



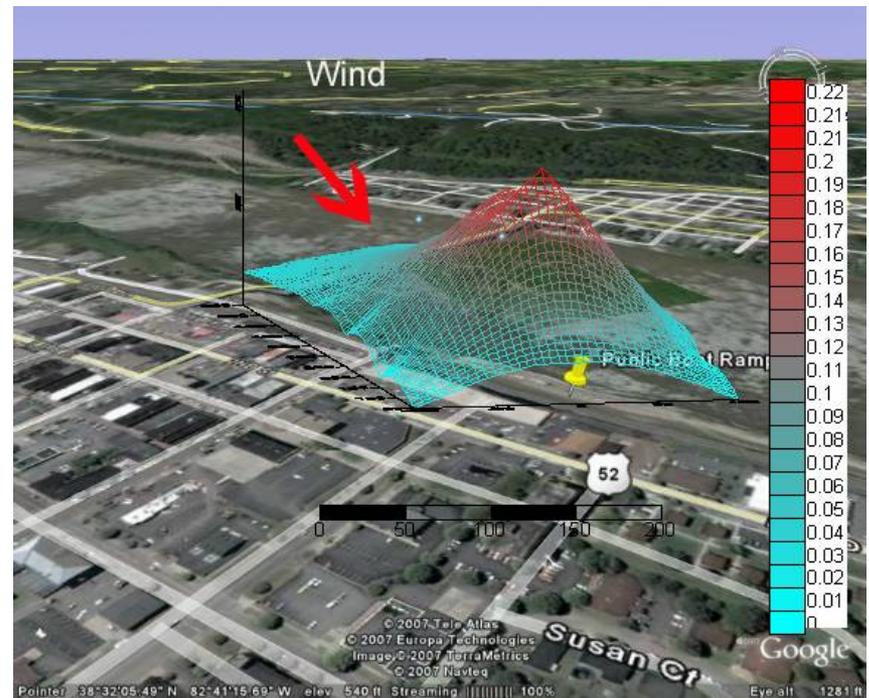
Flux Lab for the Atmospheric Measurement of Emissions (FLAME)

