and other countries is in progress. In the presentation, we introduce the system of Dagik Earth and public outreach program using it.

キーワード: デジタル地球儀, 可視化