



# **DELIVERABLE 7.1**

**Project website**

**MONTH 3**






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This document describes the philosophy and goals behind the VineScout webpage, and it shows the content of each section.

Francisco Rovira-Más (UPV), Verónica Saiz-Rubio (UPV)

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## Introduction

The goal behind the **VineScout** webpage is to keep the robotics community –especially for agricultural applications–, the farm machinery industry, researchers on automation, engineers, students, technology lovers, and wine production stakeholders aware of the progress made in the project. The web will narrate how obstacles appear in the way, the approach to handle them, and the milestones achieved in the complex process of transforming a prototype into a market-ready product. The sections organized in two menu bars will help to deliver all the key information. Figure 1 shows the Home page that appears when visiting the project webpage: [www.vinescout.eu](http://www.vinescout.eu).

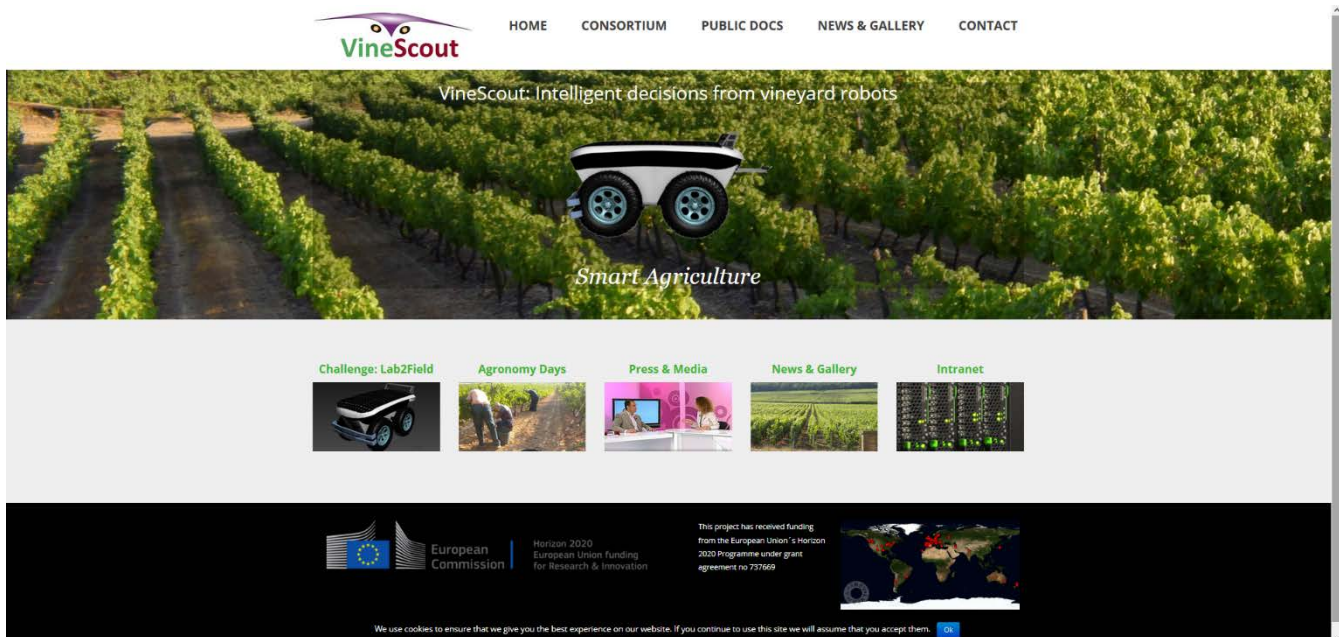


Figure 1. Home page of the VineScout website.

## Webpage General Menu

When accessing the webpage of Figure 1, two potential alternatives can be followed; a general menu placed below the opening scene and divided into five sections represented by a reference image, and a conventional menu bar located at the web's top on the right side of the VineScout logo.

The Webpage General Menu consists of the following sections:

### 1. Challenge: Lab2Field



This section describes some specific challenges faced in VineScout when moving from a functional prototype to a commercial solution in less than 3 years. The idea behind this page is to relate our experience in overcoming certain shortcomings that turned out to be significant for the success of the project, even though they initially did not appear to be very relevant. In brief, this section was conceived as a *hint & tips* window with the purpose of helping other researchers in the field of agricultural robotics be more efficient in their designs by avoiding those solutions that eventually did not work out as expected, mainly after intense testing in the field.

