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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

WORKING GROUPS MEETING

***New Sensing Technologies and Modelling for Air Pollution Monitoring:
EuNetAir Air Quality Joint-Exercise Intercomparison***

Aveiro (Portugal), 13 - 15 October 2014

Joint-Exercise Kick-off, 13 October 2014: IDAD - Institute of Environment & Development

WG Meeting, 14-15 October 2014: Environment & Planning Department Auditorium

University of Aveiro, Campus Universitário, 3810-193 Aveiro, Portugal

Meeting AGENDA	
13 October 2014 - Monday	<i>(Participation limited to Joint-Exercise Members only)</i>
09:00 - 17:00	REGISTRATION
09:00 - 12:00	Group Meeting: EuNetAir AQ Joint-Exercise Intercomparison
12:00 - 13:00	<i>Lunch</i>
13:00 - 17:00	Installation of Sensors in AQ Mobile Lab in Aveiro City Centre
20:30	<i>Free Dinner</i>
14 October 2014 - Tuesday	<i>(Participation open to WG1-WG4 Members)</i>
09:00 - 18:00	REGISTRATION
09:00 - 09:30	Session 1: Welcome Address
09:30 - 11:00	Session 2: Plenary Session
11:00 - 11:30	<i>Coffee Break</i>
11:30 - 13:00	Session 3: Oral Presentations
13:00 - 14:00	<i>Light Lunch offered by COST Action organization</i>
14:00 - 15:00	Session 4: Poster Presentations
15:00 - 16:30	Session 5: Oral Presentations
16:30 - 17:00	<i>Coffee Break</i>
17:00 - 18:30	Session 6: Oral Presentations
20:30 - 23:00	<i>Social Dinner</i>
15 October 2014 - Wednesday	<i>(Participation open to WG1-WG4 Members)</i>
09:00 - 13:00	REGISTRATION
09:00 - 11:00	Session 7: Oral Presentations
11:00 - 11:30	<i>Coffee-break</i>
11:30 - 13:00	Session 8: Oral Presentations
13:00 - 14:00	<i>Light Lunch offered by COST Action organization</i>
14:00 - 16:00	Session 9: Oral Presentations
16:00 - 16:30	Session 10: Discussion and Future Plans of Action
16:30	End of the WG1-WG4 Meeting and Farewell



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Background and goals

About COST Action TD1105 *EuNetAir*

COST Action TD 1105 *EuNetAir*, a Concerted Action on New Sensing Technologies for Air-Pollution Control and Environmental Sustainability, is a running **Networking** funded in the framework *European Cooperation in the field of Scientific and Technical Research* (COST) during 2012-2016.

The main objective of the Concerted Action is to develop new sensing technologies for Air Quality Control at integrated and multidisciplinary scale by coordinated research on nanomaterials, sensor-systems, air-quality modelling and standardised methods for supporting environmental sustainability with a special focus on Small and Medium Enterprises.

This international Networking, coordinated by ENEA (Italy), includes over 80 big institutions from 28 COST Countries (EU-zone: *Austria, Belgium, Bulgaria, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Israel, Italy, Latvia, The Former Yugoslav Republic of Macedonia, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovenia, Spain, Sweden, Switzerland, Turkey, United Kingdom*) and 7 International Partners Countries (extra-Europe: *Australia, Canada, China, Morocco, Russia, Ukraine, USA*) to create a S&T critical mass in the environmental issues.

About the **WG1-WG4 Meeting at IDAD, Aveiro, Portugal, 13 - 15 October 2014**

The WG1-WG4 Meeting (WGM) will be held on 14-15 October 2014 at IDAD - Institute for Environment and Development, University of Aveiro, Aveiro (Portugal) under chairing of Prof. Carlos Borrego (MC Member). The core-issues of the COST Action TD1105 will be surveyed and presented as current results and scientific and technological breakthrough. WG1-WG4 Meeting will discuss on ***New Sensing Technologies and Models for Air-Pollution Monitoring*** in an interdisciplinary approach aiming to provide **intercomparison sensors-versus-analyzers**, harmonization of the environmental measurements and experimental campaigns, exchange of best practices, quality assurance, quality control, data quality, methods and protocols, development of new sensing technologies, modelling of air pollution, experimental campaigns.

