

Establishing Link Between Statistical and Geospatial Data for SDGs

An examples from India
Health and Environment

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Open data: Census statistics & PM2.5

Historical data for PM2.5
for 20 years

Population Census data
available for districts,
towns & villages

Geographical location:
trough between
Himalayas and Deccan
plateau

now able to state
quantitatively the
number of people being
affected in each district in
India

This is important as
mitigating actions are
aimed here

situational awareness:
geography and climate
will not change, so
institutional practices and
policy support essential

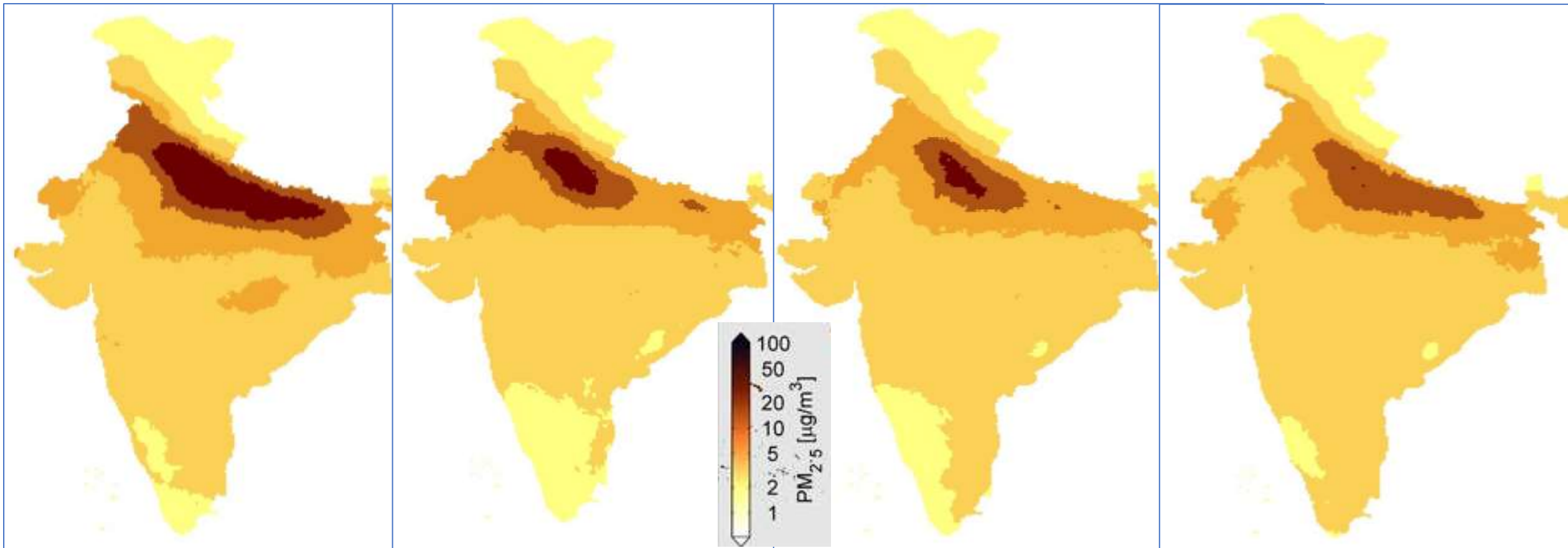
AIR POLLUTION TREND -- OPEN DATA -- PM2.5

