

# Studied Service Descriptions, 2018

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	URL (when relevant)	Status
<a href="#">mariodamore</a>	Planetary Spectra Library (including a Europlanet TA)	DLR Berlin	Lab spectra of minerals and meteorites (emissivity)	To be made interoperable with BRL from 2017 workshop, PDS spectral lib and SSHADE				Almost finalized on 4th day.  DaCHS installed under Docker
<a href="#">Karin Dassas</a>	OMEGA calibrated cubes & mineralogical maps; Catalog of areas of interest on Mars; GAIA-DEM (Solar images)	IAS/CNRS Orsay	4 services :  OMEGA cubes are in netcdf.  Maps in fits or cdf (TBC), to be adjusted.	Currently accessible through Sitools2. Make data available via EPN-TAP. Correlate OMEGA with CRISM and HRSC (to come).  Cross study of GAIA-DEM with BASS2000 and related services.  Additional HiPS version of OMEGA maps to be made available from Aladin tree				All 3 services designed and implemented on a subset of data.  Some reformatting required for OMEGA.  2 OMEGA data services published; solar image one close to.
<a href="#">Róbert Szakáts</a>	Thermal infrared observations of asteroids and TNOs from SBNAF EU program	Max Planck-Institut für extraterrestrische Physik	Catalog of derived quantities from many observations (several / target, currently ~ 60,000)	Make it interoperable with TNOsarecool service + other observational services in EPN-TAP (M4ast...)				Almost finalized on 4th day.  target_name(s) to be fixed
<a href="#">Andrew Kopf</a> <a href="#">Chris Piker</a> <a href="#">Joey Mukherjee</a>	MarsExpress / Marsis; MarsExpress / ASPERA data; Juno images;	U. of Iowa, SwRI		Make data available.  Handle times series with Autoplot and das2server (with changing resolution)				All 3 services ~ designed on 4th day
<a href="#">Damien Albert</a>	SSHAD (Europlanet TA and VESPA)	IPAG/CNRS Grenoble	Access to SSHAD service (from VESPA), focus first on reflectance spectra	Implement SSHAD description to a reasonable level of complexity. This is intended as a quick access to SSHAD data for non-specialists.  Make it usable in CASSIS and SPLAT-VO				Working draft finalized on 4th day on a selection of products.  Need to check UCDs
<a href="#">Vladimir Kalegaev</a> <a href="#">Sergey Bobrovnikov</a>	Coronas measurements (time series in cdf);  Models, using IMPEX architecture	LMSU/SINP Moscow						

Alexandre Rostaing	Update of SPICAM and Mars Climate Database	LMD/CNRS and LATMOS /CNRS Paris	Mars atmosphere, observations and simulations	Complete with extra vertical profiles (SPICAM) and all modeling scenarios (MCD). Access to MCD with continuous parameters - dropped, redundant  Add datalink interface to MCD from Spicam (with granule parameters)				SPICAM ~ completed ; global scheme to connect the two services identified  MCD: redesigned in principle.  Updated versions published (July 2018)
Gangloff Michel	Server of VOevents from PSWS and VESPA	IRAP /CDPP, ObsParis						
Lukasz Tomasiak Barbara Matyjasiak pozoga	LOFAR test service; Space weather test service	SRC PAS, Poland						
Jan Soucek, David Pisa		IAP, Prague						
Manuel Scherf Tarek Al-Ubaidi	Observatory list	IWF, Graz		Merge existing lists; feed in the name resolver; set up an EPN-TAP data service. Use with datalink to call ephemeris services?				Advanced
Baptiste Cecconi		LESIA / ObsParis						
Stéphane Erard	Update of spectro_planets service	LESIA / ObsParis	Collection of planetary spectra selected from many sources	Mostly an update of data content (new solar spectrum) and some parameters  Retrieve physical ephemeris in q. rd to put them in the table? Accurate time is not always available...				Done in May
Mikhail Minin		JacobsUni, Bremen						
Stavro L. Ivanovski	NASA dust catalogue update;  VIR service	IAPS, Rome	Images and X-ray spectra of particles collected from airplane.  Dawn/VIR data archive	Update ndcs service to v2, including digitized spectra for ~ half the samples (from J. Lassue, IRAP) & publish.  VIR: links to data areas of cubes in SBN/PDS. Try and use datalink to link PDS labels together with the data - this has then to be handled in MATISSE for further processing.  Discuss future services: comet emission lines service; dust dynamics around 67P.				Dust catalogue rebuilt with csv file and eprn-tap2 mixin.  Need to remove previous v1-like version of ndcs from registry to publish this one

**Overall:**

- All teams produced a service approaching working order
- Some selected service projects are nearly finalized (on VMs) and almost ready for publication.
- The presence of Markus was very valuable for service providers - again. New insights on using datalink to trigger simulations
- Progress on publication method