### 2. Agronomy Days



This section gravitates around the end-user, and is devoted to cover the special event called *Agronomy Days* (AD). These events will be one-day gatherings with actual users, potential buyers, and interested stakeholders that

express their willingness to learn about the project and contribute to it with their practical “ground-based” experience. The execution of each AD will be aligned with the philosophy of a user-centered design. *Agronomy Days* will take place within the annually-planned Steering Weeks, which represent the central meeting of all the partners of the consortium with the Advisory Board members available, and even the VineScout Project Officer. The structure of a typical AD will include field hands-on experience, classroom-based instruction, and the administration of a voluntary questionnaire from which the consortium will retrieve ideas for upcoming designs. As a result, the partners will get together every year with producers from different origins in actual vineyards, where the robotic prototypes in progress will be explained by the project team, and handled by future end-users, who ideally will pose operational challenges *in vivo* and through the written questionnaires. This page also provides a link where potential users of the robot from other areas or countries can apply to participate in upcoming AD events. The AD are scheduled to coincide with the beginning of the harvesting season every year of the project.

### 3. Press & Media



This section is the communication area, and it will contain the main press releases derived from the promotion of the VineScout project. The format of these articles can vary from digital to paper, or even to short promotional videos or partner’s interviews.

### 4. News & Gallery



This area intends to keep project followers updated with all the activities related with the project. It will consist of short articles informing about project meetings, technical conferences, field tests and demos, attendance to tradeshows to promote the project, and every project event carried out by one or several partners.

### 5. Intranet



The content in the Intranet section is password protected. It is intended to be used by the partners of the project and authorized European Commission members. Typical material posted here will comprise project-customized templates for deliverables, oral presentations, and meeting minutes, as well as the documents themselves, both public and confidential.

## Webpage Top bar Menu

### Home

This tab takes the user to the Home page shown in Figure 1.

### Consortium

The Consortium section lists all partners in the project and the key personnel of every institution involved in the project. It contains a brief description of each partner and the role played by each member.

### Public Docs

This part is divided into two subsections: *Deliverables* and *Publications*. The *Deliverables* section (Figure 2) provides a list of all the deliverables, highlighting the release date of due documents and providing a link to download those documents labeled as public (PU). The section *Publications* entails the dissemination area, which will contain all the open access technical publications released during the project.

### News & Gallery

This tab provides an alternative access to section 4. *News & Gallery* of the Webpage General Menu. Figure 3 depicts some articles already published in this section.

Del.	Deliverable name	WP n°	Lead Part.	Diss. level	Delivery date
D1.1	Deployment of prototypes.	1	WALL	PU	M10,22,34
D2.1	Construction and assembly of the electronic systems.	2	SUN	PU	M10,22,34
D2.2	Schematic diagram of the electronic system designed and assembled in the VineScout.	2	SUN	CO	M34
D3.1	Mapping algorithms for basic maps	3	UDLR	CO	M24
D3.2	Algorithms embedded in advanced operative maps.	3	UDLR	CO	M36
D4.1	Software generated in format of closed libraries.	4	UPV	PU	M36
D4.2	Operator manual.	4	UPV	PU	M36
D5.1	Report on decision support value of robot-generated maps.	5	UDLR	CO	M27
D5.2	Testimony of <i>Agronomy Days</i> .	5	SYM	PU	M12, 24
D5.3	Report on the oenological potential of the VineScout to make a distinctive wine.	5	SYM	CO	M36
D6.1	Report on cost-efficiency study.	6	SUN	CO	M15, 30
D6.2	Business model and exploitation plan.	6	UPV	CO	M12,24,36
D6.3	Report on innovation management.	6	SUN	CO	M36
D7.1	Project website.	7	UPV	PU	15 March 2017
D7.2	Release of professional videos.	7	UDLR	PU	M22, 34
D7.3	Report on dissemination activities.	7	UDLR	PU	M36
D8.1	Evaluation of the Advisory Board.	8	UPV	PU	M36
D8.2	Official progress report (technical and financial).	8	UPV	PU	M9,18,27, 36

Figure 2. List of Deliverables in *Public Docs* tab under the Deliverables subsection.

