# TFEIP Expert Panel on Combustion & Industry

## Newsletter - December 2010

### Another newsletter?!

As for the TFEIP as a whole, the Expert Panel on Combustion & Industry also has its own newsletter to inform the Expert Panel members about the progress and status of ongoing work, inform them on new developments, and ask for their feedback and comments. We as co-chairs consider this newsletter to be a valuable contribution to the communication within the Expert Panel. If you have any comments or ideas for this newsletter, please do not hesitate to contact the co-chairs.

### Expert Panel Member List

This newsletter is sent to the revised list of Expert Panel members, consistent of all people who attended a meeting or workshop organised by the Expert Panel on Combustion & Industry since early 2010. If you wish to be removed, or if you want your add a name to the list of members, then please contact Jeroen Kuenen.

### Conclusions from the Cyprus Meeting

All the presentations and the meeting minutes from the Expert Panel meeting (Larnaca, 10 May 2010) are available online.

### TFEIP website - forum

As you may already have seen, the TFEIP has launched a new website which also includes a discussion forum on which emission inventory experts and other experts can discuss and share their views on all aspects concerning emission inventories. We would like to encourage all of you to use this forum in an active way for any questions or issues you may have or discussions you may want to start!

For the moment, we as chairs have opened 3 discussion topics which were identified as key topics to investigate during the Cyprus meeting: solvent use, small combustion installations and diffuse PM sources. Please join in the discussion, share your views and present any documents or other types of information to the whole TFEIP community.

Just go to [http://tfeip-secretariat.org/forums](http://tfeip-secretariat.org/forums), create an account if you do not have one yet, and join the ongoing discussions. Also, we encourage you to open a new topic when you are having a question or problem you are having.
Small improvements and corrections

A number of errors, problems and possible updates have been reported to exist in the current version of the EMEP/EEA Guidebook. We have taken notice of all of these, correct chapters and flag issues where necessary. As the official Guidebook will only be updated every 3 years, we cannot make updates (except for correcting obvious errors) at this stage. However, we will make draft updated chapters available on the TFEIP webpage, so inventory compilers can use the latest available information in compiling their inventories. At the moment, there are no updated chapters available yet, but these will be made available early 2011. During the upcoming 2011 meeting of the TFEIP in Stockholm, we will discuss the updates during the Expert Panel meeting.

Emissions from solvent and other product use

A workshop on estimating national emissions from solvent and other product use was held in Utrecht in February 2010. Following this workshop, Statistics Norway has prepared a report in which the Norwegian method is described, but the report also describes options to somehow incorporate this information in the Guidebook in such a way that other countries can use it in their inventories. One of the key problems in this area is the availability of activity data. The report has been finalised this summer and is available here, but also on the TFEIP Combustion & Industry webpage. Please see also the discussion on this topic on the TFEIP website forum. By registering yourself on the TFEIP website, you can participate in the discussion on the forum.

Small combustion installations

As reported in the last TFEIP C&I meeting, a lot of problems arise when the current Guidebook methodology is used. A first group of problems are related to fuels and technologies as:
- fuel consumption split between residential and non-residential is not always available (for example for some east Europe area) particularly for some fuel (wood, coal);
- EFs are defined only for generic liquid fuels but single fuel differ significantly;
- fuel consumption split between technologies is not available, particularly in residential sector also if some statistical data about technology distribution can be available in member states;
- fuel consumptions split between technologies is not homogenous in the member states territories (difference between climatic region, urban vs. rural, …);
- no control procedure is available about estimated subdivision of fuel consumption by technologies and activities.

The following questions are relevant in this area:
- Are fuel consumptions allocated to the different activities? And, if yes, how it’s allocated.
- Are fuel consumptions allocated to the different technologies inside the activities? And, if yes, how it’s allocated.
- Are liquid fuels consumptions evaluated for the single fuels? And, if yes, what EFs are used?
- How the emissions are estimated (Tier 1 emission factors, Tier 2 emission factors, Tier 3)?

The Expert Panel co-chairs are working on this topic, but we would appreciate your views. We have opened a forum discussion intended as an instrument to share opinions, experiences, documents and other information. Please use this opportunity to give your feedback!
Diffuse sources of PM

As reported in the last TFEIP C&I meeting, models of transport of pollutants do not explain the measured concentrations of PM in Europe.

A possible cause of error is the existence of ghost emissions not evaluated in the inventories. A source of PM rarely assessed, and difficult to assess, is the storage and transportation of solid fuels, raw materials and waste.

As discussed in the meeting, it's very difficult to assess these activities with sufficient reliability for Tier 1 and Tier 2 and, also if specific activities can be developed to assess and define Tier 3 methodologies, it is very difficult to apply Tier 3 methodologies on national scale.

In conclusion some methods or models must be defined at Tier 3 level and procedure to derive EFs at Tier 1 and 2 must be introduced, while information from national inventories, if any, must be used.

The following questions are relevant in this area:
- Are diffuse emissions evaluated in national inventories?
- Are diffuse emissions taken into account in local inventory or local air quality studies?
- How the emissions are estimated (Tier 1 emission factors, Tier 2 emission factors, Tier 3)?

The Expert Panel co-chairs are working on this topic, but we would appreciate your views. We have opened a forum discussion intended as an instrument to share opinions, experiences, documents and other information. Please use this opportunity to give your feedback!