

## Difference between "recognition" and "discussion-promotiv" type science cafes for the earth science and its significance

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Earth and planetary science cover various fields of science and technology so that it is clear that earth and planetary science is one of the most important fields of academic area for the our society. However, public have few opportunities to be consciously exposed to the field. Therefore, it is important that we make the chance can make the public feel interested in the field. Some outreach activities and science events have been performed and held to solve this problem in this decade. As a result, interactive communication of this field between scientists and the public has been considered to be important way. Of course, it certainly doesn't apply only to the field, and interactive communication events about various science area is increasing from its interest. The communication which is mediated with scientific knowledge and perspectives is called as "science communication".

The science event using science communication facilitates participation and communication of participants by lowering the entry levels and talking about technical terms as familiar information for public. We established "Universal Earth" as science communication group in the earth and planetary sciences field and have performed science events so far. As a result, the issues which have the aspects of scientific and social topics have come to light through. And also we have considered that the science communication is consisted of three phases at least and the necessity of capturing the communication for each stage. The first is "recognition of the topic", the second is "discussion in the topic", and the third is "combination of the scientists and the public mediated by the two-way communications". We have focused and practiced for the second and the third ones noted above with holding science cafes and symposiums, but not for the first one.

In this presentation, we will report the results of two "discussion-promotive type" science cafes held in 2014. In addition, we consider and infer about the suitable way(s) of the science cafes and science communication for the earth and planetary sciences.

Keywords: science cafe, interactive communication, earth and planetary science, outreach, discussion