



Wearables and droneS fOr Clty Socio-Environmental Observations and BEhavioral ChangE

Fact Sheet

Project Information

SOCIO-BEE

Grant agreement ID: 101037648

[Project website](#)

DOI

[10.3030/101037648](#)

Project closed

EC signature date

2 September 2021

Start date

1 October 2021

End date

30 September 2024

Funded under

SOCIETAL CHALLENGES - Climate action, Environment, Resource Efficiency and Raw Materials

Total cost

€ 5 455 801,66

EU contribution

€ 4 999 858,91

Coordinated by

ETHNIKO KENTRO EREVNAS
KAI TECHNOLOGIKIS
ANAPTYXIS
 Greece

This project is featured in...



25 June 2024



Project description

The citizen science behind pro-environment behaviours

Citizens and their communities, particularly those that are vulnerable to the impacts of climate change, can play an important role in achieving climate neutrality. Scientists are developing social innovation tools to empower communities to adopt pro-environment actions and sustainable behaviours aligned with environmental policy. Inspired by the bee metaphor (worker and drone bees as main 'citizen science actors'), EU-funded SOCIO-BEE will study the facilitation of structures to increase citizen engagement and awareness of climate change through experimentation and monitoring of the environment. The project aims to develop low-cost technological innovations and instruments that will tangibly contribute to the overall pro-climate campaign, with primary focus on improving air-quality in urban areas.

Fields of science (EuroSciVoc)

[engineering and technology](#) > [environmental engineering](#) > [air pollution engineering](#)

[engineering and technology](#) > [electrical engineering](#), [electronic engineering](#), [information engineering](#) > [electronic engineering](#) > [robotics](#) > [autonomous robots](#) > [drones](#)

[social sciences](#) > [political sciences](#) > [political policies](#) > [civil society](#)

Keywords

[air-pollution](#)

[wearable sensors](#)

[drones](#)

[citizen science scalability](#)

[urban air pollution monitoring](#)

Programme(s)

[H2020-EU.3.5. - SOCIETAL CHALLENGES - Climate action, Environment, Resource Efficiency and Raw Materials](#)

MAIN PROGRAMME

Topic(s)

[LC-GD-10-3-2020 - Enabling citizens to act on climate change, for sustainable development and environmental protection through education, citizen science, observation initiatives, and civic engagement](#)

Call for proposal

[H2020-LC-GD-2020](#) 

[See other projects for this call](#)

Sub call

H2020-LC-GD-2020-3

Funding Scheme

[IA - Innovation action](#)

Coordinator



ETHNIKO KENTRO EREVNAS KAI TECHNOLOGIKIS ANAPTYXIS

Net EU contribution

€ 586 946,99

Total cost

€ 586 946,99

Address

CHARILAOU THERMI ROAD 6 KM

57001 Themi Thessaloniki

 **Greece** 

Region

Βόρεια Ελλάδα > Κεντρική Μακεδονία > Θεσσαλονίκη

Activity type

Research Organisations

Links

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

Participants (17)



HYPERTECH (CHAIPERTEK) ANONYMOS VIOMICHANIKI EMPORIKI ETAIREIA
PLIROFORIKIS KAI NEON TECHNOLOGION

Greece

Net EU contribution

€ 396 686,21

Address

32 PERIKLEOUS STREET
152 32 CHALANDRI ATHINA



SME



Yes

Region

Αττική > Αττική > Βόρειος Τομέας Αθηνών

Activity type

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

Links

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

Total cost

€ 566 694,59



VRIJE UNIVERSITEIT BRUSSEL

Belgium

Net EU contribution

€ 723 965,43

Address

PLEINLAAN 2

1050 Bruxelles / Brussel 

Region

Région de Bruxelles-Capitale/Brussels Hoofdstedelijk Gewest > Région de Bruxelles-Capitale/ Brussels Hoofdstedelijk Gewest > Arr. de Bruxelles-Capitale/Arr. Brussel-Hoofdstad

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 723 965,43



UNIVERSIDAD DE LA IGLESIA DE DEUSTO ENTIDAD RELIGIOSA

 Spain

Net EU contribution

€ 392 131,58

Address

AVENIDA DE LAS UNIVERSIDADES 24

48007 Bilbao 

Region

Noreste > País Vasco > Bizkaia

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 392 131,58



STICHTING HOGESCHOOL VOOR DE KUNSTEN UTRECHT

 Netherlands

Net EU contribution

€ 271 068,14

Address

NIEUWEKADE 1

3511 RV Utrecht 

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 271 068,14



UNIVERSITA DEGLI STUDI DI PADOVA

 Italy

Net EU contribution

€ 252 311,86

Address

VIA 8 FEBBRAIO 2

35122 Padova 

Region

Nord-Est > Veneto > Padova

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 252 311,86



VEREIN DER EUROPÄISCHEN BÜRGERWISSENSCHAFTEN - ECSA E.V.

