

VISUALIZING LINK

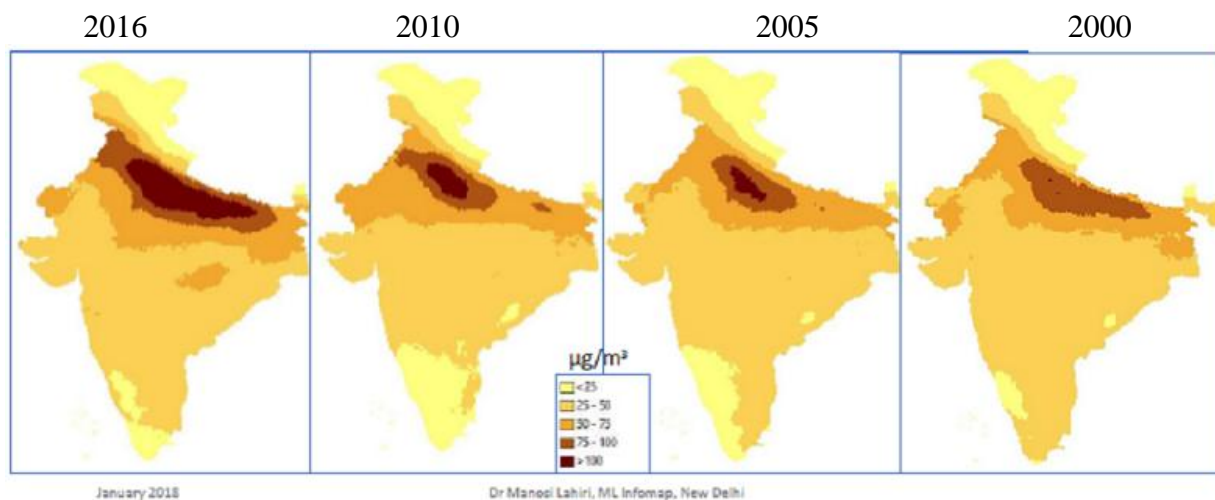
VISUALIZING LINK BETWEEN STATISTICAL AND GEOSPATIAL DATA

An example of PM2.5 Open Data to study

Air Pollution in India

Dr Manosi Lahiri, ML Infomap, New Delhi

AIR POLLUTION TREND FOR PM2.5
Extent and Intensity has increased over the years



Air Pollution is Damaging Health in India

Visualization aimed at using Open Data to support planning mitigation
Census statistics & PM2.5 Images

Open data: Historical images for PM2.5 available for 20 years

Population: Census statistics available for districts, towns & villages

Geography and climate define affected area, policy support must contain problem

Worst affected areas: trough between Himalayas and Deccan plateau

Can quantitatively state the number of people affected in each district

Mitigating actions are taken by District administration



January 2018

Dr Manosi Lahiri, ML Infomap, New Delhi

Highly localized concentrations of PM2.5



January 2018

Dr Manosi Lahiri, ML Infomap, New Delhi

To Establish link between Health, Population & Environment data

- Present dependence on anecdotal evidence from health practitioners.
- Disaggregated health statistics essential by age and disease to understand impact of PM2.5 on health.
- Public access to health data aggregated by geographical area will increase awareness of PM2.5 as health hazard.
- Establishing the link between health and PM2.5 necessary to meet SDGs.