



Ispra (Italy), 23th September 2021

Agenda

Mitigation and forestalling of Secondary Aerosol formation. The role of vehicle emissions.

22 -23 -24 September 2021

- The workshop session will be from 11:00h to 16:00h (CET) with a lunch break from 12:30 to 13:30h.
- Each speaker will have 20 min for the presentation + 10 min for Q&A. At the end of the day we will hold a short round table to extract some conclusions & recommendations out of each session.
- During the sessions we will use a slido.com link to share questions with the participants.
- The workshop will be fully virtual and the sessions will be video recorded.

Day 1 – Wednesday, 22nd September 2021		
<ul style="list-style-type: none">• Emissions and SA formation (experimental evidences), atmospheric processes. <p>https://ec.europa.eu/jrc/en/event/workshop/workshop-secondary-aerosol-formation</p>		
Time (CET)	Title	Speaker
10:45	Welcome coffee for speakers	DG - JRC & DG – ENV (Ispra Italy and Brussels)
11:00	Opening of the workshop to participants	
11:30	Road transport – Past, current, and future emissions factors – Application to France	Jean-Marc ANDRE Citepa – France
12:00	Issues with condensable organics in European PM2.5 emissions; key messages and follow-up from an expert workshop organised by EMEP MSC-W	David Simpson Norwegian Meteorological Institute
12:30	Lunch break	
13:30	The Synergistic Role of Sulphuric Acid, Bases, and Oxidized Organics Governing New-Particle Formation in Beijing	Federico Bianchi University of Helsinki - Finland
	Recent developments on SVOC/IVOC as “condensable species” emissions leading to SOA formation	Bertrand BESSAGNET European Commission, Joint Research Centre (JRC), Ispra, Italy
14:30	Road vehicles as a source of national and urban ammonia emissions	David Carslaw Department of Chemistry,

		University of York, UK
15:00	Coffee break	
15:15	<i>Round table - discussion & conclusions of the 1st session</i>	All speakers & Participants Moderator - DG ENV
16:00	End of the 1st session	

Day 2 – Thursday, 23rd September 2021

- Instrumentation for analysis and characterization of PA, SA (on-line & coupled instruments) and study of the aging of aerosol in smog chamber and/ or aerosol Flow tube.

Time (CET)	Title	Speaker
11:00	Field Studies of Road Traffic Emissions and Estimates of Secondary Pollutant Formation	Roy M Harrison University of Birmingham, United Kingdom
11:30	In situ measurements of emissions and evolutions of particles from road traffic	Boris Vansevant EASE, University Gustave Eiffel, Bron, 69500, France
12:00	Secondary emissions formed by diesel and gasoline Euro5 passenger vehicles emissions	Kostenidou Evangelia, Aix-Marseille Université, UMR 7673 CNRS, LCE, Marseille, France
12:30	Lunch break	
13:30	Towards realistic engine emissions and oxidation chemistry in smog chambers	James Allan The University of Manchester, UK
14:00	Oxidative Properties of Secondary Organic Aerosol as a Potential Particle Toxicity Metric	M. Kalberer, University of Basel, Department of Environmental Sciences, Switzerland
14:30	Atmospheric nanoparticles in urban environment	T.Petäjä, Institute for Atmospheric and Earth System Research (INAR) / Physics, Faculty of Science, University of Helsinki / Finland.
15:00	Coffee break	
15:15	<i>Round table - discussion & conclusions of the 2nd session</i>	All speakers & Participants Moderator - DG ENV

16:00	End of the 2 nd session.	
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Day 3 – Friday, 24th September 2021		
<ul style="list-style-type: none"> Source apportionment and modelling of SOA and/or SIA at urban and regional scales. 		
Time (CET)	Title	Speaker
11:00	Source-allocation methods in regional and urban models - main differences and recommended uses	Leonor Tarrason, NILU, Norway.
11:30	Dominant role of meteorology in the near-surface ozone enhancements over Europe during the COVID-19 lockdown in early spring 2020	Carlos Ordóñez, Departamento de Física de la Tierra y Astrofísica, Facultad de Ciencias Físicas, Universidad Complutense de Madrid (UCM), Madrid, Spain
12:00	Secondary organic aerosol (SOA) composition, formation and evolution in Indo-Gangetic plain	S. N. Tripathi Department of Civil Engineering; Indian Institute of Technology - Kanpur
12:30	Lunch break	
13:30	The contribution of vehicle emissions to secondary aerosol concentrations across Europe? Results from the recent Clean Air Outlook	Jens Borcken-Kleefeld, Energy, Climate, and Environment (ECE) Program; IIASA
14:00	Influence of traffic on particle concentrations in cities	Karine Sartelet CEREA, Ecole des Ponts, France
14:30	From the lab to the field, measuring and quantifying vehicle impacts to primary and secondary aerosol using aerosol mass spectrometry	P.F. DeCarlo, Department of Environmental Health and Engineering Johns Hopkins University Baltimore, MD USA 21218
15:00	Coffee break	
15:15	Round table - discussion & conclusions of the 3 rd session	All speakers & Participants Moderator - DG ENV
16:00	Conclusions and follow up. End of the workshop.	