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# URBAN AIR QUALITY: THE CHALLENGE OF NON-EXHAUST ROAD TRANSPORT EMISSIONS

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PROGRAM COTXERES PALAU ROBERT. PASSEIG DE GRÀCIA, 107, BARCELONA

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**Thursday, July, 11<sup>th</sup>, 2013**

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**9:15 Welcome**

## **SESSION 1: EMISSION INVENTORY AND MODELING**

**9:30 The Art of Non-Exhaust Emission Inventorying**

**Magdalena Jozwicka**, TNO, Netherlands

**10:00 Non-Exhaust Particles from Road Traffic: the Nordic Experience**

**Mats Gustafsson**, VTI, Sweden

**10:30 Capturing Road Dust in a Regional Model. Experiences with Lotos-Euros and Challenges**

**Martijn Schaap**, TNO, Netherlands

**11:00 Coffee break**

**11:30 Open Debate Session 1**

**Chair: Fulvio Amato**, IDAEA-CSIC

## **SESSION 2: MEASUREMENTS AND SOURCE CONTRIBUTIONS**

**12:00 Wear and Resuspension Particles from Road Traffic - Sources and Emission Factors**

**Robert Gehrig**, EMPA, Switzerland

**12:30 Urban Air Quality: from Ultrafine to Coarse Particles**

**Xavier Querol**, IDAEA-CSIC, Spain

**13:00 Lunch**

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**14:30 Examples of Using PM10/PM2.5 Monitoring and RDI-Synchrotron-XRF Data to Assess Coarse PM Sources**

**Andre Prevot**, Paul Scherrer Institute, Switzerland

**15:00 Approaches to the Quantification of Non-Exhaust Emissions from Road Traffic**

**Roy Harrison**, University of Birmingham, UK

**15:30 Open Debate Session 2**

**Chair: Teresa Moreno**, IDAEA-CSIC, Spain

**16:00 Coffee break**

## SESSION 3: MITIGATION AND POLICY

**16:15 Air Quality Plan in the Metropolitan Area of Barcelona. Current gaps**

**Xavier Guinart**, Government of Catalonia, Spain

**16:45 CMA, an Important Contribution to Improve Air Quality in the City of Klagenfurt in Austria**

**Wolfgang Hafner**, City of Klagenfurt, Austria

**17:15 Open Debate Session 3**

**Chair: Xavier Querol**, IDAEA-CSIC, Spain

**17:45 Bus to CosmoCaixa**

**18:00 Visit to CosmoCaixa and 3D Planetarium**

**19:45 Dinner at CosmoCaixa**

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## SESSION 4: HEALTH EFFECTS

**9:30 Exhaust Versus Non-Exhaust PM Toxicity: the London Experience**

Frank Kelly, King's College, UK

**10:10 How Hazardous are Wear Particles?**

Flemming Cassee, RIVM, Netherlands

**10:50 Coffee break**

**11:20 Health Effects of Non-Exhaust Road Transport Emissions**

Jordi Sunyer, CREAL, Spain

**12:00 Open Debate Session 4**

Chair: Martijn Schaap, TNO, Netherlands

**12:30 Conclusion and closing**

**12:45 Lunch**

**14:00 AIRUSE Project Meeting** (for project partners)

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