

## **Conclusions:**

1. Although significant progress has been made in understanding the chemistry of a number of VOC's more work is still needed, in particular, on the atmospheric degradation mechanisms of the aromatic hydrocarbons and oxygenated VOC's. The studies should consider multiphase processes including particle formation.
2. Experimental validation of emission data is urgently needed. The uncertainty in the emission inventory seems to be so large that any evaluation of progress in emission reduction becomes nearly impossible.
3. New measuring techniques now allow the mixing ratios for many trace substances to be determined in the pptV range, which can help to explore chemical processes by ambient measurements and also reveal new radical sources.
4. At future workshops i) more attention should be paid to the anthropogenic as well as to the natural emission sources; possibilities of data validation should be considered, ii) more consideration should be given to the budget of major trace substances with respect to multiphase processes, iii) more meteorological background knowledge should be presented, and iv) the important field of bio-fuels should be considered.
5. The participants concluded that further workshops should be organised and the following tentative plans were made: 2008 in Vienna, 2009 in Paris, 2010 in Cork and 2011 in Copenhagen.

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