Combustion & Industry Expert Panel

Report to Plenary

Larnaca, 11 May 2010

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Draft Agenda

• 15:00 Opening by the co-chairs
• 15:05 Overview of EP activities in 2009-2010
• 15:20 Guidebook maintenance & improvement
• 15:50 NMVOC from solvent use
• 16:20 Industrial emission inventory improvement: case study Belarus
• 16:40 Non industrial combustion plants pilot study
• 17:00 Diffuse PM emissions
• 17:20 Work plan and prioritisation for 2010-2011
• 17:50 Any other business
• 18:00 End of meeting
Guidebook

• The C&I Expert Panel adopts the revised chapters 1.A.1, 1.B.2.a.iv and 1.B.2.a.v where changes have been made following comments by CONCAWE

• We support the idea of including specific methods used by countries in the Guidebook where appropriate.
  • Will be liaised with the development of the Emission Factor Library
  • Internet forum would be a good way to exchange information
Solvent use

• Norway is working on a study to try and develop methods applicable to other countries from their detailed NMVOC product register. The Expert Panel greatly acknowledges this effort.

• This work will be continued in cooperation with the Expert Panel, keeping in mind that the availability of activity data is a major issue for many countries.
Industrial emissions

- Belarus presented new developed methodologies and projects concerning
  - Nickel production
  - Cast iron production
  - Cement production
  - Lime production

- The Expert Panel thanks Belarus for this contribution and will consider the methodologies and results for inclusion in the Guidebook.
Non-industrial combustion plants

- In Italy (Genoa NUT3 area), a pilot study was conducted to estimate emissions using a detailed methodology (Tier 3) for the non-industrial combustion (SNAP 02) with the following steps:
  - Elaborate total fuel sold from statistical sources
  - Compute energy requirements on climatic areas by energy models based on temperature models and census data about fuel use
  - Compare energy requirements with fuel sold
  - Use census data and/or specific survey for fuel/technologies allocation (promote more detailed census data sheets)

- A Tier 3 tentative methodology will be developed next year for discussion in expert panel, and perhaps a national case study will be realized
Diffuse PM emissions

- PM emissions are underestimated in emission inventories. A significant part of these may be related to diffuse emissions, e.g. storage, handling and transport of materials. Currently the methodologies for these sources in the Guidebook are scarce.

- A lot of detailed (Tier 3 like) methodologies are available from US EPA AP 42 but specific procedure must be elaborated for derive Tier 1 and Tier 2 emissions factors.

- A Tier 3 tentative methodology will be developed next year for discussion in expert panel.
Work Plan 2011

• Solvent use: continue the work that Norway has started
  • Aim to improve the GB, but taking into account the limited availability of activity data in many countries
• Industrial emissions
  • Initiate/renew contacts with energy & manufacturing industry; check if/when new information will be available
  • Workshop to discuss the needs from compilers and what industry can do to help improving
• New detailed (Tier 3) methodology for non-industrial combustion plants
• Develop methodologies for estimating PM from diffuse sources
• Improve industrial chapters with Belarussian contributions

• Unfortunately, many of the actions are depending on the limited availability of funding to the C&I Expert Panel!!!