

# Accessing Planetary data with EPN-TAP

## Deployment feedback

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## Query form: All VO

Target name	<input type="text"/>	Target class	asteroid comet dwarf_planet exoplanet interplanetary_medium planet
Resource type	granule		
Dataset ID	<input type="text"/>		
Time selection	Data range is included in	the range between	
Time min	<input type="text"/>	Time max	<input type="text"/>
Dataproduct type	image spectrum dynamic_spectrum	Measurement type	<input type="text"/>

Location +  
Spectral +  
Time +  
Photometry +  
Instrument +  
Optional +

Query All VO Reset

## Plotting tools

- TOPCAT
- Aladin
- VOSpec
- SPLAT

## Example queries

- Saturn in March 2012

## What we do

- **Use a full-searchable registry harvesting all publishing registries known to the IVOA (ie. registered in the RofR).**
- **Communication between web client and registry through a REST API**
- **Discriminate all EPN-TAP services**
- **Get name, access\_url, description, creators, contributors**

## What we need

- **Web interface at euro-vo doesn't not always allow to make quick modifications in resource file**

## What we do

- **Converting web form into ADQL query**
- **COUNT queries to see which services could be interesting**
- **SELECT queries to get data as VOTable**

## What we need

- **LOWER function in ADQL equivalent to SQL one**
- **Handle list of items in VOTable answer from TAP servers**

## What we do

- **Use of samp.js library**
- **Send data as tables, images or spectra according to user choice**
- **Enjoying VO applications capabilities !**

## What we need

- **SAMP highlight row function interesting but row-index parameter is not very convenient**
- **SAMP security pop-up : displaying all url in the pop-up makes it HUGE !**

- **Already 11 EPN-TAP services implemented**
- **Most of the problems are being solved**
- **IVOA meetings are the best places to find solutions**

**THANK YOU**