 Germany

Net EU contribution

€ 225 360,86

Address

INVALIDENSTR. 43

10115 Berlin 

Region

Berlin > Berlin > Berlin

Activity type

Research Organisations

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 225 360,86



BETTAIR CITIES SL

 Spain

Net EU contribution

€ 517 113,65

Address

TRAVESSIA INDUSTRIAL 149 4C

08907 Hospitalet de Llobregat 

SME 

Yes

Region

Este > Cataluña > Barcelona

Activity type

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

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost



FUNDACION ZARAGOZA CIUDAD DE CONOCIMIENTO

Spain

Net EU contribution

€ 126 365,58

Address

AVENIDA CIUDAD DE SORIA 8 EDIFICIO E2 PLANTA 6 DENTRO DEL ETOPIA
50003 Zaragoza

Region

Noreste > Aragón > Zaragoza

Activity type

Research Organisations

Links

- [Contact the organisation](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

€ 126 365,58



FUNDACION IBERCIVIS

Spain

Net EU contribution

€ 147 889,00

Address

CALLE MARIANO ESQUILLOR SN CAMPUS RIO EBRO EDIFICIO I+D BLOQUE 2 PLANTA 2
50018 Zaragoza

Region

Noreste > Aragón > Zaragoza

Activity type

Research Organisations

Links

- [Contact the organisation](#)
- [Participation in EU R&I programmes](#)

Total cost
€ 147 889,00



AYUNTAMIENTO DE ZARAGOZA

 Spain
Net EU contribution
€ 156 489,00

Address
PLAZA DEL PILAR 18
50071 Zaragoza 

Region
Noreste > Aragón > Zaragoza

Activity type
Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)

Links
[Contact the organisation](#) 
[Participation in EU R&I programmes](#) 
[HORIZON collaboration network](#) 

Total cost
€ 156 489,00



MUNICIPALITY OF AMAROUSSION

 Greece
Net EU contribution
€ 258 289,43

Address
9 VASILISSIS SOFIAS STR AND D. MOSCHA STR.
15124 Ammaroussion 

Region
Αττική > Αττική > Βόρειος Τομέας Αθηνών

Activity type

Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)

Links

- [Contact the organisation](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

€ 258 289,43



STIFTELSEN NILU

Norway

Net EU contribution

€ 295 794,61

Address

INSTITUTTVEIEN 18
2027 Kjeller

Activity type

Research Organisations

Links

- [Contact the organisation](#)
- [Website](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

€ 295 794,61



ARISTOTELIO PANEPISTIMIO THESSALONIKIS

Greece

Net EU contribution

€ 97 492,14

Address

KEDEA BUILDING, TRITIS SEPTEMVRIOU, ARISTOTLE UNIVERSITY CAMPUS
546 36 THESSALONIKI

Region

Βόρεια Ελλάδα > Κεντρική Μακεδονία > Θεσσαλονίκη

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 97 492,14



COMUNE DI ANCONA

 Italy

Net EU contribution

€ 99 284,86

Address

PIAZZA XXIV MAGGIO 1

60124 Ancona 

Region

Centro (IT) > Marche > Ancona

Activity type

Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 99 284,86



UNIVERSITA POLITECNICA DELLE MARCHE

 Italy

Net EU contribution

€ 107 034,86

Address

PIAZZA ROMA 22
60121 Ancona 

Region

Centro (IT) > Marche > Ancona

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 107 034,86



LIBELIUM LAB SL

 Spain

Net EU contribution

€ 150 066,57

Address

CALLE LUIS BUNUEL 6

30562 Ceuti 

SME 

Yes

Region

Sur > Región de Murcia > Murcia

Activity type

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

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 214 380,81



CENTRE D'ACCOMPAGNEMENT DE PROJETS INNOVANTS ASBL

 Belgium

Net EU contribution

€ 195 568,14

Address

RUE DE L'INDUSTRIE 20

1400 Nivelles 

Region

Région wallonne > Prov. Brabant Wallon > Arr. Nivelles

Activity type

Other

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 195 568,14

Last update: 30 April 2025

Permalink: <https://cordis.europa.eu/project/id/101037648>

European Union, 2025