
ANDRÉ PREVOT

CV

PARTICIPANT AT:

URBAN AIR QUALITY: THE CHALLENGE OF NON-EXHAUST ROAD TRANSPORT EMISSIONS

July, 11th and 12th, 2013, Barcelona

André Prévôt, Head of the Gasphase and Aerosol Chemistry Group in the Laboratory for Atmospheric Chemistry at the [Paul Scherrer Institute](#), Switzerland

André Prévôt, Ph.D., has been working in the field of atmospheric science more than 20 years. Since 2000 he is leading a research group with currently more than 20 members. The research foci include: 1) Characterization of the pollution and sources in the troposphere. The advanced instrumentation includes aerosol mass spectrometry, proton transfer reaction mass spectrometry, rotating drum / synchrotron x-ray fluorescence and ¹⁴C analyses by accelerator mass spectrometry in collaboration with the University of Berne. 2) Study of secondary organic aerosol formation from various exhausts and individual molecules in mobile and stationary smogchambers and oxidation flowtubes. 3) Regional modelling of particulate matter and ozone chemistry on European Scale. He has co-authored more than 160 peer-review journal articles which include more than 5000 citations. His h-index is currently 38. He has been involved in more than 50 national and international projects. Relevant for the topic of the meeting are statistical analyses of monitoring data including the evaluation of trends and meteorological influences. The combination of rotating drum and synchrotron x-ray fluorescence has allowed the assessment of the coarse chemical composition at hourly resolution to derive the non-exhaust contribution of traffic and other sources.

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