High quality output such as joint-publications of the achieved results of the environmental campaign and discussion of the AQ results to be shared in the Action partnership by future meetings are highly expected. Several teams of the COST Action TD1105 are largely interested and involved by their expression of interest to join on the experimental campaign in Aveiro for Joint-Exercise Intercomparison including the contribution in expertise to the multidisciplinary inter-WGs meeting. At the open **WGs Meeting** of the COST Action TD1105 *EuNetAir*, a strong impact on focus of critical environmental issues would be mutual benefit.

More Information

Dr. Michele Penza

MC Chair/Proposer of COST Action TD1105 EuNetAir

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

Technical Unit for Materials Technologies - Brindisi Research Centre

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Prof. Carlos Borrego

Local Organizing Team Chair

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Dr. Ana Margarida Costa

Local Organizing Team Co-Chair

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WORKING GROUPS MEETING

New Sensing Technologies and Modelling for Air Pollution Monitoring: EuNetAir Air Quality Joint-Exercise Intercomparison

Aveiro (Portugal), 13 - 15 October 2014

**Joint-Exercise Kick-off, 13 October 2014: IDAD - Institute of Environment & Development
WG Meeting, 14-15 October 2014: Environment & Planning Department Auditorium
University of Aveiro, Campus Universitário, 3810-193 Aveiro, Portugal**



Action Meeting Programme Committee

Michele Penza, ENEA, Brindisi, Italy
Carlos Borrego, IDAD, University of Aveiro, Portugal
Ole Hertel, Aarhus University, Denmark
Kaarle Hameri, University of Helsinki, Finland
Nuria Castell, NILU, Kjeller, Norway
Anita Lloyd Spetz, Linköping University, Sweden
Andreas Schuetze, Saarland University, Germany
Ingrid Bryntse, SenseAir AB, Sweden
Juan Ramon Morante, IREC, Spain
Marco Alvisi, ENEA, Italy
Corinna Hahn, Eurice GmbH, Saarbrücken, Germany
Juliane Rossbach, Eurice GmbH, Saarbrücken, Germany
Annamaria Demarinis Loiotile, University of Bari, Italy
Ana Margarida Costa, IDAD, Aveiro, Portugal
Miguel Coutinho, IDAD, Aveiro, Portugal
Joao Ginja, IDAD, Aveiro, Portugal

