



Overview of the Twinning Project Air Quality Improvement

Final Meeting
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Twinning project - Air Quality Improvement

An EU-funded project managed by the European Agency for Reconstruction

Air Quality Improvement

1. Guidelines and secondary laws

2. Emission Inventories

*3. Preliminary
Assessment*

*5. Dispersion
Modelling*

*4. Air Quality Measurements
and laboratory work*

The participating institutions

- The Lead MS, Finland
 - FMI – the Finnish Meteorological Institute, Finland - coordinator
 - SYKE – the Finnish Environment Institute, Finland
 - VTT – the Technical Research Centre of Finland, Finland
 - WFEPa – the Western Finland Environmental Permit Authority, Finland
- Junior Partner, Austria:
 - Umweltbundesamt – Federal Environmental Agency, FEA, Austria
- The Beneficiary Institutions
 - The main counterpart: MEPP – Ministry of Environment and Physical Planning
 - Other Participating Institutions
 - HMA – Hydro-Meteorological Administration,
 - RIHP – Republic Institute for Health Protection, the former Yugoslav Republic of Macedonia
 - Institute of Chemistry at the St. Cyril and Methodius University, the former Yugoslav Republic of Macedonia

Mandatory results Guidelines and Secondary Laws

1. The EU air quality legislation based on the already harmonized air quality framework directive further aligned
2. A Draft sub legislations on Air Quality completed
3. About 50 person trained and training material and instructions manual prepared

Mandatory results Emission Inventories

1. Institutional capacity and tools improved for maintaining emission data inventories and improved tools
2. Report on compliance with EU based national emission system and priority list for improvement
3. Improvement National methodology for air emission inventories for the country.
4. Capacities improved and draft training materials prepared on emission inventories and reports
5. Support to EPER reporting

Mandatory results Preliminary Assessment

1. Improvement of methodology for preliminary assessment
2. Revised agglomeration and non-agglomeration zones, established with CARDS 2004 Projects
3. A preliminary assessment of ambient air quality has been worked out and reported to the EEA
4. Awareness raised on the importance of the air quality monitoring system

Mandatory results

Measurements and laboratory work

1. Operation of the calibration laboratory improved and the staff is trained
2. Capacity built for operation, maintenance, calibration and repairs of air quality monitoring stations and samplers.
3. An draft QA/QC plan has been worked out
4. Plan for improvement and training for data management has been completed
5. Plan for improvement and training for GCs analysis for air samples has been completed
6. The operation of Mobile Emission Monitoring Laboratory is improved and the staff received proper training for emissions measurements
7. Specifications and priority list for investment (software, laboratory equipment and additional equipment for air quality monitoring stations and mobile emission laboratory)

Mandatory results

Dispersion modelling

1. An air quality model has been supplied and implemented
2. Methods to provide meteorological and emission dataset for dispersion modeling has been established
3. The staff is trained in the use and validation of the model results
4. Real case studies prepared

Component 1 - legislation



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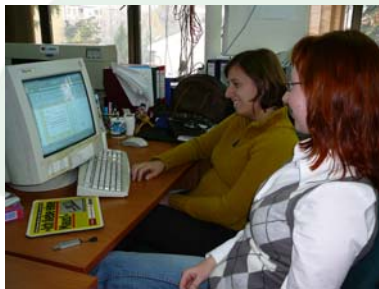
- Workshop on 16.4.2008: Plans & Programmes and Preliminary Assessment



Component 2 – Emission Inventory



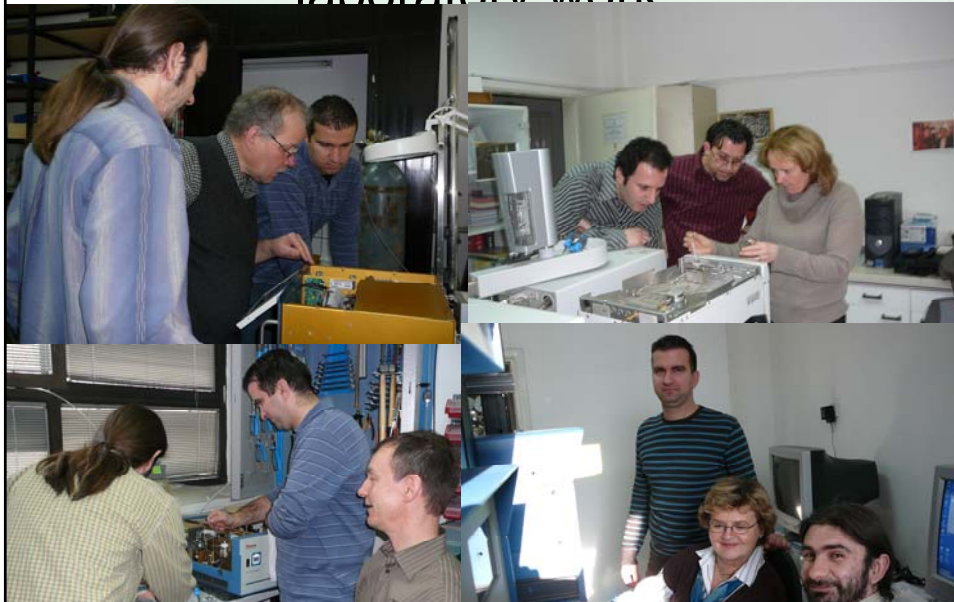
Component 3 - Preliminary Assessment



Component 4 – Measurements and laboratory work



Component 4 - Measurements and laboratory work



Component 4 – emission measurements



Component 4 – emission measurements



Study Tour to Finland



Study Tour to Finland



Component 5

