

# European Network on New Sensing Technologies for Air Pollution Control and Environmental Sustainability - *EuNetAir*

## COST Action TD1105

### 4<sup>th</sup> International Workshop *EuNetAir* on

### *Innovations and Challenges for Air Quality Control Sensors*

organized by Materials Center Leoben Forschung GmbH  
hosted at FFG - Austrian Research Promotion Agency - AT COST Association  
Vienna, Austria, 25 - 26 February 2016

Action Start date: 01/07/2012 - Action End date: 15/11/2016 - Year 4: 2015-16 (*Extended Action*)

## *Welcome Address*

 **COST**  
EUROPEAN COOPERATION IN SCIENCE AND TECHNOLOGY



**Michele Penza**

Function in the Action: Action Chair

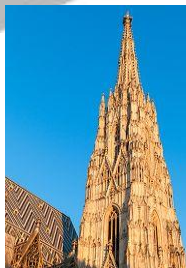
ENEA - Brindisi, Italy



# FOURTH INTERNATIONAL ACTION WORKSHOP on *Innovations and Challenges for Air Quality Control Sensors*

**Vienna (Austria), 25 - 26 February 2016**

hosted at FFG - Austrian Research Promotion Agency - AT COST Association  
Sensengasse 1, 1090 Vienna, Austria



## AGENDA

### 25 February 2016 - Thursday

09:00 - 18:00	<b>REGISTRATION</b>
09:30 - 10:00	Welcome Address
10:00 - 11:00	Session 1: Plenary Session
11:00 - 11:30	Coffee Break
11:30 - 13:00	Session 2: Oral Presentations
13:00 - 14:30	Lunch
14:30 - 16:00	Session 3: Oral Presentations
16:00 - 16:30	Coffee Break
16:30 - 18:00	Session 4: Oral Presentations
20:00 - 23:00	Social Dinner

### 26 February 2016 - Friday

09:00 - 16:00	<b>REGISTRATION</b>
09:00 - 11:00	Session 5: Oral Presentations
11:00 - 11:30	Coffee Break
11:30 - 13:00	Session 6: Oral Presentations
13:00 - 14:30	Lunch
14:30 - 15:30	Session 7: Poster Presentations
15:30 - 17:00	Session 8: Keynote Presentations
17:00	Closure of Meeting



**FFG**

Austrian  
Research Promotion Agency



COST is supported  
by the EU Framework Programme



# COST Action TD1105 *EuNetAir*: 4<sup>th</sup> Workshop

## *Innovations and Challenges for Air Quality Control Sensors*

- Welcome Address from COST Action TD1105 EuNetAir**

Dr. Michele Penza, Action Chair

ENEA, Department for Sustainability

Head of Lab Functional Materials & Technologies for Sustainable Applications

Brindisi (Italy)



# COST Action TD1105 *EuNetAir*: Workshops

## 4<sup>th</sup> Workshop: Innovations and Challenges for Air Quality Control Sensors



3° Workshop EuNetAir  
Riga, 26-27 March 2015



4° Workshop EuNetAir  
Vienna, 25-26 February 2016



1° Workshop EuNetAir  
Barcelona, 20 June 2013



The 17th International Conference  
on Solid-State Sensors,  
Actuators and Microsystems



2° Workshop EuNetAir  
Brindisi, 25-26 March 2014



# AIM of *EuNetAir* Workshop at Vienna

## *Innovations and Challenges for Air Quality Control Sensors*

- **Provide** from Action TD1105 *EuNetAir* an Overview of the *Best Available Sensing Technologies, Methods and Best Practices on **Clean Air for Smart Cities in Europe*** to International Organizations (IOs), Policy Makers and Public Institutions, Local Managers.
- **Discuss and Consolidate** on *Future Plans* of the COST Action TD1105 to address **HORIZON 2020** proposals



# COST Action TD1105 *EuNetAir*: 4<sup>th</sup> Workshop at Vienna

## Statistics of the Action Workshop at Vienna:

**e-COST Registered Participants / Total Participants:**

**43 / 50**

**Sessions including Plenary, Oral & Poster:**

**8**

**Keynote/Invited Speakers:**

**8**

**Contributed Speakers:**

**19**

**Poster Presenters:**

**11**

**COST Countries involved in Workshop:**

*Austria, Belgium, Bulgaria, Croatia, Czech Republic, Estonia, France, Germany, Greece, Italy, Norway, Poland, Portugal, Serbia, Spain, Switzerland, Turkey, UK and Russia (Near Neighbour Country)*

