



cost
EUROPEAN COOPERATION IN SCIENCE AND TECHNOLOGY



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COST Action TD1105

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

FIRST SCIENTIFIC MEETING

**Working Groups and Management Committee
Rome, 4 - 6 December 2012**

ENEA Headquarters, Lungotevere Thaon de Revel, 76, Rome, Italy

GENERAL PROGRAMME

| COST Action TD1105 Meeting AGENDA | | | | |
|--|--|---------------------|---------------------|---------------------|
| 4 Dec. 2012 - Tuesday | | | | |
| 14:00 - 19:00 | REGISTRATION | | | |
| 15:00 - 19:30 | COST Action PLENARY SESSION | | | |
| 17:00 - 17:30 | <i>Coffee-Break</i> | | | |
| 5 Dec. 2012 - Wednesday | | | | |
| 09:00 - 19:00 | REGISTRATION | | | |
| 08.45 - 09.00 | Introduction and Adoption of the AGENDA | | | |
| 09:00 - 11:00 | WG1 Meeting | WG2 Meeting | WG3 Meeting | WG4 Meeting |
| 11:00 - 11:30 | <i>Coffee-Break</i> | | | |
| 11:30 - 13:00 | Action WGs GENERAL ASSEMBLY | | | |
| 13:00 - 14:30 | <i>Lunch</i> | | | |
| 14.30 - 16.30 | SIG1 Meeting | SIG2 Meeting | SIG3 Meeting | SIG4 Meeting |
| 16:30 - 17:00 | <i>Coffee-Break</i> | | | |
| 17:00 - 18:30 | Action SIGs GENERAL ASSEMBLY | | | |
| 18:30 - 20:00 | Action TD1105 Round-Table DISCUSSIONS | | | |
| 21:00 | <i>Social Dinner</i> | | | |
| 6 Dec. 2012 - Thursday | | | | |
| 09:00 - 13:00 | MANAGEMENT COMMITTEE MEETING | | | |
| 13:00 - 14:00 | <i>Lunch</i> | | | |
| 14:30 | Meeting Closing | | | |



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Tuesday, 4 December 2012

COST Action TD1105 PLENARY SESSION

Central Hall

14:00 - 19:00

Registration

15:00 - 17:00

EU Research Policy and International Overview on Air Quality Monitoring

Chairman: Michele Penza, Action Chair - ENEA, Italy

15:00 - 15:10

Welcome Address

Giovanni Lelli, ENEA Commissioner

15:10 - 15:15

Introductory Technical Address

Leander Tapfer, Head of Technical Unit for Materials Technologies-Brindisi Research Center, ENEA

15:15 - 15:30

COST Action TD1105: European Network on New Sensing Technologies for Air-Pollution

Control and Environmental Sustainability

Michele Penza, Action Chair, ENEA, Italy

15:30 - 16:00

EU Research Policy towards Horizon 2020

Valerio Abbadessa, Brussels ENEA Liason Office

16:00 - 16:30

Low-cost Gas Sensors for Air Quality Control: Overview in Europe and New Trends

Michel Gerboles, JRC, Institute for Environment and Sustainability, Ispra, Italy

16:30 - 17:00

Nanosensors for Air Quality Monitoring in USA

Meyya Meyyappan, NASA Ames Research, Moffett Field, California, USA

17:00 - 17:30

Coffee Break

17:30 - 18:10

FP7 Projects on Air Quality Monitoring Technologies

Chairman: Anita Lloyd Spetz, Action Vice-Chair - University of Linkoping, Sweden

17:30 - 17:50

FP7 Project EURUSSIA S3 (NMP 2009-12): Surface ionization and novel concepts in nano-MOX gas sensors with increased Selectivity, Sensitivity and Stability for detection of low concentrations of toxic and explosive agents

Dario Zappa, EURUSSIA S3 Coordination Staff, University of Brescia, Italy

17:50 - 18:10

FP7 Project AirMonTech (ENV 2010-13): Air Quality Monitoring Technologies for Urban Areas

Thomas Kuhlbusch, AirMontech Coordinator, Institute of Energy and Environmental Technologies (IUTA eV), Duisburg, Germany

