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METEOROLOGISKA INSTITUTET
FINNISH METEOROLOGICAL INSTITUTE

Integrated and Distributed Information Service IDIS

Top Node Status

Walter Schmidt

FMI / Space Research Helsinki, Finland

IDIS
EuroPlaNet Integrated and Distributed Information Service

- Home
- Public Outreach
- EuroPlaNet Home Page
- N2 Working Groups
- Institute/Laboratory List
- Contact List
- Resource Inventory
- IDIS Documents
- Useful Links

This is www.europlanet-idis.fi, the top node for the Integrated and Distributed Information Service as part of the EuroPlaNet project, funded by the European Comission under the 6th Framework Programmme "Structuring the European Research Area" - Research Infrastructures Action.

The EuroPlaNet information service provides access to lists of researchers, laboratories and data archives relevant for many aspects of planetary and space physics. Information can be accessed via search tools in the top node or directly via services available in the different thematic nodes.• Select with the left mouse key any of the nodes presented below.

THIS SYSTEM IS STILL UNDER CONSTRUCTION!

Virtual Observatories And Data Archives

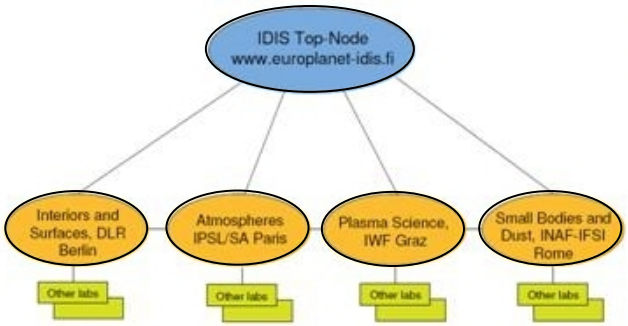
Automated Multi-Dataset Analysis AMDA at CESR

Goddard Data Access Tool

ESA Planetary Data Archive (PSA)

NSA Planetary Data System (PDS)

Node Structure



Page updated October 2, 2007
This Web-page is maintained by the
Finnish Meteorological Institute, Helsinki, Finland
Contact point: Walter.Schmidt@fmi.fi

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Europlanet
European Planetology Network

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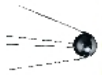
Europlanet

Europlanet is a network linking planetary scientists from across Europe. The aim of Europlanet is to promote collaboration and communication between partner institutions and to support missions to explore our Solar System.

This website gives details of planetology activites in each country, background information on planetary science and updates on current missions and techniques to study the Solar System.

2007 - A Very 'Spatial' Year



2007 is the 50th anniversary of the launch of Sputnik. A Very 'Spatial' Year gives details of events around Europe to celebrate a half-century of spaceflight.

Countries

Newsflash

The 2nd European Planetary Science Congress is taking place in Potsdam, Germany from 19-24th August 2007. For details of the programme, see the meeting website.

There are no items to display

enter search text here ...

Europlanet is funded by the European Commission under the

Sixth Framework Programme

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Europlanet webpage is a work in progress
Europlanet project funded by the Europlanet Comission under the 6th Framework Programmme
"Structuring the Europlanet Research Area" - Research Infrastructures Action.
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Europlanet
European Planetology Network

A European Network for the Development of Planetary Sciences in Europe

SIXTH FRAMEWORK PROGRAMME

EUROPLANET

What is Europlanet ?
Objectives
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ACTIVITIES

N1-Management
N2-Discipline working group
N3-Coordination of earth-based and space observations
N4-Outreach
N5-Personnel exchanges
N6-Meetings and conferences
N7-Integrated and distributed Information Service (IDIS)

SERVICES

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What is Europlanet ?

EuroPlaNet co-ordinates activities in Planetary Sciences in order to achieve a long-term integration of this discipline in Europe.

Europlanet was born from the initiative of a group of European scientists working on the Cassini-Huygens mission to saturne and Titan, a very successfull collaboration between Europe and the USA.

The European proponents, with full support from their US colleagues, realizes that, in order for Europe to take all the benefits from the investments in this mission, there was a need for the European Union to provide additional support to the European Planetary Sciences Community focusing on complementary areas : gathering more scientists from different horizons and disciplines to join in producing more science from the mission, helping to network the separate national efforts, and helping to develop a more unified access to the data of all kinds (space, ground-based observations, laboratory and simulation results...) whose synergistic use can amplify the science return.

NEWS

Activity N5

- Personnel Exchange : Call 5
  Deadline : October 15, 2007

Activity N6

- EPSC#3 : Sept. 2008 European Planetary Science Congress 2008

The initial "core" of proponents was able to form a consortium of about sixty laboratories troughout 17 different EU member and candidate countries, all interested in various ways in joining their skills and expertise in support to Cassini-Huygens. This consortium submitted the Europlanet proposal to the European Commission in April 2003 as a "Coordination Action", in response to a call for proposals issued by the "Support to Research Infrastructures" action of the 6th Framework Programme.
It was finally selected for implementation in May 2004 and, following the successful completion of the negotiation between The Commisssion and the Europlanet consortium, started operating on 1 January 2005.

It received a 2 million euros budget for the four years of its existence under FP6. As all EU research networks, Europlanet is the result of a bottom-up process starting from the research laboratories and scientists themselves, who develop their project under contract with the Commission.

Europlanet organizes and coordinates a set of seven activities :

1. Management : coordination of the various activities and contacts to the European commission
2. Discipline working groups
3. Coordination of Earth-based and Space observations
4. Outreach strategy
5. Personnel exchange
6. Meetings and conferences
7. Integrated and Distributed Information Service (IDIS)

EUROPLANET

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PUBLIC OUTREACH

PEOPLE (296)

ORDERED REPORT

Email	Name	First name	EPN_Contact ALL	Institute ALL	Department (or team, or group)	Planetology speciality
	Adriano	Campo Bagatin	YES	UA		
	Agarwal	Jessica	NO	ESA	ESTEC/RSSD	
	Aittola	Marko	NO	Univ Oulu	Planetology Group, Div. Astronomy, Dept. of Physical Sciences	Planetary Geology
	Alcaraz	Christian	NO	UPS/LCP	IPG	Ionosphere Chemistry
	Allemand	Pascal	YES	CNRS/LST	Laboratoire de sciences de la Terre	planetary surfaces
	Altwegg	Kathrin	NO	Univ Bern	Weltraumforschung und Planetologie	Comets
	Ambrosius	Boudewijn	YES	TU Delft		
	Andre	Nicolas	YES	ESA	RSSD	space plasma physics, giant planet magnetospheres
	Aplin	Karen	NO	STFC	Space Science and Technology	electrical processes, atmospheres
	Apostolos	Christou	YES	Armagh Obs		
	Araujo Sa	Paulo Manuel	NO	FEUP	Physics Engineering	
	Arviset	Christophe	NO	ESA	ESA Science Operations Department	PSA development Manager
	Ascenzi	Daniela	NO	UTREDF	Physics	Ionosphere chemistry, lab support in mass spectrometry
	Atreya	Sushil	NO	Univ Michi	University of Michigan, Dept. of Atmospheric Oceanic and Space Sciences	Planetary Atmospheres, Origin and Evolution
	Aylward	Alan	YES	UCL/APL	Physics and Astronomy	Atmospheric Physics
	Ball	Andrew	NO	OU	PSSRI (Planetary and Space Sciences Research Institute)	Planetary Missions, in situ instrumentation
	Balme	Matthew	NO	OU	Earth Sciences	Planetary Surfaces
	Banaszkiewicz	Marek	YES	SRC		
	Barabash	Stas	NO	IRF	Solar system physics and space technology	Near-planet space and solar wind interaction

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PUBLIC OUTREACH

PARTICIPANTS INSTITUTES & LABORATORIES (127)

Acronym	EPN participant#	Status	Parent institute	N7 IDIS Node	City	Country
		ALL	ALL	ALL		ALL
AIRA	35	Participant			Bucharest	Romania
UCL/APL	8.1	Participant	UCL		London	United Kingdom (UK)
Armagh Obs	A23	Associate			Armagh	Ireland
ASI	24	Participant			Roma	Italy
CAB-INTA	A24	Associate			Madrid	Spain
CNRS/CESR	1.1	Participant	CNRS	Plasmas	TOULOUSE	France
CNRS/IPSL/CETP	1.6.1	Participant	CNRS/IPSL		Jussieu PARIS	France
CFA	x	Lab non EPN			Cambridge	United States (USA)
CNES	3	Participant			Paris	France
CNRS	1	Participant			Paris	France
CNRS/CRPG	1.11	Participant	CNRS		Vandoeuvre-lès-NANCY	France
DLR	42	Participant		Interiors & Surfaces	DLR	Germany
ESA	36	Participant			Paris	France
FEUP	12	Participant			Porto	Portugal
FMI	29	Participant		Top Node	Helsinki	Finland
GSFC	A01	Associate			Greenbelt	United States (USA)
I. S. Técn	11	Participant			Lisbon	Portugal
IAA-CSIC	32	Participant			Granada	Spain
IAG	A10	Associate			Liège	Belgium
CNRS/IAP	1.14	Participant	CNRS		Paris	France
IAP RAS	A25	Associate			Nizhny Novgorod	Russia
UPS/IAS	4.2	Participant	UPS		Orsay PARIS	France
IASB-BIRA	A26	Associate			Brussels	Belgium
INAF/IASF	22.1	Participant	INAF		Roma	Italy
CNRS/IDES	1.13	Participant	CNRS		Orsay PARIS	France
INAF/IFSI	22.2	Participant	INAF		Roma	Italy
IGF	A11	Associate			Warsaw	Poland
Univ Köln/IGM	A19.2	Associate	Univ Köln		Köln	Germany
OP/IMCCE	2.3	Participant	OP	Small Bodies, Dust, and TNOs	PARIS	France
Imperial	9	Participant			London	United Kingdom (UK)

