EPN2020-RI

EUROPLANET2020 Research Infrastructure

H2020-INFRAIA-2014-2015

Grant agreement no: 654208

Deliverable D6.5
4th VESPA VA Review board

Due date of deliverable: 31/05/2019

Actual submission date: 05/06/2019

Start date of project: 01 September 2015   Duration: 48 months

Responsible WP Leader: ObsParis, Stéphane Erard

	Project funded by the European Union's Horizon 2020 research and innovation programme	
	Dissemination level	
PU	Public	x
PP	Restricted to other programme participants (including the Commission Service)	
RE	Restricted to a group specified by the consortium (including the Commission Services)	
CO	Confidential, only for members of the consortium (excluding the Commission Services)	

Project Number	654208
Project Title	EPN2020 - RI
Project Duration	48 months: 01 September 2015 – 31 August 2019

Deliverable Number	D6.5
Contractual Delivery date	31.05.2019
Actual delivery date	05.06.2019
Title of Deliverable	4th VESPA VA Review Board
Contributing Work package (s)	WP6
Dissemination level	Public

Board Reporting activity

Work package title VESPA-VA
Date of the meeting and reference period (to which the evaluation should be assessed) No board meeting or teleconference took place during the review period; iterations took place via email. Reference period: PM37-PM45
Details of the members of the review board   - Santa Martinez (ESA), santa.martinez@sciops.esa.int: chair   - Tom Stein (WUSTL / IPDA / PDS), stein@wunder.wustl.edu   - Joseph Mafi (UCLA / PDS), jmafi@igpp.ucla.edu   - Andrea Nass (DLR /Berlin), Andrea.Nass@dlr.de   - Sandrine Guerlet (LMD / Paris), sandrine.guerlet@lmd.jussieu.fr
Has the Work package met the objectives in the relevant period as described in the Description of Action? If not please provide suggestions Yes, based on the available reports and documentation. The number of online data services is very close to the final objective of 50 data services. Significant effort has been dedicated to the development of the SSHADE service with major upgrades and applications for other disciplines, in particular, Surfaces (e.g. GeoFITS implementation in GDAL, Planetary Cesium Viewer adapted to display simulations of exoplanet topographies). Nevertheless, not all recommendations and concerns raised by the review board in previous reports have been addressed yet, mainly those that could potentially lead to incomplete or misleading results when using the data search services. Some of these recommendations are summarised below (see previous reports for full reference):   - Conduct an usability study of the VESPA search interface to evaluate how well the users can achieve their goals, how satisfied they are, and how easily they are able to identify the data of interest.   *VESPA's WP leader reply: this would be planned in the follow up project (Europlanet 2024 RI, if funded), where a dedicated beneficiary on user interfaces was added. For EPN2020 RI we had the training sessions and a helpdesk to collect user feedback.*   - Implement systematic testing of the VESPA search portal.   *VESPA's WP leader reply: we do have unit tests and constant monitoring of the interface. Services are more difficult to maintain, but they pass a review before publication. We've also been going back to older services from beneficiaries to update them in the past 6 months.*   - Define mechanism to encourage/ensure data sets are up to date.

Has the Work package met the expected impact in the relevant period as described in the Description of Action? If not please provide suggestions

Yes, same as in previous period.

The VESPA team is very active in enlarging the data content and disseminating the results to a broad community. It is difficult to assess the impact on the scientific or amateur community, especially on such short timescales.

However, specific metrics (e.g. queries per science data set, type of data, most used filters) would be very useful to better assess the interests of the scientific community. This will allow to better focus the VESPA efforts and would contribute to increase the impact in the community. These metrics are not available to the review board.

VESPA's WP leader reply: We of course monitor this internally, but this still appears difficult to handle (see activity reports).

Has the Work package disseminated and exploited results in the relevant period as described in the Description of Action? If not please provide suggestions

Yes, same as in previous period.

The dissemination has been carried out at several major meetings in planetary sciences and through dedicated workshops, as well as during the IVOA and IPDA meetings.

However, as indicated in the previous report, the workshops participants' satisfaction with regards to the quality of the dissemination materials could be used as the main indicator of the quality of the dissemination activities. A questionnaire could be made available and informal discussions with participants could be collected to indicate the extent to which the presentations / material were adequate and interesting. A summary could be added to the report of the corresponding reference period report to be assessed by the review board. Such information is not available to the review board.

One additional recommendation that could help in the dissemination and exploitation of the results: Add capabilities to search for data (spatially referenced data) through WFS or WMS split by the different planetary bodies.

VESPA's WP leader reply: some EPN-TAP services provide links to WMS or WCS servers (eg: CRISM, USGS maps, HRSC, M3…), and those can be searched by target name in the portal. Our VO-GIS bridge is basic but goes beyond any existing system that we know of in the field (GIS data can be searched and handled in the VO, and GIS/astro formats can be converted while maintaining the georeferentiation - see QGIS tutorials and geofits doc & publication). Adding a more general bridge to OGS services (like we just did with the PDS dataset interface) would be, at first glance, extremely demanding and completely beyond the scope of the present programme. We might be able to study this in the future.