18:10 - 18:50

Health Effects of Air Pollution in Europe

Chairman: Ole Hertel, Action WG3 Chair - Aarhus University, Denmark

18:10 - 18:30

WHO activities to abate health impacts of air pollution in the European Region

Hans-Guido Mucke, WHO Collaborating Centre for Air Quality Management and Air Pollution Control - Federal Environment Agency, Berlin, Germany

18:30 - 18:50

Assessment of the health impact of the industrial emissions in the environmental management of the "Taranto case"

Giorgio Assennato, President AssoARPA and Director of Environmental Protection Regional Agency (ARPA-Puglia), Bari, Italy

18:50 - 19:30

Applications of Environmental Sustainability in Europe

Chairman: Ingrid Bryntse, Action WG4 Chair - SenseAir SA, Delsbo, Sweden

18:50 - 19:10

COST Action ES1004: European Framework for Online Integrated Air Quality and Meteorology Modelling

Peter Suppan, Action ES1004 WG1 Leader, Karlsruhe Institute of Technology, Garmisch-Partenkirchen, Germany

19:10 - 19:30

Networked Low-cost Sensors for Environmental Monitoring in Cities

Rod Jones, University of Cambridge, Centre for Atmospheric Science, UK

19:30

Closure of Plenary Session



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Wednesday, 5 December 2012

Action TD1105 Working Groups and Special Interest Groups Meetings

Central Hall

09:00 - 19:00 **Registration**

Introduction and Adoption of the AGENDA for WGs and SIGs Meetings

08:45 - 09:00 **Wrap Up** - Michele Penza, Action Chair, ENEA, Italy

Parallel Session of WG1. Location: External Room (15 seats)

09:00 - 11:00 **WG1: Sensor Materials and Nanotechnology**

Chairman: Jyrki Lappalainen, Action WG1 Vice-Chair - Oulu University, Oulu, Finland

Specific Presentations from WG1

09:00 - 09:10 **Mixed metal-oxides layers for AQC gas sensors**

Jyrki Lappalainen, Action WG1 Vice-Chair, Oulu University, Oulu, Finland

09:10 - 09:20 **Metal oxides nanostructures for AQC gas sensors**

George Kiriakidis, Action Sub-WG1.1 Leader, FORTH, Crete, Greece

09:20 - 09:30 **Carbon nanomaterials for AQC gas sensors**

Eduard Llobet, Action Sub-WG1.2 Leader, Universitat Roviri I Virgili, Tarragona, Spain

09:30 - 09:40 **Emerging sensor materials (organic/inorganic, hybrid, nanocomposites, polymers, functional, etc.) for air-pollution detection**

Marcel Bouvet, Action Sub-WG1.3 Leader, Université de Bourgogne, Dijon, France

Partner Presentations from WG1

09:40 - 09:45 *Monika Kwoka, Silesian University of Technology, Gliwice, Poland*

09:45 - 09:50 *Ivan Nedkov, Bulgarian Academy of Sciences, Sofia, Bulgaria*

09:50 - 09:55 *Cristina Rusti, IMNR, Pantelimon, Romania*

09:55 - 10:00 *Zafer Ziya Ozturk, Gebze Institute of Technology, Kocaeli, Turkey*

10:00 - 10:05 *Donatella Puglisi, University of Linkoping, Sweden*

10:05 - 10:10 *Amadou Ndiaye, Université Blaise Pascal, LASMEA-CNRS, Aubiere, France*

10:10 - 10:15 *Fatima Ezahra Annanouch, Universitat Roviri I Virgili, Tarragona, Spain*

10:15 - 11:00 **Discussions of WG1: Priorities, R&D needs, Roadmap**

Deliverable: Definition of WG1 Priorities for WGs General Assembly and Action Workplan

Parallel Session of WG2. Location: Council Room (25 seats)

09:00 - 11:00 **WG2: Sensors, Devices and Systems for AQC**

Chairman: Andreas Schuetze, Action WG2 Chair - Saarland University, Saarbrücken, Germany

Specific Presentations from WG2

09:00 - 09:10 **Gas sensors and new transducers**

J. Daniel Prades, University of Barcelona, Spain

09:10 - 09:20 **On mass loading and dissipation measurements in acoustic wave sensors**

