



Europlanet-RI IDIS – A Data Network in Support of Planetary Research

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The “Europlanet Research Infrastructure - Europlanet RI”, supported by the European Commission’s Framework Program 7, aims at integrating major parts of the distributed European Planetary Research infrastructure with as diverse components as space exploration, ground-based observations, laboratory experiments and numerical modeling teams. A central part of Europlanet RI is the “Integrated and Distributed Information Service” (IDIS), a network of data and information access facilities in Europe via which information relevant for planetary research can be easily found and retrieved. This covers the wide range from contact addresses of possible research partners, laboratories and test facilities to the access of data collected with space missions or during laboratory or simulation tests and to model software useful for their interpretation.

During the following three years the capabilities of the network will be extended to allow the combination of many different data sources for comparative studies including the results of modeling calculations and simulations of instrument observations. Together with the access to complex databases for spectra of atmospheric molecules and planetary surface material IDIS will offer a versatile working environment for making the scientific exploitation of the resources put into planetary research in the past and future more effective. Many of the mentioned capabilities are already available now.

List of contact web-sites:

Technical node for support and management aspects:
<http://www.idis.europlanet-ri.eu/>

Planetary Surfaces and Interiors node:
<http://www.idis-interiors.europlanet-ri.eu/>

Planetary Plasma node:
<http://www.idis-plasma.europlanet-ri.eu/>

Planetary Atmospheres node:
<http://www.idis-atmos.europlanet-ri.eu/>

Small Bodies and Dust node:
<http://www.idis-sbdn.europlanet-ri.eu/>

Planetary Dynamics and Extraterrestrial Matter node:
<http://www.idis-dyn.europlanet-ri.eu/>