## Contact

The contact form printed in Figure 4 is supplied in order to contact the Project Coordinator via email. This contact form is the same as the one prepared for end-users in section 2. *Agronomy Days* of the Webpage General Menu.

## FIELD TESTING IN PORTUGAL

Quinta do Ataíde, 12-24 June, 2017



UPV, SUN, and SYM teams joined in the vineyards of Quinta do Ataíde (SYM) to test the navigation algorithms of the robot, draft the new electronic system, and challenge robot components at temperatures around 40 °C.

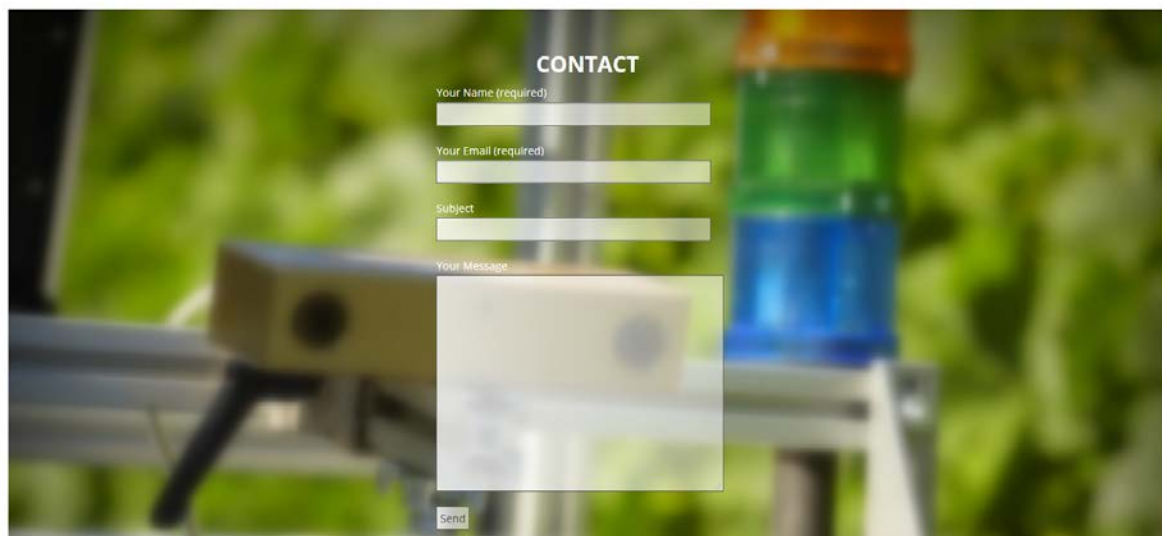
## GLOBAL ROBOT EXPO

Madrid, 2-4 February, 2017



The project VineScout was presented at a robotics tradeshow.

Figure 3. Articles published in the *News & Gallery* section of the VineScout website.



**CONTACT**

Your Name (required)

Your Email (required)

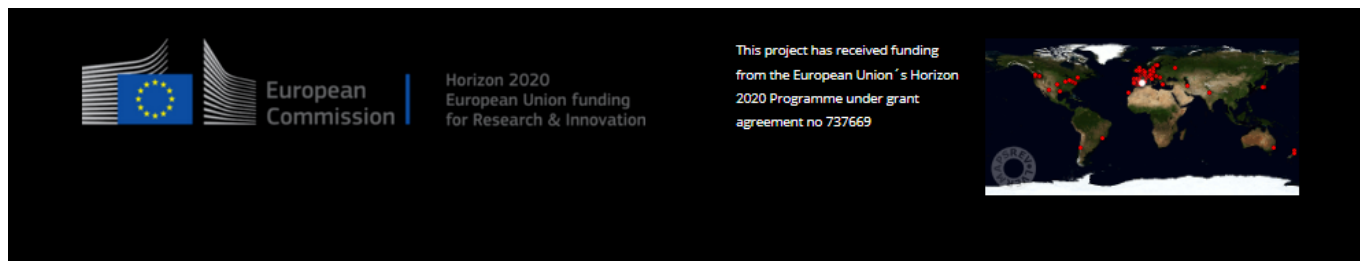
Subject

Your Message

Figure 4. Contact form to easily reach the Project Coordinator.

