

GSC020-P02

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## Outreach activities at the science museum - communicating IODP research

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Science museums are a one of the most effective places to present scientific topics to the public. The museums can tell about the most-advanced science and technology in easy understanding contents, and explaining these activities are parts of the function of the museum.

The Integrated Ocean Drilling Program (IODP) in an international marine research drilling program that leads to advanced scientific understanding of the Earth by drilling and sampling seafloor environments. It is essential to show the contents of the activities of this program to the public and to gain understanding for the significance of its contributions for revealing the history of Earth and life and environment, to obtain long-term societal support. Some outreach activities about the program have already been carried out in the field of education.

During the JOIDES Resolution IODP Expedition 324, which lasted 2 month from Sep. to Nov. 2009, outreach activities were conducted at the National Museum of Nature and Science, Japan, which is one of the biggest science museums in Japan. For this purpose and outreach staff from the museum sailed on this expedition along with the international scientific party.

The outreach activities are entitled 'Outreach for Integrated Ocean Drilling Program: Front-line marine research "Drilling the Earth? - JOIDES Resolution Journey for Understanding the Earth Expedition 324"', The National Museum of Nature and Science, Japan, Japan Drilling Earth Science Consortium (J-DESC) and, the U.S. Implementing Organization (IODP-USIO) cooperated to form this outreach programs. And, it was backed by the Japan Agency for Marine-Earth Science and Technology (JAMSTEC). The activities included:

1. Special exhibition at the museum, which showed the importance and contents of the research of IODP, explanation of the drilling vessel, and Expedition 324,
2. Live broadcast from the JOIDES Resolution to National Museum of Nature and Science, Japan and a subsequent talk about related contents by researchers and staffs at the museum exhibition floor.,
3. Daily blog-type report from the ship on the museum website.,
4. Special leaflets, which explain IODP and the related other exhibitions in the museum,
5. Special games by using the leaflet and the regular exhibitions of the museum,
6. Excursion to the JOIDES Resolution for museum visitors.

We will report the details of these set of outreach activities and document and evaluate the feedback that we got from visitors that participated in those activities.

Keywords: IODP, Science Museum, Outreach activities, exhibition, programs