

*Workshop on “ Air pollution and its relation to climate change and sustainable development :
Linking immediate needs with long term challenges – Saltsjöbaden 3”
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**Linking immediate needs with long term challenges :
The issue of emerging technologies**

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Abstract

Move from RAINS to GAINS for modelling activity is offering important opportunities to better assess the impact and cost of existing, new and emerging abatement technologies on emission reductions overtime.

In the framework of the Convention on Long-Range Transboundary Air Pollution, EGTEI has been mandated by the United Nations, Economic Commission for Europe, to initiate some work on emerging technologies to reduce emissions into the air.

The main objectives of the work are the identification of promising emerging technologies, their techno-economic characterisation (e.g; applicability, emission reduction potential, costs) as well as assessment of penetration rates and their impact on air emissions.

The work will be focused on main activity sectors that will have a relevant impact on air emissions (SO_x, NO_x, VOC's, PM, CO₂) in the entire ENECE region.

Evolution of environmental performances of existing abatement technologies overtime will be also considered.

The work will be split in two different time horizons :

- short term approach up to 2020
- long term approach after 2020.

Energy sector has been identified as a priority sector for this work and especially large combustion plants.

ADEME, French Environment and Energy Management Agency, is going to chair the EGTEI Working Group dealing with emerging technologies for Large Combustion Plants. A kick off Meeting is scheduled on 7th of June 2007.

KEY WORDS : air pollution, emerging technologies, abatement technologies, large combustion plants, costs, integrated assessment modelling.