Project title:

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

Acronym: **CITI-SENSE** Grant Agreement No: **308524**

EU FP7- ENV-2012

Collaborative project

Deliverable D 9.8

Fact sheet nr.2

Work Package 9

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Versioning and contribution history

Version	Date issued	Description	Contributors
0.1	14.02.2014	Comments on content and layout	Mark Nieuwenhuijsen (CREAL), Elena Turco (S&C), William Lahoz (NILU), Hai-Ying Liu (NILU), Alena Bartonova (NILU)
0.2	21.03.2014	Internal review 1	Marika Lüders (SINTEF)
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Peer review summary

Internal review 1			
Reviewer	Marika Lüders		
Received for review	13.03.2014	Date of review	21.03.2014

Internal review 2			
Reviewer	Dean Kavanagh (Geotech)		
Received for review	21.03.2014	Date of review	24.03.2014

Executive Summary

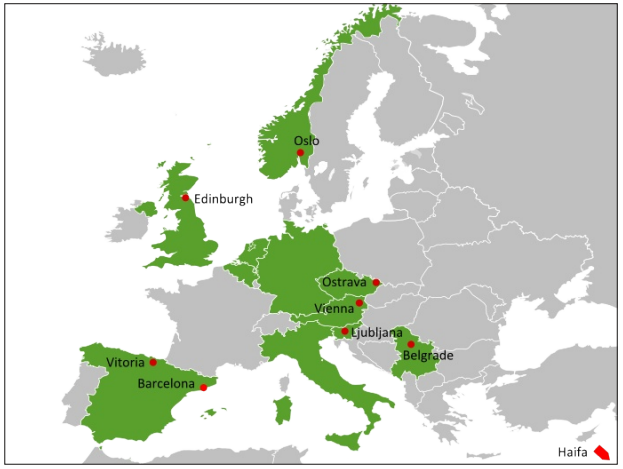
This deliverable contains the updated version of the CITI-SENSE information brochure.

The current version is based on the previous one, with an update of partner institutions, project officer and following the updated guidelines regarding the use of EU logo and funding acknowledgement.

Content wise does this version provide the reader with a short introduction into project structure and concept and the Empowerment Initiatives (EIs) in 9 different European cities. Since the evaluation of the project pilot phase is not yet carried out, the new brochure is still quite general about the project content. Information about CITI-SENSE's contribution to the GEOSS is also available.

Project Partners

1. NILU-Norwegian Institute for Air Research, NO
2. Peter van den Hazel, NL
3. Norwegian Asthma and Allergy Association, NO
4. Technion – Israel Institute of Technology, IL
5. Czech Technical University, CZ
6. Queensland University of Technology, AU
7. AirBase Systems Ltd, IL/DE
8. ATEKNEA - Ateknea Solutions Catalonia S.A., ES
9. GAC Ltd, CZ
10. IOM-Institute of Occupational Medicine, UK
11. Iritziak Batuz, ES
12. Sensing & Control Systems SL, ES
13. Alphasense Limited, UK
14. UBIMET GmbH, AT
15. U-Hopper, IT
16. CREAL – Centre for Research in Environmental Epidemiology, ES
17. Institute of Experimental Medicine, Academy of Sciences of the Czech Republic, CZ
18. Vinca Institute of Nuclear Sciences, RS
19. Jozef Stefan Institute, SI
20. Stiftelsen SINTEF, NO
21. Tecnalia – Fundacion Tecnalia Research & Innovation, ES
22. Korea Institute of Construction Technology, KR
23. University of Cambridge, UK
24. DunavNet doo Novi Sad, RS
25. Snowflake Software, UK
26. Geotech, UK
27. Obeo, NO
28. EV INBO, BE
29. Saltlux, KR
30. uAbureau, AU/ES



Geographic distribution of CITI-SENSE partner organizations (green) and the locations of the 9 case studies (red).
Additional partners are from Israel, South Korea and Australia.

Project Officers:

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www.citi-sense.eu
www.citizen-obs.eu
http://co.citi-sense.eu

CITI-SENSE

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

Developing Citizens' Observatories with a variety of micro sensors

Integrating data analysis across data types and cities

Empowering citizens to influence community policy & decision making

Contributing to GEOSS

www.citi-sense.eu

This project has received funding from the European Union's Seventh Programme for research, technological development and demonstration under grant agreement No 308524, with a duration of four years, beginning in October 2012.

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

Air quality, environmental quality of public spaces in cities and indoor air quality in schools are areas that benefit from direct engagement of citizens. CITI-SENSE is developing "Citizens' Observatories" in these areas to empower citizens to contribute to and participate in environmental governance, to support and influence community and societal priorities and associated decision making. In the Citizens' Observatories citizens will access real-time data about the environment locally and globally, report their own observations and influence policy and decision making.

We expect these observatories to lead to the **following outcomes**:

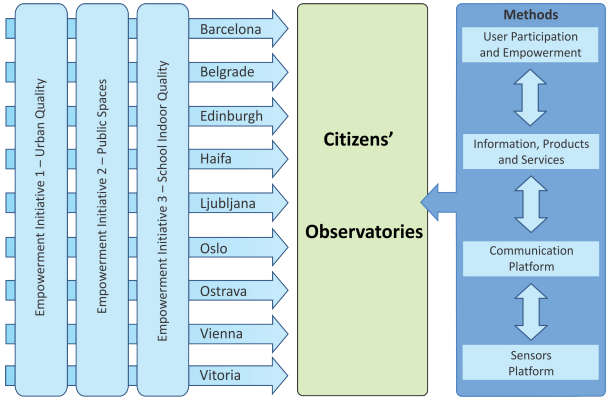
- Raise environmental awareness and support participatory sensing
- Provide tailored data and environmental information tools
- Raise user participation in societal environmental decisions
- Improve urban eco-planning and environmental management with input from the public
- Improve spatial coverage and increase usage of environmental data for the benefit of society
- Develop new methods for spatial interpolation and visualization of environmental data
- Provide GEOSS compatible data

What is new about CITI-SENSE?

- High technology environmental sensors, innovative data fusion methods and communication paired with scientific analysis and efficient communications with users and the public
- Deployment of static (fixed) and mobile (personal) sensors to monitor various environmental components
- Combination of new sensing technology, ICT platforms and participatory methods into useful products

Concept

The concept of CITI-SENSE rests on realising the chain **"sensors-platform-products-users"**: technologies for distributed monitoring **(sensors)**; information and communication technologies **(platform)**; information products and services **(products)**; and citizen involvement in both monitoring and societal decisions through participation and empowerment **(users)**.



CITI-SENSE Approach - More than 20 Citizens' Observatories (COs) across nine cities:

- 8 COs for outdoor air quality in cities
- Up to 10 COs for indoor air quality in schools
- 4 COs for personal comfort in public spaces
- 9 cities: Barcelona, Belgrade, Edinburgh, Haifa, Ljubljana, Oslo, Ostrava, Vienna and Vitoria

CITI-SENSE and GEOSS

CITI-SENSE is operating within an open e-collaboration framework with the other projects funded under the same FP7-ENV-2012 call. Common methodologies and standards for data archiving, discovery and access within the GEOSS framework will be deployed so that they may be directly useful for the users of GEOSS. CITI-SENSE will make Citizens' Observatory data available through the GEOSS infrastructure, and plan to create a joint GEOSS portal for Citizens' Obseravtories together with the other four projects.