**19**

**Gender Balance in WGs Meeting:**

**13 F (30%)  
30 M (70%)**

**Early Stage Researchers (ESRs):**

**11 (26%)**

# URBANISATION AS GLOBAL CHALLENGE:

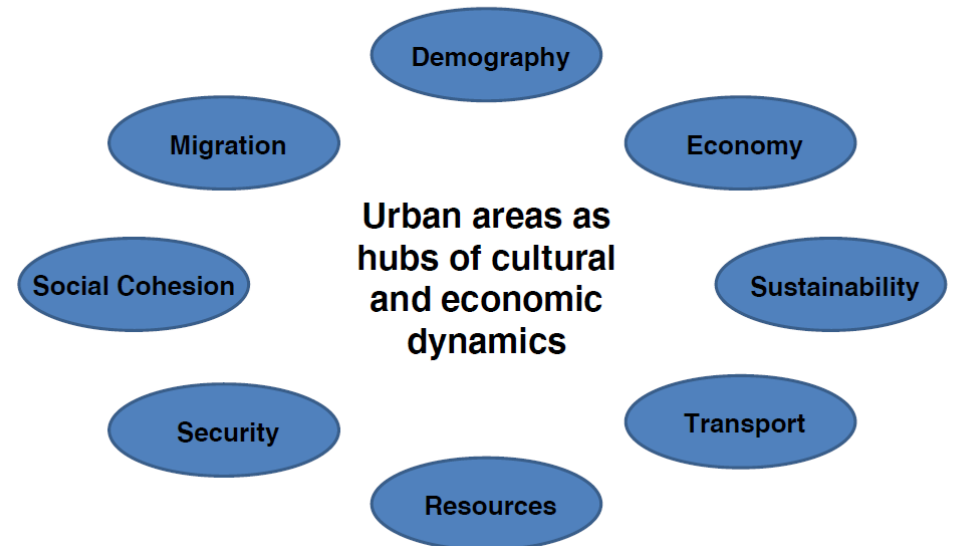
## URBAN EUROPE - Joint Programming Initiative



## Green New Deal IT Green-Economy Report ENEA and Sustainable Development Foundation



### Urban Challenges



## URBAN EUROPE - Joint Programming Initia

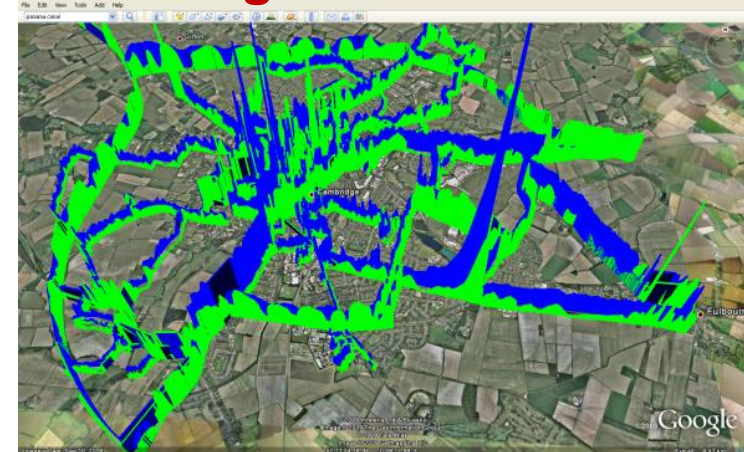
# Sensor Applications:

## Environmental Sensors Network for Smart Cities

### □ EUROPE:

- London Heathrow Airport, UK
- Cambridge, UK
- Zurich, Lausanne, Switzerland
- Vigo and La Coruna, Spain
- Antwerp, Belgium
- Copenhagen, Denmark
- Oslo, Norway
- Porto, Portugal
- Bari, Italy
- Others