COST Action TD1105 EuNetAir Steering Committee

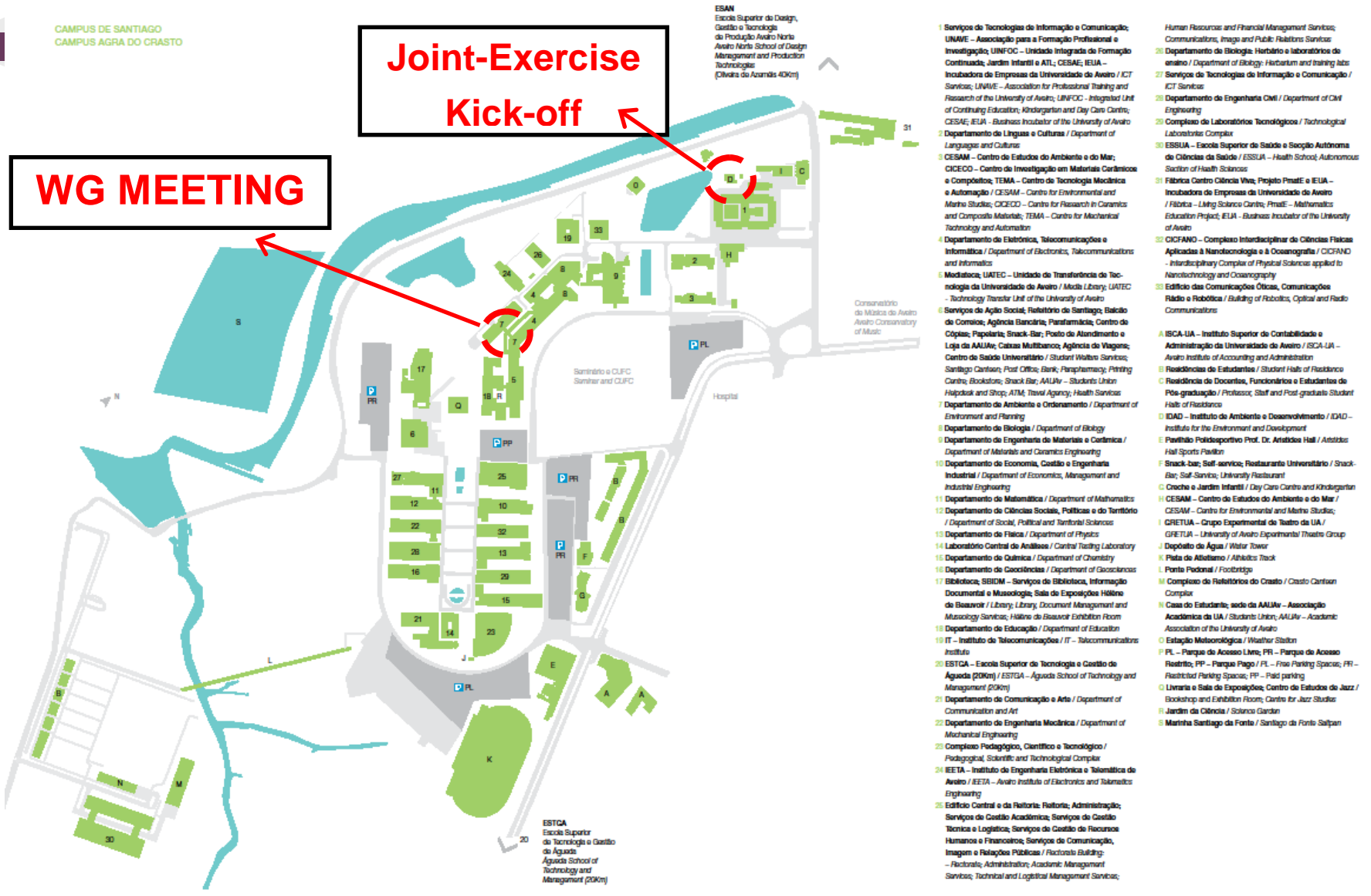
Michele Penza, ENEA, Brindisi, Italy - *Action Chair*
Anita Lloyd Spetz, Linköping University, Sweden - *Action Vice-Chair*
Juan Ramon Morante, IREC, Spain
Andreas Schuetze, Saarland University, Germany
Ole Hertel, Aarhus University, Denmark
Ingrid Bryntse, SenseAir AB, Sweden
Jan Theunis, VITO, Belgium
Marco Alvisi, ENEA, Brindisi, Italy
Gianluigi De Gennaro, University of Bari, Italy
Fabio Galatioto, Newcastle University, UK
Ralf Moos, University of Bayreuth, Germany
Mar Viana, CSIC-IDAEA, Barcelona, Spain
Iveta Steinberga, University of Latvia, Riga, Latvia
Corinna Hahn, Eurice GmbH, Saarbrücken, Germany - *Grant Holder*
Julian Gardner, University of Warwick, UK
Rod Jones, University of Cambridge, UK
Giorgio Sberveglieri, University of Brescia, Italy
Eduard Llobet, Universitat Roviri i Virgili, Tarragona, Spain
Thomas Kuhlbusch, IUTA eV, Duisburg, Germany
Albert Romano-Rodriguez, Universitat de Barcelona (UB), Spain
Carlos Borrego, IDAD, University of Aveiro, Portugal
Annamaria Demarinis Loiotile, University of Bari, Italy - *Secretary*

