VineScout
Project ID: 737669
Funded under: H2020-EU.2. - PRIORITY 'Industrial leadership'
H2020-EU.3. - PRIORITY 'Societal challenges'

Intelligent decision from vineyard robots

From 2016-12-01 to 2020-11-30, ongoing project | VineScout Website

Project details

<table>
<thead>
<tr>
<th>Total cost:</th>
<th>Topic(s):</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUR 2 125 081,25</td>
<td>FTIPilot-01-2016 - Fast Track to Innovation Pilot</td>
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<td>EU contribution:</td>
<td>Funding scheme:</td>
</tr>
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<td>EUR 1 741 225,63</td>
<td>IA - Innovation action</td>
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</tbody>
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Coordinated in:
Spain

Objective

The wine industry is strategically for Europe, both economically and socially speaking. Its competitive position in the global market depends on the long-term reputation of its wines, which needs many years to be built but can be lost quickly with a poor wine. The risk of losing reputation is high when repeatability cannot be granted, which happens ever more in the vineyards where manual data sampling is meager due to unaffordable costs.

Therefore, our aim is to industrialize, demonstrate, and take as first ones to market an innovative expert field monitoring system (decision support system) embedded in a small-size and cost-efficient robot for the vineyard, which will be the follow-up of the successful EU-funded project VineRobot (TRL6/7). In order to ensure commercial success, we will optimize both the external design and the internal electronics, as well as industrialize the navigation and mapping software for top performance, protection, and user friendliness.

For this we count on an industry-driven consortium, targeting one of the largest agricultural sectors in Europe, with a strong business plan and the support of a large number of committed industry leaders and end-users, ensuring a rapid market deployment. Market penetration will be boosted by the SMEs already active in the robotics and viticulture sectors, reinforced by strategic tradeshows and international conferences.

As a result, we target a cumulative turnover of €33 Million in five years yielding €10.9 Million of industrial benefits, reaching a market adoption of 5% which will provide service to 54,540 ha of EU vineyard area. In addition, VineScout technology will attract young farmers to rural areas, which is becoming crucial for the sustainability of the sector since current farming population is near retirement age. The practical adoption of robotics in agriculture will create employment, in part with the advent of new industries related to ICT, precision management, and data interpretation.

Related information

Report Summaries
Periodic Reporting for period 2 - VineScout (Intelligent decision from vineyard robots)
**Coordinator**

UNIVERSITAT POLITECNICA DE VALENCIA  
CAMINO DE VERA SN EDIFICIO 3A  
46022 VALENCIA  
Spain  
**EU contribution:** EUR 490 625

See on map

**Activity type:** Higher or Secondary Education Establishments

Contact the organisation

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**Participants**

WALL-YE SARL  
RUE DOYENNE 5  
71000 MACON  
France  
**EU contribution:** EUR 303 056,25

See on map

**Activity type:** Private for-profit entities (excluding Higher or Secondary Education Establishments)

Contact the organisation

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SUNDANCE MULTIPROCESSOR TECHNOLOGY LTD  
CHILTERN HOUSE UNIT 20 WATERSIDE  
HP5 1PS CHESHAM  
United Kingdom  
**EU contribution:** EUR 431 834,38

See on map

**Activity type:** Private for-profit entities (excluding Higher or Secondary Education Establishments)

Contact the organisation

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UNIVERSIDAD DE LA RIOJA  
AVENIDA DE LA PAZ 93  
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**EU contribution:** EUR 354 937,50

See on map

**Activity type:** Higher or Secondary Education Establishments

Contact the organisation

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SYMINGTON FAMILY ESTATES, VINHOS,SA  
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4400 034 VILA NOVA DE GAIA  
Portugal  
**EU contribution:** EUR 160 772,50

See on map

**Activity type:** Private for-profit entities (excluding Higher or Secondary Education Establishments)

Contact the organisation
SYMINGTON - VINHOS SA

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EU contribution: EUR 0

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)

Contact the organisation

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