

IDIS: Integrated and Distributed Information Service



The Europlanet IDIS (Integrated and Distributed Information Service) provides easy-to-use access to lists of researchers, laboratories and data archives relevant to many aspects of planetary and space physics.

The final goal of IDIS is to provide Virtual Observatory tools for the access to data from laboratory measurements and ground- and space-based observations to modeling results, allowing the combination of divergent data sources.

The development of IDIS is an international effort started by Europlanet under the European Commission's 6th Framework Programme and which will expand its capabilities during the 7th Framework Programme, as part of the Capacities Specific Programme/ Research Infrastructures.



All IDIS information can be accessed through the Europlanet RI website or, for advanced searches, via web-services available at 5 different thematic nodes located in different European countries and maintained under the responsibility of separate institutions.

Each Node deals with a subset of the disciplines related to planetary sciences and, working in cooperation with international experts in these fields, provides a wealth of information to the international planetary science community.

The main aim of the thematic Node is to:

- support collaborative work in the scientific field;
- provide information about databases and scientific tools;
- establish a scientific information management system;
- define and develop Science Cases regarding IDIS.

Technical Node

<http://www.idis.europlanet-ri.eu/>



The IDIS Technical Node is hosted by the Finnish Meteorological Institute in Helsinki.



Europlanet IDIS Thematic Nodes

Small Bodies and Dust Node

<http://www.idis-sbdsn.europlanet-ri.eu/>



The Small Bodies and Dust Node is hosted by the Istituto di Fisica dello Spazio Interplanetario and is established in close cooperation with the Istituto di Astrofisica Spaziale. Both these institutes are part of the Istituto Nazionale di Astrofisica (INAF).

Interiors and Surfaces Node

<http://www.idis-interiors.europlanet-ri.eu/>



The Planetary Interiors and Surfaces Node is hosted by the Institute of Planetary Research at the Deutsches Zentrum für Luft- und Raumfahrt in Berlin Adlershof, Germany and is established in close cooperation with the Laboratoire de planétologie et géodynamique de Nantes.

Plasma Node

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



The Plasma Node is hosted by the IWF (Space Research Institute) Graz and is established in close cooperation with CDPP (Plasma Physics Data Centre) Toulouse.

Planetary Dynamics Node

<http://www.idis-dyn.europlanet-ri.eu/>



The Planetary Dynamics and Extraterrestrial Matter Node is hosted by VO-Paris Data Centre, a facility implemented at the Paris Observatory.

Atmospheres Node

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



The Atmospheres Node is hosted by L'Observatoire de Versailles Saint-Quentin-en-Yvelines (OVSQ) of the Institut Pierre Simon Laplace (IPSL) and is established in close cooperation with the Laboratoire ATmosphère, Milieux, Observations Spatiale (LATMOS).