EUROPLANET
N7 - IDIS

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Sixth Framework Programme

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RESOURCES Inventory :

- ERIS Definition Documents
- Add a new Resource
- View All Resources
- *Search Resources (coming soon)*
- Keywords

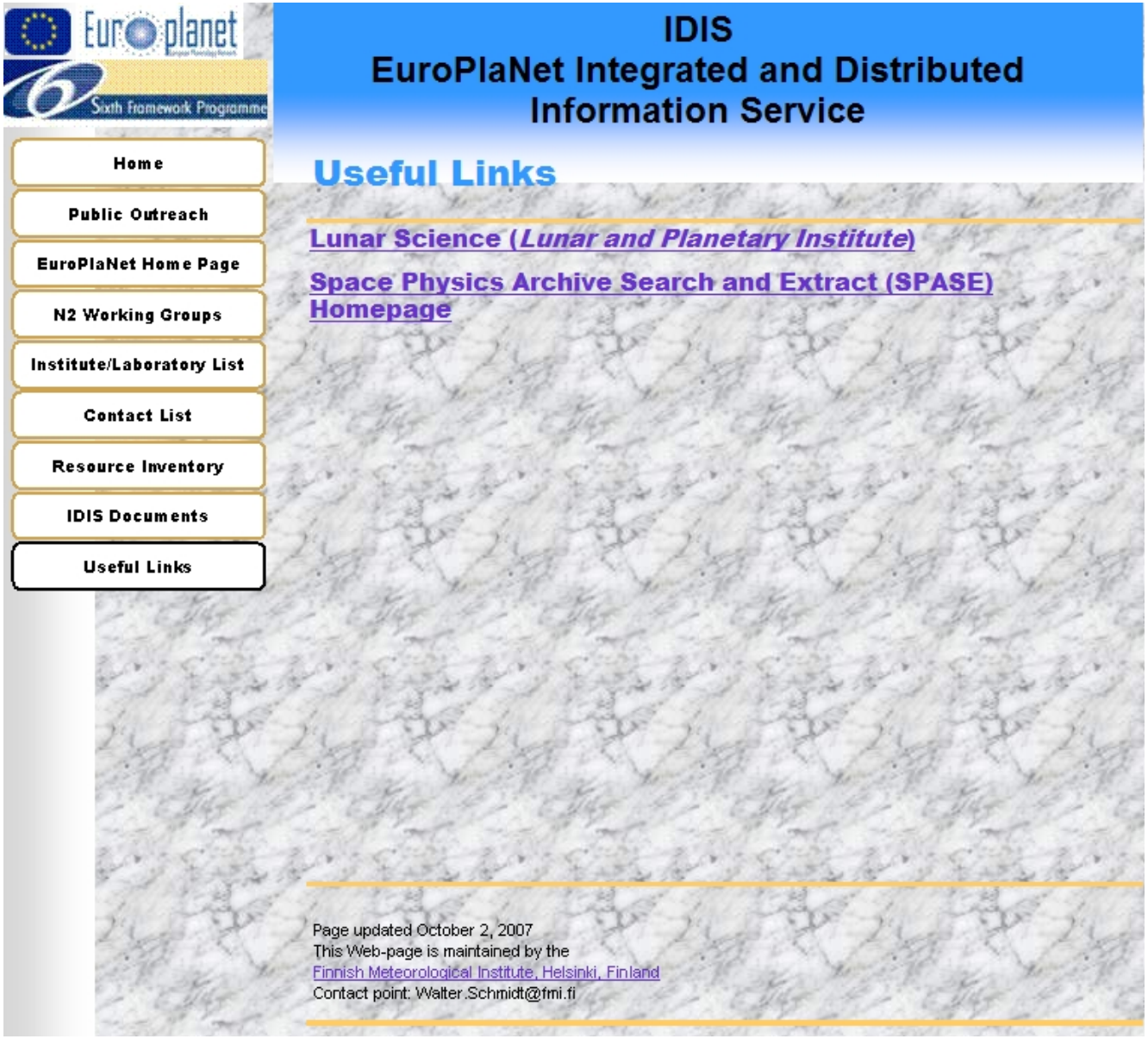
[IDIS Top Node]

RESOURCES (167)

ADD A NEW ONE

Display more details - Display normal view
Display with dates - Display without dates

Name	Brief description
SIDC (Solar Influences Data Analysis Centre)	Latest Space Weather Data
ACE - Advanced Composition Explorer	Real Time Solar Wind data.
ALMA (Atacama Large Millimeter/Submillimeter Array)	Instrument Description homepage. Its located in the Chilean Andes and provides 80 high-precision antennas to investigate the physics of the
Analysis Software	Analysis Software for Cluster CIS, MEX Aspera, VEX Aspera instruments
Analytical facilities	Analytical facilities : ion probes, mass spectrometers, experimental petrology
Annales Geophysicae	Journal in the field of Solar Terrestrial Physics
Astrobiology Lecture Course Network	This Network provides Virtual Lectures on Astrobiology with many links and references
Astronomical Data Center (ADC)	Provides access to Astronomy Data and Catalogues hosted by the Astronomy Department of University of Maryland.
Astrophysical Data System	Digital library for Physics and Astronomy.
Atmospheric simulations OMEGA / Mars-Express	Analytical Atmospheric simulations for the spaceborne OMEGA / Mars-Express observations.
BASS2000 web-catalogue	Archives and distributes french groundbased solar observations done by several french institutions.
BDAP data centre	BDAP is a data centre regrouping to physical properties, models output,laboratory measurements, space and ground based observations.
BDIP (Base de Données d'Images Planétaires).	BDIP (Base de Données d'Images Planétaires). Historical archive of telescopic planetary images at Paris Observatory, 1870 -1977.
Bepicolombo Mission description by ESA	Bepicolombo will be launched in 2013 and its target will be Mercury
Calibration and commissioning data	Calibration and commissioning data from the GIADA instrument onboard the ESA-ROSETTA
California & Carnegie Planet Search	Interactive Catalogue of Exoplanets including related publications made by the University of California.
Canadian Astronomy Data Centre	Several Advanced Data Products and science archives supported by the Canadian Space Agency
Capability of developing planetary atmosphere modelling in N2-CH4 and N2-CO2 mix	Plasma radiation database accessible online (http://cfp.ist.utl.pt/radiation/GPRD/).
Cassini mapskp	Cassini MAPS (Magnetosphere And Plasma Science) Key Parameters database
Cassini-Huygens at DLR	Cassini-Huygens mission to Saturn and Titan, homepage dedicated the VIMS and ISS instrumentation
Cassini-Huygens at JPL	Cassini-Huygens mission to Saturn and Titan, homepage hosted by Jet Propulsion Laboratory
Cassini-Huygens at LASP	Cassini-Huygens mission to Saturn and Titan, homepage dedicated the UVIS (Ultraviolett Imaging Spectrograph) instrumentation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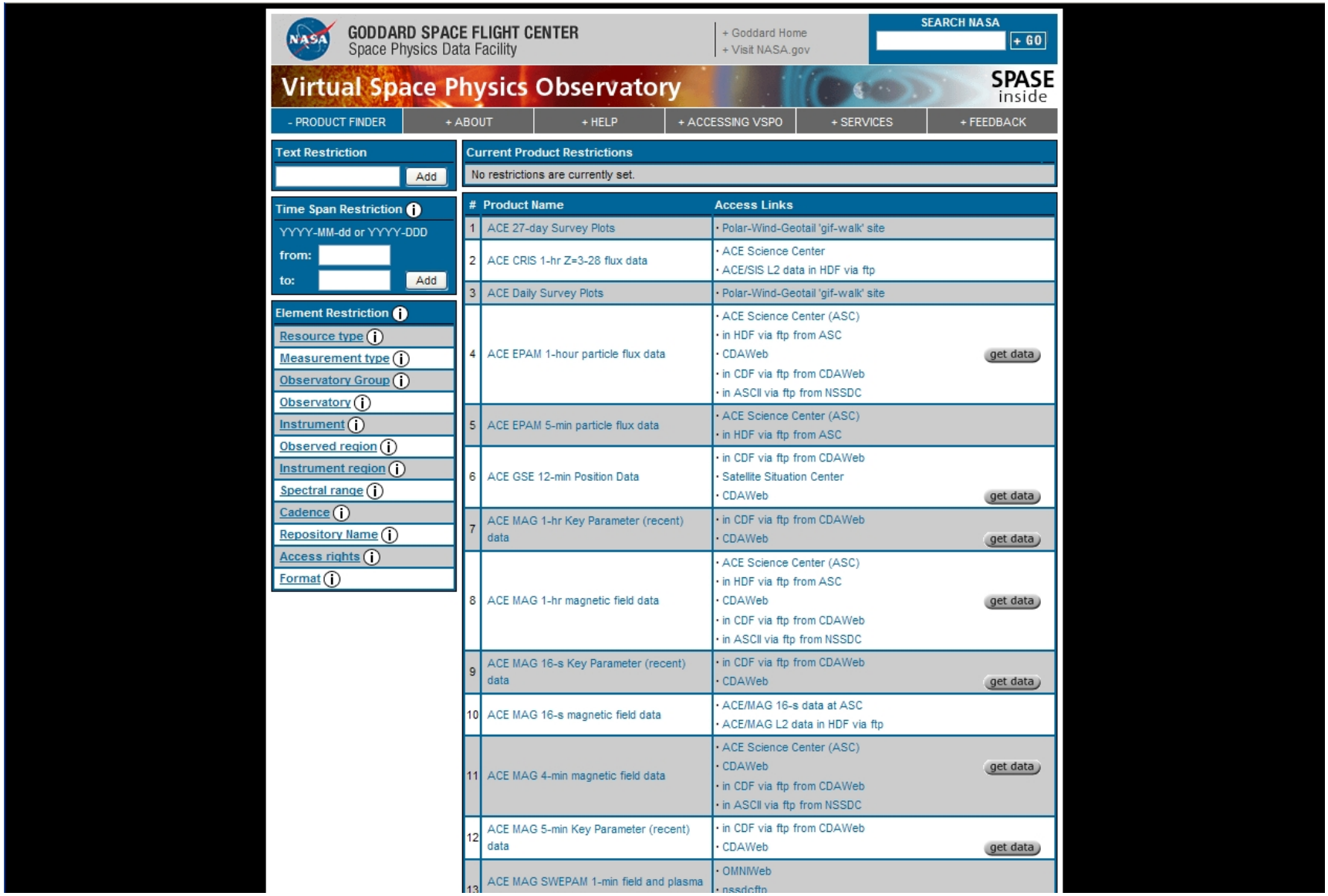
Space Physics Archive Search and Extract (SPASE) Homepage
Page updated October 2, 2007
This Web-page is maintained by the
Finnish Meteorological Institute, Helsinki, Finland
Contact point: Walter.Schmidt@fmi.fi

