Air Pollution and Health in Nairobi

Media Workshop: Reporting on Sources, Impact and Solutions

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27 February 2024 | Sarova Stanley, Nairobi

STATE OF GLOBAL AIR

An emerging concern?

Air pollution in fast-growing African cities presents a risk of premature death

Published: June 14, 2022 10.37am EDT

INSIDE DEVELOPMENT | FOCUS ON: PEOPLE AND THE PLANET

Africa's air quality problem: Old cars and no data

*By **Anca Gurzu** // 26 April 2021*

Road Safety

Reclaiming the Streets: Addis Ababa, Other African Cities Launch Car-Free Days

By Iman Abubaker April 22, 2019

https://theconversation.com/air-pollution-in-fast-growing-african-cities-presents-a-risk-of-premature-death-183944
https://www.devex.com/news/africa-s-air-quality-problem-old-cars-and-no-data-99744

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Air Pollution – Same Problem, Different Place

London (1952)

Shanghai (2013)

Nairobi?

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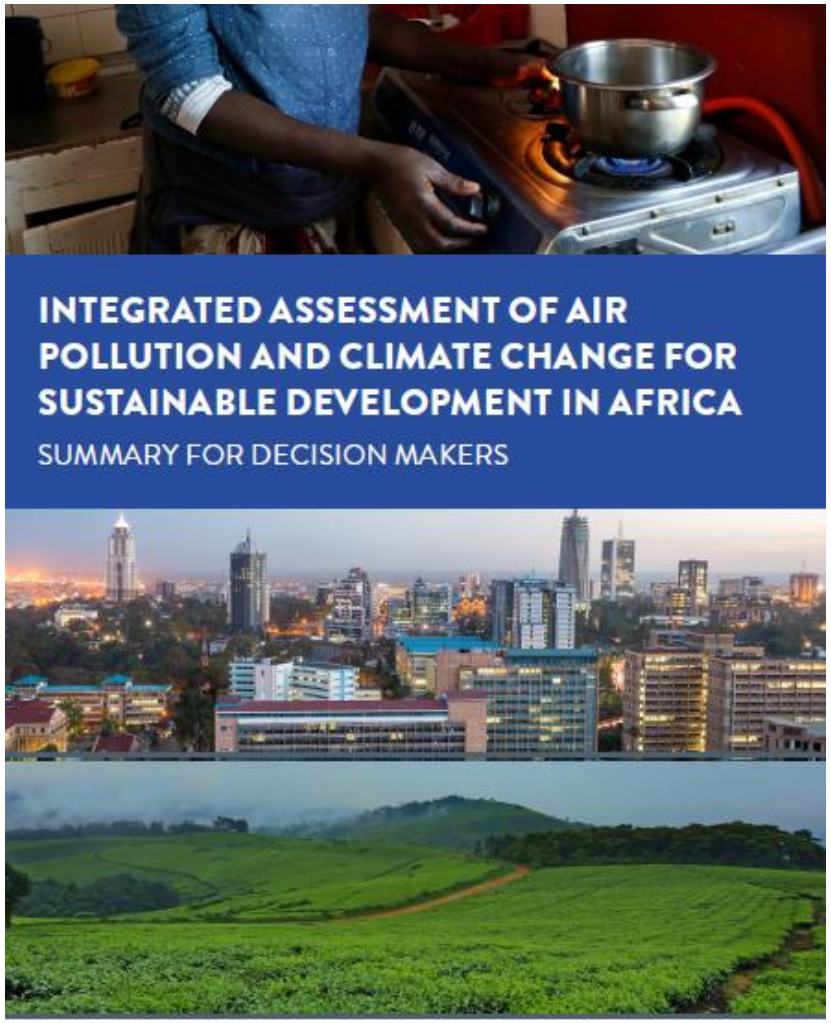
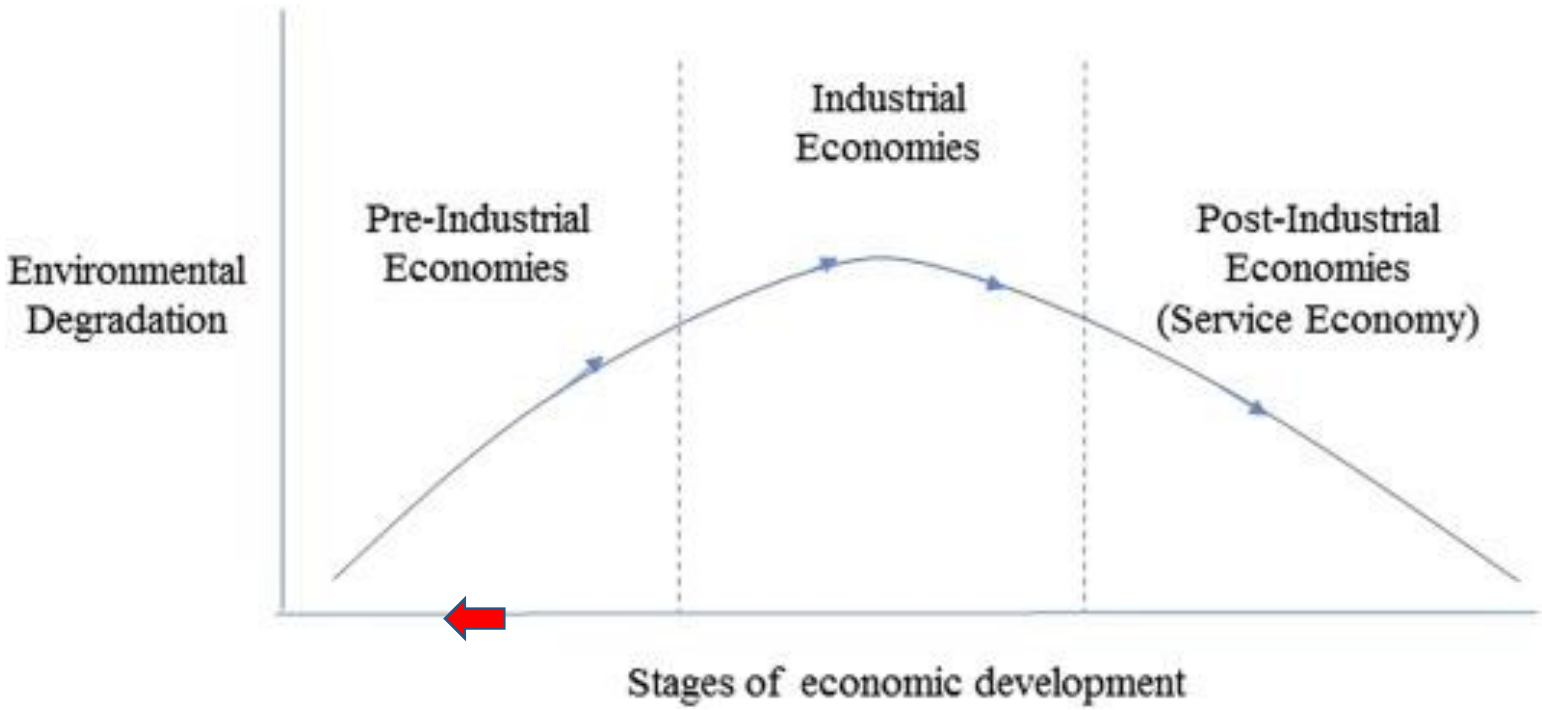
Environment for development





