



# EPN2020-RI

## EUROPLANET2020 Research Infrastructure

H2020-INFRAIA-2014-2015 / Grant agreement no: 654208

### Deliverable D6.11 First VESPA training Session reports

Due date of deliverable: 31/05/2016

Actual submission date: 31/05/2016

Start date of project: 01 September 2015

Duration: 48 months

Work Package leader: Stéphane Erard / Observatoire de Paris

|                         |   |
|-------------------------|---|
| <b>Project Number</b>   | 654208  |
| <b>Project Title</b>    | EPN2020 - RI                                  |
| <b>Project Duration</b> | 48 months: 01 September 2015 - 30 August 2019 |

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| <b>Deliverable Number</b>            | D6.11                                |
| <b>Contractual Delivery date</b>     | 31/05/2016                           |
| <b>Actual delivery date</b>          | 31/05/2016                           |
| <b>Title of Deliverable</b>          | First VESPA training Session reports |
| <b>Contributing Work package (s)</b> | WP6                                  |
| <b>Dissemination level</b>           | Public                               |
| <b>Author (s)</b>                    | Angelo Pio Rossi, Vincent Génot      |

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

➤ **Abstract:**

The VESPA training session at the 2016 EGU General Assembly was held on Tuesday 19<sup>th</sup> April 2016 in Vienna (Austria). 11 individuals gathered and participated to the tutorials and discussion. Some potential new dataset and service has been identified for future inclusion into VESPA. Follow-up activities will occur, including studying of the feasibility and technical details of the data sharing process. Tutorials are being steadily updated and will be used in next editions of the training session in other conferences such as EPSC, EPSC/DPS, as well as the EGU 2017 General Assembly.

---

➤ **Introduction**

VESPA Training sessions for users, complementing those for data producers (both through AO and within beneficiaries) are planned and carried out for major scientific conferences with relevant Planetary Science presence. One of the main appointments is the EGU General Assembly. The European Geoscience Union General Assembly 2016 was gathering a large fraction of the solar and planetary science community, and thus is a particularly well targeted opportunity for such an event.

➤ **Summary of the EGU VESPA training session**

The EGU 2016 VESPA training session was held on Tuesday 19<sup>th</sup> April 2016 and lasted for 4h.

The participants (11 attendees) worked on several tutorials from those available on [VESPA \(VESPA Tutorials, 2016\)](#).

The current capabilities of the Surface-related (Geoscience) GIS (Geographic Information System) functionalities of VESPA were demoed, in particular the integration of WebGis and OGC Web Services within VESPA ([VESPA Surfaces JRA Task4, 2016](#); [Rossi et al., 2016](#)). Data services external to VESPA were discussed, in particular related to access and analysis of MEX MARSIS subsurface data (radargrams) and simulations (simulated radargrams) produced jointly by INAF (R. Orosei) and EPFL (e.g. [Cantini and Ivanov, 2016](#)). A scientist from JPL came to learn how to share his own data. Record of the tutorial session is also included on the VESPA main web site ([VESPA Tutorials at conferences, 2016](#)).

## ➤ Outcome of the EGU VESPA training session

The VESPA training session allowed fruitful interaction among participants and contacts were made in order to add more data to VESPA and make them discoverable. Subsurface science data related to MEX MARSIS are most suitable for inclusion in the activities of JRA Task 4 (Surfaces). A discussion on follow-up activities took place and both data and simulation from MARSIS will be evaluated for inclusion in a new or an existing VESPA data service.

Further steps include:

- Update and refinement of existing tutorial
- Creation of newly developed tutorials
- Follow up actions in other tasks related to enlarged content.

## ➤ References

Cantini, F., and A. Ivanov (2016) Mars, accessing the third dimension: a software tool to exploit Mars ground penetrating radars data, Geophysical Research Abstracts, Vol. 18, EGU2016-12545

Rossi, A. P., et al. (2016) Remote Sensing Data Analytics for Planetary Science with PlanetServer/EarthServer, Geophysical Research Abstracts, vol. 18, EGU2016-3996.

VESPA Tutorials (2016) <http://typhon.obspm.fr/VESPA-tutorials/index.php?page=1>

VESPA Surfaces JRA Task4 (2016) VO table and related web pages  
<http://epn1.epn-vespa.jacobs-university.de>

VESPA Tutorials at conferences (2016)  
<http://typhon.obspm.fr/VESPA-tutorials/index.php?page=2&conference=9>

---

This deliverable is also available online (restricted area):

<https://voparis-confluence.obspm.fr/display/VES/D6.11+-+VESPA+training+session+report>