

Research ideas in solar-system, lunar, and earth-sciences with Deep Space Gateway

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Abstract

On 5 and 6 December 2017, a Workshop: Research opportunities on the Deep Space Gateway (DSG), was held at the European Space Research and Technology Centre (ESTEC), to discuss the ideas for research opportunities on DSG. These ideas were submitted to European Space Agency (ESA) in response to the Call in August 2017. During this meeting, 23 ideas were presented in the research area of solar-system, lunar, and earth-sciences, followed by a panel discussion on the identified research topics, high impact areas, technical needs and general findings. In this paper, we introduce the outcome of the workshop in the research area of solar-system, lunar, and Earth sciences. A summary of the outcome from all the research area is given in the report "Research Opportunities on the Deep Space Gateway: Findings from the Workshop and Call For Ideas" (ESA-HSO-K-RP-0284; 1.1)