

**Meeting Report**  
**3<sup>rd</sup> Meeting of EGTEI – Emerging Technologies sub-Group**  
**(LCP2030 subgroup)**

**held in Brussels, January 25<sup>th</sup>, 2008**

**Participants**

Mrs Nadine ALLEMAND (CITEPA),  
Mr Mark Barret (UCL University College London),  
Mr Jean-Guy BARTAIRE (Co-chairman of EGTEI, EDF),  
Mr Giorgio BILIATO (EDIPOWER s.p.a.),  
Mr Phil CAHILL (RWE npower),  
Mr Gwénaél GUYONVARCH (ADEME),  
Mr Michael HIETE (IFARE),  
Mr Pierre KERDONCUFF (IFARE),  
Mr Peter MEULEPAS (Ministry of the Flemish Region, Environmental Administration),  
Mrs Carole Ory (EDF),  
Mr Tiziano Pignatelli (Chairman of EGTEI, ENEA),  
Mrs Simone SCHUCHT (INERIS),  
Mrs Nathalie THYBAUD (ADEME).

Mr Jean-Pierre RIVRON, Mr Jacek GADOWSKI, Mr Mats LINDGREN, Mr Hartmut KRUGER, Mr Hein DE WILDE, Mrs Anna KRIZOVA, Mrs Julie GILLES were excused.

**Background**

The LCP2030 subgroup had its kick-off meeting on 7 June 2007 in Rome and its second meeting on 1 October 2007 in Angers. The aim of the subgroup is to provide techno-economic information about i) emerging technologies, ii) emerging abatement techniques, iii) emerging applications of existing abatement techniques, iv) improvements of existing technologies and v) improvement of existing abatement techniques in the sector of large combustion plants (LCP), i.e. >500 MWth, until 2030.

**Context**

The 3<sup>rd</sup> meeting was hosted by ENEA in Brussels and chaired by G. GUYONVARCH. In his introduction G. GUYONVARCH explained the background of the LCP2030 subgroup and the schedule of the LCP2030 subgroup (cf. presentation). In order to present the work done by the LCP2030 subgroup at the WGSR meeting in April 2008 it is important to send the documents to EGTEI at the end of March (however, as the minimum period of 90 days in advance to allow for translations into French and Russian is not met, this presentation can be only informal). It was decided to make a presentation for the WGSR but not to provide a document or to provide just an informal document. To be on schedule contributions are therefore expected by the end of February (see below).

In the following presentation N. THYBAUD reminded the general aims of the subgroup (see attachment). Then, she explained the current status of work. A methodology and a list of possible technologies and techniques have already been developed by the subgroup. Furthermore, during the last meeting in Angers the technologies and techniques were prioritised and organisations willing to provide information on the technologies/techniques were determined. So far contributions were provided on Carbon Capture and Sequestration (ADEME), on several techniques/technologies (JP Rivron) and on SO<sub>x</sub>-NO<sub>x</sub>-Rox-Box, LIMB and Catalytic Combustion (IFARE).

## **Results of the discussion**

The group went through the technologies/techniques list including the promised contributions, and updated it when necessary (see attachment).

N. THYBAUD presented the contribution for Carbon Capture and Sequestration (CCS). It was proposed to focus on selected technologies/techniques only.

M. HIETE gave a presentation on contributions for SO<sub>x</sub>-NO<sub>x</sub>-Rox-Box, LIMB and Catalytic Combustion. As a result of the discussion SO<sub>x</sub>-NO<sub>x</sub>-Rox-Box is not considered anymore as a priority. Main problems are hazardous waste as by-product and rather low abatement efficiencies. LIMB is also not a priority anymore as it has problems in terms of reliability and mediocre abatement efficiency. Catalytic combustion is not considered within the scope of the LCP2030 group, as application for >500 MWth seems unlikely.

M. BARRETT presented results of a study prepared for the NGO Acid Rain in which the costs and health benefits of reducing air emissions from power plants in Europe were analysed. In the study, costs to achieve BAT level were determined for each power plant. The effects on electricity production costs were also analysed. The study shows among other things that a few power plants in Europe emit a large part of NO<sub>x</sub> and SO<sub>2</sub> emissions in Europe.

**The 4<sup>th</sup> meeting of LCP2030 subgroup will take place on Monday, March 17<sup>th</sup>, 2008 in Paris at CITEPA and the 5<sup>th</sup> meeting on Monday, April 28<sup>th</sup>, 2008 in Stockholm. The contributions about technologies/techniques are expected before the end of February. A draft report should be presented to WGSR in April 2008. The final report is expected by June 2008 and will be presented during the WGSR meeting in September 2008.**