

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

COST Action TD1105

THIRD SCIENTIFIC MEETING

**Working Groups and Management Committee on
New Sensing Technologies for Indoor Air-Pollution Monitoring
organized by GEBZE and Bahcesehir University**

Bahcesehir University, Besiktas Campus, Istanbul, 3-5 December 2014

CONCLUSIONS

Action Start date: 01/07/2012 - Action End date: 30/06/2016 Year 3: 1 July 2014 - 30 June 2015

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EUROPEAN COOPERATION IN SCIENCE AND TECHNOLOGY



Michele Penza

Function in the Action: Action Chair

ENEA - Brindisi, Italy



THIRD SCIENTIFIC MEETING: WGs and MC - ISTANBUL

hosted by Bahcesehir University, Besiktas Campus



Meeting AGENDA

3 Dec. 2014 - Wednesday	
08:30 - 18:00	REGISTRATION
09:00 - 09:30	WELCOME SESSION
09:30 - 11:00	PLENARY SESSION 1: Indoor Environment Quality Applications
11:00 - 11:30	<i>Coffee-Break</i>
11:30 - 13:00	PLENARY SESSION 2: Indoor Environment Quality Applications
13:00 - 14:30	<i>Lunch</i>
14:30 - 16:30	WG1-WG2 Meeting WG3-WG4 Meeting
16:30 - 17:00	<i>Coffee-Break</i>
17:00 - 18:30	WG1-WG2 Meeting WG3-WG4 Meeting
18:30	<i>Gathering of Day</i>
20:30 - 23:00	<i>Social Dinner</i>
4 Dec. 2014 - Thursday	
09:00 - 18:00	REGISTRATION
09:00 - 09:30	Wrap-Up and Inputs from Action TD1105
09:30 - 10:30	KEYNOTE SESSION
11:00 - 11:30	<i>Coffee-Break</i>
10:30 - 13:00	SIG SESSIONs: SIG1-SIG4 Meeting
13:00 - 14:30	<i>Lunch</i>
14:30 - 15:30	POSTER SESSION
15:30 - 16:30	Indoor Environment Quality Cluster GENERAL ASSEMBLY
16:30 - 17:00	<i>Coffee-Break</i>
17:00 - 18:30	Action WGs/SIGs GENERAL ASSEMBLY
18:30	CONCLUSIONS
20:30	<i>Free Dinner</i>
5 Dec. 2014 - Friday	
09:30 - 13:00	6th MANAGEMENT COMMITTEE MEETING
13:00 - 14:00	<i>Lunch</i>
14:30	Meeting Closing

