Development of sensor-based Citizens' Observatory Community for improving quality of life in cities

Fact Sheet

Project Information

CITI-SENSE
Grant agreement ID: 308524

Project website

Closed project

Funded under
FP7-ENVIRONMENT

Overall budget
€ 12 341 563,29

EU contribution
€ 8 968 282

Start date
1 October 2012
End date
30 September 2016

Coordinated by
NILU STIFTELSEN NORSK INSTITUTT FORLUFTFORSKNING
Norway

Objective

CITI-SENSE will develop “citizens’ observatories” to empower citizens to contribute to and participate in environmental governance, to enable them to support and influence community and societal priorities and associated decision making. CITI-SENSE will develop, test, demonstrate and validate a community-based environmental monitoring and information system using innovative and novel Earth Observation applications.

To achieve this, the project will: (i) raise environmental awareness in citizens, (ii) raise user participation in societal environmental decisions and (iii) provide feedback on the impact that citizens had in decisions. It will address the call’s request for
effective participation by citizens in environmental stewardship, based on broad stakeholder and user involvement in support of both community and policy priorities. The project aims to learn from citizen experience and perception and enable citizenship co-participation in community decision making and co-operative planning. The concept of CITI-SENSE rests on three pillars: technological platforms for distributed monitoring; information and communication technologies; and societal involvement. Three pilot case studies will focus on a range of services related to environmental issues of societal concern: combined environmental exposure and health associated with air quality; noise and development of public spaces, and indoor air at schools. Attention will be given to representativeness of citizen participation. The case studies will be designed in collaboration with citizens’ groups and decision makers. They will be based on distributed data collection using innovative static, portable and personal devices (low-cost reliable microsensor packs) that communicate with a data repositories through mobile phones or other devices. Development of participatory methods, data management strategies, and applications to facilitate exploitation of the data and information for policy, and society, will be done.

**Fields of science**

**Programme(s)**

**Topic(s)**

**Call for proposal**

FP7-ENV-2012-two-stage

**Funding Scheme**

CP - Collaborative project (generic)

**Coordinator**

NILU STIFTELSEN NORSK INSTITUTT FORLUFTFORSKNING
### Participants (30)

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<tr>
<th>Organisation details</th>
<th>Activity type</th>
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<tr>
<td>Website</td>
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<tr>
<td>Anna Sillero (Ms.)</td>
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<td><strong>PETER VAN DEN HAZEL</strong></td>
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TECHNION - ISRAEL INSTITUTE OF TECHNOLOGY

Israel
EU contribution
€ 293 850

Address
Senate Building Technion City
32000 Haifa

Activity type
Higher or Secondary Education Establishments

Website
Contact the organisation

Administrative Contact
Lavan Jack (Mr.)

CESKE VYSOKE UCENI TECHNICKE V PRAZE

Czechia
EU contribution
€ 192 568

Address
Jugoslavskych Partyzana
1580/3
160 00 Praha

Activity type
Higher or Secondary Education Establishments

Website
Contact the organisation

Administrative Contact
Vaclav Jirovsky (Dr.)

QUEENSLAND UNIVERSITY OF TECHNOLOGY - QLD QUT

Australia
EU contribution
€ 79 380

Address
George Street 2
4001 Brisbane

Activity type
Higher or Secondary Education Establishments

Website
Contact the organisation

Administrative Contact
AIRBASE SYSTEMS LTD

Israel
EU contribution
€ 91 376,60

Address
Granot Factories
38100 Emeg Hefer

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

Website
Contact the organisation

Administrative Contact
Liad Ortar (Mr.)

NTRAM GENERAL S.A.

Spain
EU contribution
€ 320 796

Address
Calle Victor Pradera 45
08940 Cornella De Llobregat
Barcelona

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

Website
Contact the organisation

Administrative Contact
Alicja Grzegorzek (Ms.)

GAC SPOL SRO

Czechia
EU contribution
€ 62 159,39

Address
Na Baste Sv Jiri 259 / 9
160 00 Praha

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

Website
Contact the organisation

Administrative Contact
I G b l (D)
INSTITUTE OF OCCUPATIONAL MEDICINE
United Kingdom
EU contribution
€ 429 842
Address
Research Avenue North, Riccarton 45
EH14 4AP Edinburgh
Website
Contact the organisation
Administrative Contact
Susan Makari (Ms.)

