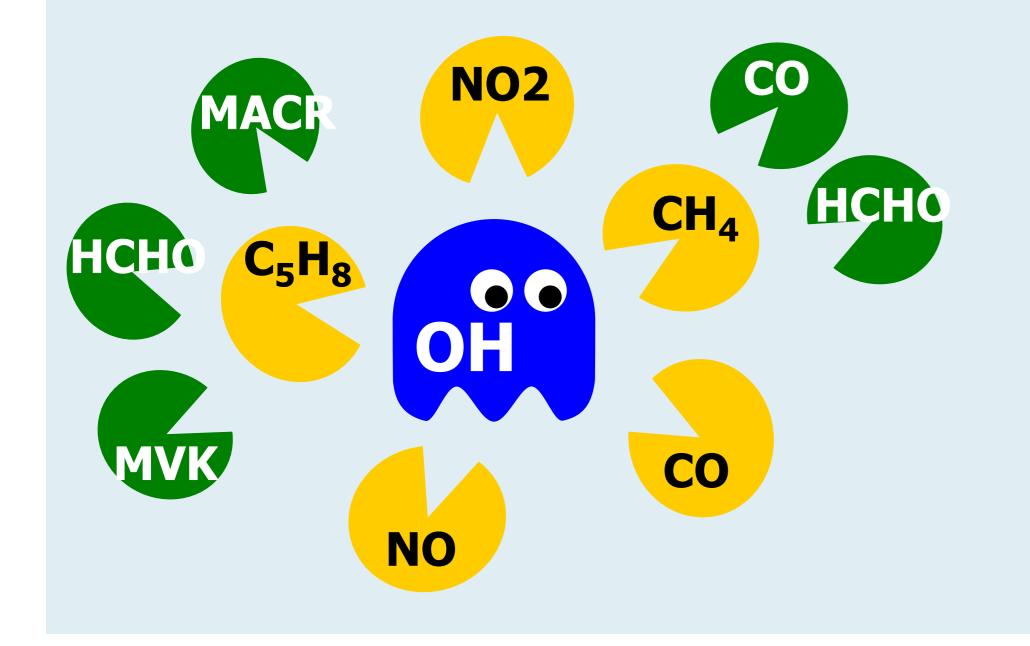


VOC Source Attribution of OH, O₃ and NO₃ Reactivity

Jane Coates and Tim Butler

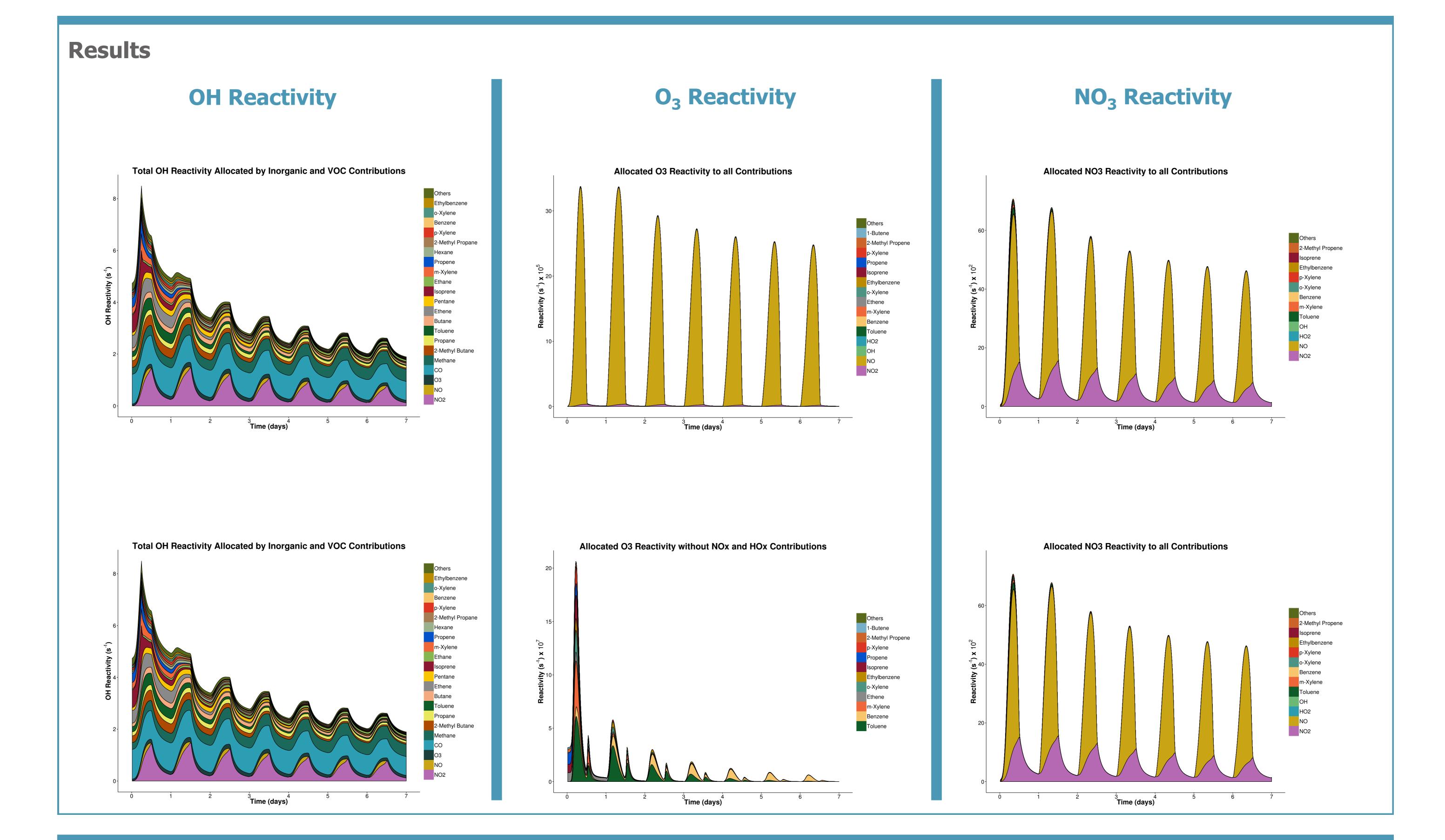
Objective

Allocate impact of VOC and degradation products on total oxidant reactivities.



Approach

► Tagged Ozone Production Potentials (TOPPs) [1] calculated over 7 days for VOCs common to urban environments.



Summary

▶ Near-explicit mechanisms have higher O_x production than less-explicit mechanisms.

References

[1] T. M. Butler, M. G. Lawrence, D. Taraborrelli, and J. Lelieveld. Multi-day ozone production potential of volatile organic compounds calculated with a tagging approach. Atmospheric Environment, 45(24):4082–4090, 2011.

The IASS is sponsored by