Marina Voinova, Chalmers University of Technology, Gothenburg, Sweden

09:20 - 09:30 **Gas sensor-systems for selective pollutant monitoring**

Jerome Brunet, Université Blaise Pascal, LASMEA-CNRS, Aubiere, France

09:30 - 09:40 **Wireless technology and AQC sensors network**

Christos Koulamas, Action Sub-WG2.3 Substitute, ISI-Athena, Patras, Greece

09:40 - 09:50 **Mobile sensing, participatory sensing and sensor networks for air quality monitoring**

Jan Theunis, VITO, Mol, Belgium

Partner Presentations from WG2

09:50 - 09:55 *Radu Adrian Ionica, IPA SA, Craiova, Romania*

09:55 - 10:00 *Jens Eriksson, University of Linkoping, Sweden*

10:00 - 10:05 *Daniela Schonauer-Kamin, University of Bayreuth, Germany*

10:05 - 10:10 *Branko Ster, University of Ljubljana, Slovenia*

10:10 - 11:00 **Discussions of WG2: Priorities, R&D needs, Roadmap**

Deliverable: Definition of WG2 Priorities for WGs General Assembly and Action Workplan



Parallel Session of WG3. Location: Central Hall (108 seats)

| | |
|----------------------|---|
| 09:00 - 11:00 | WG3: Environmental Measurements and Air-Pollution Modelling <i>Chairman: Ole Hertel, Action WG3 Chair - Aarhus University, Roskilde, Denmark</i> Specific Presentations from WG3 |
| 09:00 - 09:10 | Aerosol particle monitoring and characterisation <i>Kaarle Hameri, Action WG3 Vice-Chair, University of Helsinki, Helsinki, Finland</i> |
| 09:10 - 09:20 | Environmental measurements at laboratory and in field air-quality stations <i>Nuria Castell-Balaguer, Action Sub-WG3.1 Leader, NILU - Norwegian Institute for Air Research, Kjeller, Norway</i> |
| 09:20 - 09:30 | Air-quality modelling and chemical weather forecasting <i>Kostas Karatzas, Action Sub-WG3.2 Leader, Aristotle University, Thessaloniki, Greece</i> |
| 09:30 - 09:40 | Harmonisation of environmental measurements <i>Ulrich Quass, Action Sub-WG3.3 Leader, IUTA - Institute of Energy and Environmental Technology, Duisburg, Germany</i> |
| | Partner Presentations from WG3 |
| 09:40 - 09:45 | <i>Krisztina Labancz, Hungarian Meteorological Service, Budapest, Hungary</i> |
| 09:45 - 09:50 | <i>Arngrimur Thorlacius, Agricultural University of Iceland, Iceland</i> |
| 09:50 - 09:55 | <i>Mariacruz Minguillon, CSIC-IDAEA, Barcelona, Spain</i> |
| 09:55 - 10:00 | <i>Ernie Weijers, ECN, Petten, The Netherlands</i> |
| 10:00 - 10:05 | <i>Fabio Galatioto, Newcastle University, Newcastle, UK</i> |
| 10:05 - 11:00 | Discussions of WG3: Priorities, R&D needs, Roadmap <u>Deliverable: Definition of WG3 Priorities for WGs General Assembly and Action Workplan</u> |

Parallel Session of WG4. Location: Technical Committee Room (25 seats)

