EPN2020-RI

EUROPLANET2020 Research Infrastructure

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Deliverable D11.1
VESPA website/GIT

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Responsible WP Leader: Observatory of Paris, Stephane Erard

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Dissemination level		
PU	Public	√
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)	

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Abstract: The VESPA GIT/web page, reachable from https://github.com/epn-vespa, will provide access to all code developed within VESPA activities in EuroPlanet-RI. It will contain distinct repositories and dedicated Team will manage them. Code will be released according to the Data Management Plan. Documentation will include readme files as well as GitHub wiki at project end. During the project development relevant task-specific information and support will be provided by the VESPA web site and wiki on https://discussions.europlanet-vespa.eu and (alias) https://voparis-confluence.obspm.fr.

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1 Introduction and background

The Virtual European Solar and Planetary Access (VESPA) Work Package of Europlanet-H2020-RI will provide during its course an amount of code, tools, scripts, pieces of software of different kind. All of its software is going to be made publicly usable and will be a substantial part of the technical heritage of the EuroPlanet project, contributing to its overall impact.
In order to achieve the impact, the establishment of a set of repositories under the same organizational umbrella has been decided.
The service of choice, given the very large user base, the open and free nature of the service and its commitment to Open Source (including provision of free license to educational and research institutions and individuals) is GitHub[1].

2 Structure of GitHub

The GitHub organisational page for VESPA will contains several repositories. Teams of contributors will be classified by Task (e.g. "Surface") but individuals will be able to contribute to any repository, if relevant.

Topical teams reflecting VESPA task have been created, namely:

- Tools & Interfaces: https://github.com/orgs/epn-vespa/teams/tools-interfaces
- SSHADE: https://github.com/orgs/epn-vespa/teams/sshade
- Surfaces: https://github.com/orgs/epn-vespa/teams/surfaces
- Magnetospheres: https://github.com/orgs/epn-vespa/teams/magnetospheres
- Small bodies: https://github.com/orgs/epn-vespa/teams/small-bodies
- Atmospheres: https://github.com/orgs/epn-vespa/teams/atmospheres
- Exoplanets: https://github.com/orgs/epn-vespa/teams/exoplanets
- Enlarging content: https://github.com/orgs/epn-vespa/teams/new-services
- Amateur community linking: https://github.com/orgs/epn-vespa/teams/amateur
- Training: https://github.com/orgs/epn-vespa/teams/training

Additionally, code developed in the FP7 EuroPlanet iteration is going to be added, such as matrix (EuroPlanet FP7, 2014).
The structure of VESPA repository set is suitable for easy migration in different systems, either commercial or Open Source.

[1] https://github.com

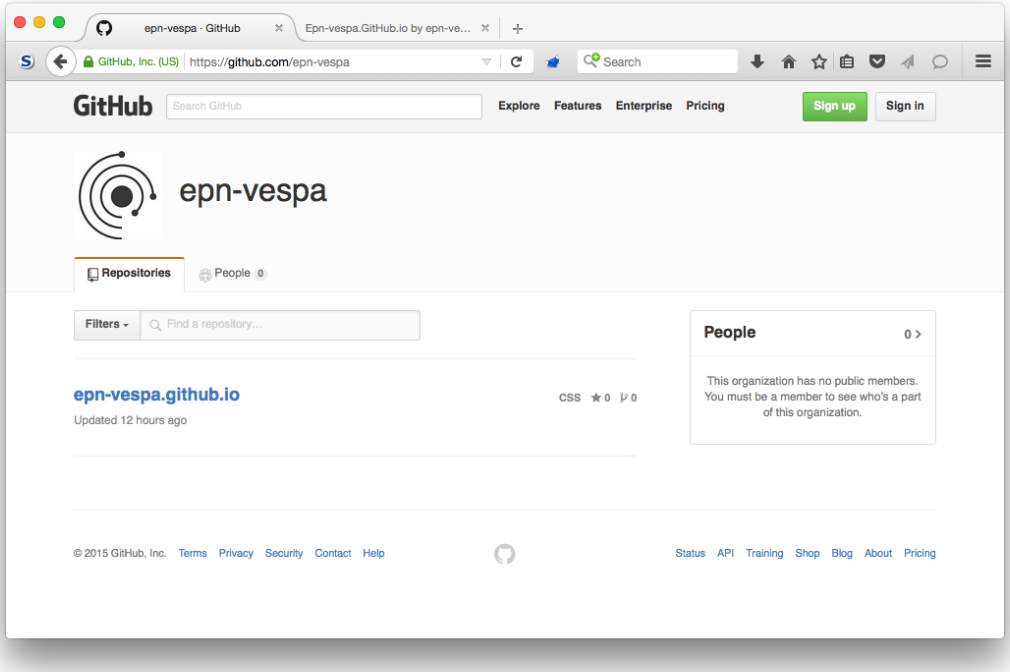

Figure 1: Entry page of the VESPA GitHub team, to be populated progressively throughout the development of the Work Package.

