

Programme of the 8th Workshop in the Series "Urban Air Quality and Traffic" in Paris, October 6 – 7, 2009:

"Multiphase Reactivity of Atmospheric VOCs and its Impact on Climate, Health and Materials"

Ecole Normale Supérieure – Salle Dussane - 45 rue d'Ulm, Paris

Monday, 5th of October 2009

17:00 Informal Get-together

Tuesday 6th of October 2009

8:30–9:00 Registration

9:00-9:30 Opening: K.H. Becker and J.F. Doussin

Field Studies of Atmospheric Pollutants

Chair: G. Le Bras

9:30-10:00 Diagnosis of air quality by Laser Induced Fluorescence technique: OH reactivity of VOC measured under several environments

Y. Kajii, Tokyo Metropolitan University, Tokyo, Japan

10:00-10:30 Evidence of the impact of deep convection on reactive VOC in the upper tropical troposphere of West Africa during AMMA

A. Borbon, CNRS – LISA, Créteil, France

10:30-11:00 **Coffee Break**

11:00-11:30 Summertime photochemical ozone formation in Santiago, Chile

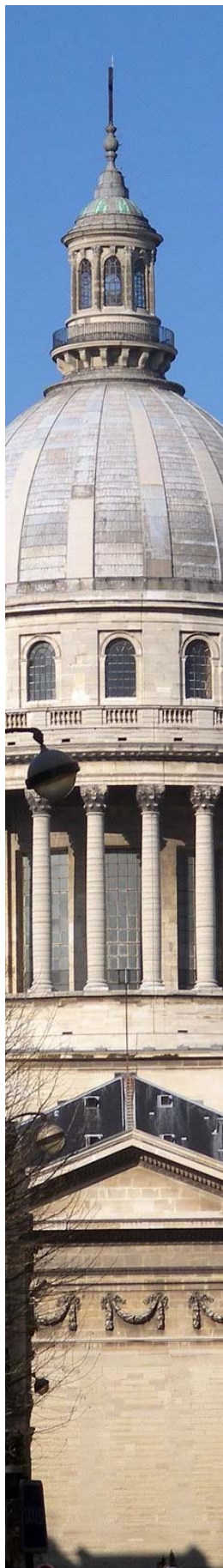
Y. Elshorbany, Bergische Universität Wuppertal, Wuppertal, Germany

11:30-12:00 Atmospheric VOCs variability and sources in Paris: results from the AEROCOV campaign (May-June 2007) and preliminary results from the MEGAPOLI campaign (July 2009)

V. Gros, CNRS LSCE, France

12:00 -14:00 **Lunch Break**





Impacts of Organic Species on Health and Materials

Chair: P. Wiesen

14:00-14:30 Health effect of organic species associated with fine and ultrafine particulate matter

F. Marano et.al., University-Paris 7, Paris, France

14:30-15:00 Volatile Organic Compounds in libraries atmosphere: Effects on the graphical cultural heritage

T-P. N'Guyen, French National Library, Paris, France

15:00-15:30 Reactions of ozone with human skin lipids: Sources of carbonyls, dicarbonyls, and hydroxycarbonyls in indoor air
A. Wisthaler et al, Institut für Ionenphysik und Angewandte Physik, Innsbruck, Austria

