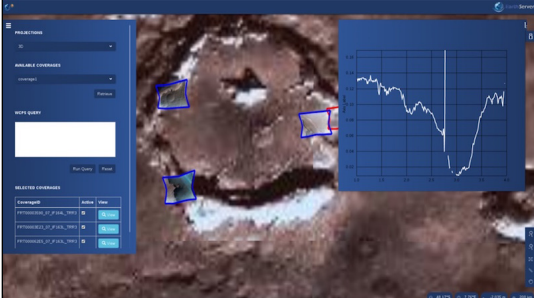
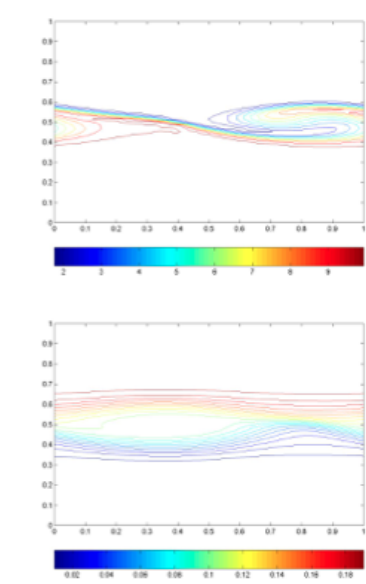


# Studied Service Descriptions, 2017

+ See conclusions below

People	Data Base Description	Institute / Team	Short description of service	Use case (s) / goal	Representative image (e.g. data/plot/graph/map)	ppt or alike as presented
<a href="#">David Kappel, Daniela Henckel</a>	Berlin Spectral Library	DLR	Lab spectra of minerals and meteorites	To be made interoperable with PDS spectral lib and future spectral services (SSHAD E, etc)		
<a href="#">Stéphane Erard</a>	PDS Spectral library	LESIA, Meudon	PDS archive compiled from various sources, set up for CRISM / MRO support, on PDS Geosciences node	Identify ways to describe samples and experimental setups.  Provide VOTable versions of files.  Make it usable in CASSIS		
<a href="#">Alan Macfarlane</a>	PSA PDS3 Data sample	European Space Agency / PSA		Deep look into grammars to retrieve info from PDS labels for several datasets  Study of data access in case of PDS3 files		
<a href="#">Andrea Connell, Shawn Brooks</a>	Cassini CIRS ring data	JPL		Assessment study of EPN-TAP services and VESPA infrastructure for Cassini derived data services to come.		
<a href="#">Gangloff Michel, Tarék Al-Ubaidi</a>	Enlarge IMPEX tree in AMDA service	IRAP /CDPP, IWF-CEAW, Graz		<a href="#">IMPEX Demons</a> <a href="#">trators</a> <a href="#">and</a> <a href="#">Tutorials</a> <a href="#">Website</a> .		

Lukasz Tomasiak Barbara Matyjasiak Mariusz Pooga	LOFAR test service; Space weather test service	SRC PAS, Poland				
Jan Soucek, David Písa		IAP, Prague	- Data spec for iPecman  - Set up own service to work with iPecman  - Issue with registration ?			
Baptiste Ceconi	NDA	LESIA / Obs Paris	Nançay decametric radio obs. of Jupiter	Conversion to CDF format. Mixin and custom grammar reading the CDF files to fill the view. Very generic, working.		
Christophe Ordenovich	MP3C	OCA	Compilation of tables of small bodies properties	Make existing service interoperable in VESPA, in particular with MPC, DynAstVO and M4ast EPN-TAP services.  Data retrieved on line and reorganized (compiled many table into one).  Current service does not use DACHS (same framework as PSA)		
Nathanael Jourdane	Illumination 67P + another one	IRAP + Imperial College	Illumination maps for 67P, existing EPN-TAP service	Shows the comet illumination for a given lat /lon of the Sun in the comet frame. Next step: shows the comet illumination for a given time		

Mikhail Minin	MRO/CRISM and other existing services at Jacobs Univ	JacobsUni, Bremen		Automated filling of s_region param in surface related services	
Stavro L. Ivanovski	<p>NASA dust catalogue update (currently ~ v1)</p> <p>KHTM (Kelvin Helmholtz Tearing Mode) Earth (+67P)</p>	IAPS, Rome	Provide access to MHD mixing layer model output. The model is utilized for simulating coupled Kelvin-Helmholtz and tearing mode instabilities at the Earth's magnetopause layer and has been updated for cometary environment.	<p>In order to support the interpretation of published magnetometric data, a candidate case would be to investigate the magnetic field configurations and flow shear at the magnetic cavity at 67P. It could complement the studies on the position and the dynamics of the magnetic cavity boundary.</p>	 <p>Density and magnetic field component <math>B_y</math>, shown as illustration of developed Kelvin Helmholtz and tearing mode instabilities (Model setup and description, Ivanovski et al. 2011).</p>

**Overall:**

- ~ All teams produced a service approaching working order
- Some services are nearly finalized
- Need to add link to data in some cases (possibly with on-the-fly format conversion, e.g. to VOTable)
- Need to interact further at EGU in April in some cases, to really finalize and improve interoperability
- The presence of Markus was very valuable for service providers, it significantly sped up the use of the mixins and grammars.

**More technical points:**

- epn-tap2 mixin to be completed (some optional kw still missing + global check)
- Link with VO-event, in particular for PSWS
- First study of link to PDS file + labels, see with Markus - To be developed for next Interop
- Need for a new spatial\_frame\_type = NONE value - value is mandatory for the mixin; using e.g. "body" makes general spatial searches longer with no reason
- UCD: identify required ones, to be proposed to next IVOA interop meeting (May)
  - Work out some use cases based on your services, to show what is the point and why we need new things
  - Add as *comments* (do not edit the page!) in dedicated wiki page: [IVOA standards adjustments](#)
- Message from Markus: use DaCHS support mailing list.