| | |
|----------------------|---|
| 09:00 - 11:00 | WG4: Protocols and Standardisation Methods <i>Chairman: Ingrid Bryntse, Action WG4 Chair - SenseAir SA, Delsbo, Sweden</i> Specific Presentations from WG4 |
| 09:00 - 09:10 | Development of miniaturized sensor systems for air quality monitoring <i>Nicolas Moser, Action WG4 Vice-Chair, SGX Sensortech Ltd (ex e2V Microsensors), Corcelles, Switzerland</i> |
| 09:10 - 09:20 | Microelectronic sensors for air quality monitoring and security <i>Roberto Simmarano, Sensichips srl, Aprilia (Latina), Italy</i> |
| 09:20 - 09:30 | Protocols, standards and methods for AQC by sensors (no-analyzers) technologies <i>Anne-Claude Romain, Action Sub-WG4.2 Leader, Université de Liège, Arlon, Belgium</i> |
| 09:30 - 09:40 | Benchmarking of new products and market of commercial AQC sensors <i>John Saffell, Action Sub-WG4.3 Leader, Alphasense Ltd, Essex, UK</i> |
| | Partner Presentations from WG4 |
| 09:40 - 09:45 | <i>Magda Brattoli, University of Bari, Italy</i> |
| 09:45 - 09:50 | <i>Liad Ortar, AirBase Systems, Israel</i> |
| 09:50 - 09:55 | <i>Thorsten Conrad, 3S GmbH, Saarbrücken, Germany</i> |
| 09:55 - 10:00 | <i>Dimiter Syrakov, Bulgarian Academy of Sciences, Sofia, Bulgaria</i> |
| 10:00 - 11:00 | Discussions of WG4: Priorities, R&D needs, Roadmap <u>Deliverable: Definition of WG4 Priorities for WGs General Assembly and Action Workplan</u> |

11:00 - 11:30 Coffee-Break



Central Hall

Action WGs GENERAL ASSEMBLY

11:30 - 13:00

Chairman: Michele Penza, Action Chair

Italian National Agency for New Technologies, Energy and Sustainable Economic Development - ENEA, Brindisi, Italy

Specific Presentations from Vice-Chair and WGs Leaders

11:30 - 11:40

Introductory Keynote Current Research on Particle Detection and Gas Sensors for Environmental Monitoring

Anita Lloyd Spetz, Action Vice-Chair, University of Linköping, Sweden and Oulu University, Finland

11:40 - 11:50

Priorities and Roadmap of WG1: Sensor Materials and Nanotechnology

Jyrki Lappalainen, Action WG1 Vice-Chair, Oulu University, Oulu, Finland

11:50 - 12:00

Priorities and Roadmap of WG2: Sensors, Devices and Systems for AQC

Andreas Schuetze, Action WG2 Chair, Saarland University, Saarbrücken, Germany

12:00 - 12:10

Priorities and Roadmap of WG3: Environmental Measurements and Air-Pollution Modelling

Ole Hertel, Action WG3 Chair, Aarhus University, Roskilde, Denmark

12:10 - 12:20

Priorities and Roadmap of WG4: Protocols and Standardisation Methods

Ingrid Bryntse, Action WG4 Chair, SenseAir SA, Delsbo, Sweden

Discussion of Action Participants:

12:20 - 13:00

Comments and Inputs on Priorities, R&D Needs, Strategies, Roadmap for future joint-activities of Action TD1105 EuNetAir

Definition of the Action: Priorities, R&D Needs, Recommendations, Roadmap

13:00 - 14:30

Lunch offered by the Conference Organization

Parallel Session of SIG1. Location: External Room (15 seats)

SIG1: Network of spin-offs

14:30 - 16:30

Chairman: Marco Alvisi, Action SIG1 Leader

Italian National Agency for New Technologies, Energy and Sustainable Economic Development - ENEA, Brindisi, Italy

Specific Presentations from SIG1

14:30 - 14:40

Definition of the objectives, activities, deliverables and strategies for SIG1

Marco Alvisi, Action SIG1 Leader, ENEA, Brindisi, Italy

14:40 - 14:50

CMOS-based gas sensors

Florin Udrea, Action SIG1 Deputy, Cambridge CMOS Sensors Ltd, Cambridge, UK

14:50 - 15:00

Cooperative instruments for EU spin-offs and innovative SMEs: Enterprise Europe Network (EEN) and Bridg€conomies

