



Scientific Web-portal for the “Phobos-Soil” space mission.

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Main scientific objectives of the Phobos-Soil return mission are an investigation of the Phobos as well as different experiments of the Martian environment and interplanetary space. Planned lunch date is October 2009.

A few of scientific organizations and a lot of investigators involved in the mission. And it causes wide distributed architecture of the mission' scientific ground segment. Computer and telecommunication state of the art shows preferred using of web-services instead of application for accessing the resources of the system in this case. And scientific Web-portal of the “Phobos-Soil” space mission is a set of all needed services collected in manner of Web 2.0 technology.

Further to classical Web 2.0 services such as Search, Links, Signals and etc the given web-portal provides specific services which allow receiving the telemetry information, preparing telecommand sequences, accessing supplementary information such as navigation and some other services needed for space investigations.

And it needs to denote that the portal not only supplies platform for unified user' access to internal informational resources of scientific ground segment of the mission but provides extended collaboration facilities also.

Thus the web-portal for the “Phobos-Soil” space mission is backbone element for providing unified informational environment for users involved in the mission.

The poster contains description of web-portal architecture, shows its role in context of scientific ground segment and demonstrates main features of the web-portal for the “Phobos-Soil” space mission.