COST Action TD1105 *EuNetAir*: THIRD SCIENTIFIC MEETING

New Sensing Technologies for Indoor Air-Pollution Monitoring

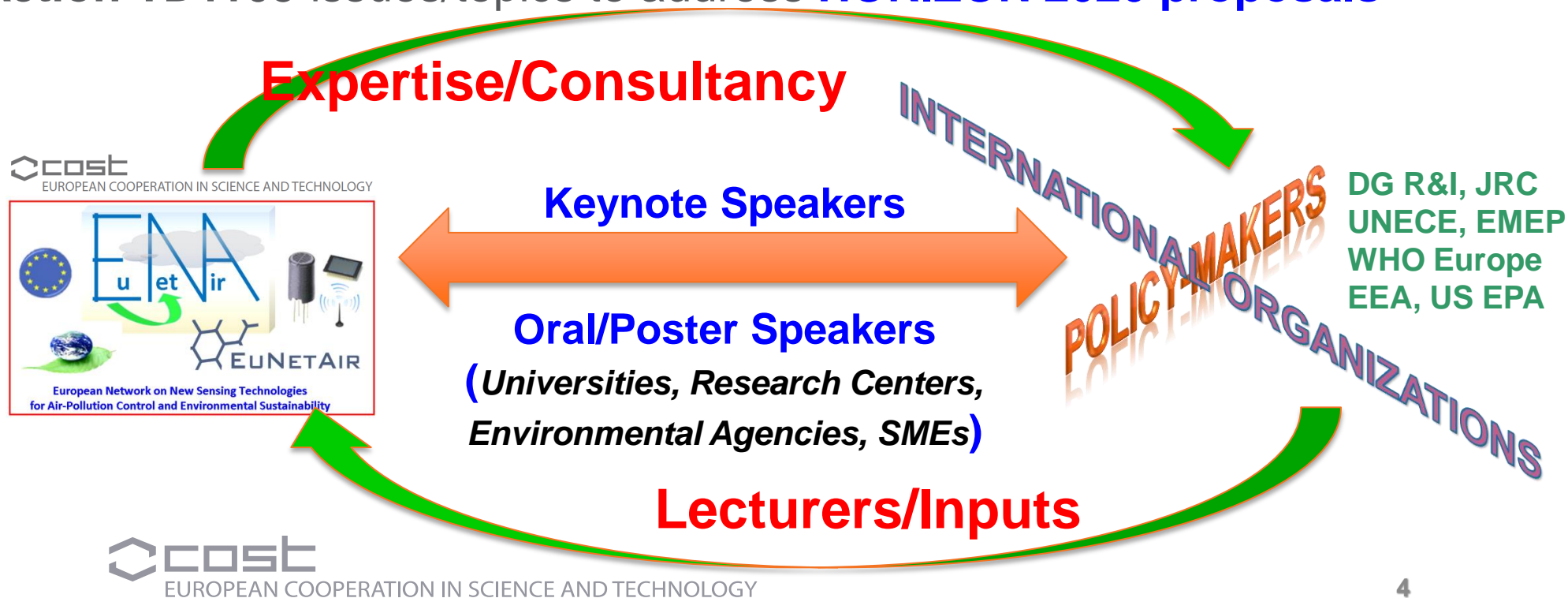
- **Welcome Address from COST Action TD1105 EuNetAir**
- Dr. Michele Penza, Action Chair
ENEA, Technical Unit for Materials Technologies, Brindisi (Italy)



AIM of the *EuNetAir* THIRD SCIENTIFIC MEETING

New Sensing Technologies for Indoor Air-Pollution Monitoring

- **Provide** from Action TD1105 *EuNetAir* an Overview of the *Best Available Sensing Technologies, Methods and Best Practices on Indoor Air-Pollution Monitoring* to International Organizations (IOs), Policy Makers and Public Institutions, Local Managers.
- **Discuss** on building/ongoing *European CLUSTERS* related to COST Action TD1105 issues/topics to address **HORIZON 2020** proposals



COST Action TD1105 *EuNetAir*: THIRD SCIENTIFIC MEETING

New Sensing Technologies for Indoor Air-Pollution Monitoring

Statistics of Action Meeting at Istanbul:

e-COST Registered Participants / Total Participants:	64 / 70
Sessions including Plenary, Oral & Poster:	11
Keynote/Invited Speakers:	22
Oral Speakers (Contributed Talks):	23
Poster Presenters:	19
Round-Table Speakers:	4
Reimbursed Participants:	50
COST Countries involved in WGs/MC Meeting: <i>Belgium, Bulgaria, Croatia, Czech Republic, Denmark, France, Germany, Greece, Finland, Italy, Latvia, Macedonia, Norway, Poland, Portugal, Serbia, Spain, Sweden, Switzerland, Turkey, UK</i>	21
International Partner Countries: USA	1
Gender Balance in WGs Meeting:	20 F (31%) 44 M (69%)
Early Stage Researchers (ESRs):	22 (34%)

Year 3: Scientific Planning of *EuNetAir* (1/2)

Meetings/Workshops/Training Schools planned for upcoming year
([Year 3: 1 July 2014 - 30 June 2015](#)):

- **WG1-WG4 Meeting** on *New Sensing Technologies for Air-Pollution Monitoring and Start of the Air Quality Joint-Exercise Intercomparison* at IDAD - University of Aveiro, Aveiro (**Portugal**), 13 - 15 Oct. 2014.
- The **3rd International Workshop of the COST Action TD1105** on *New Trends and Challenges on Air Quality Control* at University of Latvia, Riga (**Latvia**), 26 - 27 March 2015.
- The **Action 3rd International Training School** on *Atmospheric Aerosol Physics, Measurements and Sampling* at Hyytiala Station of the University of Helsinki, Helsinki (**Finland**), 2 - 8 May 2015.