Ludovica Gerardi, EEN - Mondimpresa, Rome, Italy

15:00 - 15:45

Partner Presentations from SIG1

Nicolas Moser, SGX-Sensortech Ltd (ex- e2v microsensors), Corcelles, Switzerland

Roberto Simmarano, Sensichips srl, Aprilia (Latina), Italy

Anne-Claude Romain, representing Odometric SA, Arlon, Belgium

Marco Brini, EnvEve SA, Bioggio, Switzerland

Thorsten Conrad, 3S GmbH, Saarbrücken, Germany

Pierluigi Barbieri, ARCO-Solutions srl, Trieste, Italy

Lucrezia De Gennaro, Lenviros srl, Bari, Italy

Amadou Ndiaye, Université Blaise Pascal, LASMEA-CNRS, Aubiere, France

Marcel Ionica, IPA SA, Craiova, Romania

15:45 - 16:30

Discussions of SIG1: Priorities, R&D needs, Roadmap

Deliverable: Definition of SIG1 Priorities for SIGs General Assembly and Action Workplan



Parallel Session of SIG2. Location: Central Hall (108 seats)

| | |
|----------------------|---|
| 14:30 - 16:30 | SIG2: Smart Sensors for Urban Air Monitoring in Cities <i>Chairman: Rod Jones, Action SIG2 Leader</i> <i>University of Cambridge, Centre for Atmospheric Science, Cambridge, UK</i> Specific Presentations from SIG2 |
| 14:30 - 14:40 | Definition of the objectives, activities, deliverables and strategies for SIG2 <i>Rod Jones, Action SIG2 Leader, University of Cambridge, Cambridge, UK</i> |
| 14:40 - 14:50 | Electrochemical sensors for urban air quality monitoring applications <i>John Saffell, Alphasense Ltd, Essex, UK</i> |
| 14:50 - 15:00 | Examples of applications of sensors for urban air quality monitoring in Switzerland <i>Christoph Hueglin, EMPA - Swiss Federal Laboratories for Materials Science and Technology, Duebendorf, Switzerland</i> |
| 15:00 - 15:10 | Examples of applications of sensors for urban air quality monitoring in UK <i>Fabio Galatioto, Newcastle University, Newcastle, UK</i> |
| 15:10 - 15:20 | Examples of Applications of sensors for urban air quality monitoring in Greece <i>Kostas Karatzas, Aristotle University, Thessaloniki, Greece</i> |
| 15:20 - 15:30 | Examples of applications of sensors for urban air quality monitoring in Belgium <i>Jan Theunis, VITO, Mol, Belgium</i> |
| 15:30 - 15:40 | Examples of applications of sensors for urban air quality monitoring in Turkey <i>Zafer Ziya Ozturk, Gebze Institute of Technology, Kocaeli, Turkey</i> |
| 15:40 - 15:50 | Examples of applications of sensors for urban air quality monitoring in Holland <i>Ernie Weijers, ECN, Petten, The Netherlands</i> |
| 15:50 - 16:05 | Partner Presentations from SIG2 |
| 15:50 - 15:55 | <i>Christos Koulamas, ISI-Athena, Patras, Greece</i> |
| 15:55 - 16:00 | <i>Domenico Suriano, ENEA, Brindisi, Italy</i> |
| 16:00 - 16:05 | <i>Branko Šter, University of Ljubljana, Slovenia</i> |
| 16:05 - 16:30 | Discussions of SIG2: Priorities, R&D needs, Roadmap Deliverable: Definition of SIG2 Priorities for SIGs General Assembly and Action Workplan |

Parallel Session of SIG3. Location: Technical Committee Room (25 seats)

