



EGTEI

Sub-group of experts on LCP Emerging Technologies and Techniques

(Large Combustion Plants > 500 MWth)



EGTEI has been mandated by UN ECE to:

Initiate the work on emerging technologies in order to further reduce air pollution emissions

Assess what could be done technically and economically to reduce air pollution emissions from large combustion plants (LCP) up to 2030

➤ **LCP2030 sub-group**



Objective of the LCP2030 sub-group

Provide technical and economical information for modelling activity on:

- **Emerging technologies and abatement techniques**
- **Improvement:**
 - **Emerging applications of existing abatement techniques**
 - **Technical improvement of existing technologies and abatement techniques**



Focus on:

- **Their techno-economic characterisation (environmental performance, energy efficiency and CO₂ impact, costs, rate of penetration,...)**
- **LCPs > 500 MWth**
- **Primary and secondary measures**
- **PM, SO_x, NO_x and CO₂ abatement/reduction**



Organisation:

- **LCP2030 sub-group chaired by ADEME**
- **Experts from industry and national administrations**
- **More than 20 participants**
- **Kick-off meeting in June 2007**
Report scheduled for June 2008



Methodology:

- **Identification of documents and studies useful for the work of LCP2030 sub-group:**
 - **IPPC BREF on LCP**
 - **EU-project “Assessment of the air emissions impact of emerging technologies” 2003/2004**
 - **Documents on Carbon Capture and Storage (CCS)**

- **Proposition of a list of potential technologies/techniques**



Methodology:

- **Review of the list by the experts in order to:**
 - **identify technologies/techniques to be analysed with higher priority**
 - **remove some technologies/techniques from the list, e.g. when the technologies/techniques proved to be of no interest**
 - **add some technologies/techniques**
 - **Properly re-name some technologies/techniques**
 - **identify contributors for information on technologies/techniques**

- **Collect of information from LCP2030 sub-group experts or from interview of other manufacturers**



Schedule of LCP2030 sub-group

- June 7th 2007:** Kick-off meeting (Paris, ADEME)
- October 1st 2007:** 2nd LCP2030 meeting (Angers, ADEME)
- January 25th 2008:** 3rd LCP2030 meeting (Brussels, ENEA)
- March 17th 2008:** 4th LCP2030 meeting (Paris, CITEPA)
- April 28th 2008:** 5th LCP2030 meeting (Stockholm)
- June 2008:** finalize document in English and, afterward translation into Russian and French for WGSR meeting on September 2008

ADEME



Expert sub-Group on Emerging Technologies/Techniques

Thank you for your attention

LCP2030 sub-Group - Genève - WGSR meeting - April 14-17th, 2008