## Webpage bottom stripe

Figure 5 contains a static stripe that is common to all sections and subsections of the webpage, appearing constantly regardless of the sections currently in view. This stripe comprises the European Commission logo followed by the official and mandatory sentence *“This project has received funding from the European Union’s Horizon 2020 Programme under grant agreement no. 737669.”*



**Figure 5. Band at the bottom of the webpage.**

The right side of the bottom stripe includes a worldwide map locating the geographical origin of the visits since the website was publicly released. Figure 6 pops up when the map is clicked, showing the live statistics of the webpage visits. These statistics provide the number of times the webpage is accessed and the place from where it was accessed. When the tab *2D map* from Figure 6 is clicked, Figure 7 appears, showing a two-dimensional map indicating visitor’s locations with yellow dots.

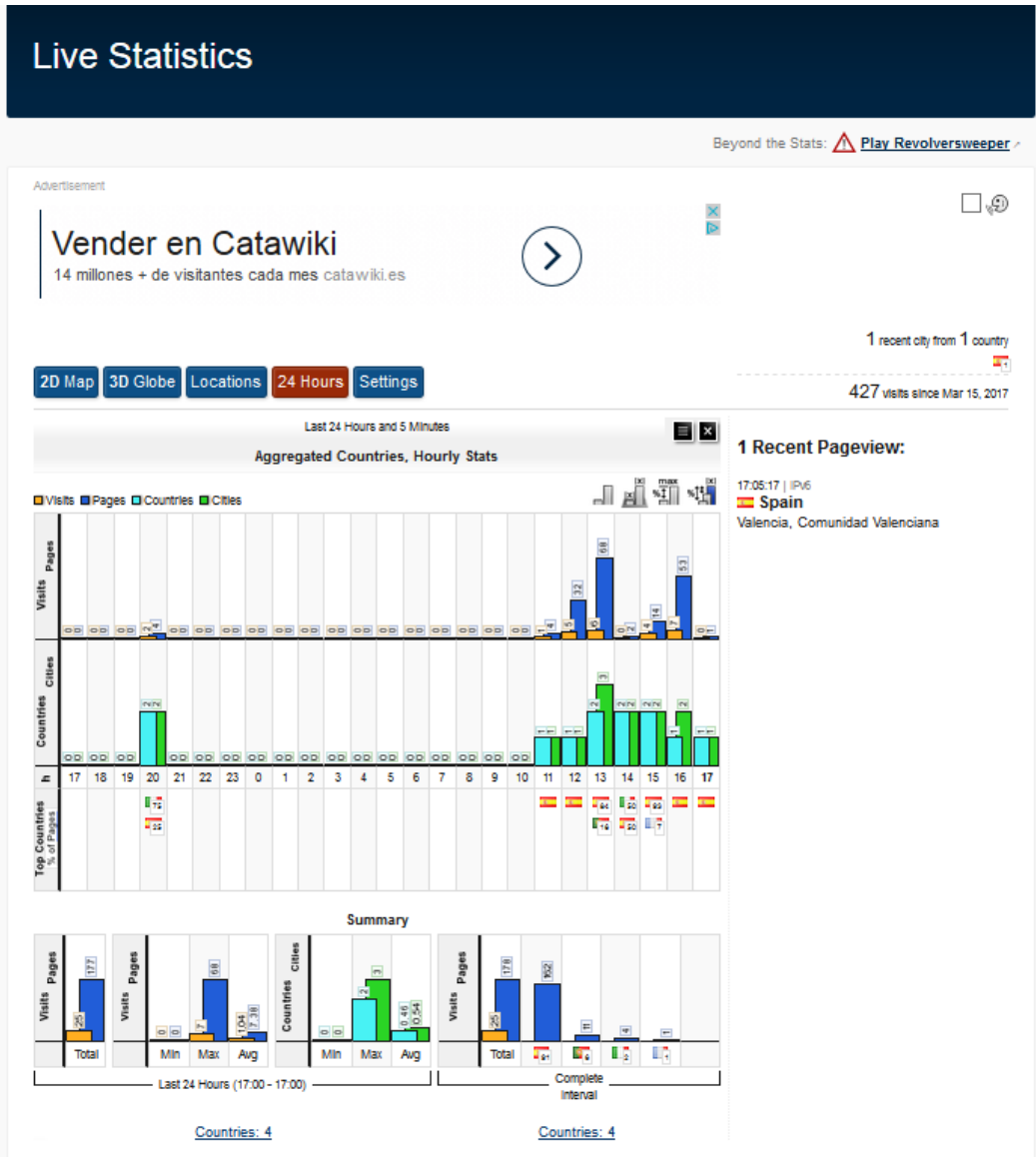


Figure 6. Live statistics for the VineScout webpage showing recent visits and their geographical locations.



