

## Public Outreach Activities on the Earth and Planetary Sciences using Dagik Earth

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Public outreach activities on the Earth and Planetary sciences using Dagik Earth, a digital globe project, will be introduced. The 3-dimensional presentation of the Earth and planets is the best way to show phenomena and data of the Earth and planets in the global scale with exact shape. There are several projects of the 3-D digital globe to show the Earth and Planetary science data, such as Geo-Cosmos of Miraikan, Japan (2001), and Science On a Sphere of NOAA, USA (2002). These presentations are large in size and cost, and difficult to use in classrooms and public outreach programs. Dagik Earth is a simple, portable and affordable 3-D presentation system of digital globe. It has been developed since 2007 by a group led by Kyoto University. The software is available with free of charge for the scientific and educational usage. It uses a spherical or hemispherical screen to project data using normal PC and PC projector. The minimum size is 8cm and the largest size is 16m in diameter. In the presentation, the public outreach activities on the Earth and Planetary Sciences using Dagik Earth will be introduced.

Keywords: Digital Globe, 3D, Public Outreach, Classroom, Exhibition, Open campus