Kuznets Curve

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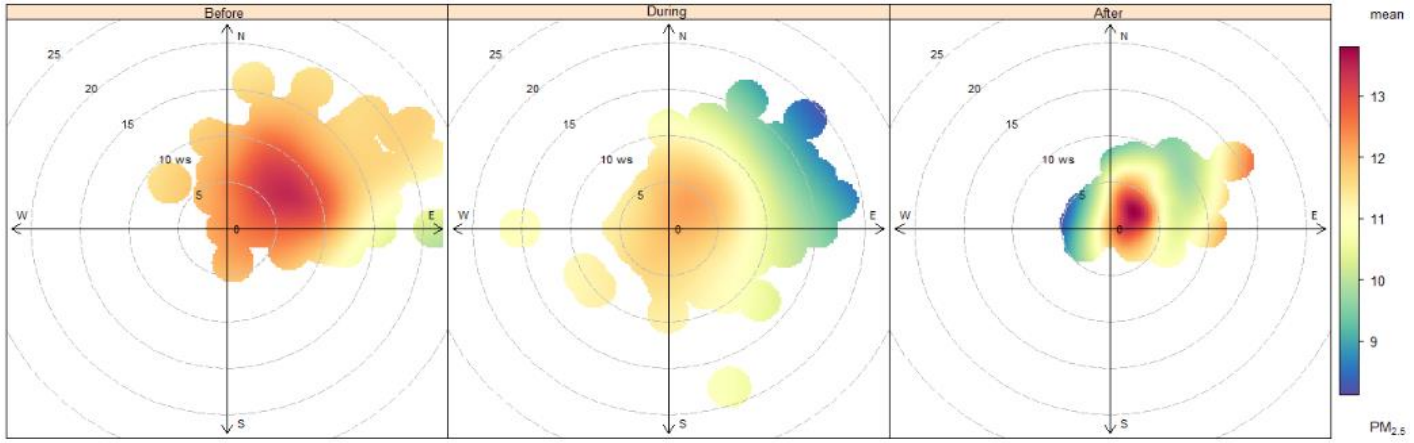
Case Study 1: Nairobi Placemaking Week



Street Closures along **Jevanjee Gardens** for **1 week** in **November 2016**

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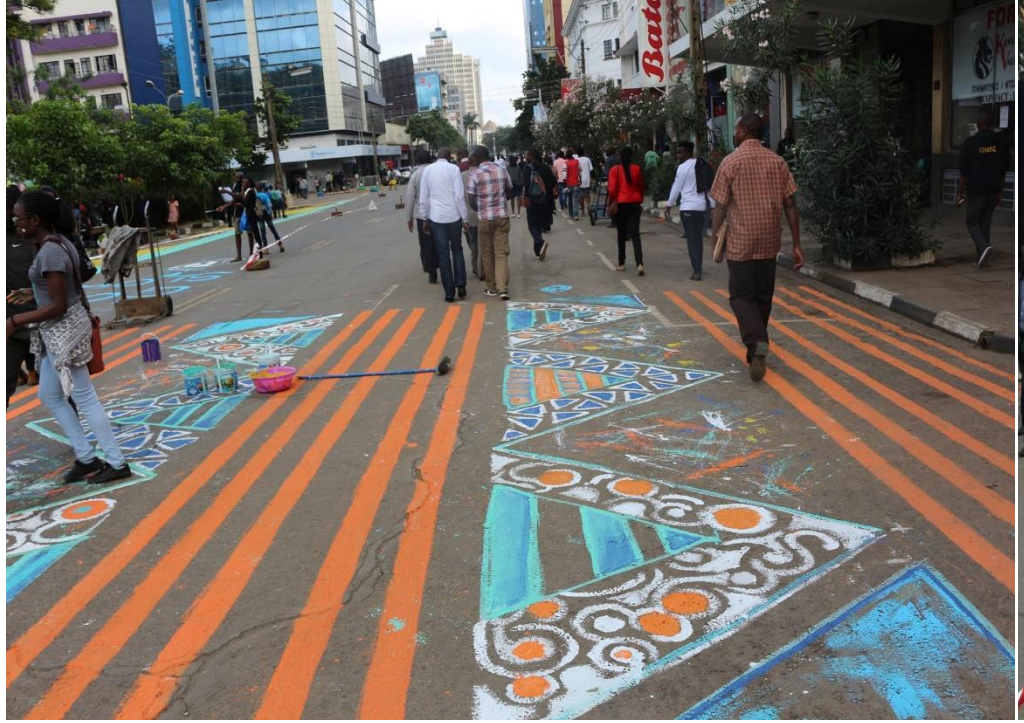
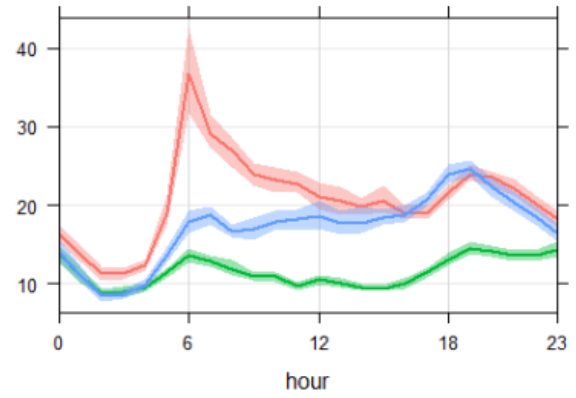