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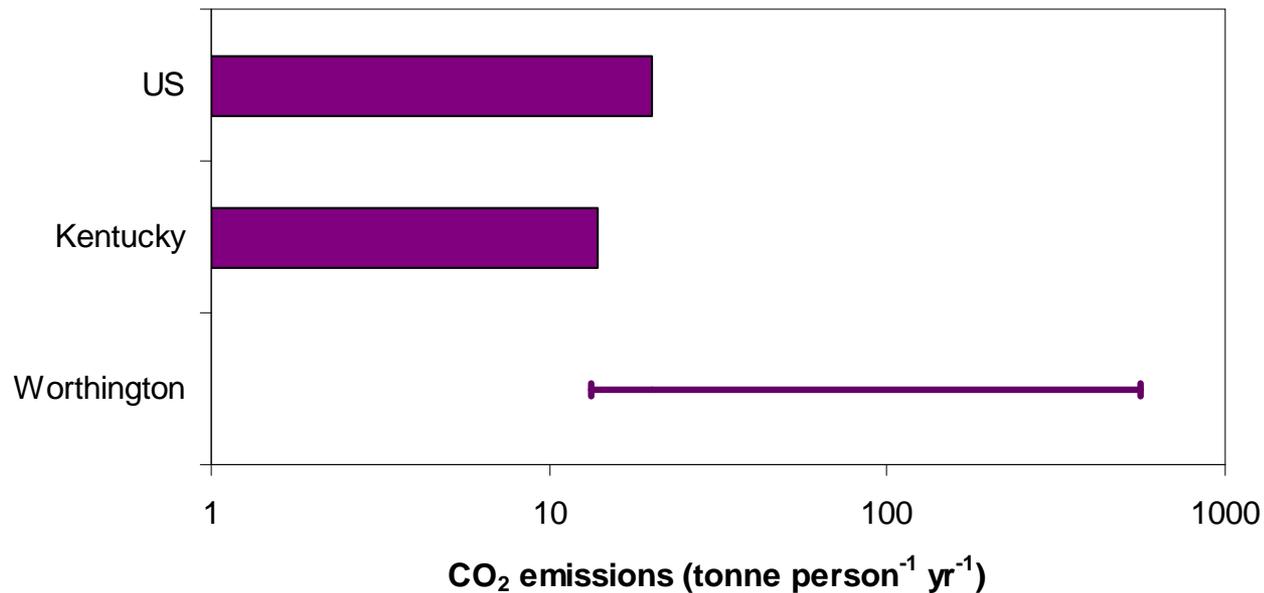
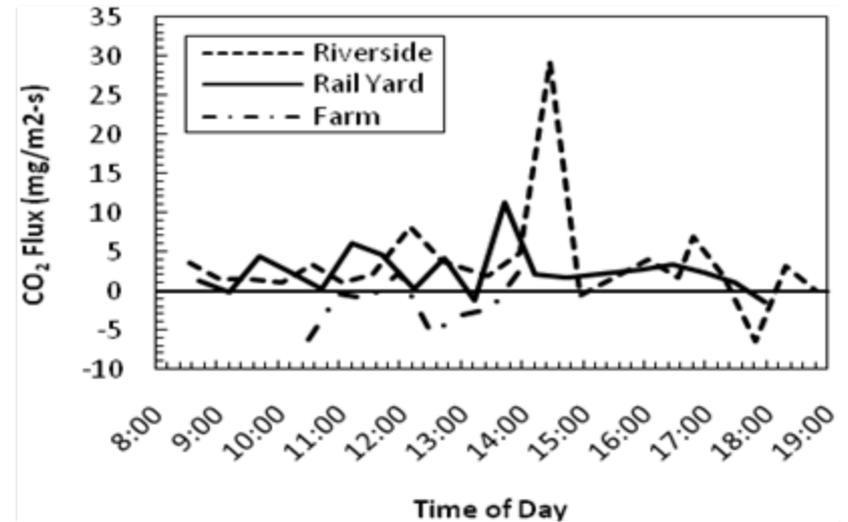
Mobile Eddy Covariance Lab

- Direct measurement of surface-atmosphere exchange fluxes
- 14.5 m mast
- Sonic anemometer
- ≥ 1 Hz CO_2 , NO_x , PM
- VOC by relaxed eddy accumulation
- Other fast instruments welcome

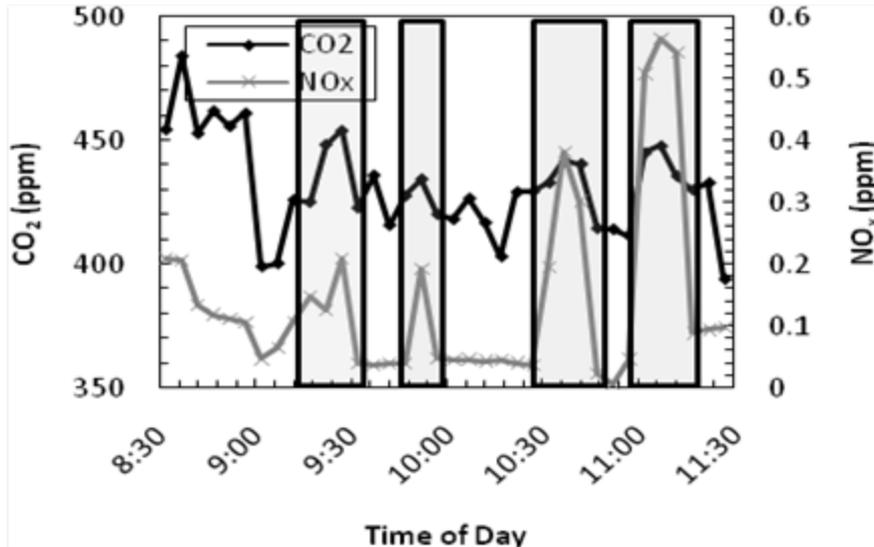


Flux Capabilities

- 1) Measure area-wide emissions directly
- 2) Improve emission inventories



Additional Capabilities



1) Calculate fuel-based emission factors in mobile source plumes

2) Derive source profiles and contributions by PMF

