Update ongoing activities

Jeroen Kuenen & Carlo Trozzi

Co-chairs of the Expert Panel on Combustion & Industry

Stockholm, 2 May 2011
Cremation and animal carcasses (1)

- The subject was introduced by an email by Jan Kowalczyk (Canada), checking that the units for PAH in the chapter on cremation are correct.
- This triggered a discussion regarding this emission factor between the EP leaders and other people (Tinus, Martin)

- The old version of GB contains:
  - a chapter on cremation of bodies (B991), from which the Tier 1 of the new chapter has been extracted; and
  - a chapter on cremation of carcasses (B992), with no emission factors. Tier 2 emission factors
Cremation and animal carcasses (2)

- Tier 2 emission factors for TSP (total particulate only) in the actual chapter on cremation, for animal carcasses, are taken from the old Guidebook chapter on Open burning of agricultural wastes, where specific emission factors are given for the burn of cow and sheep using Air Curtain Incinerators.

- This is a result from the procedures used in revising the Guidebook and a moving of emission factors between chapters afterwards.

- To avoid further confusion regarding these emission factors, we recommend to remove them from the chapter.
Solvent use

› A workshop was held in early 2010 in Utrecht to discuss the need for improved emission estimates from the solvent use sector

› Statistics Norway has written a report describing their methods and some possibilities for linking this to the Guidebook
  › Report circulated to EP members at the end of 2010

› Industrial representatives attending the meeting are in the process of getting their people to make data available to inventory people
  › Process underway, but time-consuming because of confidentiality issues
Solvent use (2)

- A lot of validation activities are ongoing in Italy in the frame of national emission inventory; feedback from this activities will be used in 2011-2012 for a revision of the chapters; the updated chapters will be presented for adoption next year;
- A Tier 3 methodology has been developed in Italy for domestic use of solvents; this methodology will be inserted in the Guidebook and updated chapter will be presented for adoption next year;
Work plan 2011-2012

› Working on updating the chapters on solvent use
  › An updated methodology for domestic use of solvents from Italy
  › Take next steps in cooperation with the solvent industry to make production data available

› Use Eurelectric data and expertise to improve chapter on power plants

› Continue improving the Guidebook by addressing comments
  › If you find problems with the Guidebook, or if you have materials you consider useful for the Guidebook, please do not hesitate to contact the Expert Panel leaders
Work plan 2011-2012 (continued)

- Focus on wood combustion as priority sector for improvement
  - Explore and where possible implement detailed methodologies on how to estimate emissions in the Guidebook

- Focus on improving emission estimates for heavy metals and POPs
  - Also in view of the revision of the HM protocol

- Working on the assessment of uncertainties
  - What accuracy improvement do you get when using a higher Tier methodology?
  - What with different measurement techniques (e.g. for PM)?