



## Workshop MACPoll, 19<sup>th</sup> November @ JRC Ispra

(Amphitheatre or Room 2, tbc)

*The overall goal of the MACPoll project is to improve the traceability and comparability of measurement results in current air monitoring techniques and to set-up the metrological bases for sensor technology used in air quality applications.*

*The workshop on 19th November, hosted at the JRC in Ispra, will be dealing with three work areas of the MACPoll project: sensors, zero gas and dilution methods.*

### Draft agenda:

09:00 Welcome & Introduction: The MACPoll project –A. Borowiak/M. Gerboles/J. Walden

Micro-Sensors & Air Pollution – (WP 4 of MACPoll)

*Chair: Michele Penza. Rapporteur: Jan Theunis*

09:15 *EuNetAir* – Michele Penza, ENEA, IT

09:35 *Sensor principles and sensor system performance* – Andreas Schuetze, Saarland University, DE

10:05 *On the use of Sensors* – Jan Theunis (VITO)

**10:35 COFFEE BREAK**

11:00 *The graphene sensor* – Serguei Novikov, University of Aalto, FI

11:30 *Calibration of Small Resistive Commercial Sensors to measure O<sub>3</sub>*, Manuel Aleixandre, CSIC, ES

11:45 *O<sub>3</sub> and NO<sub>2</sub> sensor validation* – Laurent Spinelle, JRC, EC

12:15 *Summary and discussion* – Michele Penza, Jan Theunis, Michel Gerboles

**12:45 LUNCH BREAK**



JOINT RESEARCH CENTRE

Institute for Environment and Sustainability (IES)



Calibration and Zero Gases for the measurement of reactive air pollutants – (WP 1/2 of MACPoll)

13:45 *Characterisation and practical use of a portable generator for NO<sub>2</sub>* , Céline Pascale, METAS, CH

14:05 *Results of the comparison exercise of NO, NO<sub>2</sub> and SO<sub>2</sub> at LVs* -Tatiana Macé, LNE, FR

14:25 *Testing of chemiluminescence analysers against the EN14211* -Marta Doval Minarro, NPL, UK

14:45 *Validation of zero air generators and filters*– Stefan Persijn, VSL, NL

Training & Coffee

15:05 Visit of laboratory/ Live demonstration of the portable NO<sub>2</sub> generator /Demonstration of sensors

16:30 End of MACPoll day, bus to airport/hotel



**How to register:**

Enter your registration details **before 10<sup>th</sup> November** at the following page:

<https://jrc-meeting-registration.jrc.ec.europa.eu/Ispra/November2013/MACPOLLWORKSHOP/tabid/3467/Default.aspx>

Official workshop language: The official language will be English.

The number of participants is limited to 40.

Venue: The workshop will take place at the Institute for Environment and Sustainability, Air & Climate Unit of the JRC Ispra (Via Enrico Fermi 2749, 21027 Ispra (VA), Italy).

Meal: A working lunch will be provided by the organisers on the day of the workshop.

Accommodation: Rooms will be booked in a hotel nearby for the accommodation of workshop's participants. Hotel fees will be at participants charge. Please insert accommodation choice in the registration page.

Transportation: Transportation to and from the Malpensa and Linate airports will be arranged by the organisers of the workshop, as well as from/to the hotel during the meeting day, if requested in the registration page.

**TRAVEL BY PLANE:** The main and nearest airport is Milan Malpensa International Airport. The airport is about 30-35 minutes drive from the Venue place. Another rather close airport is Milan Linate (83 Km).

**TRAVEL BY TRAIN:** The Province of Varese is served by both the State Railways and the Ferrovie Nord Milano railway. From Malpensa Intercontinental Airport (Terminal 1, underground floor), the Malpensa Express train connects the center of Milan (Cadorna station) with trains travelling every 30 minutes in both directions. A shuttle bus leaves every 20 minutes from Malpensa to the central Milano train station (Milano Centrale)

For further questions regarding logistics please contact JRC's Mrs Elisa Battistoni (0039 0332 785185)

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