Index of /documents

Name	Last modified	Size	Description
Parent Directory		-	
IDIS-DS-10-001.01.pdf	01-Oct-2007 14:22	180K	
IDIS-Structure-070820.pdf	05-Sep-2007 07:58	828K	

Apache/2.2.3 (Debian) Server at www.europlanet-idis.fi Port 80



GODDARD SPACE FLIGHT CENTER
Space Physics Data Facility

+ Goddard Home
+ Visit NASA.gov

SEARCH NASA + GO

Virtual Space Physics Observatory

SPASE inside

- PRODUCT FINDER | + ABOUT | + HELP | + ACCESSING VSPO | + SERVICES | + FEEDBACK

Text Restriction

Add

Time Span Restriction

YYYY-MM-dd or YYYY-DDD

from:

to:

Add

Element Restriction

- Resource type
- Measurement type
- Observatory Group
- Observatory
- Instrument
- Observed region
- Instrument region
- Spectral range
- Cadence
- Repository Name
- Access rights
- Format

Current Product Restrictions

No restrictions are currently set.

#	Product Name	Access Links
1	ACE 27-day Survey Plots	· Polar-Wind-Geotail 'gif-walk' site
2	ACE CRIS 1-hr Z=3-28 flux data	· ACE Science Center · ACE/SIS L2 data in HDF via ftp
3	ACE Daily Survey Plots	· Polar-Wind-Geotail 'gif-walk' site
4	ACE EPAM 1-hour particle flux data	· ACE Science Center (ASC) · in HDF via ftp from ASC · CDAWeb get data · in CDF via ftp from CDAWeb · in ASCII via ftp from NSSDC
5	ACE EPAM 5-min particle flux data	· ACE Science Center (ASC) · in HDF via ftp from ASC
6	ACE GSE 12-min Position Data	· in CDF via ftp from CDAWeb · Satellite Situation Center · CDAWeb get data
7	ACE MAG 1-hr Key Parameter (recent) data	· in CDF via ftp from CDAWeb · CDAWeb get data
8	ACE MAG 1-hr magnetic field data	· ACE Science Center (ASC) · in HDF via ftp from ASC · CDAWeb get data · in CDF via ftp from CDAWeb · in ASCII via ftp from NSSDC
9	ACE MAG 16-s Key Parameter (recent) data	· in CDF via ftp from CDAWeb · CDAWeb get data
10	ACE MAG 16-s magnetic field data	· ACE/MAG 16-s data at ASC · ACE/MAG L2 data in HDF via ftp
11	ACE MAG 4-min magnetic field data	· ACE Science Center (ASC) · CDAWeb get data · in CDF via ftp from CDAWeb · in ASCII via ftp from NSSDC
12	ACE MAG 5-min Key Parameter (recent) data	· in CDF via ftp from CDAWeb · CDAWeb get data
13	ACE MAG SWEPAM 1-min field and plasma	· OMNIWeb · nssdcftp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Subscription Manager
Data where and when you want it.
PDS Data Search Services
New Users
Can't find what you're looking for?
The Planetary Data System (PDS)
The PDS archives and distributes scientific data from NASA planetary missions, astronomical observations, and laboratory measurements. The PDS is sponsored by NASA's Office of Space Science. Its purpose is to ensure the long-term usability of NASA data and to stimulate advanced research. PDS is continually upgrading and updating its archives, to better serve the needs of its user communities. Learn more about PDS.
PDS Nodes - The Best of Planetary Data!
The PDS includes seven university/research center science teams, called discipline nodes. These nodes specialize in specific areas of planetary data. The contributions from these nodes provide a data-rich source for scientists, researchers and developers. You can visit them through the links on the PDS Nodes navigation bar, below. You will learn more about the archives of each node, and about the education and public outreach services that these nodes provide.
New
Support for ROSES 2007
New
NEW RELEASES
Mars Reconnaissance Orbiter Release 2 September 8, 2007. For more information about MRO, visit the mission web site.
PDS Validation tool and Product Tools Release September 28, 2007
Odyssey Radio Science Data 64 September 21, 2007
PDS Data Dictionary 1r67 August 30,2007
Please go to "PDS Data Release Summary" for other previous releases
begin here...
Data Search
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Atmospheres
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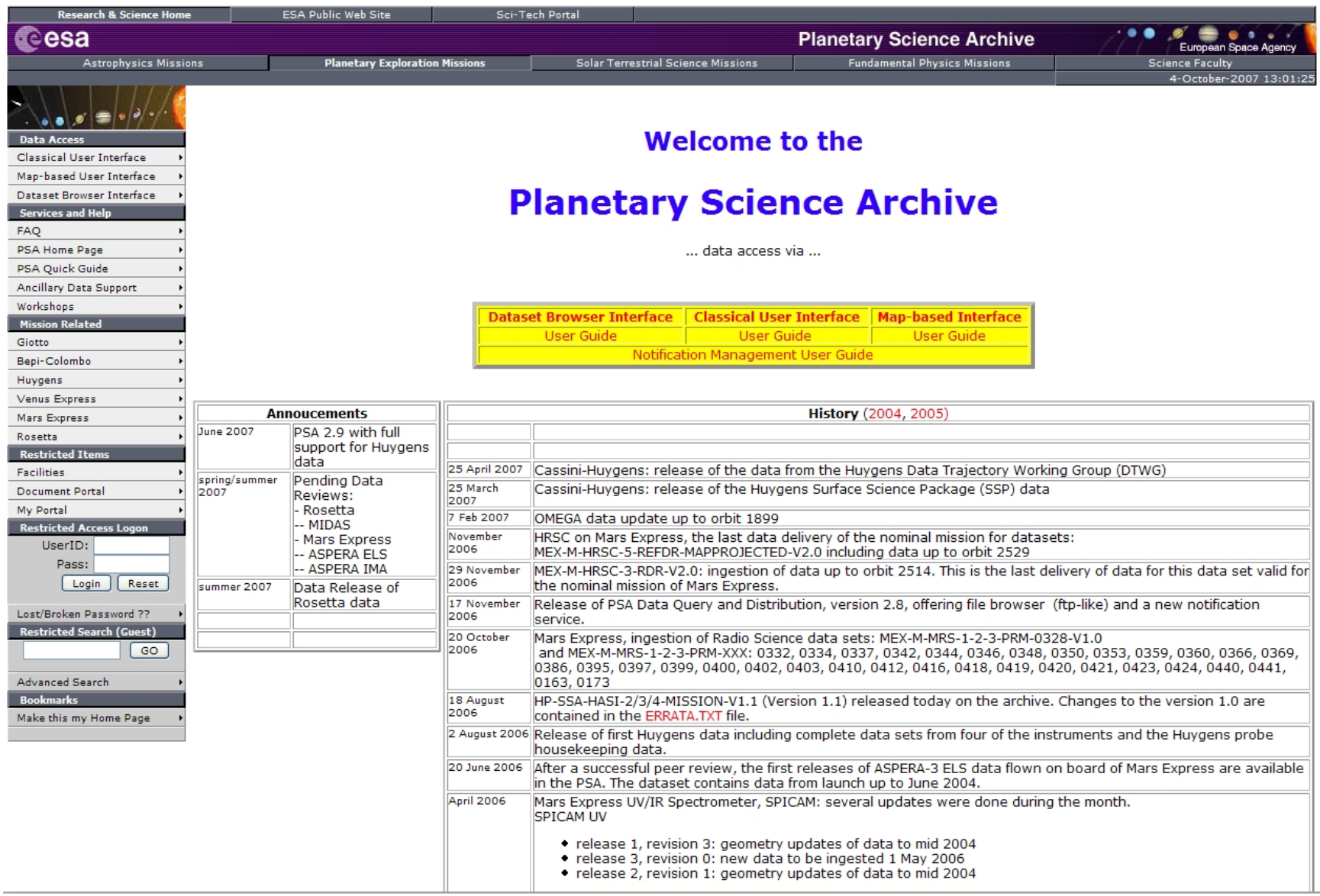
Curator: Emily.S.Law
Webmaster: Maryia Sauchanka-Davis
NASA Official: William Knopf
Last Updated: 29 Sep 2007
+ Comments and Questions