URL: www.cost.eunetair.it

CAMPUS DE SANTIAGO
CAMPUS AGRÁ DO CRASTO

**Joint-Exercise
Kick-off**

WG MEETING



ESAN
Escola Superior de Design,
Gestão e Tecnologia da
Produção Aveiro Norte
Aveiro North School of Design
Management and Production
Technologies
(Olivaria de Azarém 40Km)

Conservatório da Música do Aveiro
Aveiro Conservatory of Music

ESTCA
Escola Superior de Tecnologia e Gestão
do Agrado
Agro School of
Technology and
Management (20Km)

- 1 Serviços de Tecnologias de Informação e Comunicação; UNWE - Associação para a Formação Profissional e Investigação; UNFOCO - Unidade Integrada de Formação Contínua, Jardim Infantil e ATL; CESAE; IEUA - Incubadora de Empresas da Universidade de Aveiro / ICT Services; UNWE - Association for Professional Training and Research of the University of Aveiro; UNFOCO - Integrated Unit of Continuing Education; Kindergarten and Day Care Centre; CESAE; IEUA - Business Incubator of the University of Aveiro
- 2 Departamento de Línguas e Culturas / Department of Languages and Cultures
- 3 CESAM - Centro de Estudos do Ambiente e do Mar; CICECO - Centro de Investigação em Materiais Cerâmicos e Compósitos; TEMA - Centro de Tecnologia Mecânica e Automação / CESAM - Centre for Environmental and Marine Studies; CICECO - Centre for Research in Ceramics and Composite Materials; TEMA - Centre for Mechanical Technology and Automation
- 4 Departamento de Eletrónica, Telecomunicações e Informática / Department of Electronics, Telecommunications and Informatics
- 5 Medicina; UATEC - Unidade de Transferência de Tecnologia da Universidade de Aveiro / Media Library; UATEC - Technology Transfer Unit of the University of Aveiro
- 6 Serviços de Apoio Social; Releatório de Santiago; Balcão de Cópia; Papelaria; Snack-Bar; Posto de Atendimento e Loja da AAUAV; Caxias Multibanco; Agência de Viagens; Centro de Saúde Universitário / Student Welfare Services; Santiago Centre; Post Office; Bank; Parapharmacy; Printing Centre; Bookstore; Snack Bar; AAUAV - Students Union Helpdesk and Shop; ATM; Travel Agency; Health Services
- 7 Departamento de Ambiente e Ordenamento / Department of Environment and Planning
- 8 Departamento de Biologia / Department of Biology
- 9 Departamento de Engenharia de Materiais e Cerâmica / Department of Materials and Ceramics Engineering
- 10 Departamento de Economia, Gestão e Engenharia Industrial / Department of Economics, Management and Industrial Engineering
- 11 Departamento de Matemática / Department of Mathematics
- 12 Departamento de Ciências Sociais, Políticas e do Território / Department of Social, Political and Territorial Sciences
- 13 Departamento de Física / Department of Physics
- 14 Laboratório Central de Análises / Central Testing Laboratory
- 15 Departamento de Química / Department of Chemistry
- 16 Departamento de Geociências / Department of Geosciences
- 17 Biblioteca; SBIDM - Serviços de Bibliotecas, Informação Documental e Museologia; Sala de Exposições Hélène de Beauvoir / Library; Library; Document Management and Museology Services; Hélène de Beauvoir Exhibition Room
- 18 Departamento de Educação / Department of Education
- 19 IT - Instituto de Telecomunicações / IT - Telecommunications Institute
- 20 ESTGA - Escola Superior de Tecnologia e Gestão de Agrado (20Km) / ESTGA - Agrado School of Technology and Management (20Km)
- 21 Departamento de Comunicação e Arte / Department of Communication and Art
- 22 Departamento de Engenharia Mecânica / Department of Mechanical Engineering
- 23 Complexo Pedagógico, Científico e Tecnológico / Pedagogical, Scientific and Technological Complex
- 24 IEETA - Instituto de Engenharia Eletrónica e Telecomunicações de Aveiro / IEETA - Aveiro Institute of Electronics and Telecommunications Engineering
- 25 Edifício Central e de Releatório; Releatório; Administração; Serviços de Gestão Académica; Serviços de Gestão Técnico e Logístico; Serviços de Gestão de Recursos Humanos e Financeiros; Serviços de Comunicação, Imagem e Relações Públicas / Racional Building - Rationale; Administration; Academic Management Services; Technical and Logistical Management Services;

