

Rainer Steinbrecher,

## Highlights 2010



3<sup>RD</sup> GAW EXPERT WORKSHOP ON VOCs  
Helsinki, September 2010

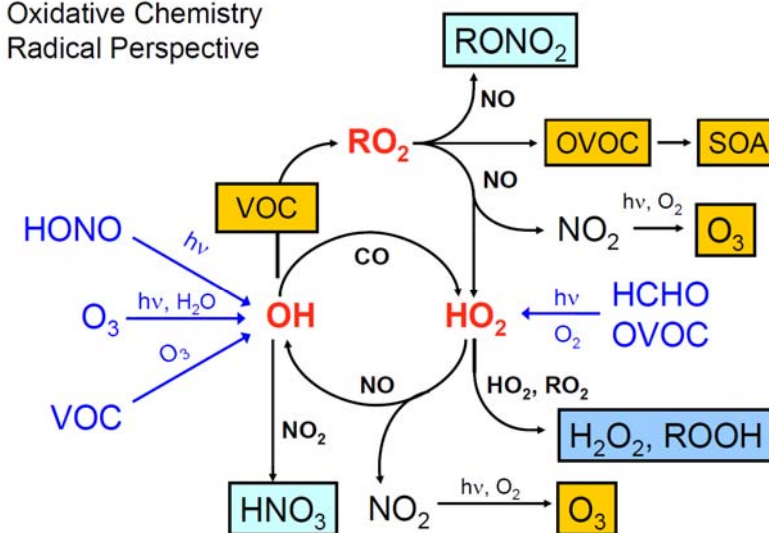


Agreement between WMO and NPL on hosting the CCL for NMHC



Completion of the ascertainment audits for NMHC of all facilities involved in global GAW-VOC monitoring (Status 2010) using the first CCL traceable VOC standard

Oxidative Chemistry  
Radical Perspective



From Hofzumahaus, 2010

# News Sub-SAG VOC: Focus CCL

From rapporteurs summaries

## GAW-VOC Central Facilities: Central Calibration Laboratory

	Reported - June 2010	Actions agreed	Date
<b>NMHC (ppb level)</b>	MoU in place	Traceability available to WCC and field stations	
<b>NMHC (sub-ppb level)</b>	NIST/NPL/VSL comparison completed	Continue with collaboration	
<b>Monoterpenes</b>	Stable standards of selected MTs at ppb levels from NPL and NIST Validation of absorption tube performance for selected components at VSL.	NPL-NIST comparison of 4 MT mixture + comparison with VSL dynamic facility	2010/11
<b>Formaldehyde</b>	VSL certification of commercial (Scott) standard at 5 ppm. Primary facility planned at BIPM	BIPM to lead key comparison	2011/2012
<b>DMS</b>	Stable standard prepared and validated by KRISS at 10 ppm	KRISS to compare 10 ppm standard with VSL dynamic standard	2010/11

## GAW-VOC Central Facilities: Central Calibration Laboratory

<b>Acetonitrile</b>	Stable standard prepared and validation underway by KRISS at 10 ppm	KRISS to continue with validation	
<b>oxy-VOC</b>	Stability trials at 1 to 10 ppm underway at NPL, VSL.	NPL-VSL-NIST to carry out comparison	2010/11
<b>Dilution methods</b>		To be discussed at future GAWG	2011
<b>Absorption tubes</b>		Survey of stations to determine requirements.	Summer 2010

Details are available in Presentations posted on:

[http://www.wmo.int/pages/prog/arep/gaw/GAW\\_VOC\\_Helsinki10.html](http://www.wmo.int/pages/prog/arep/gaw/GAW_VOC_Helsinki10.html)

Thanks to:

**Joële Viallon** Rapporteur

„Central Facilities : “Central Calibration Laboratories”

## To do:

- Check current status of progress
- Discuss pricing policy of reference standards
- Anything else?

Meeting in autumn this year of the Consultative Committee for



**Amount of Substance - Metrology in Chemistry:  
Working Group Gas Analysis (CCQM-GAWG).**



**Report on progress to GAW-VOC sub-group on next meeting  
to be fixed.**