



★ **Integrated and Distributed Information Service
for Planetary Research**

- ★ Analysis of Data from Planetary Observations
- ★ Reference Data for Planetary Sciences
- ★ Support of Instrument Development for Space Missions

IDIS is developing a **Virtual Observatory** to locate, access and combine data from different fields of planetary research and sources and archived in different formats.

Science fields addressed:

- Physics of planetary interiors and surfaces
- Planetary atmospheres
- Plasmas in the solar system and beyond
- Comet, asteroids and dust in the solar system

Data sources:

- General data archives from ESA / NASA etc.
- Mission or topic specific archives
- Ground and laboratory observations, also from amateurs
- Reference databases for e.g. spectra
- Simulated data from models

Tools:

- Data access and combination tools
- Localization tools for space bodies
- Visualization tools
- Models with codes and support

Contacts:

- Scientists with science specialties
- Institutes with area of competence
- Test facilities for material analysis and instrument testing

Information:

- Standards and databases for instrument development
- Standards and information for data archive access

Data

Models

Contacts

Information

Service Activity: Provides access to information, tools and data. Status: Partly operational
Direct web address: <http://www.idis.europlanet-ri.eu/>

Joint Research Activity: Defines data access protocols, generates tools and generates new spectroscopic and physical properties databases to be made available via SA-IDIS. Status: Data model in definition phase, Kinetic Database KIDA available (under test)