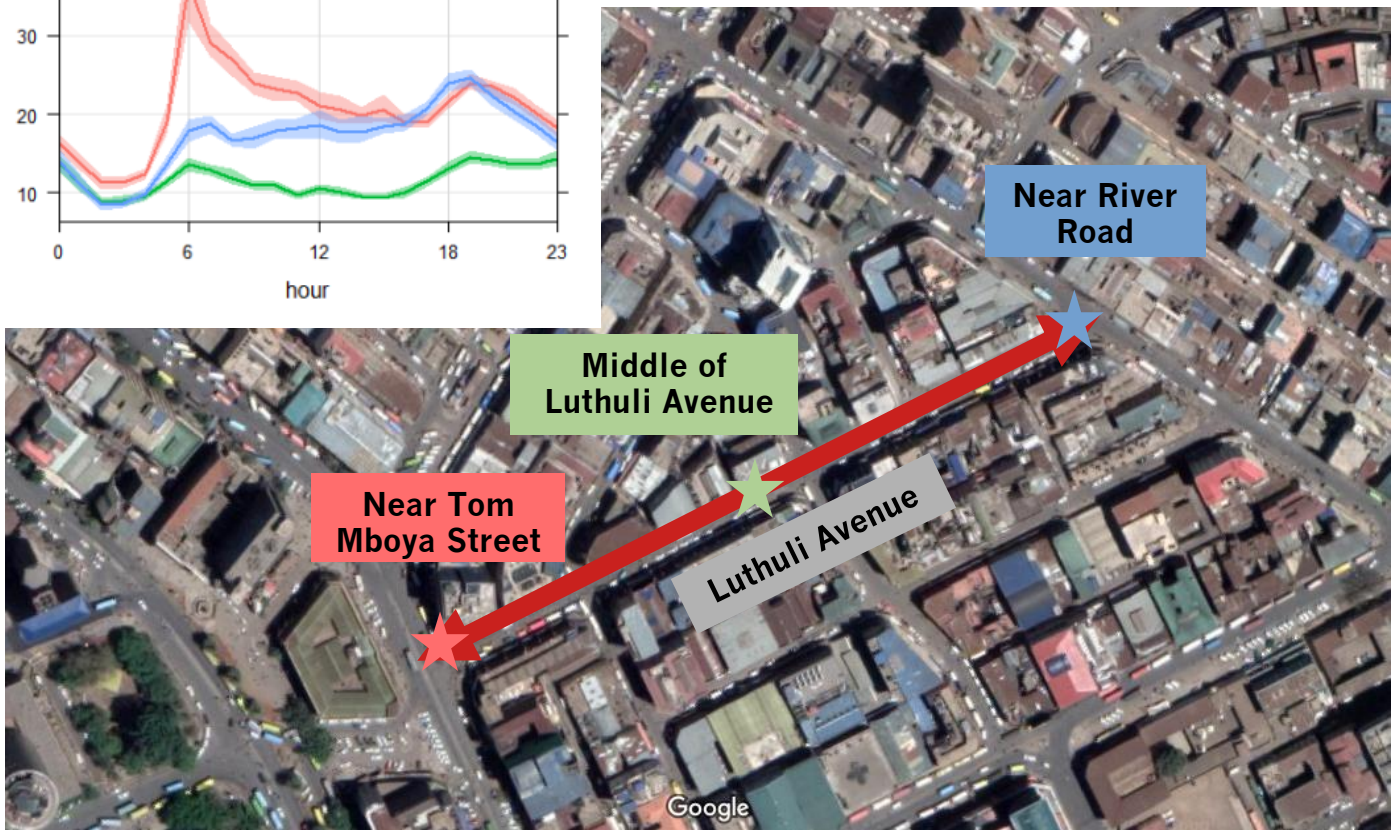
GO
SLOW
10

ARCADE HOUSE

JEVANJEE GARDENS SHOPPING
TYRES · WHEELS · BATTERIES
