

Presentation VOParis

Jonathan Normand, Renaud Savalle
Albert Shih, Pierre Le Sidaner,
Observatoire de Paris

Portail d'accès VO en WEB 2.0



VO-Paris Data Centre

About

The VO-Paris Data Centre project aims at providing VO access to its databases resources, at participating to international standards developments, at implementing VO compliant simulation codes, data visualization and analysis softwares.

[Learn more...](#)

Data Discovery Portal

The VO-Paris Data Centre Portal provides an easy way to access to all VO data available at Paris Observatory.

Getting Started

Use the query form on the right.



Query [advanced](#) 

Target name or position *

 [\[?\]](#)

Projects

WebSampConnector

A client toolkit that enables Web page based astronomy service to interoperate and communicate with VO softwares (no more save and load or cut and paste into the VO world!).

[WebSampConnector page...](#)

SDK PHP

An implementation of IVOA VOTable 1.1 and VOTable 1.x scheme in PHP. A partial implementation of RSS 2.0 schema is also provided.

[SDK page...](#)

Euro3D Client

An open-source Virtual Observatory tool which allows to deal with datasets in the Euro3D FITS format.

[Euro3D Client page...](#)

[Visit our projects page...](#)

□ **Listes des services proposés**

- SIA surveys ESO-R, SRC-J, DFBS, POSSE,
- SSA BaseBe, Fuse, HiGi, Giraffe, HESS
- TAP Exoplanètes, Mars (Phobos), Titan (Cassini), Comètes Nançay
- CS Exoplanet, survey de Supernova dans les Galaxies,
- PDAP portail sur Mars (Phobos), Titan (Cassini), Comètes (NRT) + PDAP esac et PDAP JAXA.
- Google Sky pour les exoplanetes
- Astrogrid

□ **En cours**

- Installation d'un SIA sur Tarot
- Réplication des services
- Validateurs de services
- Europlanet (SSODNET + Client de lecture PDS avec SAMP + PDAP)
- VAMDC (Infrastructure, hepdesk, grille)
- Simulation
- Sampification du portail
- Refonte d'exoplanet sous Django

Services et
données

Conclusion

Data Discovery

Cone Search Services (scs)

- ✓ **Extrasolar Planets Encyclopaedia** [votable](#) [html](#)
<http://voparis-srv.obspm.fr/srv/scs-exoplanet.php>
 VO-compliant and interactive encyclopaedia of extrasolar planets.
- ✓ **Five Supernova Surveys Galaxies** [votable](#) [html](#)
<http://voparis-srv.obspm.fr/srv/scs-fss.php>
 VO-compliant publication of the properties of the 3838 galaxies that... [Read more](#)

Image Services (sia)

- ✓ **DFBS - Digitized First Byurakan Survey** [votable](#) [html](#)
<http://voparis-srv.obspm.fr/srv/sia-dfbs.php>
 The First Byurakan Survey (FBS) is the largest and the first... [Read more](#)
- ✓ **VOPSAT - ESO-R** [votable](#) [html](#)
http://voparis-srv.obspm.fr/srv/sia-vopsat_esor.php
 VO-compliant publication of Schmidt survey ESO-R of the southern sky... [Read more](#)
- ✓ **VOPSAT - POSS1-E** [votable](#) [html](#)
http://voparis-srv.obspm.fr/srv/sia-vopsat_posse.php
 VO-compliant publication of Schmidt survey POSS1-E of the southern... [Read more](#)
- ✓ **VOPSAT - SRC-J** [votable](#) [html](#)
http://voparis-srv.obspm.fr/srv/sia-vopsat_srcj.php
 VO-compliant publication of Schmidt survey SRC-J of the southern sky... [Read more](#)

Spectrum Services (ssa)

- ✓ **FUSE - Far Ultra Violet Spectroscopic Explorer** [votable](#) [html](#)
<http://voparis-srv.obspm.fr/srv/ssa-fuse.php>

Request Summary

- Target: NGC4945
- Size: 1,1
- Time: 2455480.771122685

Query [advanced](#)

Target name or position *



Resource status

- ✓ Results found
- ✓ No results found
- ⚠ Resource error

VO Applications

Launch Java webstart applications

- [Aladin](#)
- [Topcat](#)
- [Splat](#)
- [VOSpec](#)

Data Discovery

Cone Search Services (scs)

✓ **Extrasolar Planets Encyclopaedia**

<http://voparis-srv.obspm.fr/srv/scs-exoplanet.php>

VO-compliant and interactive encyclopaedia of extrasolar planets.