### Cambridge Sensor Network



### □ ASIA:

- Dubai, Arabian Emirates
- Shanghai, Cina

### □ USA:

- NYC
- Los Angeles



# OUTREACH ACTIVITIES from Action TD1105

**COST Action TD1105 - EuNetAir**

European Network on New Sensing Technologies for Air-Pollution Control and Environmental Sustainability - EuNetAir

Action website:

[www.cost.eunetair.it](http://www.cost.eunetair.it)

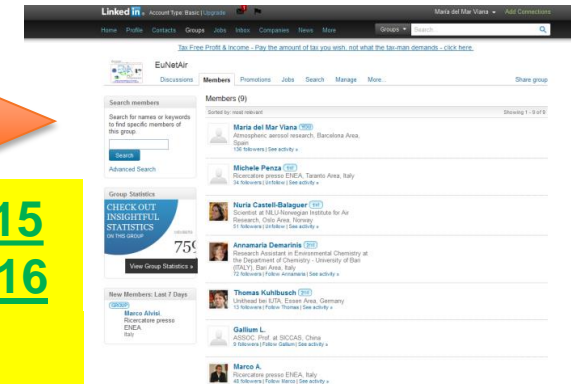
hosted by ENEA

**Dr. Marco Alvisi, Webmaster Coordinator**

**Sebastiano Dipinto, Valerio Pfister, Gianfranco Zingarelli, Webmaster Team**

**Social Scientific ESRs Network (SSEN) by LinkedIn**

**Members: >80 - Moderators: M. Viana, M. Minguillon**



**4° CALL for Short Exchange Visits launched on September 2015**  
**Short Term Scientific Mission: 9 TO BE FUNDED by 15 Nov. 2016**

**Dr. Jan Theunis, STSM Coordinator EuNetAir**



**EuNetAir Newsletter**

COST Action TD1105 Iss. 1/Dec 2012

**Opening Editorial**

- Issue 1:** published on Dec. 2012 ✓
- Issue 2:** published on June 2013 ✓
- Issue 3:** published on Dec. 2013 ✓
- Issue 4:** published on June 2014 ✓
- Issue 5:** published on Dec. 2014 ✓
- Issue 6:** published on June 2015 ✓
- Issue 7:** published on Dec. 2015 ✓

**Prof. Ralf Moos, Editor-in-Chief**

**Dr. Daniela Schonauer-Kamin, Editorial Board Manager**

# Contact Details



**CSO Approval:** 01 Dec. 2011  
**Kick-off Meeting:** 16 May 2012  
**Start of Grant:** 01 July 2012  
**End of Grant:** 15 Nov. 2016

[www.cost.eunetair.it](http://www.cost.eunetair.it)

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[http://www.cost.eu/domains\\_actions/essem/Actions/TD1105](http://www.cost.eu/domains_actions/essem/Actions/TD1105)

**Top Story**   
▶ all stories

***TD1105 selected as Top-Story  
by COST Association***



**Taking charge of air quality control in Europe's smart, green cities**



A COST funded network of European spin-offs, SMEs, agencies, research centres and universities is working on developing cheaper and energy efficient sensors for air quality control in Europe's future smart cities.

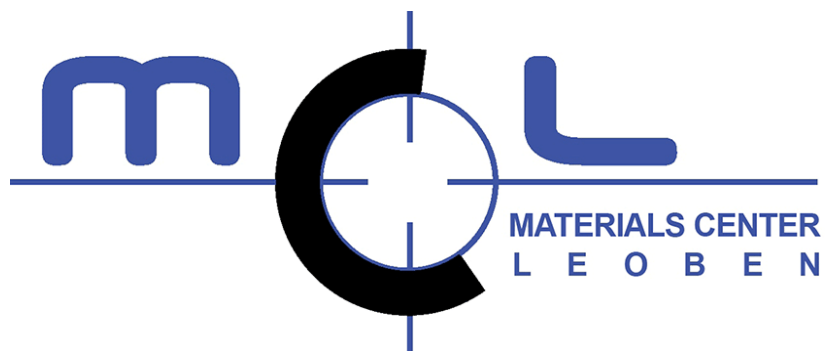
▶ full story

# ACKNOWLEDGEMENTS

Vienna, Austria, 25 - 26 February 2016



THANK YOU VERY MUCH FOR YOUR KIND ATTENTION !



FFG

Austrian  
Research Promotion Agency