SUSPENSION · ALIGNMENT · BALANCING

Case Study 2: Pedestrianization of Streets





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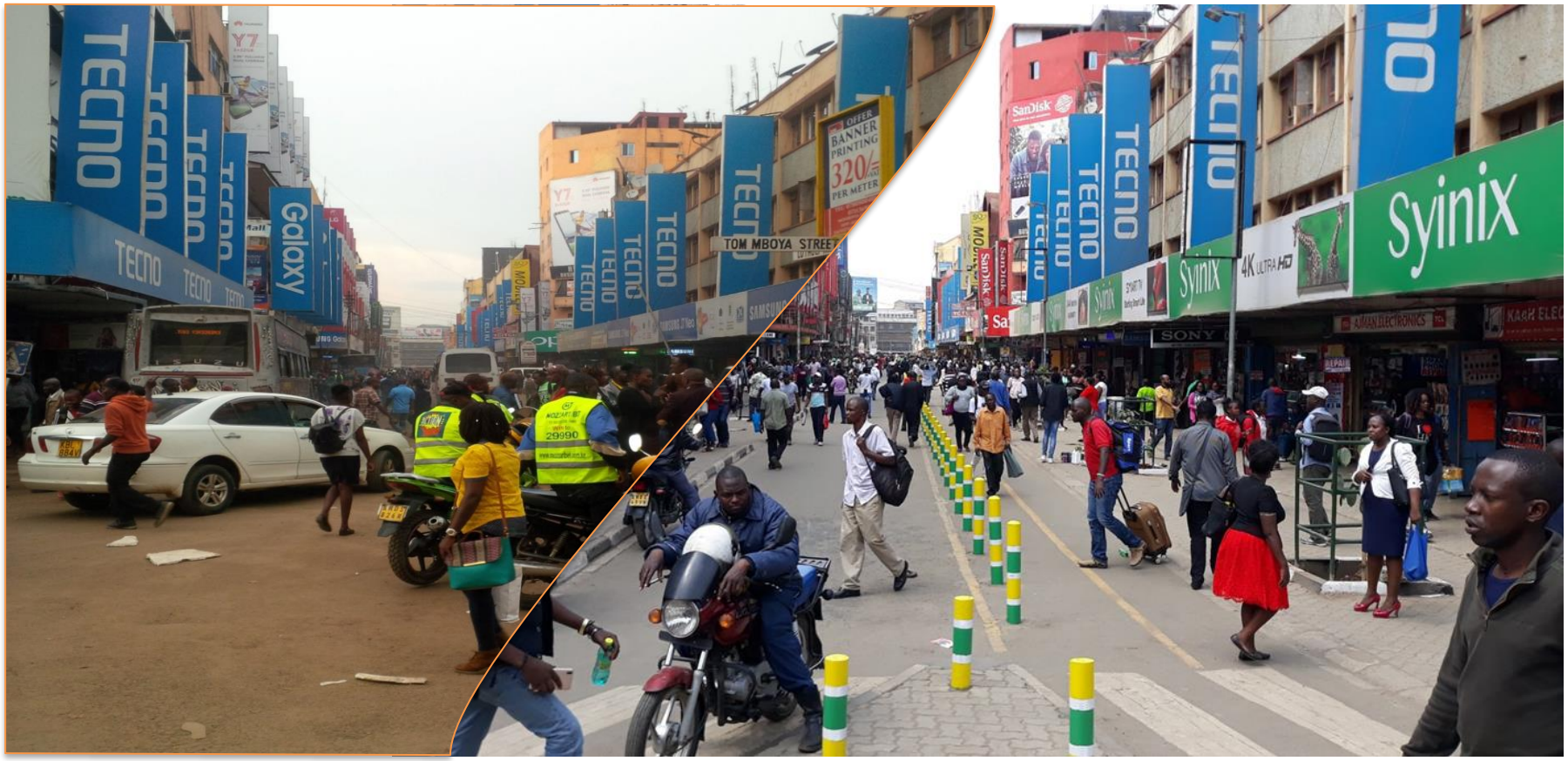
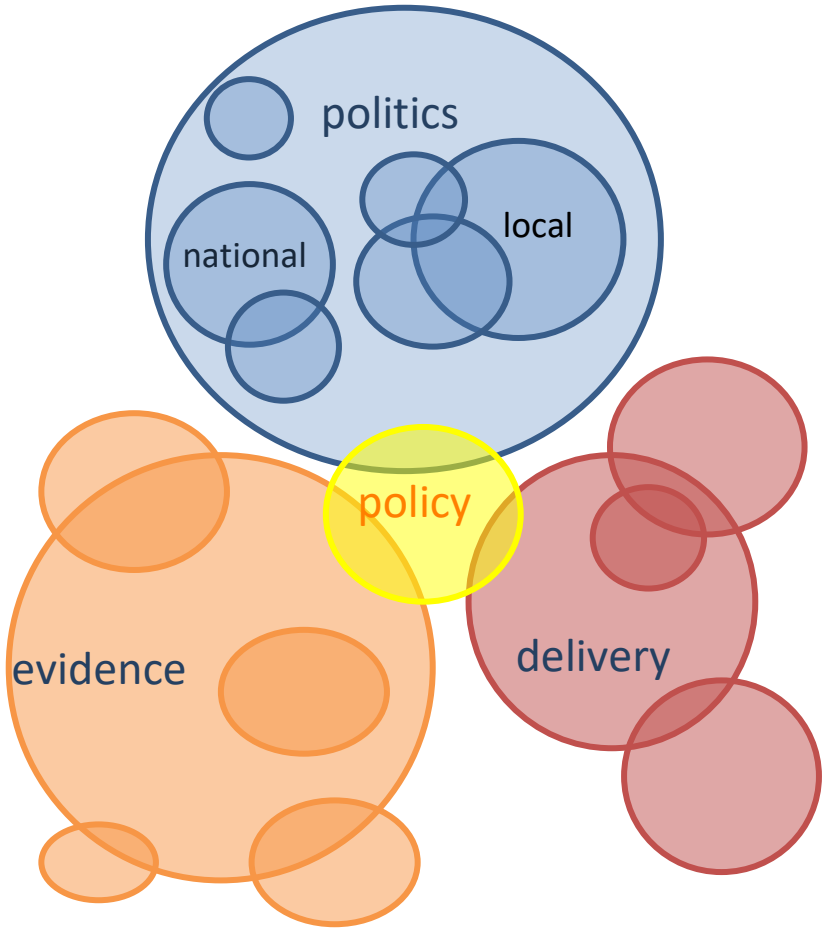
Fixing Nairobi, One Street at a time



