**Earth observation service for preventive control of insect disease vectors**

**Fact Sheet**

### Project Information

**VECTRACK**

Grant agreement ID: 853758

**DOI**

[10.3030/853758](10.3030/853758)

**Funded under**

Horizon 2020 Framework Programme

**Total cost**

€ 1,975,316.00

**EU contribution**

€ 1,558,957.00

**Coordinated by**

IRIDEON SL

Spain

**EC signature date**

15 May 2019

**Start date**

1 November 2019

**End date**

30 April 2023

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Project description

Using satellites to bite back West Nile virus

Keeping track of mosquitoes is essential to prevent vector-borne diseases, which are emerging infectious diseases. For instance, Europe experienced a growing threat of the West Nile virus infection in the summer of 2018 – the spike was due to high temperatures followed by wet weather – conditions that make mosquitoes most likely to bite. To effectively control disease-vectors, the EU-funded VECTRACK project will develop remote sensing and spatial modelling techniques to create special maps to assist with risk surveillance and assessments. To deliver the first transnational and automated vector surveillance system, the project will use the Earth Observation Satellite Sentinel service, as well as ground nodes with optoelectronic sensors for the remote and automated counting and classification of mosquitoes.

Fields of science

medical and health sciences > health sciences > infectious diseases > RNA viruses
natural sciences > biological sciences > microbiology > virology
engineering and technology > environmental engineering > remote sensing
natural sciences > earth and related environmental sciences > atmospheric sciences > climatology > climatic changes
natural sciences > biological sciences > zoology > invertebrate zoology

Keywords

Copernicus Sensors Disease Vectors Outbreaks Public Health
Programme(s)

H2020-EC - Horizon 2020 Framework Programme
H2020-EU.3. - PRIORITY ‘Societal challenges
H2020-EU.2.1. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies

Topic(s)

EIC-FTI-2018-2020 - Fast Track to Innovation (FTI)

Call for proposal

H2020-EIC-FTI-2018-2020

See other projects for this call

Funding Scheme

IA - Innovation action

Coordinator

IRIDEON SL
Net EU contribution
€ 569 583,00
Address
Avenida josep tarradellas 38
08029 Barcelona
Spain
SME
Yes
Region
Este > Cataluña > Barcelona
Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)
Links
Participants (3)

AVIA-GIS NV
Belgium

Net EU contribution
€ 401 916,00

Address
Risschotlei 33
2980 Zoersel

SME
Yes

Region
Vlaams Gewest > Prov. Antwerpen > Arr. Antwerpen

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

Links
Contact the organisation
Website
Participation in EU R&I programmes
HORIZON collaboration network

Total cost
€ 574 166,25

INSTITUT DE RECERCA I TECNOLOGIA AGROALIMENTARIES
Spain

Net EU contribution
€ 318 863,00

Address
Ctra c-59 km 12 torre marimon
08140 Caldes de montbui barcelona

Region
Este > Cataluña > Barcelona

Activity type
Other

Links
Contact the organisation
Website
Participation in EU R&I programmes
HORIZON collaboration network

Total cost
€ 318 863,50

INSTITUTO NACIONAL DE SAUDE DR. RICARDO JORGE
Portugal

Net EU contribution
€ 268 595,00

Address
Avenida padre cruz
1649-016 Lisboa

Region
Continente > Área Metropolitana de Lisboa > Área Metropolitana de Lisboa

Activity type
Research Organisations

Links
Contact the organisation
Website
Participation in EU R&I programmes
HORIZON collaboration network

Total cost
€ 268 595,00

Last update: 12 December 2023

Permalink: https://cordis.europa.eu/project/id/853758