

[JJ] Evening Poster | U (Union) | Union

[U-08]Developing the Future Plan and Road Map for Earth and Planetary Science Research

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This session offers an opportunity for scientists from across the country to discuss what it takes to advance earth and planetary science research. This comes at a time when the Science Council of Japan is preparing to revise the Masterplan for Advancing Major Academic Research in 2020. In order to advance earth and planetary science studies, it is essential to have an action plan that provides the framework for building upon basic and applied research work by individual scientists to further expand the scopes of the studies. Thus, this session aims to engender discussions and ideas that would help further flesh out the Dream Roadmap for Science and Engineering Research as part of the masterplan. Cognizant of the importance of defining steps to reach its goals, the Science Council of Japan has created the masterplan, which includes the roadmap. In earth and planetary sciences, there is a separate roadmap for each of the following: Space and planetary science; hydrospheric atmospheric science; human geosciences; solid earth sciences; and earth life sciences. This segmentation corresponds with how the Japan Geoscience Union subdivides the field. The masterplan 2017 calls for large-scale research projects on 12 different themes. Of those, seven projects were selected for hearings before the Council chose one of them as the Focus large-scale research project. This Union Session kicks off the project to take a close look at the changes that occurred in the field of earth and planetary sciences since 2014 and update each of those roadmaps with the nuts and bolts. The new roadmaps should reflect the large-scale projects being considered in each research segment as well as cross-segment projects. The session should spur ambitious proposals and active discussions about the future of earth and planetary sciences and roadmaps for research in all of the five segments as well as cross-segment research.

[U08-P01]Planetary Exploration Roadmap from Japanese Society for Planetary Sciences

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The previous version of reply document for the Request For Information (RFI) on “the purpose, strategy, and roadmap of each committee” released by ISAS was submitted on Feb. 2015. The document has been revised following the change in circumstances surrounding our community regarding solar and extra-solar system exploration. The revision has been conducted by the working team consisting of 40 members of the Japanese Society for Planetary Science. The new version of the reply document of the RFI was published on the web site of the Japanese Society for Planetary Sciences after the request for public comments from the members of Japanese Society for Planetary Sciences.

The reply document contains the status of domestic and international planetary exploration programs,

brief explanation on on-going and near-future missions, a list of instruments under development in Japan, and the roadmap of planetary explorations proposed by Japanese Society for Planetary Sciences.

In this presentation we will present our roadmap of planetary explorations in coming 20 years.