The Reality of Environmental Management



Important drivers with clear economic impact

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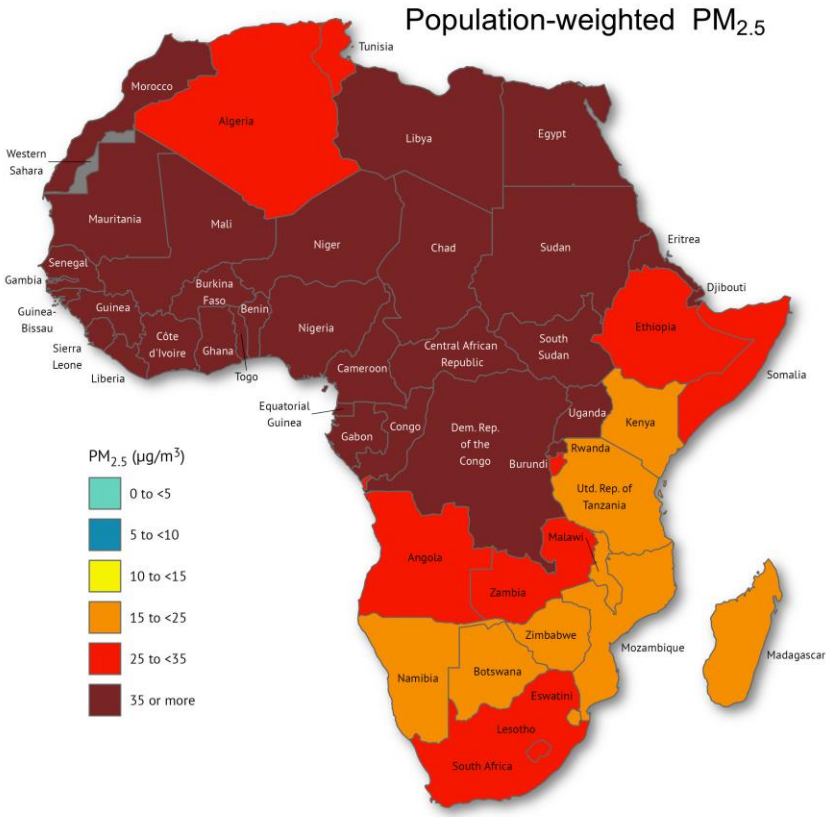
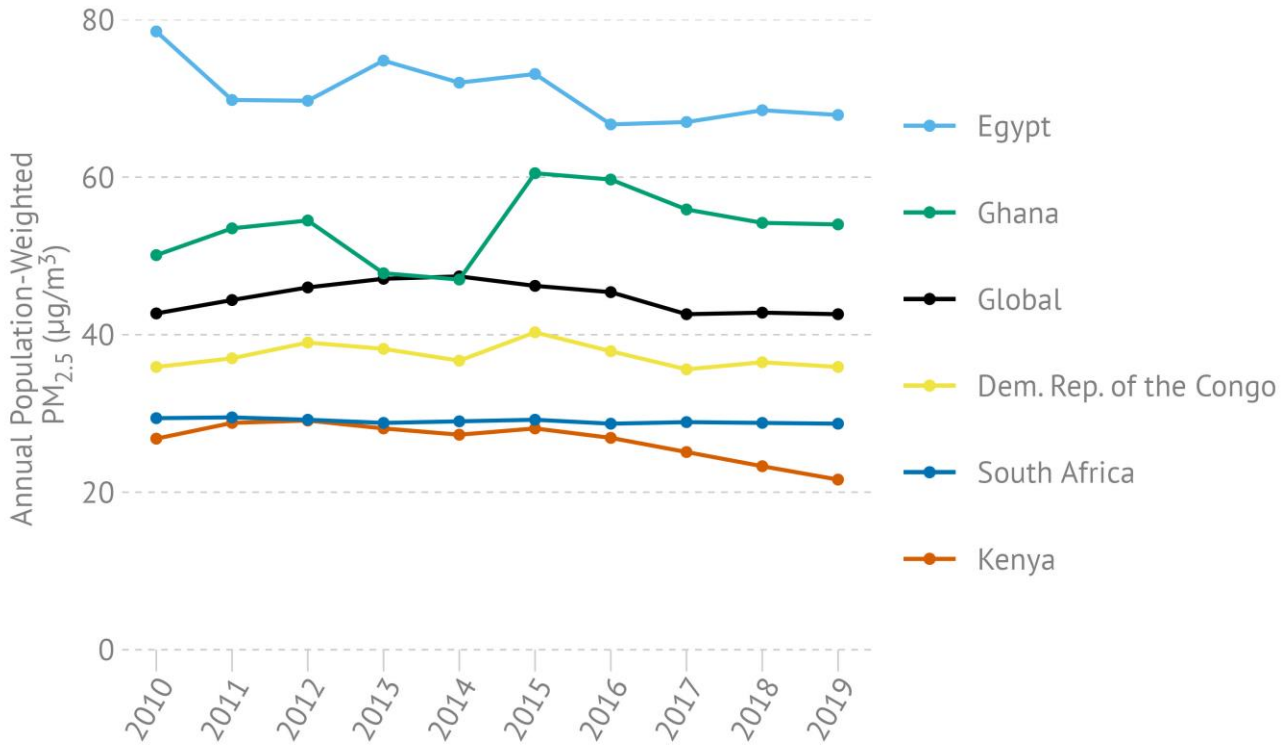
Patterns of exposure to air pollution across Africa

Average Exposure to $PM_{2.5}$



Trends in average $PM_{2.5}$ Exposure, 2010 – 2019



http://www.stateofglobalair.org/

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KEY CONSIDERATIONS

Who?

What?

How?

Why?

