



**Air Quality Assessment for Europe**  
**From local to continental scale**  
**Prag, 10<sup>th</sup> November 2006**  
**The AIR4EU Project**  
**- Scope and major achievements -**

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6<sup>th</sup> Framework Programme- Policy oriented Research  
Priority 8.1 Topic 1.5 Task 2



- AIR4EU is a EU 6<sup>th</sup> FP Project “in support of the CAFÉ-programme”
- AIR4EU started 1-1-2004 and will end 31-12-2006
- Research Partners: TNO, NILU, Aristotle Univ. Thess., Univ. Stuttgart, Univ. Hertfordshire, Univ. Aveiro
- User Partners: Paris, Rome, London + UK, Prague, Athens, Rotterdam/Rijnmond, Oslo, (Berlin)

- To provide recommendations on integrated AQ-assessment for all relevant temporal and spatial scales
- Integrated means: Combining monitoring and modelling in order to reduce uncertainties and to achieve a more complete picture
- Focus on PM, O<sub>3</sub>, NO<sub>2</sub>
- Focus on cities

- A guidance document on best practices for the combined use of monitoring and modelling
  
- Maps of air quality as examples, based on the combination of monitoring and modelling
  
- And also:
  - AIR4EU Documents and Reports
  - Presentations at Conferences
  - Double refereed papers

- Recommendations for integrated air quality assessment on hot spot, urban and regional scale
  
- Recommendations have been - as far as possible - tested in Case Studies with the user partners
  - Recommendations at urban scale:  
Presentation by Steinar Larssen
  
- Uncertainty Assessment
  - Presentation by Carlos Borrego

- Air quality mapping tool
  - Presentation by Agnes Dudek
  
- Case study results, three examples will be presented:
  - Providing Regional Background Concentrations:  
Presentation by Peter Builtjes
  - Traffic management in London:  
Presentation by Ranjeet Sokhi
  - Air quality assessment and non-exhaust emissions in Rome:  
Presentation by Menno Keuken
  
- During the Poster Session: Many more results and products by AIR4EU will be shown:  
City posters, Emissions, Data assimilation etc.

- The project is about recommendations/methods for Air Quality Assessment
- Evaluation of abatement strategies was not the focus of AIR4EU, but the recommendations/methods are there to be used in such evaluations

- It is the purpose that the recommendations/methods and the mapping tool are usefull for other city users throughout Europe
- It is the purpose that the integration methods are usefull in the future for combining modelling and monitoring from both ground level and satellites:  
GMES
- It is the purpose that the methodology for uncertainty will be further tested and used

- In AIR4EU we as partners have learned a lot from each other
  
- We have also learned that in working with the EU-Directives it is more important to follow the general purpose of the Directive , than to focus too much on details and strict interpretations:
  - Trying to follow the letter of the law is not optimal to achieve improvements
  
- See also Kafka “The trial“ and ”According to the law”, 1925