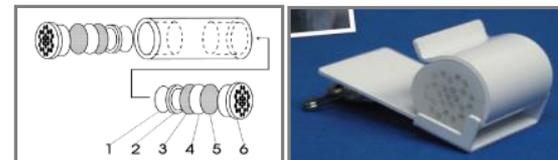
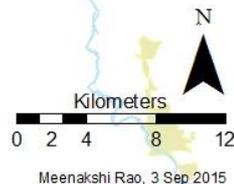


NO₂ in Portland-Vancouver: LURF

- ▲ Summer & winter sites
- ▲ Summer only sites



Winter (82 sites): 13th – 27th Feb 2014
Summer (174 sites) : 23rd Aug – 6th Sep 2013

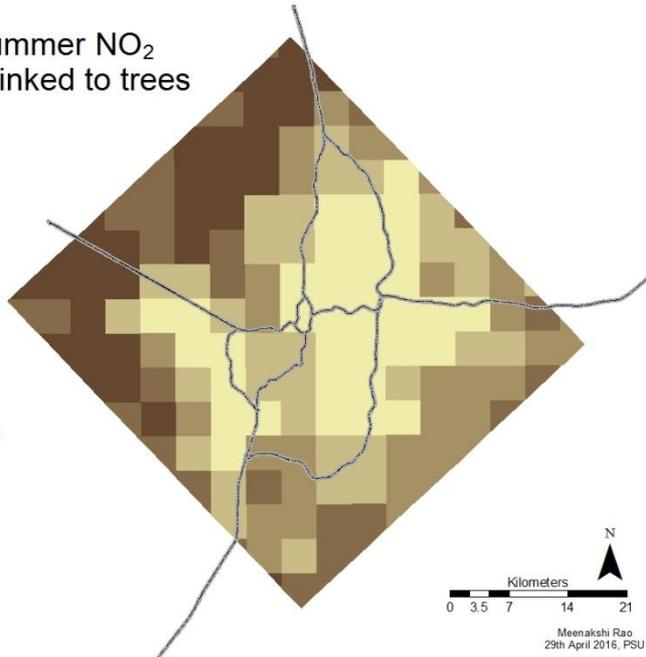
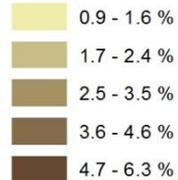


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Role of Trees on NO_2 Deposition

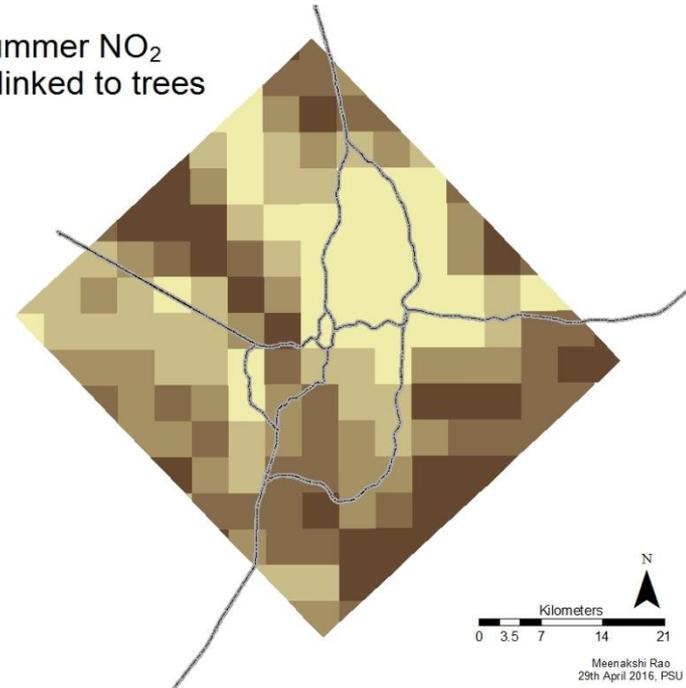
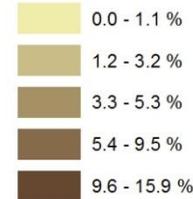
CMAQ: Summer NO_2
% reduction linked to trees