3 Use of code in VESPA GIT

Each task of VESPA will contribute with one or more repositories linked to individual development activities. Contributors will be using their own GitHub account in order to provide inputs. Teams will be established within the organisational GitHub page accordingly.

Code will include in relevant readme files and comments the statement (or equivalent):

```
# Title:  script example to convert votable comming from EPN-TAP to GeoJson
# Author:     Pierre Le Sidaner <pierre.lesidaner@obspm.fr>
# Status:     Active
# Type:   Process
# Created:    Nov-2015
#
#  Developed on the frame of Europlanet/RI H2020 Vespa
#
# This program is free software: you can redistribute it and/or modify
# it under the terms of the GNU General Public License as published by
# the Free Software Foundation, either version 3 of the License, or
# (at your option) any later version.

# This program is distributed in the hope that it will be useful,
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# MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the
# GNU General Public License for more details.

# Copy of the GNU General Public License can be found on:
# <http://www.gnu.org/licenses/>.
```

Citation of code will comply with the Data Management Plan. Systems such as Zenodo (Zenodo, 2015) taking advantage of existing e-Infrastructures will be used in order to make code releases quotable.

4 URL and related information on the web

Web access is available through the URL:

https://github.com/epn-vespa

Individual access to repositories will be provided both linked from the main entry page and from VESPA web and wiki page (see D6.1).

The associated descriptive web page is available through the URL:

http://epn-vespa.github.io

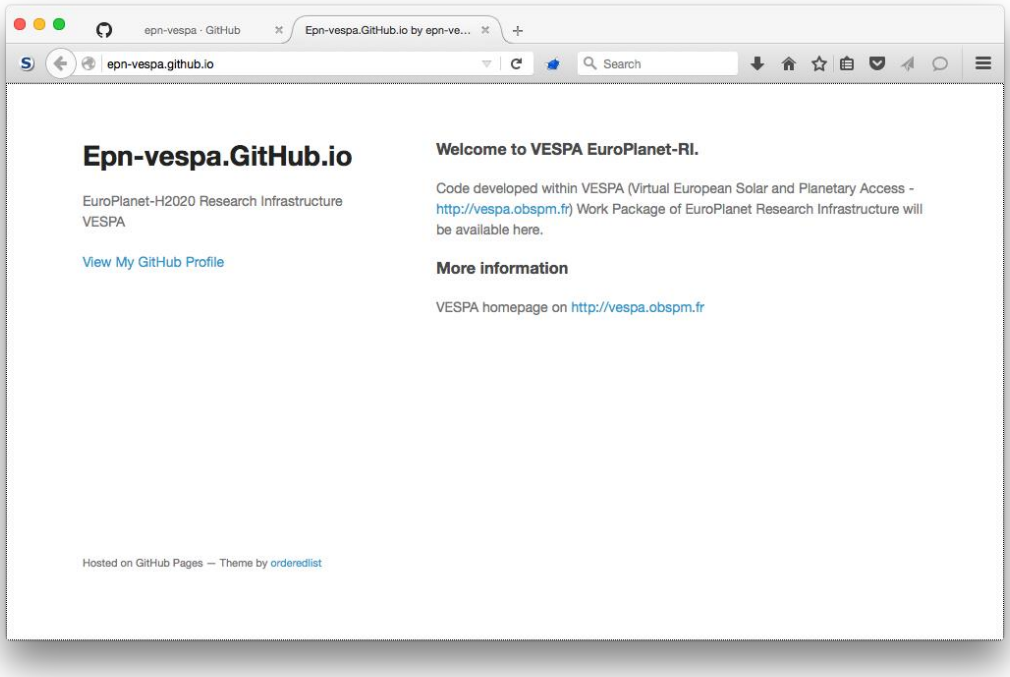

Figure 2: Entry page to contain basic information and relevant links to VESPA web portal and documentation

References

EuroPlanet FP7 (2014) Matrix web page - http://iwf.oeaw.ac.at/matrix/, accessed November 2015

VESPA coordination (2015) VESPA user interface to access data clients - http://vespa.obspm.fr , accessed November 2015

VESPA coordination (2015) VESPA main web site (additional domain to be added, see D6.1 - http://voparis-europlanet.obspm.f/EPN2020.html, and http://europlanet-vespa.eu accessed November 2015

VESPA coordination (2015) VESPA wiki system - https://voparis-confluence.obspm.fr and https://discussions.europlanet-vespa.eu, accessed November 2015

Zenodo (2015) data and code repository supported by EC OpenAire - https://zenodo.org, accessed November 2015