



**European Network on New Sensing Technologies for Air Pollution  
Control and Environmental Sustainability - *EuNetAir*  
COST Action TD1105**

**INTERNATIONAL WG1-WG4 MEETING on**

***New Sensing Technologies and Methods for Air-Pollution Monitoring***  
**European Environment Agency - EEA**  
**Copenhagen, Denmark, 3 - 4 October 2013**


Action Start date: 01/07/2012 - Action End date: 30/06/2016 - Year 2: 2013-2014 (*Ongoing Action*)

## **Some Remarks**

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**Function in the Action: Invited Expert**


**DLR, Germany**

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- Spectrum of consortium with different air quality background big opportunity
  - Join forces to better understand variability and processes
  - Comprehensive monitoring and modelling of physical, chemical and biological composition of ambient air by different and complementary techniques/technologies/methods

→ Collaboration

→ Field studies

→ Position paper

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- Bring citizens from passive role into active role
  - Miniaturization
  - The more data the merrier → crowd sourcing
  - From trendy gadgets to reliable data to research data base
  - Improved interoperability in air quality community
  - Challenge not to overwhelm the public with information



## Improved consideration of:

- Aeroallergens (automated monitors, regulatory networks)
- PM1, ultrafine particles, nano particles
- Aerosol type (anthropogenic/natural) and shape wrt health impact
- Spatial representativity (measurements, exposure)
- Better error characterisation, intercomparison
- NO<sub>2</sub>, NO<sub>y</sub>, NO<sub>x</sub>?
- Data assimilation (ground-based, satellite-based, modelling)
- Vertical dimension (“ambient air” may show strong gradients)