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esa — Planetary Science Archive — European Space Agency

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4-October-2007 13:01:25

Data Access
- Classical User Interface
- Map-based User Interface
- Dataset Browser Interface

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- Ancillary Data Support
- Workshops

Mission Related
- Giotto
- Bepi-Colombo
- Huygens
- Venus Express
- Mars Express
- Rosetta

Restricted Items
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Restricted Access Logon
UserID:
Pass:
Login | Reset

Lost/Broken Password ??

Restricted Search (Guest)
GO

Advanced Search

Bookmarks
- Make this my Home Page

Welcome to the

Planetary Science Archive

... data access via ...

Dataset Browser Interface	Classical User Interface	Map-based Interface
User Guide	User Guide	User Guide
Notification Management User Guide		

Annoucements	
June 2007	PSA 2.9 with full support for Huygens data
spring/summer 2007	Pending Data Reviews: - Rosetta -- MIDAS - Mars Express -- ASPERA ELS -- ASPERA IMA
summer 2007	Data Release of Rosetta data

History (2004, 2005)	
25 April 2007	Cassini-Huygens: release of the data from the Huygens Data Trajectory Working Group (DTWG)
25 March 2007	Cassini-Huygens: release of the Huygens Surface Science Package (SSP) data
7 Feb 2007	OMEGA data update up to orbit 1899
November 2006	HRSC on Mars Express, the last data delivery of the nominal mission for datasets: MEX-M-HRSC-5-REFDR-MAPPROJECTED-V2.0 including data up to orbit 2529
29 November 2006	MEX-M-HRSC-3-RDR-V2.0: ingestion of data up to orbit 2514. This is the last delivery of data for this data set valid for the nominal mission of Mars Express.
17 November 2006	Release of PSA Data Query and Distribution, version 2.8, offering file browser (ftp-like) and a new notification service.
20 October 2006	Mars Express, ingestion of Radio Science data sets: MEX-M-MRS-1-2-3-PRM-0328-V1.0 and MEX-M-MRS-1-2-3-PRM-XXX: 0332, 0334, 0337, 0342, 0344, 0346, 0348, 0350, 0353, 0359, 0360, 0366, 0369, 0386, 0395, 0397, 0399, 0400, 0402, 0403, 0410, 0412, 0416, 0418, 0419, 0420, 0421, 0423, 0424, 0440, 0441, 0163, 0173
18 August 2006	HP-SSA-HASI-2/3/4-MISSION-V1.1 (Version 1.1) released today on the archive. Changes to the version 1.0 are contained in the ERRATA.TXT file.
2 August 2006	Release of first Huygens data including complete data sets from four of the instruments and the Huygens probe housekeeping data.
20 June 2006	After a successful peer review, the first releases of ASPERA-3 ELS data flown on board of Mars Express are available in the PSA. The dataset contains data from launch up to June 2004.
April 2006	Mars Express UV/IR Spectrometer, SPICAM: several updates were done during the month. SPICAM UV ◆ release 1, revision 3: geometry updates of data to mid 2004 ◆ release 3, revision 0: new data to be ingested 1 May 2006 ◆ release 2, revision 1: geometry updates of data to mid 2004

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MAX-PLANCK-GESELLSCHAFT

Max-Planck-Institut für Sonnensystemforschung

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- Institutsprojekte Forschungsgruppen
- Publikationen
- Research School IMPRS
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EuroPlaNet

/ de / projekte / europlanet /

EuroPlaNet

European Planetology Network

Launched on January 1st 2005, The European Union-funded project "European Planetology Network" (EuroPlaNet, Project 001637 Integrating Activity Implemented as Coordination Action) will provide an important added value to the European Planetology Community and the science produced by the international planetary missions. During four years, EuroPlaNet will strengthen the networking of the European Planetary Sciences community by promoting the exchanges between its different partners and providing a support to the planetary exploration missions. The primary objective of the network will be to support the Cassini-Huygens mission. In the meantime, this project will take a particular attention to associate through specific outreach activities the European citizens to the planetary exploration programme in Europe. EuroPlaNet co-ordinates activities in Planetary Sciences in order to achieve a long-term integration of this discipline in Europe.

- **Science Objectives**
- **MPS contribution**
  - Actions
- **EuroPlaNet Homepage**
- **Contact**
- **Links**