Year 3: Scientific Planning of *EuNetAir* (2/2)

MC/WG Meetings planned for the upcoming year

([Year 3: 1 July 2014 - 30 June 2015](#)):

- **3rd SCIENTIFIC MEETING: WGs Meeting and 6th MC Meeting on Indoor Air Quality Monitoring** at Bahcesehir University and GEBZE Institute of Technology, Istanbul (**Turkey**), 3 - 5 Dec. 2014.
- **4th SCIENTIFIC MEETING: WGs Meeting and 7th MC Meeting on Outdoor Air Quality Monitoring** at Linkoping University, Linkoping (**Sweden**), 3 - 5 June 2015.
- **Special Session EuNetAir / Core-Group Meeting** to **EUROSENSORS 2014**, Brescia (**Italy**), 7 - 10 September 2014.
- **Special Session EuNetAir / Smart Cities Sensors** to **IEEE SENSORS 2014**, Valencia (**Spain**), 2 - 5 November 2014.

Indoor Air Quality Sensor Applications

- Indoor Air Quality Sensors
- Indoor Sensor Applications
- Indoor Air Quality Methods
- Indoor Best Practices
- Indoor Standards & Protocols
- Indoor/Outdoor Connections
- Related *European Clusters*



Sensors Sub-Cluster: *Roadmap 2015-2020*

- **Micro-Sensors should not substitute but supplement routine environmental monitoring equipments/devices**
- **Future Routine Environmental Networks** may look very different from today and **include low-cost and accurate Sensors ?**
- **Green Routes through the city** or access to information about **air-pollution load** at specific local address **might be future goals**
- **Pervasive low-cost Micro-Sensors for Indoor Energy Efficiency should be a must for future Green-Buildings**
- What do we want to provide (e.g. **AQI**) on the long-term in relation to **Routine Monitoring** and **Public Information to enhance Environmental Awareness ?**

Sensors Sub-Cluster: *Future Research & Innovation*

- **Advanced Functional Materials for Sensor Technologies**
- **Wearable Sensors to Monitor Air-Pollution Personal Exposure**
- **Mobile Sensing (Smartphones, Tablets, Watches)**
- **Fixed Sensor Nodes in Urban Wireless Networks**
- **Mobile Sensor Nodes on Public Transports (Buses, Trams, etc.)**
- ***Sensing City* (bikes, city guardians, citizens, etc.)**
- **Indoor Energy Efficiency Sensors (VOCs, Formaldehyde, etc)**
- **Sensors for Greenhouse Gases Monitoring (CO₂, CH₄, N₂O, etc.)**
- **Sensors for Odour Monitoring**
- **Sensors for PM Detection at Low-Cost**

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

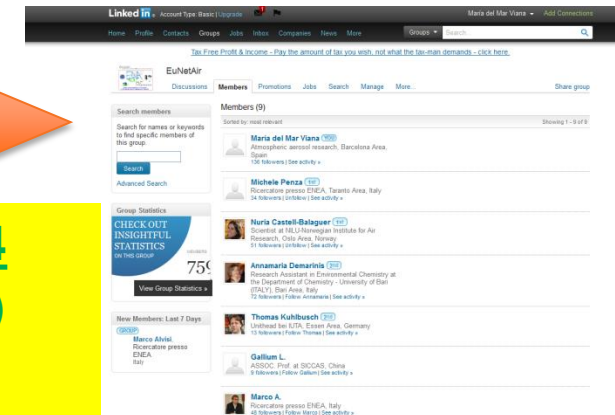
hosted by ENEA

Dr. Marco Alvisi, Webmaster Coordinator

Sebastiano Dipinto, Valerio Pfister, Gianfranco Zingarelli, Webmaster Team

Social Scientific ESRs Network (SSEN) by LinkedIn

Moderator(s): Mar Viana, Mariacruz Minguillon



3^o CALL for Short Exchange Visits launched on June 2014
(STSM - Short Term Scientific Mission - by 30 June 2015)

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 ✓

Prof. Ralf Moos, Editor-in-Chief

Dr. Daniela Schonauer-Kamin, Editorial Board Manager

Contact Details

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EUROPEAN COOPERATION IN SCIENCE AND TECHNOLOGY



CSO Approval: 01 Dec. 2011

Kick-off Meeting: 16 May 2012

Start of Grant: 01 July 2012

End of Grant: 30 June 2016

www.cost.eunetair.it

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http://www.cost.eu/domains_actions/essem/Actions/TD1105

ACKNOWLEDGEMENTS

Istanbul, Turkey, 3 - 5 December 2014



THANK YOU VERY MUCH FOR YOUR KIND ATTENTION !