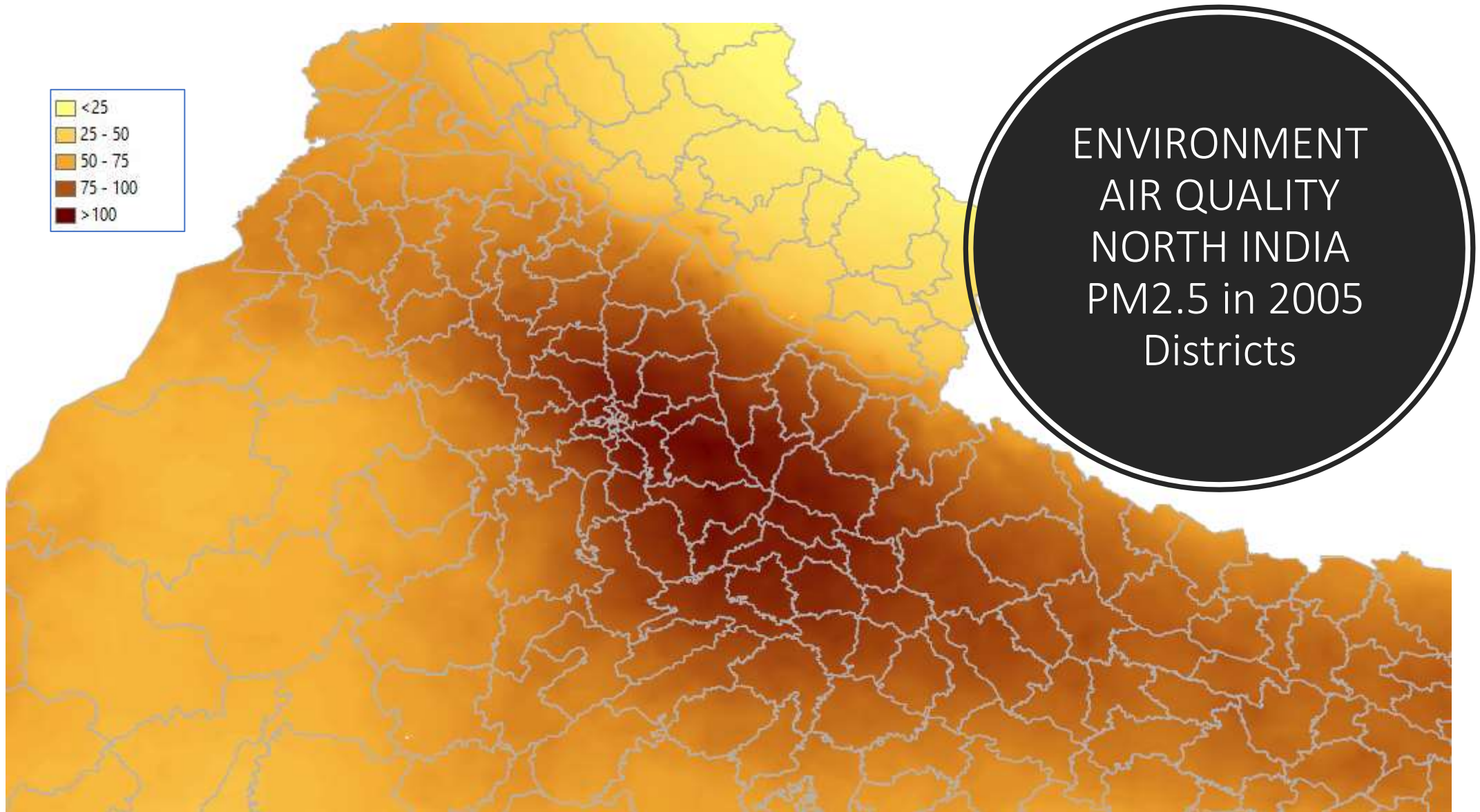
2016

2010

2005

2000







AIR QUALITY
LARGE SWATHS
NORTH INDIA
PM2.5 in 2016
overlaid by
District

Highly localized concentrations of PM2.5

POOR AIR
QUALITY
POCKETS
PM2.5 in 2016
District health
and population
data >> SDG



To Establish link between Health, Population & Environment data

- At present dependence on anecdotal evidence from health practitioners
- Disaggregated health statistics essential by age and disease
- Repeat data will show impact of actions taken to mitigate situation
- Public access to data aggregated by geographical area
- This will help reach SDG goals.