- Human Resources and Financial Management Services; Communications; Image and Public Relations Services
- 26 Departamento de Biologia; Herbário e laboratório de ensino / Department of Biology; Herbarium and training labs
- 27 Serviços de Tecnologias de Informação e Comunicação / ICT Services
- 28 Departamento de Engenharia Civil / Department of Civil Engineering
- 29 Complexo de Laboratórios Tecnológicos / Technological Laboratories Complex
- 30 EBSUA - Escola Superior de Saúde e Sação Autónoma de Ciências da Saúde / EBSUA - Health School; Autonomous Section of Health Sciences
- 31 Fábrica Centro Ciência Viva; Projeto PmatE e IEUA - Incubadora de Empresas da Universidade de Aveiro / Fábrica - Living Science Centre; PmatE - Mathematics Education Project; IEUA - Business Incubator of the University of Aveiro
- 32 CIOFAND - Complexo Interdisciplinar de Ciências Físicas Aplicadas à Nanotecnologia e à Oceanografia / CIOFAND - Interdisciplinary Complex of Physical Sciences applied to Nanotechnology and Oceanography
- 33 Edifício das Comunicações Ópticas, Comunicações Rádio e Robótica / Building of Robotics, Optical and Radio Communications

- A ISCA-UA - Instituto Superior de Contabilidade e Administração da Universidade de Aveiro / ISCA-UA - Aveiro Institute of Accounting and Administration
- B Residência de Estudantes / Student Hall of Residence
- C Residência de Docentes, Funcionários e Estudantes de Pós-graduação / Professors, Staff and Post-graduate Student Halls of Residence
- D IDAD - Instituto de Ambiente e Desenvolvimento / IDAD - Institute for the Environment and Development
- E Pavilhão Polidesportivo Prof. Dr. Aristides Hall / Athletics Hall Sports Pavilion
- F Snack-bar; Self-service; Restaurante Universitário / Snack-Bar; Self-Service; University Restaurant
- G Crotche e Jardim Infantil / Day Care Centre and Kindergarten
- H CESAM - Centro de Estudos do Ambiente e do Mar / CESAM - Centre for Environmental and Marine Studies;
- I GRETUA - Grupo Experimental de Teatro da UA / GRETUA - University of Aveiro Experimental Theatre Group
- J Depósito de Águas / Water Tower
- K Pista de Atletismo / Athletics Track
- L Ponte Pedonal / Footbridge
- M Complexo de Releatório do Craсто / Craсто Canton Complex
- N Casas do Estudante; sede da AAUAV - Associação Académica da UA / Students Union; AAUAV - Academic Association of the University of Aveiro
- O Estação Meteorológica / Weather Station
- P PL - Parque de Acesso Livre; PR - Parque de Acesso Restrito; PP - Parque Pago / PL - Free Parking Spaces; PR - Restricted Parking Spaces; PP - Paid parking
- Q Livraria e Sala de Exposições; Centro de Estudos de Jazz / Bookshop and Exhibition Room; Centre for Jazz Studies
- R Jardim da Ciência / Science Garden
- S Marina Santiago de Fontes / Santiago de Fontes Sailpan