

EGTEI methodology: update of costs for LCP

Draft minutes of third meeting of 11 June 2012

Participants:

Name	Organisation	Country
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Helena HNILICOVA	Czech Hydrometeorological Institute	CZ
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Frank SCHULTMANN	DFIU, EGTEI secretariat	DE
Koen SMEKENS	ECN	NL
Philippe STIERLIN	GDF SUEZ	FR
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Excused: Bellen BRAVO (EUROFER, BE), Pete ROBERTS (CONCAWE, BE), Andreas WECKER (VGB, DE), Staffan ASPLIND (Naturvardsverket, SV), Tiziano PIGNATELLI (ENEA, EGTEI co chairman, IT), Roger BRANDWOOD (E'ON, UK), Daniel LADANG (TOTAL, BE),

Diffusion: As above + persons interested to follow the work or who will join the sub group later:

Frans VAN AART (KEMA, NL)

Objectives of the meeting

The objectives of the meeting were to examine the state of progress of the work by the secretariat CITEPA and KIT, respectively for SO₂ / PM (CITEPA) and NO_x (KIT).

A series of slides for discussion was prepared by the secretariat and discussed during the meeting in order to progress in the estimations (presentation pdf joined to these minutes).

Main results of the discussions

After some slides describing the main results of the meeting of 31 January, the success of the questionnaires send on April 5th, 2012 was discussed. The EGTEI secretariat has developed two questionnaires. One questionnaire in EXCEL format aims at collecting cost data for plants. A second questionnaire was developed to answer to comments of experts to the document prepared for the January meeting, presenting the methodology and assumption/parameters which have to be updated. This document is a word document summarizing the parameters used in the methodology and asking for comments and/or new data.

In fact, only one EXCEL-questionnaire completed was received by the secretariat until this meeting. This low success is explained by the involvement of experts on the questionnaire of the IPPC bureau for the BREF revision. Even if the questionnaire is quite simple, in a plant answers are not available so easily and several persons can be involved. Other ways to obtain information were discussed. Suppliers of equipment could be a source. However the EGTEI secretariat received a negative answer from EPPSA (European Power Plant Suppliers Association). Andre Peeters Weems estimates that competent authorities could also have information. The questionnaire has been sent also to competent authorities participating to the working group. H el ene Lavray from EURELECTRIC informed the secretariat that a new demand will be addressed to her members, explaining that questionnaires will be welcomed even if not answered completely. It was decided to give another deadline to provide answers, September, 28th 2012. The EXCEL questionnaires will be shared but will be made anonymous by the EGTEI secretariat, before.

The future organisation of the EXCEL sheet which will be developed to estimate costs, was presented. The aim is to provide a calculation sheet with manual input of main variables, for any size of installations above 50 MWth, using the fuels selected by the group. Assistance should be provided with default data for reference cases. Parameters which are used to estimate costs will be left open to change by the user of the EXCEL tool developed. Assistance boxes will be available to provide useful information on ranges of parameters. The system will be as flexible as possible. The proposal was well received. Ivan Jankov suggested having assistance boxes which can be updated and reflect the limits of each technique. The costs should be defined for different pollutant inlet concentrations. For design, the use real waste gas flow rate was recommended.

For Biomass Co-Firing in LCP, there are few installations in Europe and data collection is quite difficult. Some smaller 100 % biomass combustion plants exist in Sweden. The aim of the methodology to be developed is to be able to estimate costs of reduction techniques for different rates of incorporation of biomass from 5 % to 20 %. Some additional information would be welcomed from existing Co-Combustion plants: NOx boiler outlet concentrations, the trend between NOx emissions and the N content of the fuel, the increased rate of deactivation of catalysts for applicable boiler types.

All information that can be provided by experts can be sent to Nadine Allemand and Simon Schulte Beerbuehl.

Next meeting: Paris (CITEPA office) on 22 November 2012