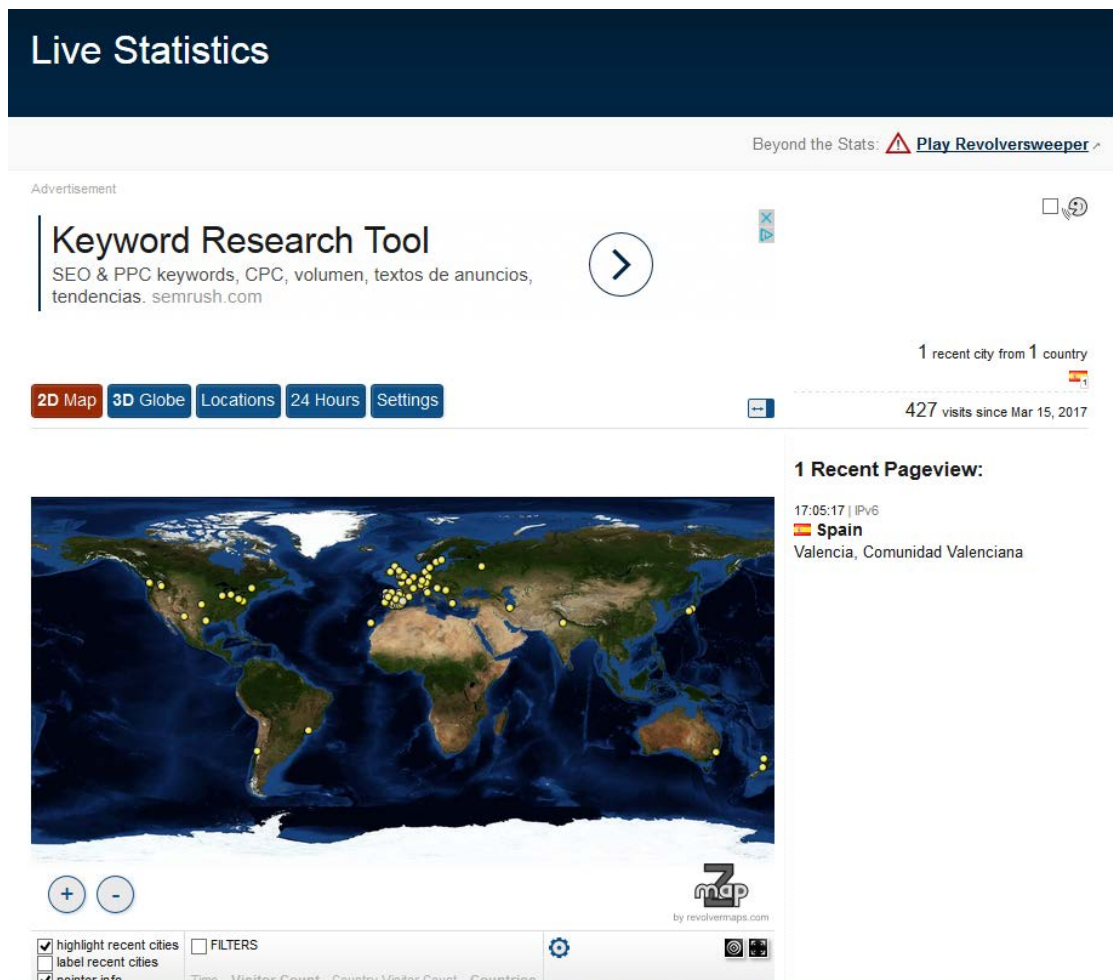


Figure 7. Two-dimensional map showing the places where the webpage was accessed.

## Conclusions

The VineScout website has been designed to display and inform about the progress of the project in a dynamic and interactive way. From it, other researchers may learn what decisions will not help their designs, end-users might register to participate in Agronomy Days, documents of interest can be quickly downloaded, such as deliverables or journal papers, and all the news related to the project can be easily tracked by project followers.