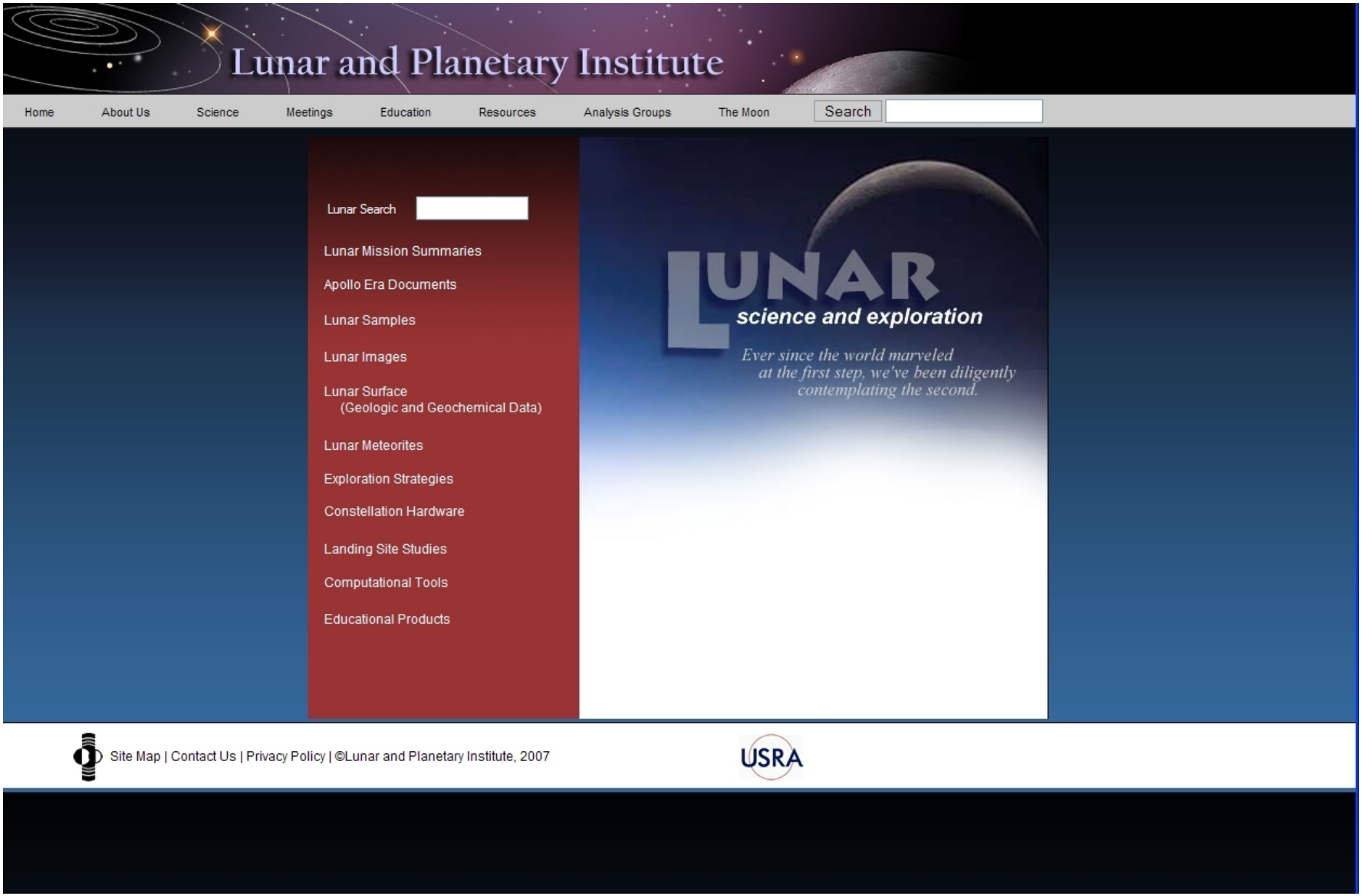
Science Objectives

The objectives are to:

1. increase the productivity of planetary projects with European investment, with emphasis on major planetary exploration missions
2. initiate a long-term integration of the European planetary science community
3. improve European scientific competitiveness, develop and spread expertise in this research area
4. improve public understanding of planetary environments

These objectives will be achieved by:

1. maximizing synergies between different fields contributing to planetary sciences: space observations, earth-based observations, laboratory studies, numerical simulations, data base development
2. co-ordinating the design and development of an Integrated and Distributed Information Service (IDIS) providing access to the full set of data sources produced by these complementary fields. EuroPlaNet integrates most of the European planetary exploration work, with initial focus on the Cassini/Huygens mission to Saturn and Titan, operative between 2004 and 2008. The considerable involvement of the European science community in this mission, the broad diversity of its research objectives and the urgent need to achieve a balanced share of data analysis and its results with American colleagues make Cassini/Huygens an ideal test-bed for the development of activities and tools which will contribute to the optimal exploitation of subsequent planetary missions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Lunar Meteorites
Exploration Strategies
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Landing Site Studies
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science and exploration
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at the first step, we've been diligently
contemplating the second.
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USRA

Space Physics Archive Search and Extract

Space Physics Archive Search and Extract (SPASE) Consortium

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Data Model Working Group
Technical Working Group
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Consortium Members

Announcements:
SPASE face-to-face meeting (July 9-11, 2007) more...

Have a question?
Ask SPASE

The SPASE data system is a model for scientific data systems. It is based on the latest web-based technologies and is designed to be a distributed data systems with a heterogenous mix of platforms and systems.

These pages focus on the data model for the SPASE data system. The data model includes the structure of messages passed between systems; how to enrich data for interchange and archiving; and a data dictionary defining all terms and keywords used in the system. A full description of the data model is included under Documents.

Also included are examples that implement the data model.

Tools to demonstrate the utility and capability of the SPASE metadata and framework

If you should have any questions or comments please contact us.

The members of SPASE include representatives from the international community.

Data Model Document

Current Version (1.2.0)
Released: 2007-05-22
Current Draft (1.2.1)
updated: 2007-09-24
Current Draft (1.3.0)
updated: 2007-09-24
All documents

Services

Control Authority

Data Dictionary

Search
Tree
XML Schema
XML Stylesheet
XML Templates
XMI Models
Ontologies

News

Briefs
RSS XML

Tools

of all kinds...

Documents

Charters
Meetings

EuroPlaNet-IDIS Node Atmospheres

This is a preliminary information about the IDIS thematic node "Atmospheres" as part of the EuroPlaNet IDIS system. The node will be hosted by the Institute Pierre Simon Laplace / Service d'Aéronomie in Verrieres

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Page updated August 23, 2007 (Walter.Schmidt@fmi.fi)
URL: *http://www.europlanet-idis.fi/*

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ILMATIETEEN LAITOS
METEOROLOGISKA INSTITUTET
FINNISH METEOROLOGICAL INSTITUTE

EuroPlaNet-IDIS Node Interiors and Surfaces

This is a preliminary information about the IDIS thematic node Interiors and Surfaces as part of the EuroPlaNet IDIS system. The node will be hosted by the Institute of Planetary Research at DLR/Berlin-Adlershof

Contact Information:

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Page updated August 23, 2007 (Walter.Schmidt@fmi.fi)
URL: *http://www.europlanet-idis.fi/*

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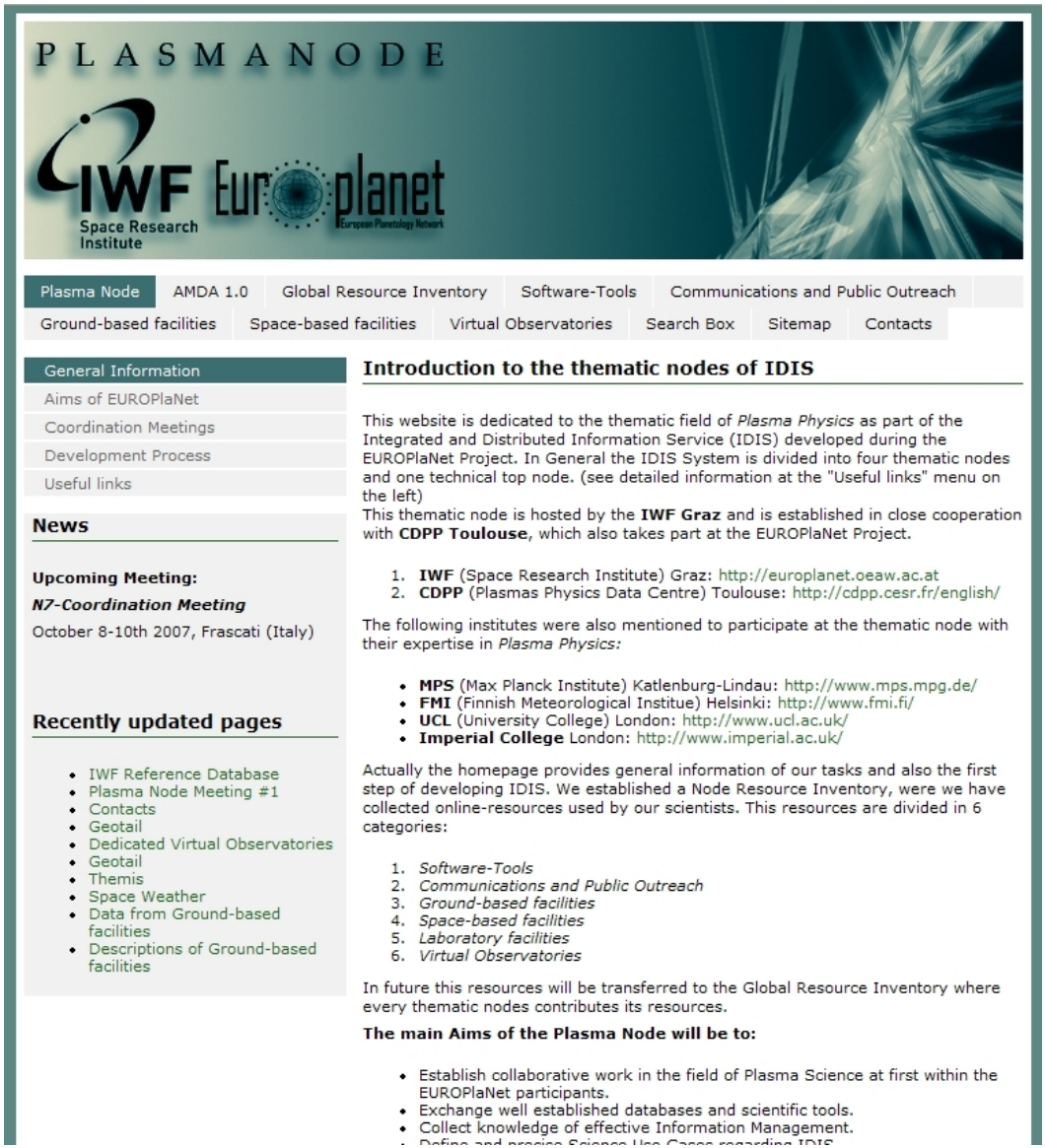