[votable](#) [html](#)

✓ **Five Supernova Surveys Galaxies**

<http://voparis-srv.obspm.fr/srv/scs-fss.php>

VO-compliant publication of the properties of the 3838 galaxies that... [Read more](#)

[votable](#) [html](#)

Image Services (sia)

✓ **DFBS - Digitized First Byurakan Survey**

<http://voparis-srv.obspm.fr/srv/sia-dfbs.php>

The First Byurakan Survey (FBS) is the largest and the first... [Read more](#)

[votable](#) [html](#)

✓ **VOPSAT - ESO-R**

http://voparis-srv.obspm.fr/srv/sia-vopsat_esor.php

VO-compliant publication of Schmidt survey ESO-R of the southern sky... [Read more](#)

[votable](#) [html](#)

✓ **VOPSAT - POSS1-E**

http://voparis-srv.obspm.fr/srv/sia-vopsat_posse.php

VO-compliant publication of Schmidt survey POSS1-E of the southern... [Read more](#)

[votable](#) [html](#)

✓ **VOPSAT - SRC-J**

http://voparis-srv.obspm.fr/srv/sia-vopsat_srcj.php

VO-compliant publication of Schmidt survey SRC-J of the southern sky... [Read more](#)

[votable](#) [html](#)

<http://voparis-srv.obspm.fr/portal/voquery.php?target=mars&size=&time=&stdposition=225.272...>

✓ **FUSE - Far Ultra Violet Spectroscopic Explorer**

<http://voparis-srv.obspm.fr/srv/ssa-fuse.php>

[votable](#) [html](#)

Request Summary

- Target: mars
- Size: 1,1
- Time: 2455480.8017939813

Query [basic](#)

Target name or position *

[\[?\]](#)

Size (default value: 1° x 1°)

[\[?\]](#)

Band

[\[?\]](#)

Time (default value: now)

[\[?\]](#)

Resource status

- ✓ Results found
- ✓ No results found
- ⚠ Resource error

VO Applications

Launch Java webstart applications

 **1 error** Erreur

Planetary Data

Planetary Data Services (pdap)

- ✓ **Planetary data from ESAC** votable
<http://psa.esac.esa.int:8000/aio/jsp/metadata.jsp>
- ✓ **Planetary data from JAXA** votable
<http://darts.jaxa.jp/planet/pdap/0.3/php/index.php>
- ✓ **Planetary data from Paris Observatory** votable html
<http://voparis-srv.obspm.fr/srv/pdap.php>

Query basic

Target name *
 [\[?\]](#)

Target type *
 [\[?\]](#)

Resource class *
 [\[?\]](#)

Mission name
 [\[?\]](#)

Instrument name
 [\[?\]](#)

Longitude
 [\[?\]](#)

Latitude
 [\[?\]](#)

Start time
 [\[?\]](#)

Stop time
 [\[?\]](#)

Services et données

Conclusion

Client SAMP pour lire des cubes PDS

<http://voplus.obspm.fr/samp/WebSampConnector+FITS/demo.html>



WebSampConnector+FITS Demonstrator

Demonstrator

 This is a demonstrator that shows the usage of the WebSampConnector and a FITS applet to load a data cube from this web page into a locally running Aladin, then load the individual spectra of the cube into SPLAT or VO-Spec by clicking on the pixels of the data cube.

 To run this demo you need to use Firefox and **Java 6**. If you need help setting up Java 6 see [the troubleshooting page](#)

 Note: This demo will use the following data cube: http://voplus.obspm.fr/samp/data/test_3d.fits

- Start the VO applications

Click on the above icons to start Aladin then SPLAT or VO-Spec:

