

Partnering Opportunity

Profile status : Published

Research Development Request

Italian SME is looking for a partnership with a farm company for testing a drone that sprays phytosanitary products on crops (Framework Programme: H2020)

Summary

An Italian and a Lithuanian SMEs have developed a technology that enables drones to spray phytosanitary products on crops. In order to participate in the 2nd open call of the H2020-funded AgROBOfood project, the consortium is looking for an end-user where testing and validating their aerial spot spraying system, under research cooperation. The partner sought is farm company with know-how of pest control treatments, whose main cultivations include e.g. vineyards, apples, pears, small fruits, etc.

Creation Date 16 April 2021

Last Update 24 April 2021

Expiration Date 31 May 2021

Reference RDIT20210416001

Public Link <https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/429aeb79-670c-4959-b876-c202d75f562a>

Details

Description

An Italian SME that develops customized drones and a Lithuanian SME with experience in ICT/IOT/AI have developed an aerial unmanned robot (drone) capable of spraying phytosanitary products on various types of cultivations.

The current TRL of the system is 6 and the consortium is working on the optimisation of the overall technology. As the next step before being commercialized, the drone needs to be tested and validated in a real operative

environment to reach TRL 7.

In order to participate in the 2nd Open Call for Innovation Experiments of the H2020-funded AgROBOfood project, the consortium is looking for a partnership with an end-user, where testing and validating their aerial spot spraying system in a real operative scenario, under research cooperation. The desired end-user partner should be a farm company, whose main cultivations include e.g. vineyards, olives, apples, pears, small fruits, etc. Also, the partner should preferably have expertise in the application of pest control treatments and crop protection products.

Technical Specification or Expertise Sought

Validation of new technologies in agronomic fields, pest control systems.

Stage of development

Prototype available for demonstration

IPR Status

Patent(s) applied for but not yet granted

Comment Regarding IPR status

Patent under presentation

Keywords

Technology

02011001

Aeronautical technology / Avionics

07001001

Agriculture Machinery / Technology

Market

09005

Agriculture, Forestry, Fishing, Animal Husbandry & Related Products

Network Contact

Issuing Partner

ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY W SZCZECINIE

Contact Person

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Open for EOI: **Yes**

Dissemination

Restrict dissemination to specific countries

Slovenia, Switzerland

Relevant sector groups

Aeronautics, Space and Dual-Use Technologies
Agrofood
ICT Industry and Services

Client

Type and Size of Organisation Behind the Profile

Industry SME 11-49

Year Established

0

Already Engaged in Trans-National Cooperation

Yes

Languages Spoken

English
German
Italian

Client Country

Italy

Partner Sought

Type and Role of Partner Sought

The partner sought is an end-user, where the consortium can test and validate their aerial spot spraying system in a real operative scenario. The desired end-user partner should be a farm company, whose main cultivations include e.g. vineyards, olives, apples, pears, small fruits, etc. Also, the partner should preferably have expertise in the application of pest control treatments and crop protection products.

Type and Size of Partner Sought

SME 11-50, University, Inventor, R&D Institution, SME <10,>500 MNE, 251-500, SME 51-250, >500

Type of Partnership Considered

Research cooperation agreement

Program - Call

Framework Program

H2020

Call title and identifier

Project AgROBOfood - 2nd Open Call for Innovation Experiments

Anticipated Project Budget

EUR 300.000 - 500.000

Coordinator required

No

Deadline for EOI

31 May 2021

Deadline of the Call

31 May 2021

Weblink to the call

<https://agrobofood.eu/2nd-open-call-for-innovation-experiments/>

Attachments