



mnscientis

Odour MoNitoring and Information System based on CitizEN and Technology Innovative Sensors

CONFERENCE

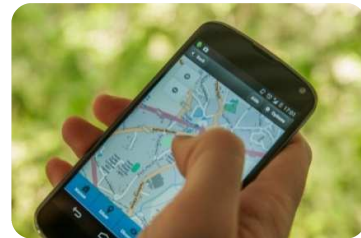
Citizens Involvement and Technology at the Service of Odour Monitoring

September 23rd, 2014 / 9h – 14h / Brussels

Odour is recognized as a strong or even severe nuisance. Even if industrials and local authorities develop strategies to mitigate the olfactory impact on the neighbours, they often deal with the opposition of citizens.

QUESTIONS

- How could technologies help solving social and political problems addressed by local residents?
- How could a sociological approach involve citizens and strengthen local decision-making?
- How to address odours annoyance transforming potentially conflicting parties in a collaborative relationship?



OMNISCIENTIS SOLUTION



OMNISCIENTIS, a R&D European funded project proposes a win-win strategy:

- A global approach involving local authorities, industrials and citizens
- An objective diagnose and identification of odour sources
- A technical and user-driven solution

The OMNISCIENTIS solution comprises:

- A **mobile application**, OdoMap, letting citizens act as human sensors.
- Atmospheric **dispersion pollution models** adapted to the odour domain, with speed improved by a factor of 100 (!!). It is now capable of near real-time performance.
- A **citizen observatory**, a socio-technical mediation and a community based monitoring approach to empower citizens.
- An innovative electronic nose **in-situ sensors network**.
- A **web-oriented service platform**, OdoMis, integrating in real time observations all the different inputs (e-noses, citizens' observations, emissions,...). It offers validated monitoring statistics and impact levels, supporting local authorities in their environmental decision making, offering to the industrials a diagnosis of the odour annoyance and giving citizens a feedback on their complaints.



Results has been tested and validated in two pilots: one in an industrial site (Belgium) and the other one in a pig farm (Austria).

OMNISCIENTIS FINAL CONFERENCE

To celebrate the successful completion of OMNISCIENTIS and share these results, we organize a conference on 23/09/2014 in Brussels (Belgium). In 8 presentations, project partners and invited keynote speakers will show the OMNISCIENTIS comprehensive solution aimed at mitigating odour nuisances. Conference will be held in French. Simultaneous translation service French-English will be available.

AGENDA

| | | |
|---------------|---------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| 9:00 - 9:30 | Welcoming and registration | |
| 9:30 - 9:40 | Opening : Welcome, practical organization and presentation of the objectives of the project | Philippe LEDENT, <i>SPACEBEL</i> |
| 9:40 - 10:00 | Citizens Observatories for monitoring the Environment – the view of the European Commission | José Miguel RUBIO-IGLESIAS, <i>DG RTD</i> |
| 10:00 - 10:30 | Odour Measurement Networks: Electronic Noses and Emission Data | Anne-Claude ROMAIN, <i>University of Liège</i> |
| 10:30 - 11:10 | Near Real Time Odour Dispersion Modelling | Giovanna GROSSO, <i>University of Graz</i> Wolfgang KUNZ, <i>KTT-iMA Sarl</i> |
| 11:10 - 11:30 | COFFEE BREAK | |
| 11:30 - 11:55 | Citizens Involvement for Odour Monitoring: Lessons Learned from a Living Lab Approach | Sandrine REITER, <i>PUBLIC RESEARCH CENTER HENRI TUDOR</i> |
| 11:55 - 12:20 | OdoMis and OdoMap: an information system integrating and sharing data | Yannick ARNAUD, <i>SPACEBEL</i> |
| 12:20 - 12:45 | Pilot at Burgo : serving aggregated results and validating the process | Virginie HUTSEMEKERS, <i>ODOMETRIC</i> |
| 12:45 - 13:00 | Conclusions and perspectives | Philippe LEDENT, <i>SPACEBEL</i> |
| 13:00 - 14:00 | LUNCH | |

VENUE

At the Hotel Marivaux Brussels, Auditorium Federico Fellini.

Location and how to get there:
<http://www.hotelmarivaux.com/en/location>



INFO AND REGISTRATION

Do you have any question or need additional information? Please contact:
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www.omniscientis.eu



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