

## Small Bodies and Dust Node

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### Abstract

Coordinate the development of an Integrated and Distributed Information Service (IDIS) which will offer to the planetary science community a common and user-friendly access to the data and information produced by the various types of research activities: earth-based observations, space observations, modelling and theory, laboratory experiments.

### IDIS

IDIS will also interface with existing databases and provide on-line products for public outreach and education. The EuroPlaNet information service provides access to lists of researchers, laboratories and data archives relevant to many aspects of planetary and space physics. Information can be accessed through EuroPlaNet website or, for advanced searches, via web-services available at the different thematic nodes. The goal of IDIS is to provide easy-to-use access to resources like people, laboratories, modeling activities and data archives related to planetary sciences. The development of IDIS is an international effort started 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. IDIS is complemented by a set of other EuroPlaNet web-services maintained under the responsibility of separate institutions. Each activity maintains its own web-portal with cross-links pointing to the other elements of EuroPlaNet. General access is provided via the EuroPlaNet Homepage.

IDIS is not a repository of original data but rather supports the access to various data sources. 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 as divergent data sources as feasible.

IDIS is built around four scientific nodes located in different European countries. 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.

### Small Bodies and Dust Node

The EuroPlaNet IDIS thematic node "Small Bodies and Dust Node" is hosted by the Istituto di Fisica dello Spazio Interplanetario and it is managed by the Istituto di Astrofisica Spaziale. Both these institutes are part of the Istituto Nazionale di Astrofisica (INAF). The IDIS Small Bodies and Dust Node aims at becoming a focus point in the fields of Solar System's minor bodies and interplanetary dust by providing the community with a central, user friendly resource and service inventory and contact point. The main aim of the Small Bodies and Dust Node will be to:

- support collaborative work in the field of Small Bodies and Dust
- provide information about databases and scientific tools in this field
- establish a scientific information management system
- define and develop Science Cases regarding IDIS