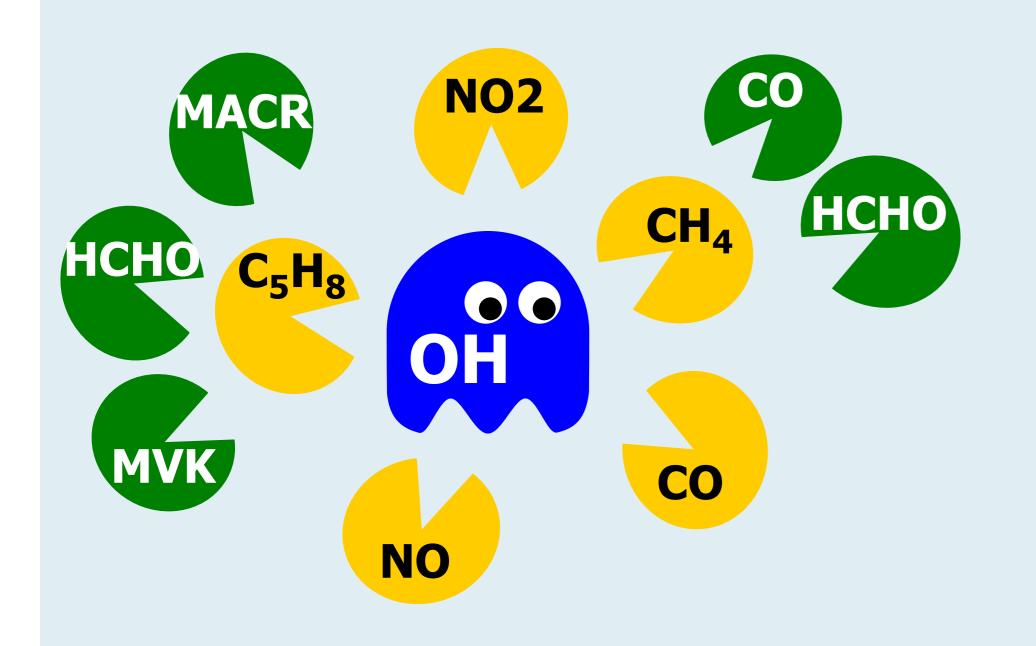


VOC Source Attribution of OH, O₃ and NO₃ Reactivity

Jane Coates and Tim Butler

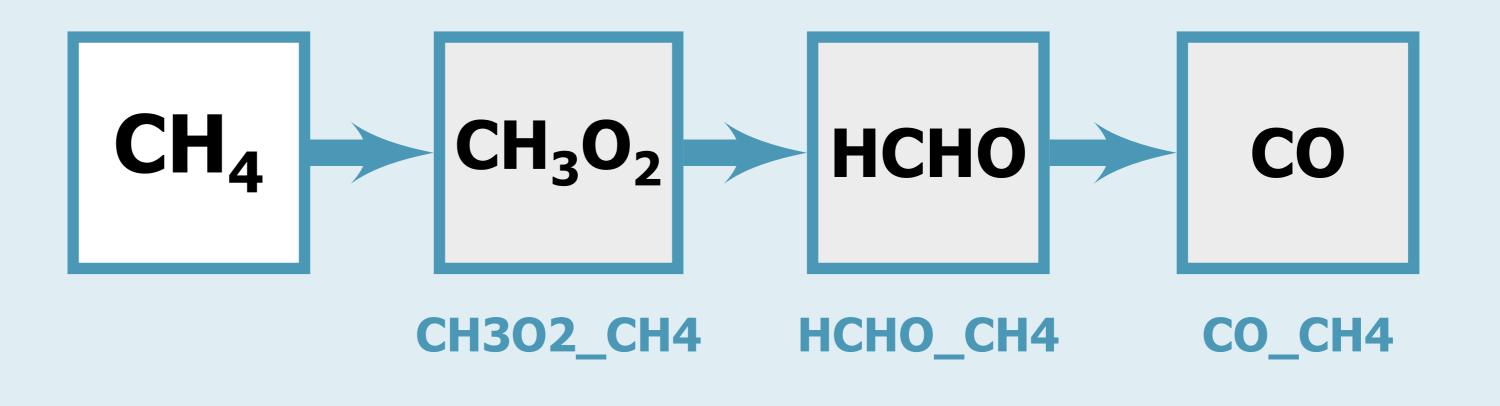
Objective

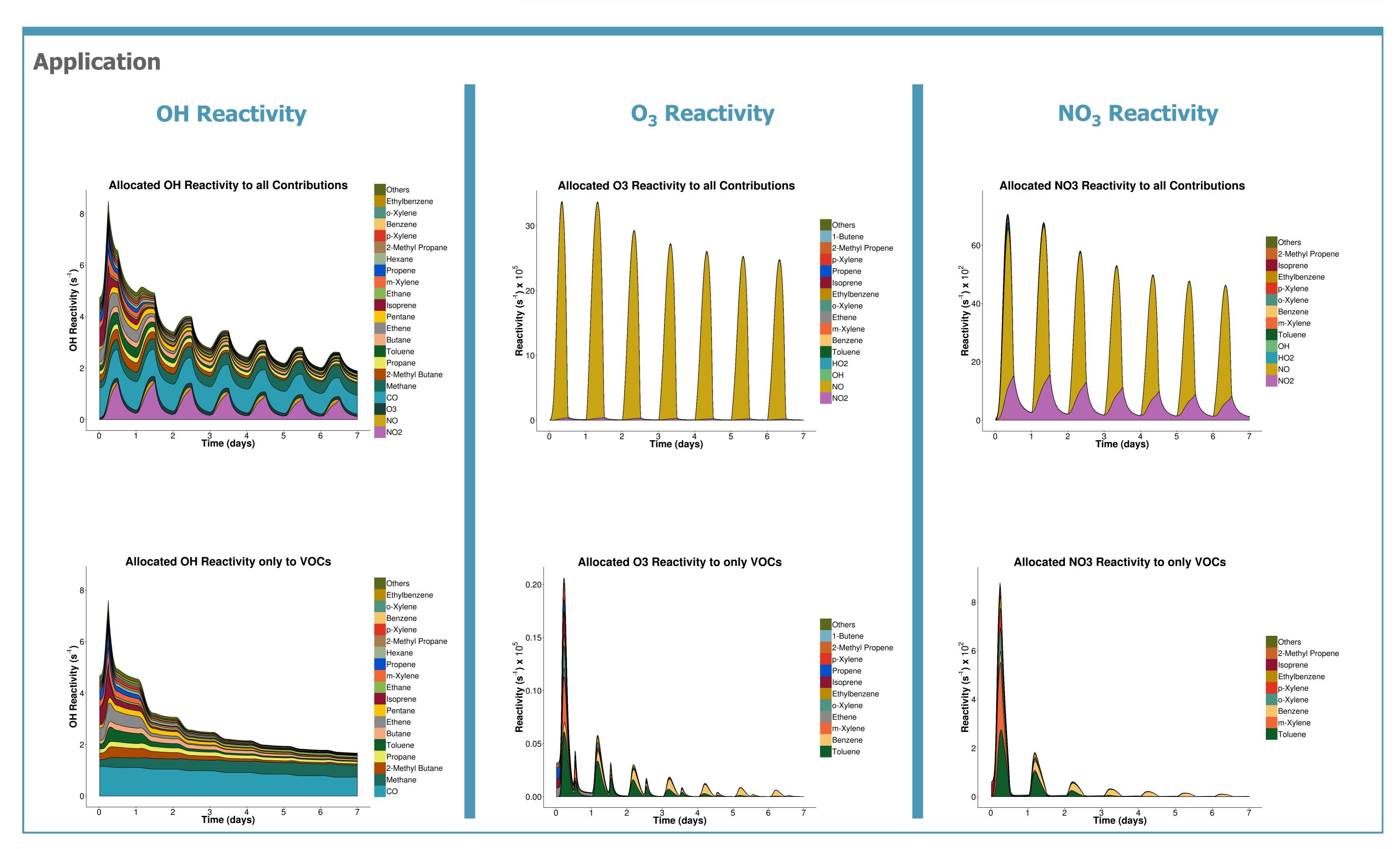
Determine VOC and degradation products impacts on total oxidant reactivities.



Approach

- ▶ Tagging the chemical mechanism (MCM v3.2) [1] allows reactivity allocation back to emitted VOC.
- ▶ Can be used for any atmospheric oxidant (OH, O_3 , NO_3 and others).





Summary

- Tagging chemical mechanisms allows VOC attribution of atmospheric oxidant reactivities.
- Entire VOC impact, including degradation products, are accounted.

References

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