

Barriers and Opportunities for Connecting NASA Data with Public Health Stakeholders

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Barriers

Knowing the data exists

Exposure assessment is weakest link

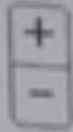
Politics

Air Quality Data currently reported by countries

Air Quality-Health-Climate Change

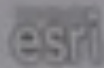
Maps ▾

Graphs



HUGE GAPS!



United Nations Cartographic Section 

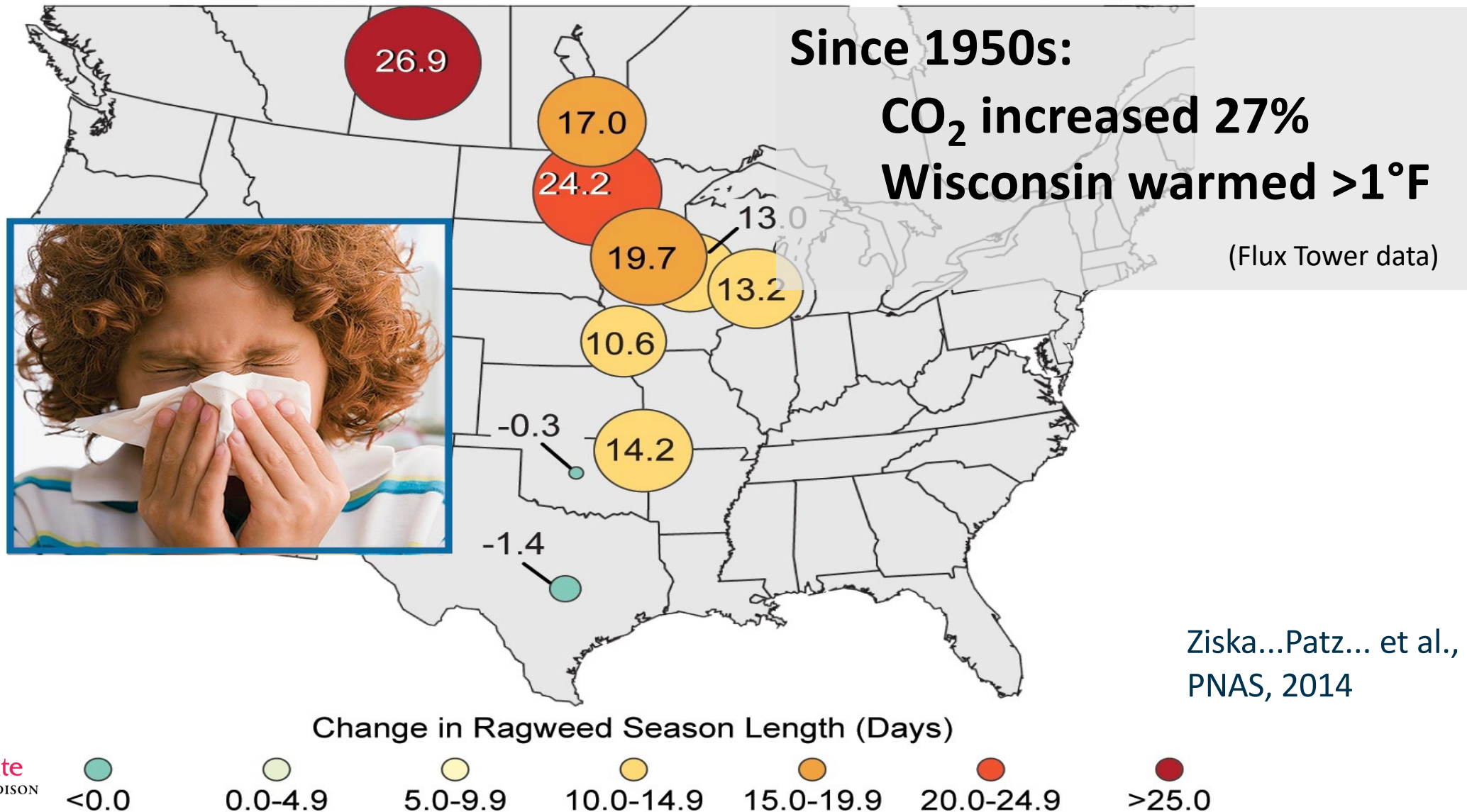
Legend

• 0 - 50 • 50 - 100 • 100 - 150 • 150 - 200 • 200 - 300 • 300 - 1000

<http://uneplive.org/>

Priyanka deSouza
presenting yesterday
at HAQAST

Warming, CO₂ and ragweed season



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Politics

Current health impacts of fossil fuel combustion

- **Outdoor air pollution** → 3.7 million deaths/yr – mostly from urban exposures
- **Indoor air pollution** → 4.3 million deaths/yr – mostly from inefficient biomass and coal cookstoves

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Politics

When US Embassy released Beijing pollution data

China pollution: Trouble in the air

Roused by public protests and air-quality tweets from the US embassy, China has vowed to challenge its growth model



Smoke and mirrors: Beijing battles to control smog message

David Stanway, Sue-Lin Wong

7 MIN READ



SHANGHAI/BEIJING (Reuters) - In its 'war' on hazardous air pollution, China's government has a dilemma: it needs to be open about air quality data to hold polluters to account, but worries that too much bad news from alternative, independent sources could stoke public unrest.

Opportunities

Health agencies have air pollution data regulations but no data for enforcement.

Health researchers and NGOs (e.g. Co. Health Rankings, Am. Lung Assoc, etc. need better spatial coverage of air pollution data.

First pollution monitors for Addis Ababa

