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

Status
Closed project

Start date
1 October 2012
End date
30 September 2016

Funded under
FP7-ENVIRONMENT

Overall budget
€ 12 341 563,29

EU contribution
€ 8 968 282

Coordinated by
NORSK INSTITUTT FOR LUFTFORSKNING STIFTELSE
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.

Field of science

/engineering and technology/electrical engineering, electronic engineering, information engineering/information engineering/telecommunications/mobile phone

Programme(s)

Topic(s)

Call for proposal

FP7-ENV-2012-two-stage

Funding Scheme

CP - Collaborative project (generic)

Coordinator

NORSK INSTITUTT FOR LUFTFORSKNING STIFTELSE

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Website  

Contact the organisation
Participants (30)

**Fundacio Centre de Recerca en Epidemiologia Ambiental - CREAL**

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EU contribution

€ 457 560

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Alphasense Limited
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<td>SNOWFLAKE SOFTWARE LIMITED</td>
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<td>United Kingdom</td>
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Record number: 106482

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