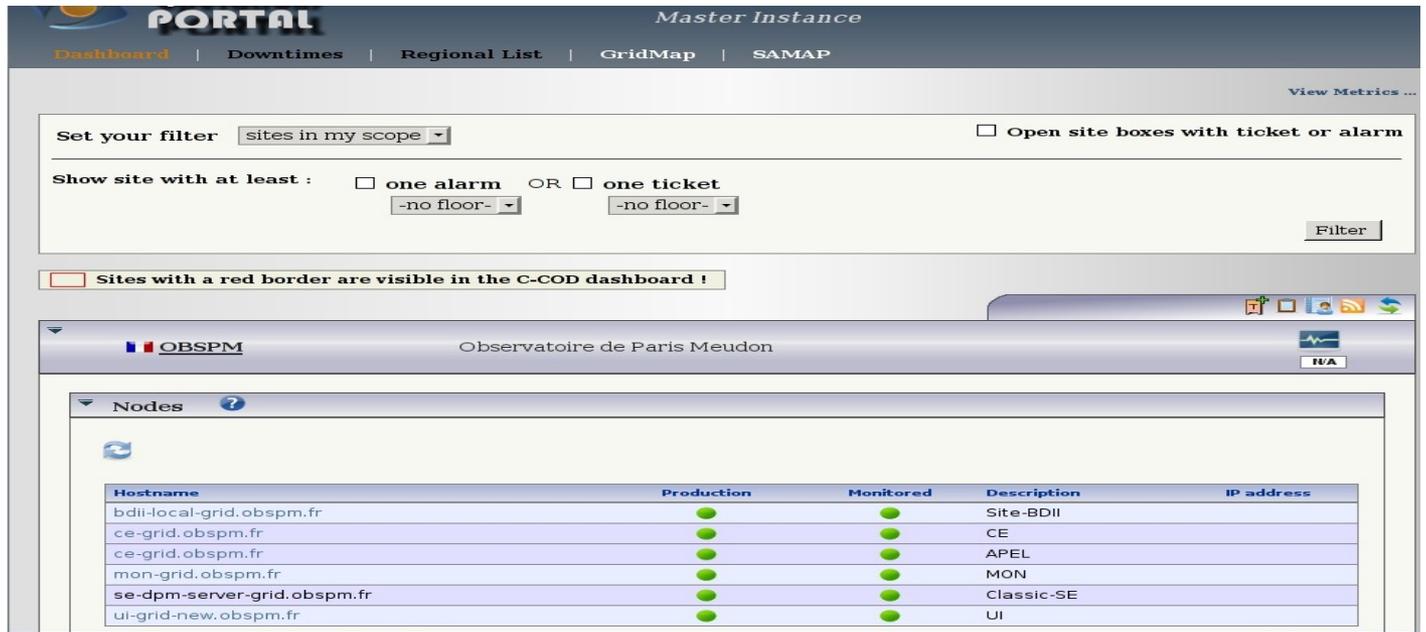
Aladin Java: 
SPLAT: 
VO-Spec: 
- Check that the Aladin SAMP hub is started (antenna on the bottom right). If not start the Aladin HUB in menu Interop/Connect with SAMP
- When the above point is complete you can now:

[Start the WebSampConnector which will connect to the Samp hub](#)

 Stop WebSampConnector and terminates the connection to the Samp hub

Grille

200 Coeurs dans le noeud Obs



The screenshot shows the PORTAL Master Instance dashboard. At the top, there are navigation tabs: Dashboard, Downtimes, Regional List, GridMap, and SAMAP. Below the navigation, there is a filter section with a dropdown menu set to "sites in my scope" and a checkbox for "Open site boxes with ticket or alarm". There are also options to show sites with at least one alarm or one ticket, and dropdown menus for "no floor" selection. A "Filter" button is present. Below the filter section, there is a message: "Sites with a red border are visible in the C-COD dashboard!". The main content area shows a section for "Nodes" with a table of monitored sites.

Hostname	Production	Monitored	Description	IP address
bdii-local-grid.obspm.fr	●	●	Site-BDII	
ce-grid.obspm.fr	●	●	CE	
ce-grid.obspm.fr	●	●	APEL	
mon-grid.obspm.fr	●	●	MON	
se-dpm-server-grid.obspm.fr	●	●	Classic-SE	
ui-grid-new.obspm.fr	●	●	UI	

Tutoriel VAMDC prévu le 15 décembre ouvert dans la mesure des places disponibles.

❑ Client SAMP pour lire des cubes PDS

Services et
données

Conclusion

□ VO-Paris en charge de la WP5 – SA2

Travail d'infrastructure :

- Monitoring
- Réplication et qualité de service
- Portail Grille EGEE
- Perennisation
- Hébergement et maintenance d'outils de communication.

