



UNECE Convention on Long-range Transboundary Air Pollution

# EGTEI – Expert Group on Techno-economic Issues

Co-Chairs' report to WGS&R

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## EGTEI - Co-Chairs' report to WGS&R

### Outcomes of the 12th meeting

The 12th EGTEI meeting took place in Anger, France, on the 2nd of October 2007.

Back to back, the sub group on emerging technologies for large combustion plants (LCP2030 sub group), held its second meeting on the 1st of October, 2007.

Presentations from both meetings are available, on line, at:  
[http://www.citepa.org/forums/egtei/egtei\\_meetings.htm#Steeringgroup12](http://www.citepa.org/forums/egtei/egtei_meetings.htm#Steeringgroup12).



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### Preliminary information

As usual, the co-chairs informed the group about updates on relevant issues, like:

- 1) Review and possible revision of the Gothenburg Protocol; revision of guidance documents on control techniques, on SO<sub>x</sub>, NO<sub>x</sub>, VOCs ;
- 2) Revision of the EC NEC Directive;
- 3) Revision of the EC IPPC Directive;
- 4) Cooperation of EGTEI with IPPC Bureau and participation in the revision of the EMEP Corinair Emission Inventory Guidebook.



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### Progress of the Expert Group

Progress can be summarized in the following items

- 1) Emerging technologies for large combustion plants.
- 2) Background document on large combustion plants.
- 3) Emission limit values for nitrogen oxides from stationary engines.
- 4) Information on the revision of BREF for the glass industry.
- 5) Work on small combustion plants
- 6) Emerging technologies from an integrated assessment modelling perspective



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### Emerging technologies for large combustion plants

Works carried out by the sub-group LCP2030, lead by ADEME, France.

Ultimate objective : “.... providing technical and economical information for modelling purposes on emerging or improved technologies and abatement techniques of NO<sub>x</sub>, SO<sub>2</sub>, particulate matter (PM) and greenhouse gases for LCPs exceeding 500 MWth up to 2030.

Subject of dedicated presentation by ADEME



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### Background document on large combustion plants

IFARE has revised the EGTEI methodology and the background document for LCP >500 MWth.

In the light of the Swedish and Czech experience in testing the methodology a technical meeting took place in September, with the aim of further improving the methodology and its applicability at the national level.

The background document, the associated Excel spreadsheets would be improved and a short guide would be prepared to assist the national experts in collecting the technical information.



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NO<sub>x</sub> Emission limit values from stationary engines.

Rationale: some Parties had drawn attention to the need to revise table IV of annex V, (limit values for NO<sub>x</sub> emissions for new stationary engines) due to the difficulties these Parties had experienced for complying with these values when ratifying the Protocol.

A specific meeting on this subject took place in Frankfurt, Germany, on 27 February 2008, organized by EUROMOT on behalf of EGTEI and Finland, lead country for this activity.

Subject of oral report by Finland.



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### Revision of BREF for the glass industry.

The glass industry had commissioned a study, on input from the Dutch research organization TNO, for collecting the data required for updating the BREF on glass.

The outcomes of this work would be presented at the next meeting of the Expert Group and made available to the members of the Group.

The new data was scheduled to be presented to the IPPC Bureau by July 2008.





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### Work on small combustion plants (SBI)

The results of the studies carried out in Italy on the performances of a number of different small combustion plants, for heating purposes, are now available on the EGTEI Web site (in English). Complementary information or new works could be added, as they become available, in the future.

At the next EGTEI Meeting, results from a German study on SBI, will be reported.



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### Emerging technologies from an integrated assessment modeling perspective

Mr. Maas, Chairman of TFIAM, highlighted a number of issues concerning links between Climate Change and Air Pollution and the increasing role of emerging technologies, under the Convention.

In particular, Mr. Maas portrayed benefits and potential risks in linking air pollution abatement with climate policy. He drew attention to:

- CCS Carbon Capture and Storage vs IGCC (Integrated Gasification Combined Cycle)
- Biomass burning at small scale
- Emerging Technology in Transport Sector (Hybrid/H<sub>2</sub> Cars)
- Combined Heat and Power (CHP) units at small scale in urban areas.
- Effects of transboundary ET on Air Pollution abatement costs



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### Next EGTEI Meetings

Stockholm, Sweden, on April, 28-29, 2008, hosted by Swedish EPA

Sorrento, Italy, on October, 13-14, 2008, hosted by The Italia Agency for New Technology, Energy and the Environment (ENEA)