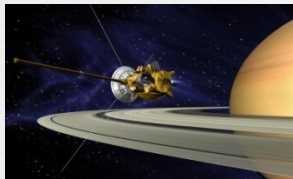




International Planetary Data Alliance

IPDA Overview 2014



Alain Sarkissian

IPDA Chair in 2013-2015

B. Gopala Krishna

IPDA Deputy Chair in 2013-2015



Topics

- Topic I: State of IPDA
- Topic II: Operational
- Topic III: Action Items

Mission of IPDA*

- “Facilitate global access to, and exchange of, high quality scientific data products managed across international boundaries”
- Support construction of compatible archives
- Support sharing of tools and software services
- Define “data standards within the IPDA, including the data models and derived dictionaries, based on the NASA Planetary Data System (PDS) that is the de-facto standard for all planetary data at the time of the IPDA founding”

* Extracted from IPDA Charter, July 2007

From Sep 2013 to July 2015

.IPDA

Steering Committee Members : 2013-2015

28 Membres / max 3 per country
14 Countries / International Institutions

Technical experts group

20 Membres
8 Countries / International Institutions

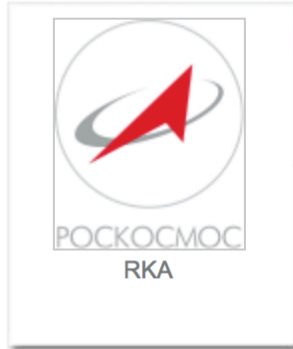
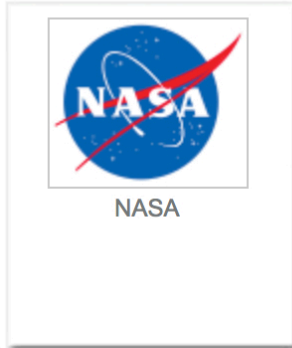
General activities

Annual meeting, usually in August, 20-30 participants
Regular teleconferences every 2 months 10-20 participants
Participation to related meetings : Cospar, EGU, AGU, EPSC, etc...
WebSite <https://planetarydata.org>



Member Institutions

The agencies and institutions that comprise the IPDA.



Focus in 2011-2015 (selection)

- Development and Coordination with PDS on the next generation PDS (PDS4) to enable construction of compatible planetary archives
- Development of a Planetary Data Access Protocol to access planetary archives
- Development of international registries to enable registration and search of data, tools and services
- Standards related to geometry and navigation
- Improvements in the operation and administration of IPDA

Projects 2013-2014 (selection)

- PDS4 Implementation - *D. Heather, ESA*
- Registration and Search - *S. Hardman NASA*
- ESA Registry Implementation - *D. Heather, ESA*
- Tool Registration - *T. Stein, Wash Univ*
- PDAP/PDS4 Integration - *S. Hughes, NASA*
- Geometry - *C. Acton, NASA*
- MEMORANDUM of UNDERSTANDING for international missions, Beebe, NASA
- IVOA/IPDA Project, C. Arviset
- NetCDF/CDF/PDS4 compatibility , King
- Chandrayaan-1 interop with PDAP – Krishna










Standards Progress

IPDA Standards Specifications

IPDA Standards Documentation

Standards Document	Version	Status	Release Date	Contact
Planetary Data System Standards	3.9	Released	October 2010	Steve Hughes john.s.hughes@jpl.nasa.gov
Planetary Data System Standards	4.0	Under Review	July 2012	Steve Hughes john.s.hughes@jpl.nasa.gov
Planetary Data Access Protocol (Core)	1.0	Under Review	July 2012	Jesus Salgado Jesus.Salgado@sciops.esa.int
Planetary Data Access Protocol (Fly-by Extension)	1.0	Under Development	September 2012	Yukio Yamamoto yukio@planeta.sci.isas.jaxa.jp
Planetary Data Access Protocol (Spectral Extension)	1.0	Under Development	September 2012	Jesus Salgado Jesus.Salgado@sciops.esa.int
IPDA Architecture Specification	1.0	Released	April 2009	Dan Crichton daniel.j.crichton@jpl.nasa.gov
IPDA Core Requirements Specification	1.0	Released	January 2008	IPDA Steering Committee
IPDA Query Language Specification	1.0	Under Development	September 2012	Steve Hughes john.s.hughes@jpl.nasa.gov
Recommended Ancillary Data Standards	1.0	Released	July 2010	IPDA Steering Committee
IPDA Data Standards Policy	1.0	Released	July 2010	IPDA Steering Committee
IPDA Standardisation Process	0.1	Draft	March 2012	Pedro Osuna Pedro.Osuna@sciops.esa.int

Active Projects (2013–2014)

Title	Type
 Creation of MOU template for international missions	Folder
 Investigate possibilities for IVOA/IPDA interactions	Folder
 PDS4 implementation project	Folder
 PDAP extensions	Folder
 Registration and Search	Folder
 IPDA archiving principles	Folder
 NetCDF/CDF/PDS4 compatibility	Folder
 Chandrayaan-1 interoperability with PDAP	Folder
 Outreach	Folder

Outreach and IPDA Networking

- EPSC/DPS 2011
 - IPDA Session
- PV 2011
- AGU 2011
- LPSC March 2012
- VAO April 2012
- 2012 Planetary Data Workshop
- COSPAR 2012
- AGU 2012
- LPSC 2013
- EPSC 2013




AGU 2011

IPDA Endorsements

IPDA Endorsements, Recommendations and Actions — IPDA

https://planetarydata.org/documents/steering-committee/ipda-endorsements-recommendations-and-actions




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IPDA Endorsements, Recommendations and Actions

-  **Endorsement of PDS4**
Approved by the Steering Committee 2012.
-  **Endorsement of SPICE**
Approved by the Steering Committee 2010.
-  **COSPAR Resolution**
Approved by Commission B at the 37th COSPAR Assembly

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News

[Announcing the 8th Steering Committee Meeting](#)
Jun 02, 2013

[Announcing the Tool Registry](#)
Aug 04, 2011

[Logins Re-Enabled](#)

IPDA Procedures

Procedures — IPDA

https://planetarydata.org/documents/steering-committee/procedures

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Procedures

IPDA Procedures for the Operations of the IPDA.

[Standards Process](#)

DRAFT procedure for approval of standards.

[IPDA-TN-001-1-0-2007JUN15-IPDA-Document-Naming-Convention](#)

Document Naming Conventions

[IPDA-TR-002-0-2-2006DEC21-Projects-Operation](#)

Organization of IPDA Projects

[Steering Committee Voting Procedure](#)

The voting procedure used by the Steering Committee. September 2011.

[Voting Procedures](#)

Discussions during annual meetings

- Significant discussion/plan for PDS4 release
- Significant discussion for PDAP release
- Continued emphasis on sharing tools/software
- Registering and accessing data from other space agencies
- Discussion on international peer reviews
- New/missing projects
- Outreach

Part III: Open Action Items

- Explore addition of new countries (Poland, Sweden, Brazil, etc..)
- Outreach
- Search services
- PDAP applications
- PDS4 release