PLASMANODE
IWF
Space Research Institute
Europlanet
European Planetology Network
Plasma Node
AMDA 1.0
Global Resource Inventory
Software-Tools
Communications and Public Outreach
Ground-based facilities
Space-based facilities
Virtual Observatories
Search Box
Sitemap
Contacts
General Information
Aims of EUROPlaNet
Coordination Meetings
Development Process
Useful links
News
Upcoming Meeting:
N7-Coordination Meeting
October 8-10th 2007, Frascati (Italy)
Recently updated pages
IWF Reference Database
Plasma Node Meeting #1
Contacts
Geotail
Dedicated Virtual Observatories
Geotail
Themis
Space Weather
Data from Ground-based facilities
Descriptions of Ground-based facilities
Introduction to the thematic nodes of IDIS
This website is dedicated to the thematic field of Plasma Physics as part of the Integrated and Distributed Information Service (IDIS) developed during the EUROPlaNet Project. In General the IDIS System is divided into four thematic nodes and one technical top node. (see detailed information at the "Useful links" menu on the left)
This thematic node is hosted by the IWF Graz and is established in close cooperation with CDPP Toulouse, which also takes part at the EUROPlaNet Project.
1. IWF (Space Research Institute) Graz: http://europlanet.oeaw.ac.at
2. CDPP (Plasmas Physics Data Centre) Toulouse: http://cdpp.cesr.fr/english/
The following institutes were also mentioned to participate at the thematic node with their expertise in Plasma Physics:
MPS (Max Planck Institute) Katlenburg-Lindau: http://www.mps.mpg.de/
FMI (Finnish Meteorological Institue) Helsinki: http://www.fmi.fi/
UCL (University College) London: http://www.ucl.ac.uk/
Imperial College London: http://www.imperial.ac.uk/
Actually the homepage provides general information of our tasks and also the first step of developing IDIS. We established a Node Resource Inventory, were we have collected online-resources used by our scientists. This resources are divided in 6 categories:
1. Software-Tools
2. Communications and Public Outreach
3. Ground-based facilities
4. Space-based facilities
5. Laboratory facilities
6. Virtual Observatories
In future this resources will be transferred to the Global Resource Inventory where every thematic nodes contributes its resources.
The main Aims of the Plasma Node will be to:
Establish collaborative work in the field of Plasma Science at first within the EUROPlaNet participants.
Exchange well established databases and scientific tools.
Collect knowledge of effective Information Management.

Comet C/2006 P1 McNaught
by STEREO/SECCHI
18 January 2007

The goal of this **Europlanet** N7 node is to build the IDIS resource from a Small Bodies and Dust perspective.

In a working group N2 meeting in Northeim, Germany in November 2005, the most relevant science questions pertaining to small bodies and dust in the solar system were constructed. These questions were handed to the N7 IDIS node in N2 and N2-N7 meetings in Madrid (April 2006) and in Helsinki (August 2006) to provide a focus with which to implement IDIS. The goal of this node is to continue and complete that work by Fall 2008.

Responsible Persons: Amara Graps (Scientific Coordinator), Francesco Carraro (Technical Implementation), (and more persons as needed).

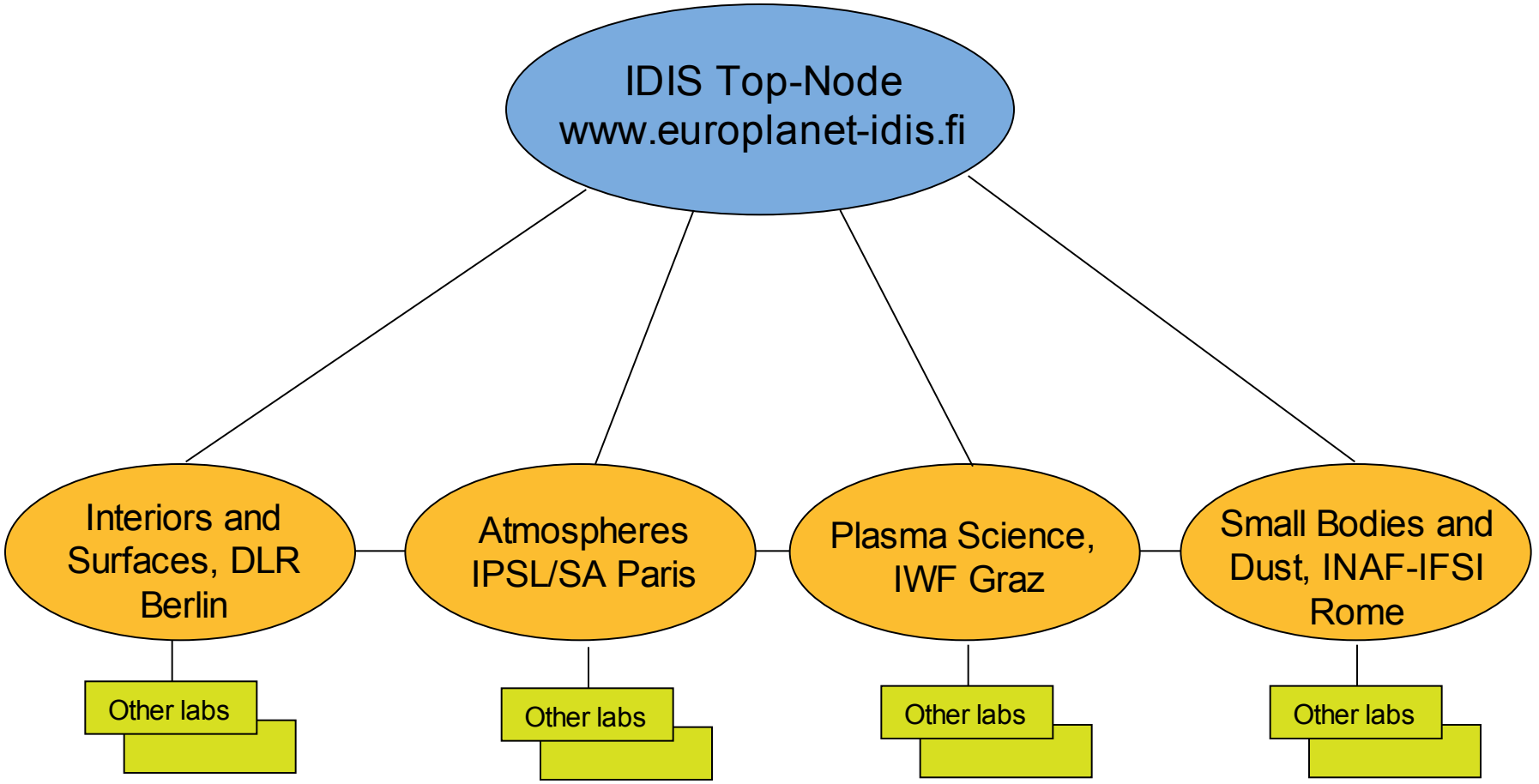
| Science Cases | Prioritized Science Cases | IDIS Inputs | Past Presentations | Miscellaneous |

Science Cases

The following are the November 2005 science cases.

1. How can we best optimise from observations, numerical experiments, laboratory simulations, further analysis of past mission data the science return of Rosetta?
2. Which specific parameters of major interest to understand the history of the solar system should be addressed through a detailed space mission to a Near Earth object, and which