| | |
|----------------------|---|
| 14:30 - 16:30 | SIG3: Guidelines for Best Coupling Air Pollutants and Transducer <i>Chairman: Eduard Llobet, Action Sub-WG1.2 Leader, Universitat Roviri I Virgili, Tarragona, Spain</i> Specific Presentations from SIG3 |
| 14:30 - 14:40 | Definition of the objectives, activities, deliverables and strategies for SIG3 <i>Eduard Llobet, Action Sub-WG1.2 Leader, Universitat Roviri I Virgili, Tarragona, Spain</i> |
| 14:40 - 14:50 | FET sensors applications for air quality (SO₂, H₂S, Methanol) monitoring in Sweden <i>Zhafira Darmastuti, University of Linkoping, Sweden</i> |
| 14:50 - 15:00 | Examples of applications of sensor-systems for urban air quality monitoring in France <i>Jerome Brunet, Université Blaise Pascal, LASMEA-CNRS, Aubiere, France</i> |
| 15:00 - 15:10 | Examples of applications of solid-state sensors for urban air quality monitoring in Finland <i>Jyrki Lappalainen, Oulu University, Oulu, Finland</i> |
| 15:10 - 15:20 | Nanosensors applications for urban air-pollutants monitoring in Spain <i>Albert Romano-Rodriguez, University of Barcelona, Spain</i> |
| 15:20 - 15:30 | Graphene-based sensors for urban air-pollutants (NO₂) monitoring in Sweden <i>Jens Eriksson, University of Linkoping, Sweden</i> |
| 15:30 - 15:40 | Examples of applications of sensors for urban air quality monitoring in Romania <i>Radu Adrian Ionica, IPA SA, Craiova, Romania</i> |
| 15:40 - 15:50 | Examples of applications of SCR-catalyst materials for exhaust gas monitoring in Germany <i>Daniela Schonauer-Kamin, University of Bayreuth, Germany</i> |
| 15:50 - 16:00 | Nanostructured metal oxides for detecting traces of VOCs <i>Fatima Ezahra Annanouch, Universitat Roviri I Virgili, Tarragona, Spain</i> |
| 16:00 - 16:30 | Discussions of SIG3: Priorities, R&D needs, Roadmap Deliverable: Definition of SIG3 Priorities for SIGs General Assembly and Action Workplan |



Parallel Session of SIG4. Location: Council Room (25 seats)

14:30 - 16:30 **SIG4:Expert Comments for the Revision of the Air Quality Directive (AQD)**
Chairman: Thomas Kuhlbusch, Action SIG4 Leader
Institute of Energy and Environmental Technologies (IUTA), Germany

Specific Presentations from SIG4

- 14:30 - 14:40** **Definition of the objectives, activities, deliverables and strategies for SIG4**
Thomas Kuhlbusch, Action SIG4 Leader, IUTA, Germany
- 14:40 - 14:50** **Assessing human exposure to air pollution in health assessment studies in Europe**
Ole Hertel, Aarhus University, Roskilde, Denmark
- 14:50 - 15:00** **Examples of guidelines/applications of environmental technologies for the Revision of the AQD in Norway**
Nuria Castell-Balaguer, NILU, Kjeller, Norway
- 15:00 - 15:10** **Examples of guidelines/applications of environmental technologies for the Revision of the AQD in Finland**
Kaarle Hameri, University of Helsinki, Finland
- 15:10 - 15:20** **Examples of guidelines/applications of environmental technologies for the Revision of the AQD in Spain**
Mariacruz Minguillon, CSIC-IDAEA, Barcelona, Spain
- 15:20 - 15:30** **Examples of guidelines/applications of environmental technologies for the Revision of the AQD in Bulgaria**
Dimiter Syrakov, Bulgarian Academy of Sciences, Sofia, Bulgaria
- 15:30 - 15:40** **Examples of guidelines/applications of environmental technologies for the Revision of the AQD in Latvia**
Iveta Steinberga, University of Latvia, Riga, Latvia
- 15:40 - 15:50** **Examples of guidelines/applications of environmental technologies for the Revision of the AQD in Hungary**
Krisztina Labancz, Hungarian Meteorological Service, Budapest, Hungary
- 16:00 - 16:30** **Discussions of SIG4: Priorities, R&D needs, Roadmap**
Deliverable: Definition of SIG4 Priorities for SIGs General Assembly and Action Workplan

16:30 - 17:00 **Coffee-Break**

Central Hall

17:00 - 18:30 **Action SIGs GENERAL ASSEMBLY**
Chairman: Anita Lloyd Spetz, Action Vice-Chair
University of Linköping (Sweden) and Oulu University (Finland)