Changing attitudes, influencing behavior

Nudge

- Positive reinforcement and/or suggestion to influence motives, drivers and decision-making of groups and individuals

Think

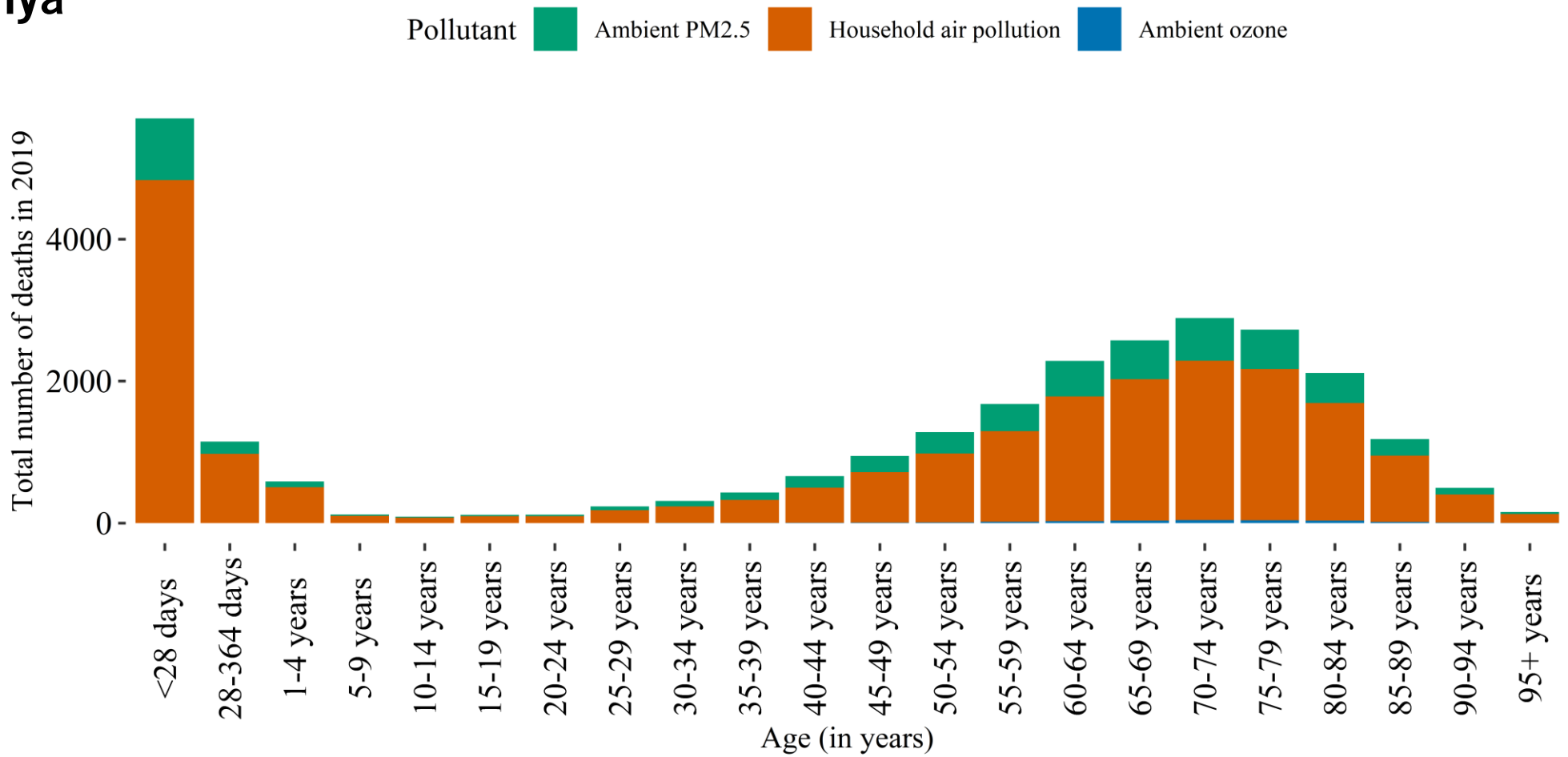
- Deliberative engagement bridges the gap between the actions that are attractive and easy, and the actions that needed to achieve environmental goals.

Shove

- Legislation to restricts the choices that an individual person can make in relation to a range of different potential behaviors

Patterns of disease burden linked to air pollution vary across East Africa

Kenya



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Let’s talk!

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