Services et
données

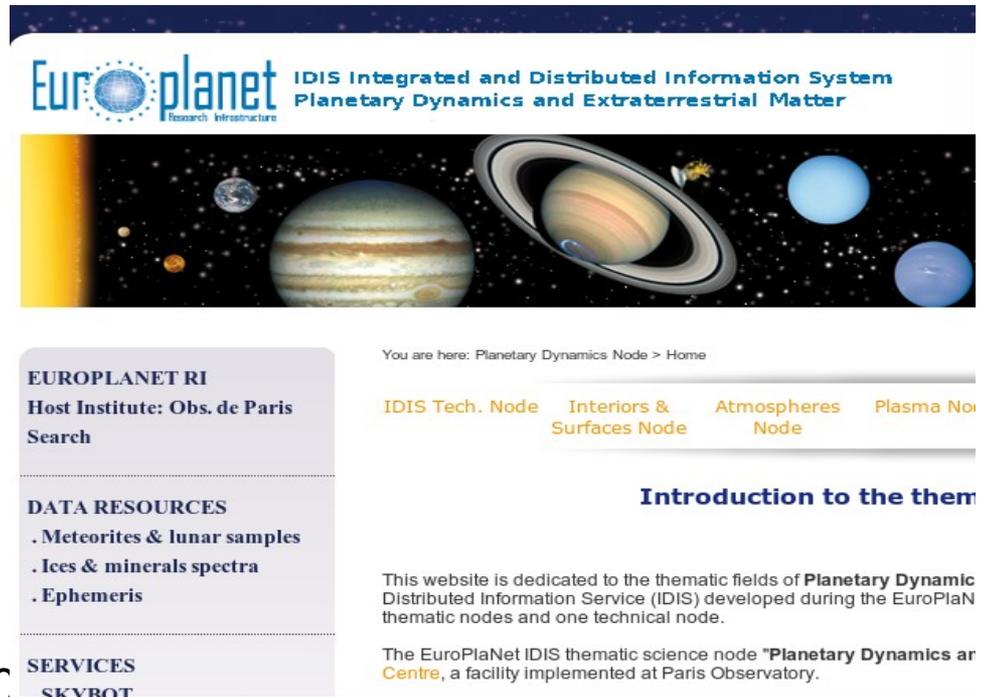
Conclusion

VO-Paris en charge de la JRA4 – SA IDIS

- Charge du noeud dynamique des petit corps et matière extraterrestre.
- Charge partagée des services à valeur ajoutés
- Lien avec le CDPP pour l'étude de standards
- Test des normes IVOA et PDAP sur des données internes

Services et données

Conclusion



Europlanet IDIS Integrated and Distributed Information System
 Planetary Dynamics and Extraterrestrial Matter
 Research Infrastructure

You are here: Planetary Dynamics Node > Home

[IDIS Tech. Node](#)
 [Interiors & Surfaces Node](#)
 [Atmospheres Node](#)
 [Plasma Node](#)

Introduction to the theme

This website is dedicated to the thematic fields of **Planetary Dynamic Distributed Information Service (IDIS)** developed during the EuroPlaNet thematic nodes and one technical node.

The EuroPlaNet IDIS thematic science node "**Planetary Dynamics at Centre**", a facility implemented at Paris Observatory.

EUROPLANET RI
 Host Institute: Obs. de Paris
 Search

DATA RESOURCES
 . Meteorites & lunar samples
 . Ices & minerals spectra
 . Ephemeris

SERVICES
 SKYBOT

VO-Paris en charge de la JRA4 – SA IDIS

- Charge du noeud dynamique des petit corps et matière extraterrestre.
- Charge partagée des services à valeur ajoutés
- Lien avec le CDPP pour l'étude de standards
- Test des normes IVOA sur des données internes

Services et données

Conclusion



The screenshot shows the Europlanet website interface. At the top, it features the Europlanet logo and the text "A European Research Infrastructure for Planetary Science". Below this is a banner image of various celestial bodies including Jupiter, Saturn, and Mars. The main content area is titled "Introduction to the thematic nodes of IDIS" and includes a navigation menu with links for "IDIS Tech. Node", "Interiors & Surfaces Node", "Atmospheres Node", "Plasma Node", "Small Bodies & Dust Node", and "Planet. Dynamics Node". The text below the menu states: "This website is dedicated to the thematic fields of Planetary Dynamics and Extraterrestrial matter as part of the Integrated and Distributed Information Service (IDIS) developed during the EuroPlanet project. In FP7 the IDIS System is divided into five thematic nodes and one technical node. The EuroPlanet IDIS thematic science node 'Planetary Dynamics and Extraterrestrial matter' is hosted by VO-Paris Data Centre, a facility implemented at Paris Observatory."

Conclusion

□ Des besoins

- Nouveaux services
- Etude d'utilisation de la grille
- Evolution du portail
- Implication dans Europlanet développement de SSODNET
- Implication dans VAMDC
- Développement de nouveaux services
- Simulation
- Mise en place des nouvelles infrastructures :
réplication multi-sites, archivage pour pérennisation
...