% decrease NO_2



LURF: Summer NO_2
% reduction linked to trees

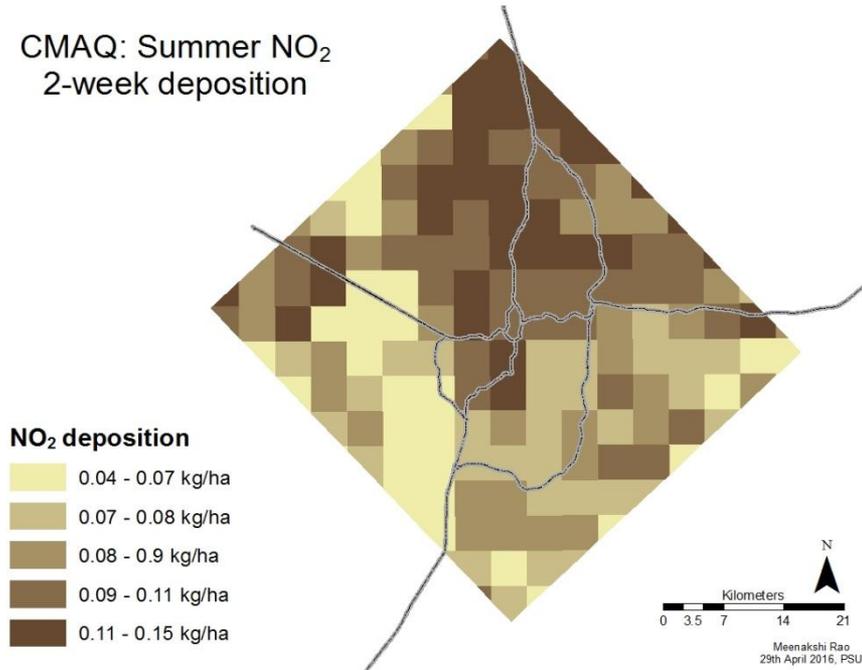
% decrease NO_2



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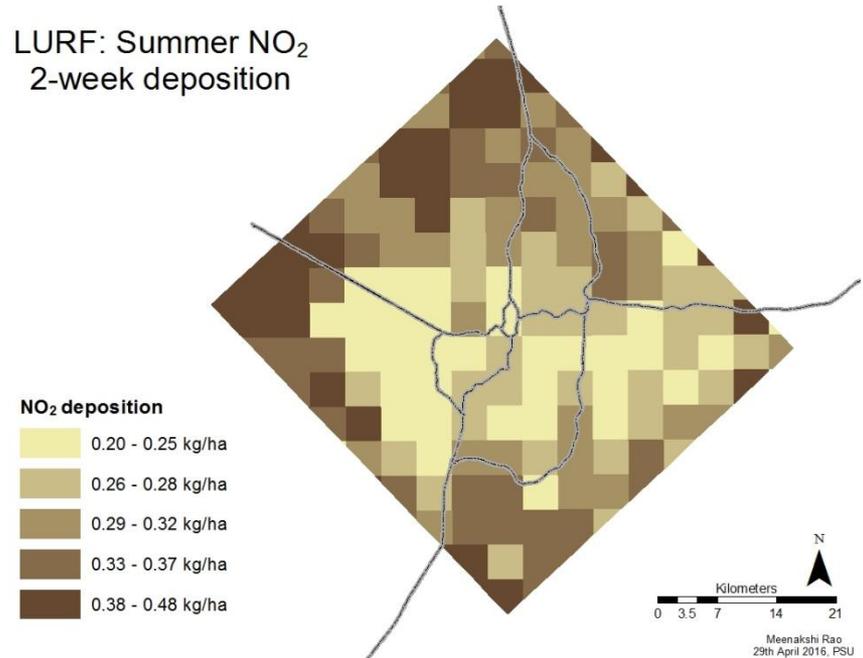
Role of Trees on NO₂ Deposition

CMAQ: Summer NO₂
2-week deposition



CMAQ: 23 tons of NO₂ deposited

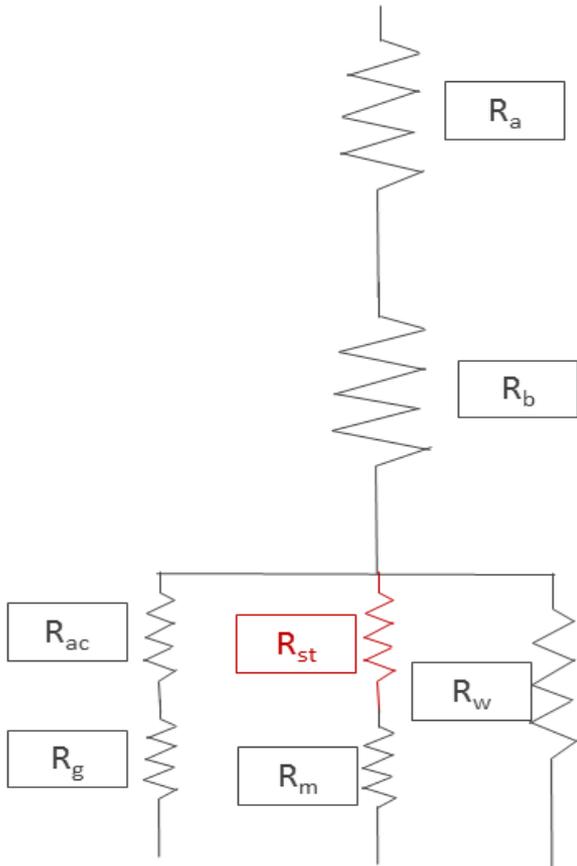
LURF: Summer NO₂
2-week deposition



LURF: 82 tons of NO₂ deposited

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Role of Trees on NO_2 Deposition



	No uptake by trees	0.1 x Current uptake	0.5 x Current uptake	Current uptake	2 x Current uptake	10 x Current uptake	LURF
NO_2 (ppb)	5.1	5.0	4.9	4.8	4.7	4.0	9.5
NO_2 dep kg/day	160	480	1280	2080	3360	7680	5760
O ₃ (ppb)	8.7	7.5	7.2	6.6	6.5	4.8	---

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Questions?



Source: National Geographic | TRAVELER Photo Contest 2013