

# Environmental Science: Atmospheres

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### Cover

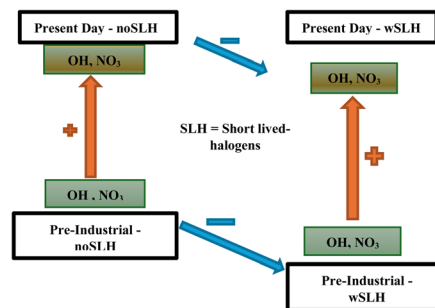
See Alfonso Saiz-Lopez *et al.*, pp. 547–562. Image reproduced by permission of Alfonso Saiz-Lopez from *Environ. Sci.: Atmos.*, 2025, 5, 547.

## PAPERS

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### Key role of short-lived halogens on global atmospheric oxidation during historical periods

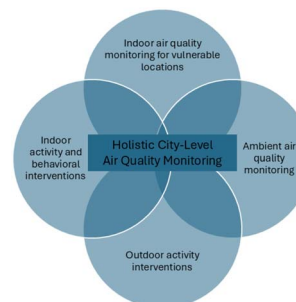
Adriana Bossolasco, Rafael P. Fernandez, Qinyi Li, Anoop S. Mahajan, Julián Villamayor, Javier A. Barrera, Dwayne E. Heard, Carlos A. Cuevas, Cyril Caram, Sophie Szopa and Alfonso Saiz-Lopez\*



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### Indoor penetration of ambient particulate pollution in a hospital maternity ward in Manila, Philippines: perspectives towards holistic city-level air quality management

Colleen Marciel F. Rosales,\* Everlyn Gayle Tamayo, Dana Lightha Babela and Maria Preciosa Benjamin



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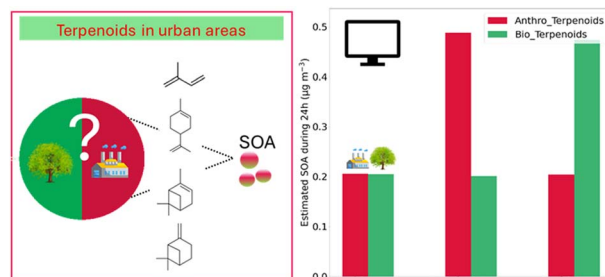
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## Investigating the role of anthropogenic terpenoids in urban secondary pollution under summer conditions by a box modeling approach

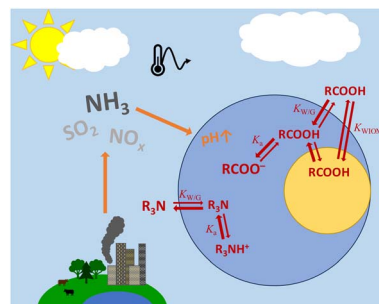
M. Farhat, L. Pailler, M. Camredon, A. Maison, K. Sartelet, L. Patryl, P. Armand, C. Afif, A. Borbon\* and L. Deguillaume\*



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## Assessing pH- and temperature-dependence in the aqueous phase partitioning of organic acids and bases in the atmosphere

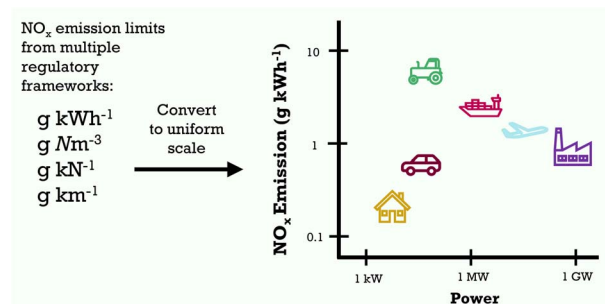
Olivia M. Driessen\* and Jennifer G. Murphy



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## Evaluating the variability and consistency of NO<sub>x</sub> emission regulation between sectors

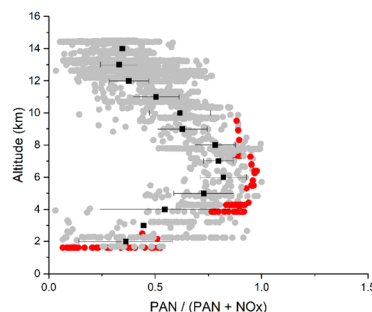
Lucy J. Webster,\* Alastair C. Lewis and Sarah J. Moller

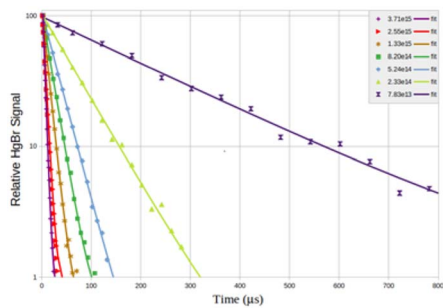


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## Peroxy acetyl nitric anhydride (PAN) and peroxy acetic acid (PAA) over the Atlantic west of Africa during CAFE-Africa and the influence of biomass-burning

John N. Crowley,\* Raphael Dörich, Philipp Eger, Frank Helleis, Ivan Tadic, Horst Fischer, Jonathan Williams, Achim Edtbauer, Nijing Wang, Bruna A. Holanda, Mira Poehlker, Ulrich Pöschl, Andrea Pozzer and Jos Lelieveld





## A pulsed laser photolysis – pulsed laser induced fluorescence study of the kinetics and mechanism of the reaction of HgBr with NO<sub>2</sub> and O<sub>2</sub>

Dieter Bauer, Deanna Donohoue and Anthony Hynes\*

