

Public outreach and education activities using digital globe system, Dagik Earth

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Dagik Earth is the digital globe system that is used widely for public outreach and education activities of the Earth and planetary science. Digital globe is a powerful tool to present the Earth and planetary science data with exact shape, and make audiences understand it intuitively. There are several large-scale digital globe systems, such as Geo-cosmos of Kagaku-miraikan, Japan, and Science-On-a-Sphere of NOAA, USA. Dagik Earth is a simple and low-cost system that can be used for exhibitions and classes. Several research institutes have utilized it for permanent exhibitions in their institute, booth exhibitions in meetings, and public outreach events. Dagik Earth is widely used in schools and science museums. The Dagik Earth materials of the cutting edge scientific results can be developed by research institutes for their exhibitions, and used also in classrooms and science museums. The current status and problems of the public outreach and education activities in collaboration among scientists, science museums, and schools will be reported in the presentation.

Keywords: Digital globe, Science education, Science exhibition