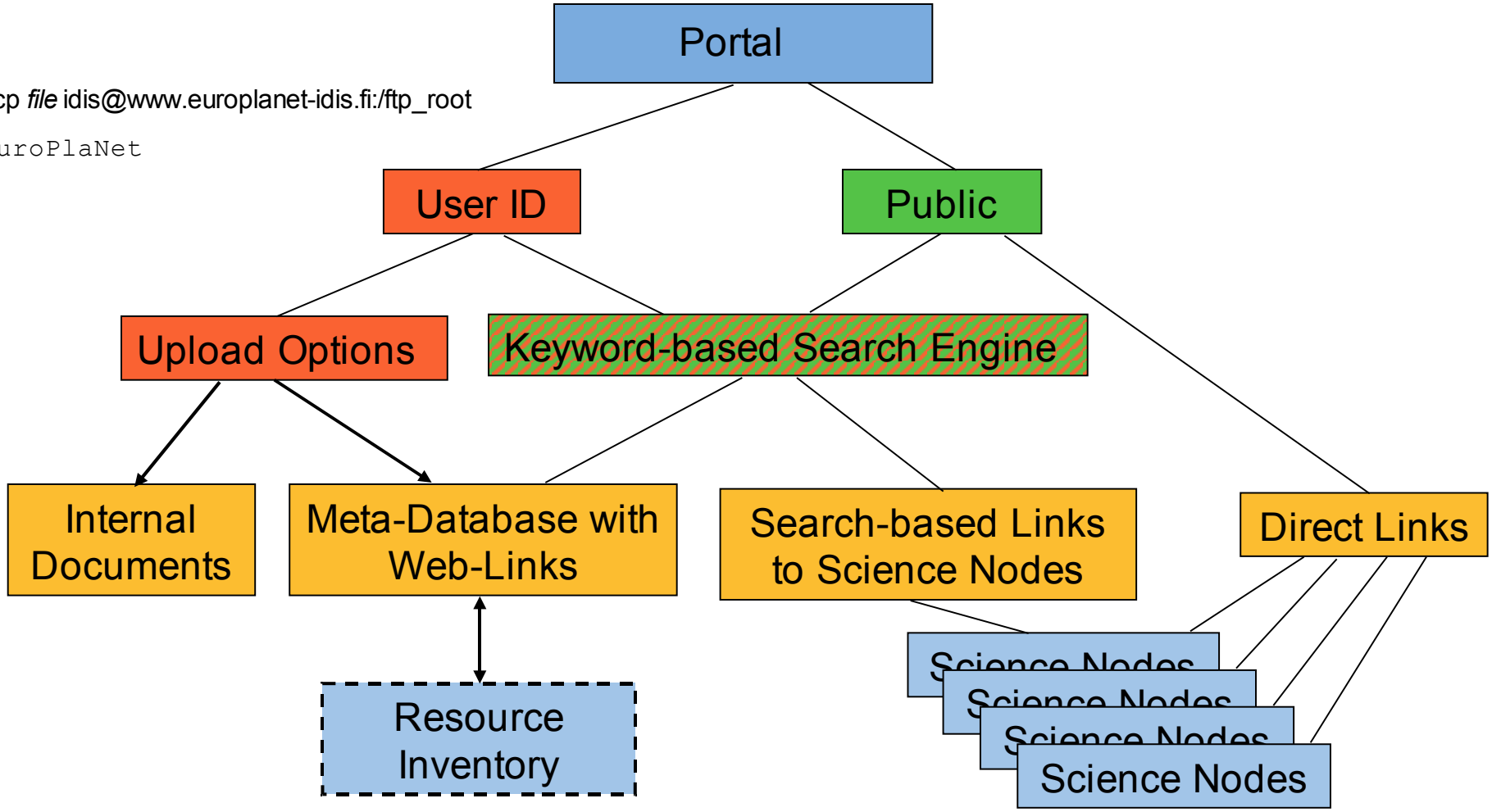
Node Structure



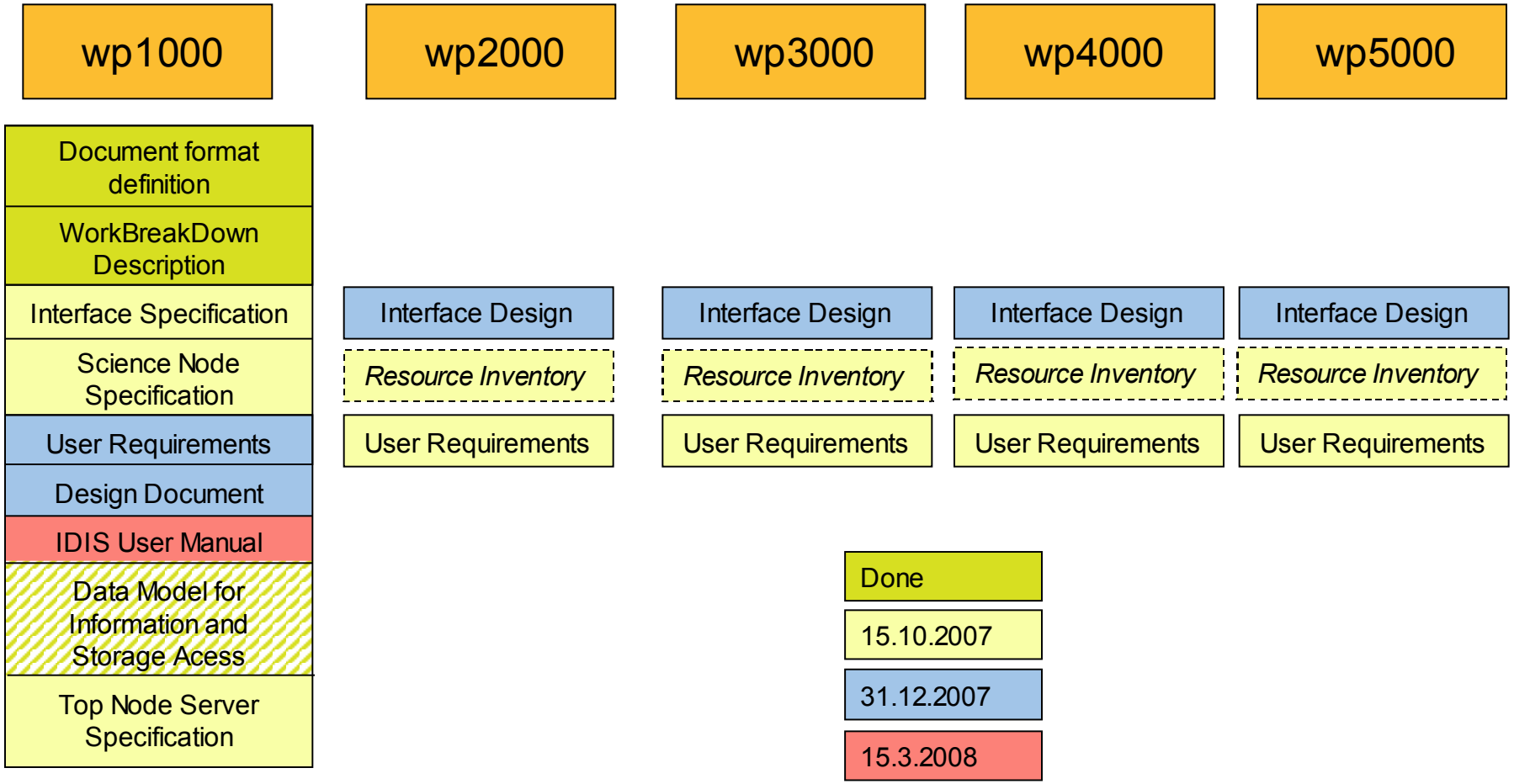
Functions of Top Node

scp *file* idis@www.europlanet-idis.fi:/ftp_root

EuroPlaNet



Document Tree 1/3



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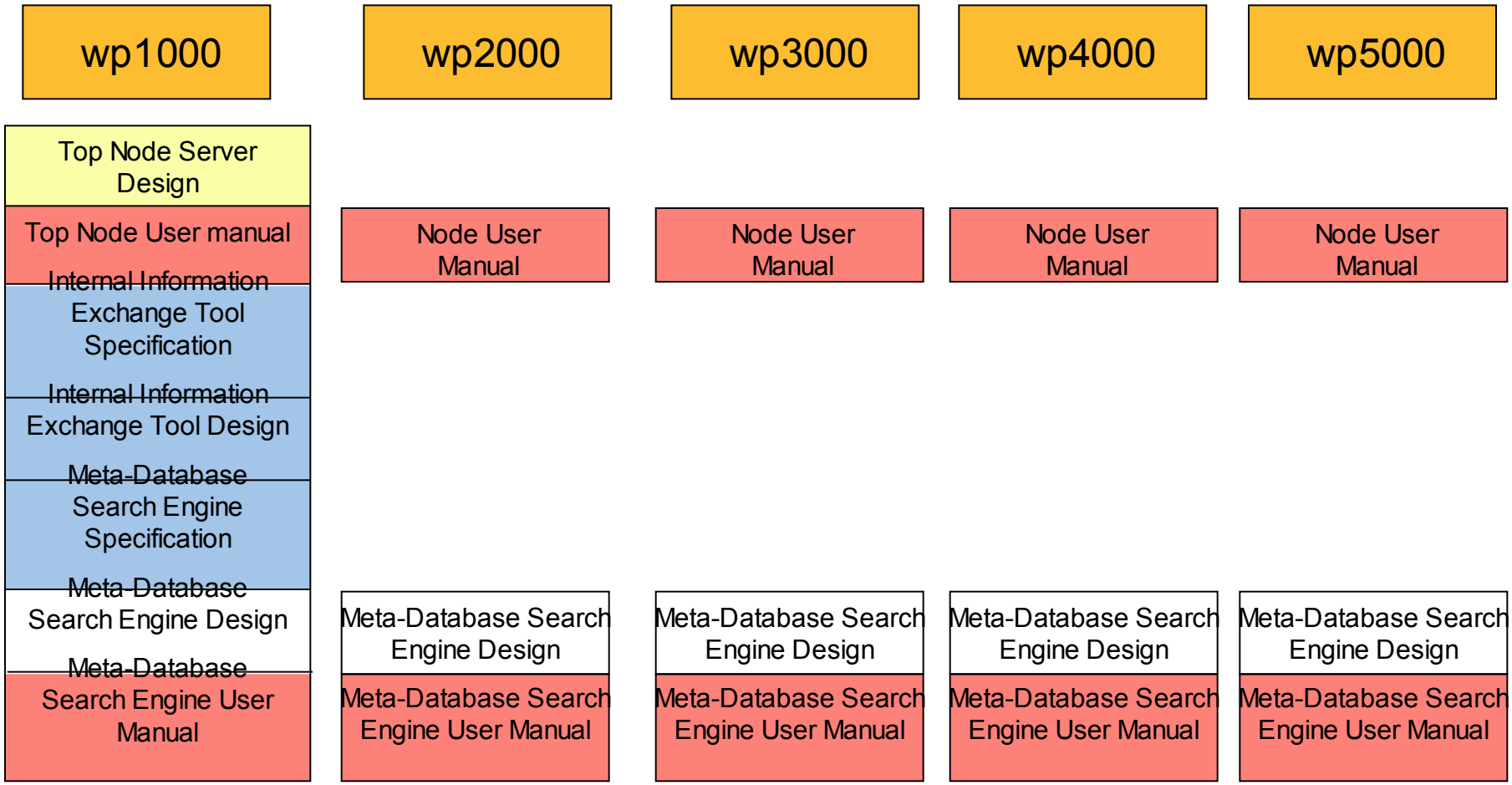
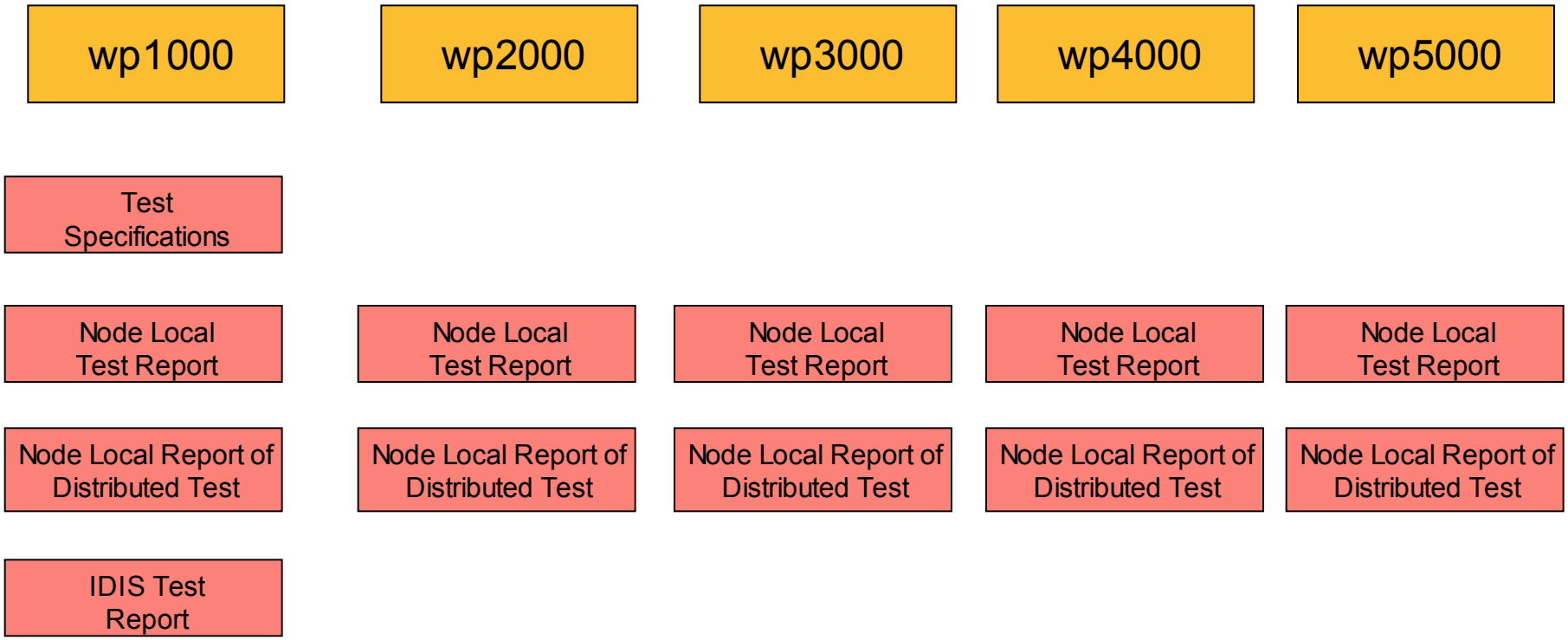


Document Tree 3/3



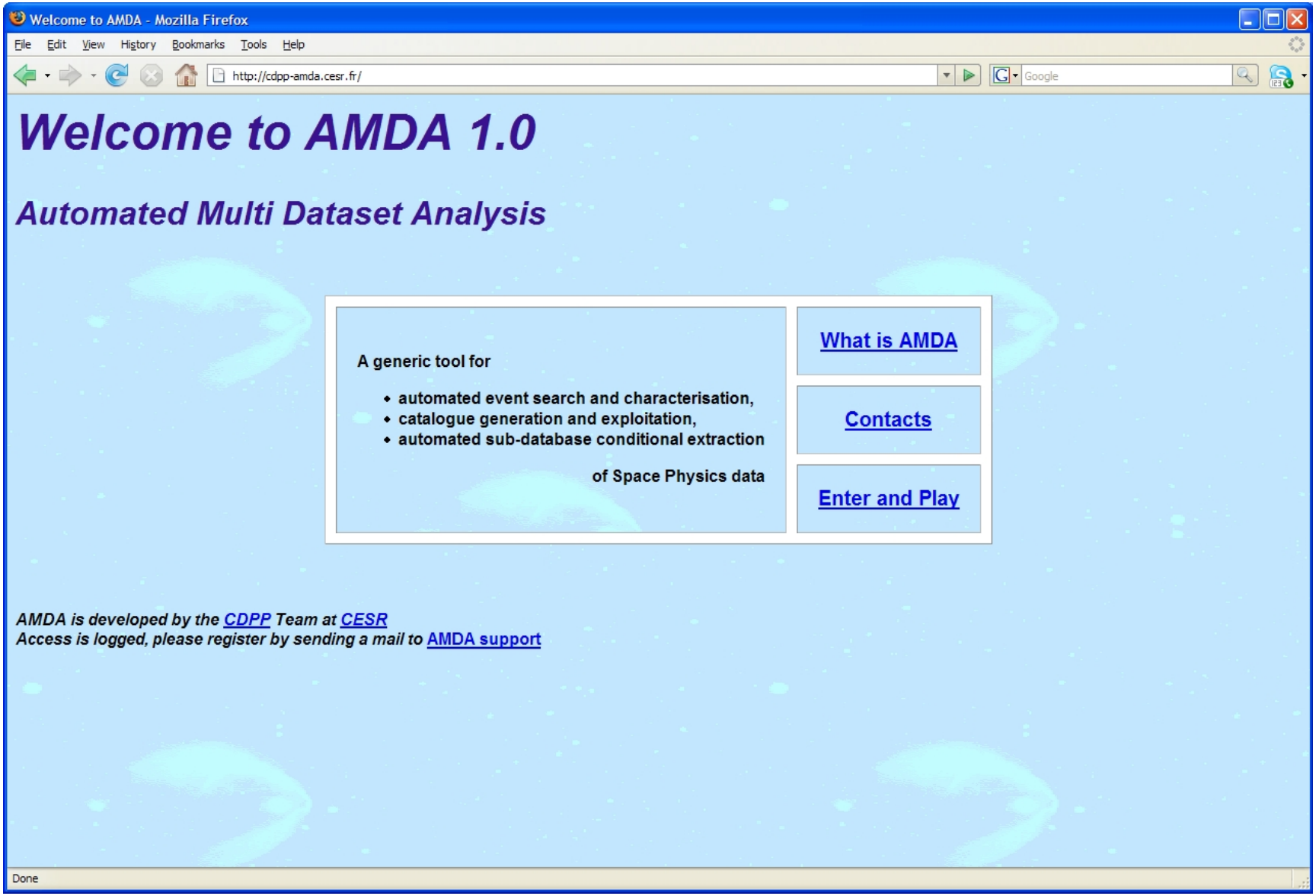
Data Model

A ***data model theory*** has three main components:

The ***structural*** part: a collection of data structures which are used to create databases representing the entities or objects modeled by the database.

The ***integrity*** part: a collection of rules governing the constraints placed on these data structures to ensure structural integrity.

The ***manipulation*** part: a collection of operators which can be applied to the data structures, to update and query the data contained in the database.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Google
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Automated Multi Dataset Analysis
A generic tool for
automated event search and characterisation,
catalogue generation and exploitation,
automated sub-database conditional extraction
of Space Physics data
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Contacts
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AMDA is developed by the CDPP Team at CESR
Access is logged, please register by sending a mail to AMDA support
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