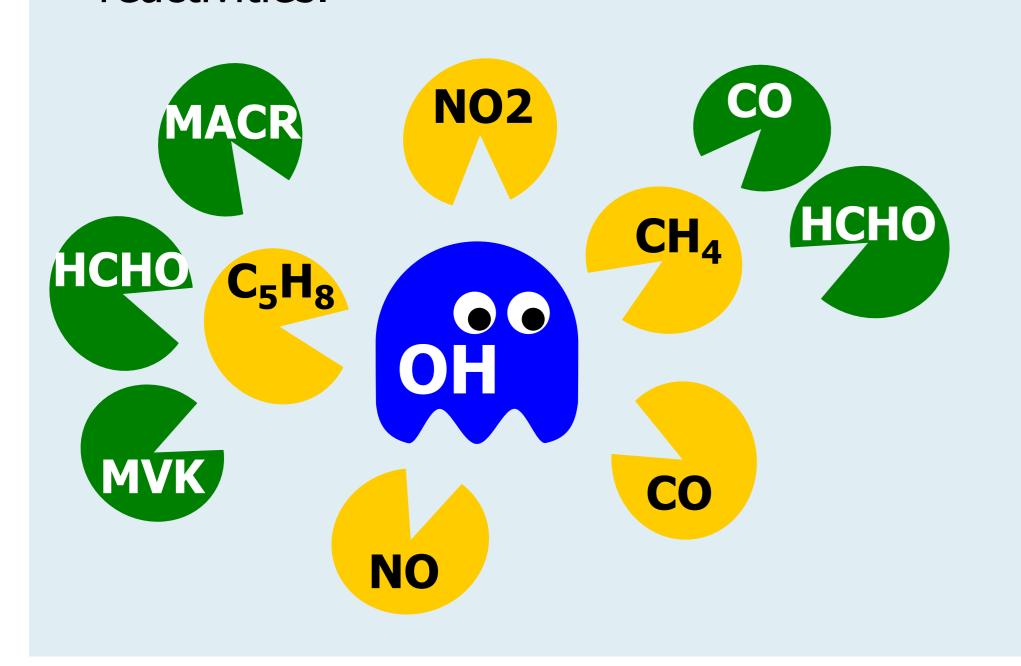


VOC Source Attribution of OH, O₃ and NO₃ Reactivity

Jane Coates and Tim Butler

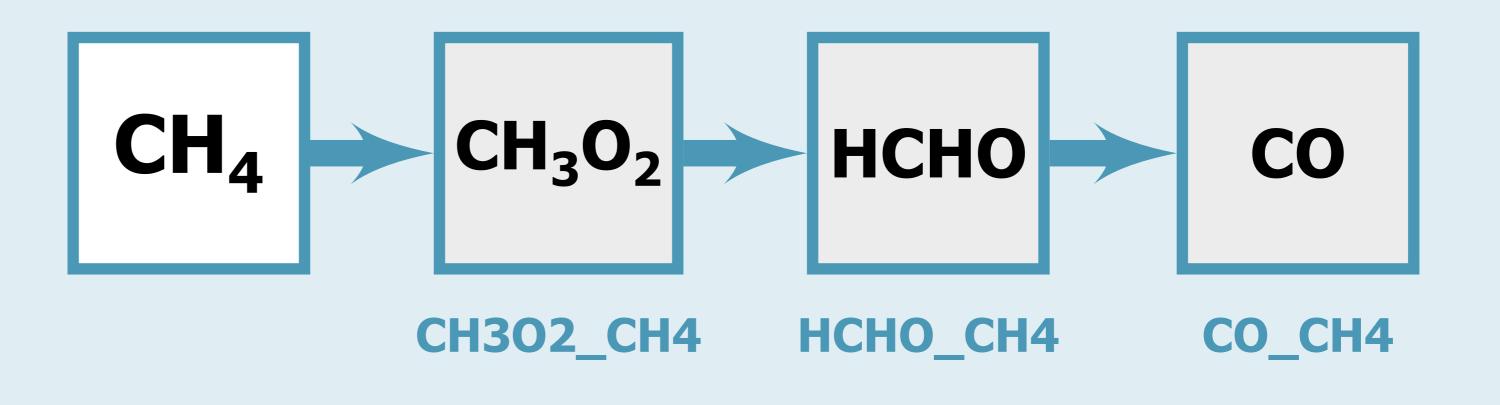
Objective

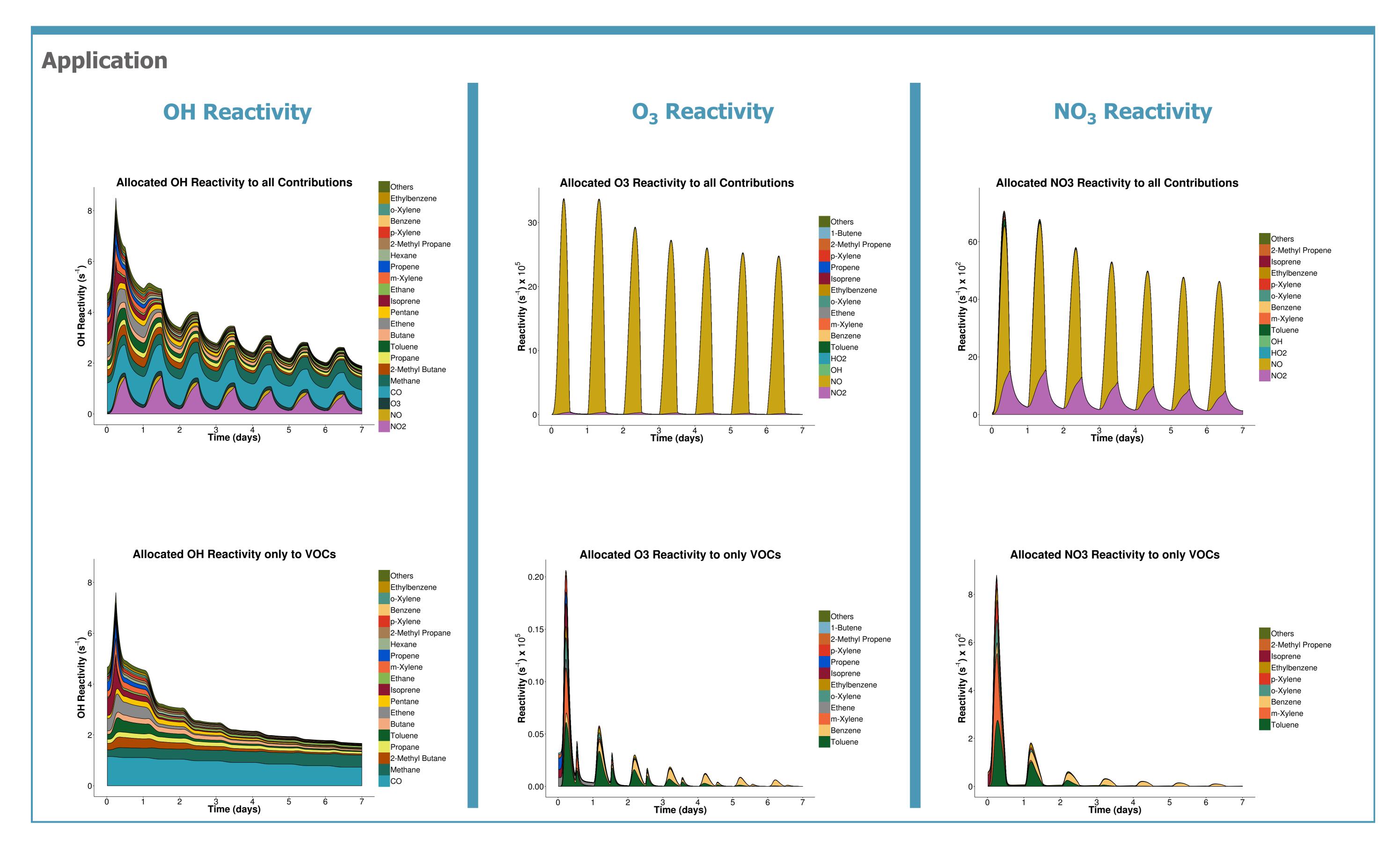
Determine total VOC impacts on oxidant reactivities.



Approach

- ▶ Chemical mechanism tagging [1] allows reactivity allocation back to emitted VOC.
- ► Tagging used to calculate many atmospheric oxidant reactivities (OH, O₃, NO₃ and others).





Summary

- ▶ Tagging chemical mechanisms allows source attribution of atmospheric oxidant reactivities.
- ▶ Reactivity attribution to emitted VOCs separated from inorganic contributions.

References

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