



mnscientis

Odour Monitoring and Information System based on Citizen and Technology Innovative Sensors

# CONFERENCE

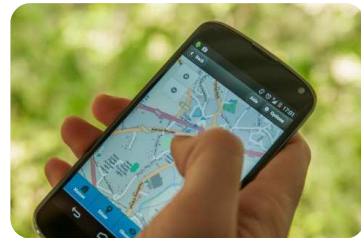
## Citizens Involvement and Technology at the Service of Odour Monitoring

September 23<sup>rd</sup>, 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.

## 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 Panelists	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, 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

**Free admission. Mandatory registration before 9<sup>th</sup> September at**

<http://www.omniscientis.eu/newParticipant.php>

Do you have any question or need additional information? Please contact:  
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**[www.omniscientis.eu](http://www.omniscientis.eu)**



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