



## Background

Air Emission Inventories (AEI's) are key elements - from the local to the international level - in the process of reducing air pollutant emissions and minimizing their effects on the global climate, the environment, human health and cultural heritage in the most cost-effective manner. Therefore, the importance of reaching and maintaining a high, or at

least a known quality of air emission inventory data, cannot be overestimated.

However, despite the importance of AEI's for establishing abatement strategies and the worldwide effort engaged on AEI's, comparatively little work has been carried out to assure the quality of AEI data, e.g. by means of independent evaluation and validation methods. It is foreseen that such work will become increasingly important in the future, as air emission reduction targets are established and continuously developed for an increasing number of air pollutants, in order to reach a sustainable society.

## Aims of the workshop

The overall aim of the workshop is to critically examine the means of assuring the quality of air emission inventory data that form the basis for future revisions of international protocols, eg. the 1999 Gothenburg Protocol, and EC directives for transboundary air pollutants, and for assessing the compliance of already negotiated agreements.

Primary aims of the workshop are:

- to gather international and national expertise on AEI's to explore ways to assure and improve the quality of AEI data,
- to review the state-of-the-art as regards various independent methods to evaluate AEI data from the local to the national and international level, and case-studies involving such efforts,

- to bridge the gap between scientific work within the field and conventional air emission inventory work in order to integrate more efficiently research results in daily inventory work,
- to derive recommendations for harmonised methodologies and identify future research needs within the field of AEI validation in order to achieve more comparable, transparent and quality-assured AEI data across nations.

## Organisation of the workshop

The workshop will be organised by SMED, Swedish Methodology for Environmental Data, on behalf of the Swedish ASTA Research Programme ("International and National Abatement Strategies for Transboundary Air Pollution") in collaboration with the Swedish Environmental Protection Agency, the Nordic Council of Ministers (NMR), CLRTAP Task Force on Emission Inventories & Projections (TFEIP) and the EU CAFE Programme. SMED is a collaborative consortium, working on behalf of the Swedish EPA to prepare the national air emission data for Sweden reported to e.g. CLRTAP and UNFCCC, consisting of the Swedish Environmental Research Institute (IVL), the Swedish Meteorological & Hydrological Institute (SMHI) and Statistics Sweden (SCB).

The workshop will take place from 1 pm October 14 until 1 pm October 16. There will be plenary sessions on October 14 and October 16, whereas during October 15 the workshop will be split into three to four parallel sessions or working groups. Each session will have a key note speaker and a

number of session speakers. There will also be some space for poster presentations for each session.

Proposed themes for the sessions/working groups:

1. Background - current state of reporting, needs, etc
2. AEI uncertainty & validation, emission indicators
3. AEI users' perspective: models, systems and tools
4. AEI particular needs, problems, standardisation

Topics of key note/session speakers will include:

- Conventional quality assurance methods and work for "top-down" and "bottom-up" AET's.
- Sensitivity analysis, quantification of uncertainties in air emission inventories and projections.
- Development and application of independent methods to validate and evaluate air emission inventories and emission inventory models from the local to the national/international level.
- Follow-up of air emission projections and reduction targets.

Although space for uninvited speakers at the workshop will be limited, we warmly invite participants to **send** their **abstracts**, which will be considered by the Scientific Advisory Committee for oral or poster presentation.

Abstracts should be written in Microsoft Word for Windows to fit on one page (A4), and be submitted by e-mail to the contact person of the workshop (see below), **not later than June 15, 2002**.

Participants will be informed about their contributions not later than **August 31, 2002**.

### Workshop Venue

The workshop will be held at Hotel Novotel ([www.novotel.se](http://www.novotel.se)) in Göteborg, Sweden, 14-16 October 2002. The number of participants will be limited to a maximum of 80. A corresponding number of rooms will be reserved for workshop participants at Novotel until two weeks before the workshop. More information regarding other activities in the Göteborg region can be found at: [www.goteborg.com/en/](http://www.goteborg.com/en/).

### Contact person for the workshop

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### Organising Committee

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### Scientific Advisory Committee

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### Workshop registration

Registration is free and is preferably made at the workshop homepage, where recent information on the workshop can also be found:

[www.validationworkshop.ivl.se](http://www.validationworkshop.ivl.se)

Please register no later than **August 31, 2002**.

*Welcome to Göteborg in October 2002 !*