Specific Presentations from SIGs Leaders

- 17:00 - 17:10** **Priorities and Roadmap of SIG1: Network of Spin-offs**
Marco Alvisi, Action SIG1 Leader, ENEA, Brindisi, Italy
- 17:10 - 17:20** **Priorities and Roadmap of SIG2: Smart Sensors for Urban Air Monitoring in Cities**
Rod Jones, Action SIG2 Leader, University of Cambridge, UK
- 17:20 - 17:30** **Priorities and Roadmap of SIG3: Guidelines for Best Coupling Air Pollutants and Transducer**
Eduard Llobet, Action Sub-WG1.2 Leader, Universitat Roviri I Virgili, Tarragona, Spain
- 17:30 - 17:40** **Priorities and Roadmap of SIG4: Expert Comments for the Revision of the Air Quality Directive (AQD)**
Thomas Kuhlbusch, Action SIG4 Leader, IUTA, Duisburg, Germany
- 17:40 - 18:30** **Discussion of Action Participants:**
Comments and Inputs on Priorities, R&D Needs, Strategies, Roadmap for future joint-activities of Action TD1105 EuNetAir
Definition of the Action: Priorities, R&D Needs, Recommendations, Roadmap



Central Hall

Action TD1105 ROUND-TABLE DISCUSSIONS

18:30 - 20:00

Chairman: Michele Penza, Action Chair

Italian National Agency for New Technologies, Energy and Sustainable Economic Development - ENEA, Brindisi, Italy

Environmental Research for Innovation to support Green-Economy in Europe

18:30 - 18:40

- **Wrap up and Inputs from COST Action TD1105 EuNetAir**

Michele Penza, COST Action TD1105 Chair, ENEA, Brindisi, Italy

- **NANO futures Boosting Innovation: the Industrial and Research Roadmap on Nanotechnology**

18:40 - 18:50

Margherita Cioffi, NANO futures - European Technology Integrating and Innovation Platform, Innovation Consulting, D'Appolonia SpA, Rome, Italy

- **Research Trends in Sensors and Microsystems for Gas Monitoring**

18:50 - 19:00

Corrado Di Natale, President of AISEM - The Italian Association of Sensors and Microsystems, University of Rome Tor Vergata, Rome, Italy

- **EU Research Funding Instruments towards Horizon 2020**

19:00 - 19:10

Matteo Di Rosa, IT NCP ENV, APRE - The Agency for the Promotion of the European Research, Rome, Italy

Discussion of Action Participants:

19:10 - 20:00

Comments and Inputs on Priorities, R&D Needs, Strategies, Roadmap for future joint-activities of Action TD1105 EuNetAir

- **Speeches and Comments from Action WGs/SIGs Leaders and Participants**
- **Free Comments from Action Stakeholders**

21:00

Social Dinner

Thursday, 6 December 2012

Action TD1105 MANAGEMENT COMMITTEE Meeting

Central Hall

Action TD1105 MANAGEMENT COMMITTEE MEETING

09:00 - 13:00

Chairman: Michele Penza, Action Chair

Italian National Agency for New Technologies, Energy and Sustainable Economic Development - ENEA, Brindisi, Italy

- **DISCUSSION** (see MCM AGENDA)

13:00 - 14:30

- **Lunch offered by the Conference Organization**

14:30

- **Meeting Closing**



Draft Agenda
2nd Management Committee Meeting
COST Action TD1105

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

ENEA Headquarters, Lungotevere Thaon de Revel, 76, Rome, Italy

6 December 2012, 9:00 - 14:30

To be completed by the meeting secretary and circulated to the MC, the DC Rapporteur(s) and the COST Office (Science and Administrative Officer)

1. Welcome to participants
2. Adoption of agenda
3. Approval of minutes and matters arising of last meeting
4. Update from the Action Chair
 - a. Status of Action, including participating countries
 - b. Action budget status
 - c. STSM status and new applications
5. Promotion of gender balance and of Early Stage Researchers (ESR)
Update from the Grant Holder
6. Update from the COST Office
7. Update from the DC Rapporteur
8. Annual Progress Conference (preparation and/or feedback from DC)
9. Follow-up of MoU objectives
 - a. Progress report of working groups
10. Scientific planning
 - a. Scientific strategy
 - b. Action Budget Planning
 - c. Long-term planning (including anticipated locations and dates of future activities)
 - d. Dissemination planning (Publications and outreach activities)
11. Requests for new members
12. Non-COST applications to the Actions
13. AOB
14. Location and date of next meeting
15. Summary of MC decisions
16. Closing