IRITZIAK BATUZ KOOP ELK TXIKIA
Spain
EU contribution
€ 116 646
Address
Calle Ibaigane 8 1 Izq Areeta
48930 Getxo
Contact the organisation
Administrative Contact
Jonatan Moreno (Mr.)

AMPER S & C IOT SL
Spain
EU contribution
€ 407 200
Address
Avda Barcelona 105 Edificio Ig-nova Despacho 8
08700 Igualada
Website
Contact the organisation
Administrative Contact
Narcis Avellana (Dr.)
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FUNDACION PRIVADA INSTITUTO DE SALUD GLOBAL BARCELONA

Spain

Address
C Rossello 132 Planta 05
08036 Barcelona

Activity type
Research Organisations

Website
Contact the organisation

Administrative Contact
Anna Sillero (Ms.)

USTAV EXPERIMENTALNI MEDICINY AKADEMIE VED CESKE REPUBLIKY VEREJNA VYZKUMNA INSTITUCE

Czechia

EU contribution
€ 314 000

Address
Videnska 1083
14220 Praha 4

Activity type
Research Organisations

Website
Contact the organisation

Administrative Contact
Radim Sram (Dr.)

INSTITUT ZA NUKLEARNE NAUKE VINCA

Serbia

EU contribution
€ 148 000

Address
Mihajla Petrovica Alasa 12
11307 Vinca Beograd

Activity type
Other

Website
Contact the organisation

Administrative Contact
Milena Jovasevic-Stojanovic (Dr.)

INSTITUT JOZEF STEFAN

Slovenia

EU contribution
€ 301 710
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**Administrative Contact**

Regina Gruden (Ms.)

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**Administrative Contact**

Arne-Jørgen Berre (Dr.)

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**Administrative Contact**

Itziar Aspuru (Ms.)

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**Administrative Contact**

9 of 12
### THE CHANCELLOR MASTERS AND SCHOLARS OF THE UNIVERSITY OF CAMBRIDGE

**Administrative Contact**  
Sanghoon Lee (Dr.)

**EU contribution**  
€ 249 300

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

**Administrative Contact**  
Renata Schaeffer (Ms.)

### DRUSTVO ZA KONSALTING, RAZVOJ I IMPLEMENTACIJU INFORMACIONIH I KOMUNIKACIONIH TEHNOLOGIJA DUNAVNET DOO NOVI SAD

**Administrative Contact**  
Boris Pokric (Dr.)

**EU contribution**  
€ 175 622

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

### SNOWFLAKE SOFTWARE LIMITED

**Administrative Contact**  
Boris Pokric (Dr.)

**EU contribution**  
€ 352 320

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**Website**  
[Contact the organisation](#)
**GEOTECHNICAL INSTRUMENTS UK LTD**

United Kingdom

EU contribution

€ 305 026

Address

Queensway Sovereign House
CV31 3JR Leamington Spa

Activity type

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

Website

Contact the organisation

Administrative Contact

Ian Painter (Mr.)

**OBEO AS**

Norway

EU contribution

€ 130 384

Address

Cort Adelers Gate 16
0254 Oslo

Activity type

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

Website

Contact the organisation

Administrative Contact

Bent Dale (Mr.)

**VLAAMSE GEWEST**

Belgium

EU contribution

€ 323 236

Address

Avenue Du Port 88
1000 Brussel

Activity type

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

Contact the organisation
Administrative Contact
Christel Fostier

SALTLUX INCORPORATED
South Korea

Address
6F Deok-il Building, 967 Daechi-dong, Gangnam-gu 135-848 Seoul

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

Contact the organisation

Administrative Contact
Seonho Kim

ENVIRONMENTAL INSTRUMENTS LIMITED
United Kingdom

Address
Unit 5, The Mansley Centre, Timothy’s Bridge Road CV37 9NQ Stratford-upon-avon

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

Website

Administrative Contact
Amanda Randle

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