15:30-16:00 **Coffee Break**

Emissions

Chair : K.H Becker

16:00-16:30 Feedback of climate change to biological isoprene emission

R. Steinbrecher, IMK-IFU, Garmisch-Partenkirchen, Germany

16:30-17:00 European solvents industry actions on air quality, health and safety

D. Arns, CEFIC

Chemistry of Volatile Organic Compounds in the Gas Phase

Chair: E. Villenave

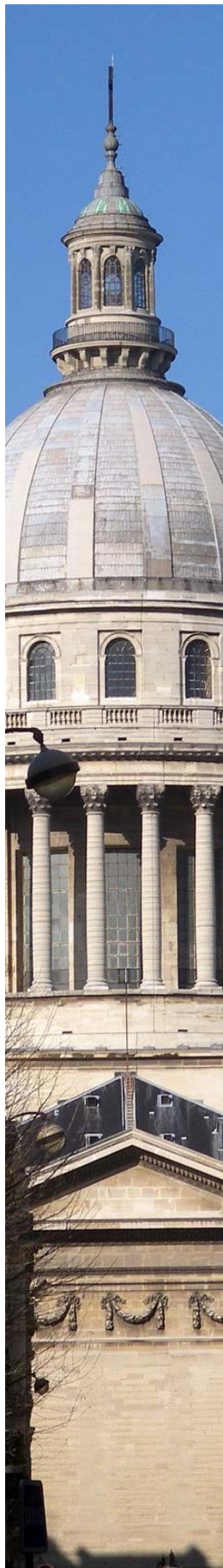
17:00-17:30 Uncertainties in Atmospheric Chemical Mechanisms

M. Pilling, University of Leeds, Leeds, United Kingdom

17:30-18:00 Atmospheric chemistry of alkyl methyl esters

I. Barnes, Bergische Universität Wuppertal, Wuppertal, Germany

20:00-23:00 **Invited dinner**



Wednesday, 7th of October 2009

Chemistry of Volatile Organic Compounds in the Gas Phase (Contd.)

Chair: E. Villenave

9:00-9:30 Atmospheric oxidation of unsaturated oxygenated organic compounds

H. Sidebottom, University College Dublin, Dublin, Ireland

9:30-10:00 Atmospheric Impact of HFO-1234yf (CF₃CF=CH₂)

T. Wallington, Ford Motor Company, Dearborn, USA

Multiphase Atmospheric Chemistry

Chair: J.F. Doussin

10:00-10:30 Organic aerosols in urban environments (Grenoble) : their sources and light induced reactivity

B. D'Anna, CNRS - IRCELYon, Lyon, France

10:30-11:00 **Coffee Break**

11:00-11:30 In-cloud chemistry of organic species

A. Monod, University of Marseille, Marseille, France

11:30-12:00 Physical chemistry of oxygenated Volatile Organic Compounds in ice and liquid/ice clouds - Application to the upper troposphere

S. Le Calve, University of Strasbourg, Strasbourg, France

12:00-14:00 **Lunch Break**

14:00-14:30 Recent IfT Leipzig multiphase chemistry studies : isoprene and terpene derived systems

H. Herrmann, IFT, CNR, Leipzig, Germany

Secondary Organic Aerosol: Formation, Aging and Effects

Chair: M. Pilling

14:30-15:00 The Impact of Secondary Organic Aerosol on the State of the Atmosphere

B. Vogel, IMK, Karlsruhe, Germany



15:00-15:30 Aging processes in Secondary Organic Aerosol
J. Dommen, Paul Scherer Institute, Villigen, Switzerland

15:30-16:00 Chemistry of secondary organic aerosol:
Hydroxy radical initiated aging of SOA – A detailed chemical
analysis
T. Hoffmann, Johannes Gutenberg-Universität, Mainz, Germany

16:00-16:30 The atmospheric degradation of naphthalene:
mechanism and SOA formation,
J. Wenger, University College Cork, Cork, Ireland

16:30-17:00 **Coffee Break**

17:00-17:30 Final Discussion: K.H. Becker and G. Le Bras

Booking Information for Hotels (immediate booking is recommended)
For any additional information contact the local organising committee:
Pr. Jean-Francois Doussin : doussin@lisa.univ-paris12.fr
Dr. Emilie Perraudin : perraudin@lisa.univ-paris12.fr
Dr. Yasmine Katrib : katrib@lisa.univ-paris12.fr

Accommodation at walking distance (non-exhaustive list)

3 stars

Hotel Residence Henri IV ★★☆☆

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Hotel Best Western Le Jardin de Cluny

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2 stars

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