

## Trip report Macedonia, August 23&24, 2005

<b>Name:</b>	Tinus Pulles, Chris Dore, Jan Svetlik
<b>Date:</b>	August 23 & 24, 2005
<b>Venue:</b>	Hotel Karpos, Skopje
<b>People met</b> (amongst many others)	See attached participants list
<b>Meeting:</b>	Kick off workshop project “ <b>Establishment of a National Methodology for Emission Inventory in the Republic of Macedonia</b> ”
<b>CC:</b>	Andreas Barkman, Tony Blagoev, André Jol, Rob Swart

### Objective of the meeting

The objective of the project is to develop an emission inventorying and reporting system in the Former Yugoslav Republic of Macedonia that complies with international requirements, both of the Climate Change and Long Range Transboundary Air Pollutants conventions (UNFCCC and UNECE/LRTAP respectively) and the European Union. It is Macedonia’s wish to build this system based on the CORINAIR system. This workshop was aimed at setting the stage and developing a work plan for the implementation of an appropriate emission inventory system in Macedonia.

### Results

At this workshop several issues were discussed and decided as follows:

#### *Day 1*

1. The Ministry of Environment and Physical Planning (MEPP) explained the background of the project and expressed its confidence that this project indeed will support the country in setting up its national inventory system, both in terms of organisational and institutional arrangements and in terms of data flows, data storage and reporting capabilities.
2. MEPP proposes to the project team to sub-contract the company TEHNOLAB (<http://www.tehnolab.com.mk/>) to provide local experts and expertise within the project. MEPP will send a letter to Tinus Pulles, project leader of this project, confirming this proposal.  
Tinus will discuss with TEHNOLAB’s director Magdalena Trajkovska further details of the contract. Magdalena will send to Tinus within ten days a list of the experts and their expertise, the number of working days each of these experts will be available for the project and the fee rate (€/day) for each of the experts. Tinus will, on the basis of the project proposal and the information from TEHNOLAB finalize the contractual issues as soon as possible thereafter.
3. MEPP and TEHNOLAB provided a clear and impressive overview of all data and information that is already available in Macedonia. This information is mainly on emissions from larger industrial facilities (“emission cadastre”); not much data is available on the emissions from agriculture and waste.  
MEPP also provided copies of the Statistical Yearbook for the year 2004.



4. Tinus presented some basic issues in emission inventories. Chris Dore gave an overview of inventory management and QA/QC and Jan Svetlik introduced the software tools available from ETC-ACC.
5. The software was installed on several computers and participants could practice with several aspects of the software.
6. The international experts discussed with TEHNOLAB the development of an inventory work plan, aimed at having the first national inventory for the base year 2004 available by mid March 2005. The work plan will be further elaborated by TEHNOLAB in consultation with the international experts and as a draft be presented to MEPP for endorsement.

## **Day 2**

7. The Macedonian experts were split in two groups, one group on Energy and Industrial Processes and one group on Agriculture. Using the data in the Emission Cadaster and the Statistical Yearbook, the international experts supported the local experts from TEHNOLAB and MEPP to compile the first data records in the National Air Emission Inventory for the FYR of Macedonia. A number of practical and pragmatic issues were discussed and the international experts proposed solutions for data gaps and inventory strategy.
8. This hands-on training, using directly data and knowledge on the country provided the local experts with a feeling for the work to be done in the coming months and provided both the MEPP and TEHNOLAB on the one hand and the international experts on the other hand with confidence that the production of a national inventory by mid March and the subsequent preparation of data submissions to EEA, UNFCCC and LRTAP is feasible.
9. The international experts emphasized that
  - the quality of the first national inventory and emission data submissions should be “good enough” and probably not “the best”. Keeping this in mind, prioritising of tasks and efforts should be carefully undertaken

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- all aspects on data collection, data interpretation and data entry should be carefully documented in standardized log files for transparency and future reference
- whenever data providers are not able to supply data, needed for the inventory, the inventory experts will derive their own estimate, based on any data they can find and using common sense; such estimates will be sent to appropriate data providers for review with a clear deadline; if the data provider is able to send data, these will replace the team's estimation; when no response is received, the team will continue using their own estimate.

## Conclusions

1. Both the representatives of MEPP, of TEHNOLAB and the international experts are confident that this project will be successful and that a first national submission of air emission data to EEA, to UNFCCC and to LRTAP by mid 2006 is feasible.
2. The Macedonian experts will contact the international experts for any questions, problems or other issues that need support or help. The e-mail addresses and other co-ordinates have been exchanged.
3. It was agreed that international experts will come to Macedonia again in early November and probably in January 2006 to review progress and advice on possible changes in the work plan or priorities. The exact dates for this working visit will be decided on by MEPP (Svetlana Gjorgjeva) in consultation with Tinus.
4. All participants agreed that the kick off workshop was very useful and provided the project team, both the local experts and the international experts with sufficient material and recommendations to start working efficiently and with confidence that the objectives of this project will be met.

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## Participants list

**Kick of meeting**  
**Establishment of a National Methodology for Emission Inventory in the Republic of Macedonia -ETC-ACC Country**  
**visit to Macedonia, 23 August 2005, Hotel Karpos, Skopje**

Participant list

Name	Organisation	Adress/Email	Signature
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Mrs. Aleksanda Nestorovska Krsteska	MOEPP	Drezdenska 52, Skopje A.Krsteska@moepp.gov.mk	A. Krsteska
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Mr. Jan Svetlik	SPIRIT	jsvetlik@spirit.sk	Jan Svetlik
Mr. Libor Cernikovsky			

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