



NASA Space App Challenge  
School Outreach Version

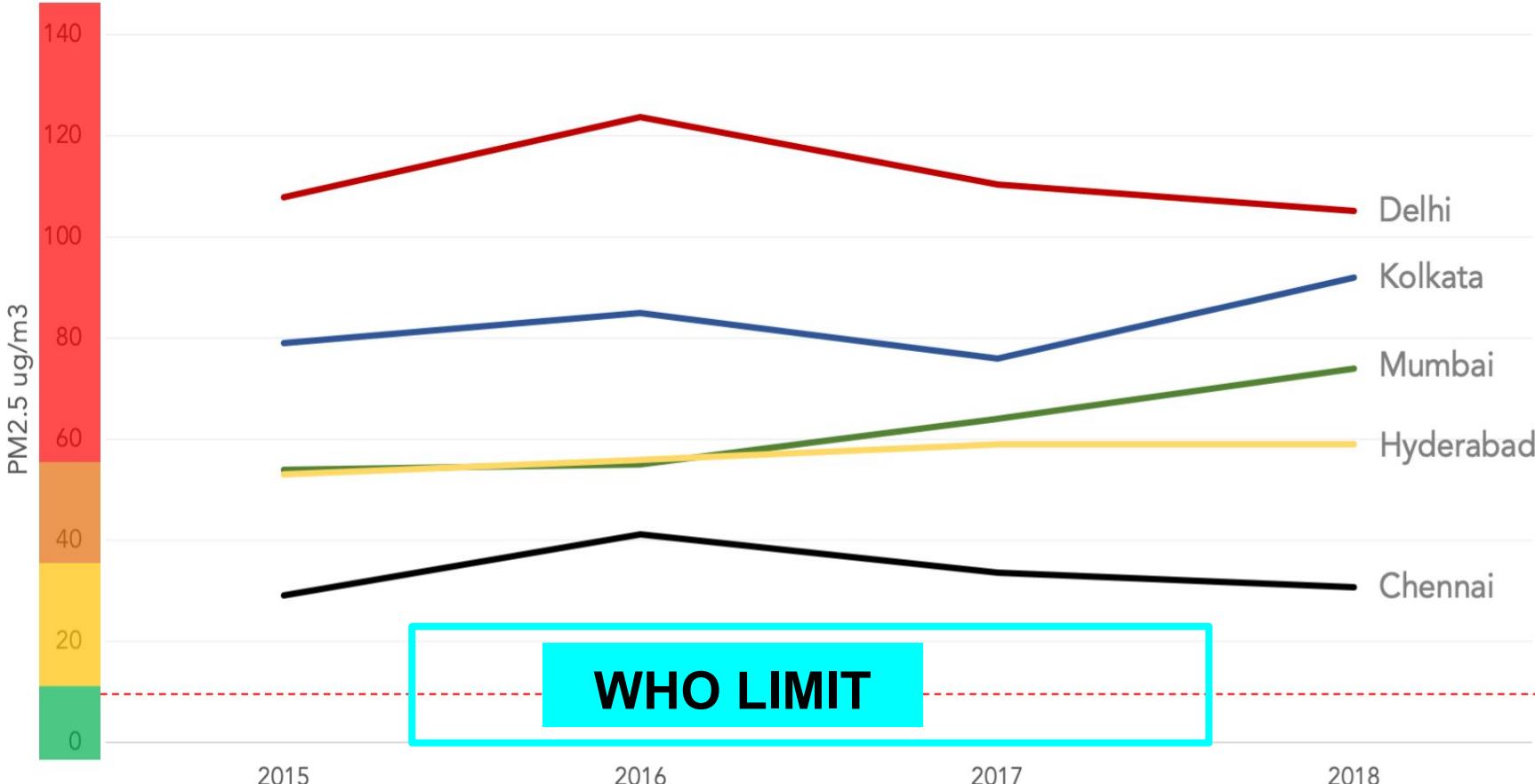
# Expurgo Re-Tyre

No More Pollution !

Sai Ghule

Color =  
US AQI

Delhi    Kolkata    Mumbai    Chennai    Hyderabad



Data: US Embassy and Consulates

Analysis: Smart Air smartairfilters.com

## **Our Solution :**

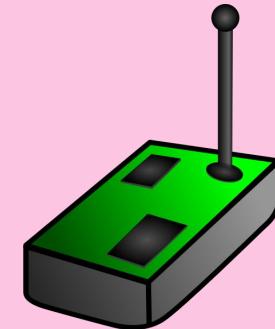
- A strap-on, multi-layered, emission absorbing pad which can be fitted on the tyres of a vehicle
- The function of this pad is to absorb harmful gases like Carbon Dioxide, Sulfur Dioxide and Carbon Monoxide.
- It has three layers each of which absorbs a specific type of gas.



Tyre Pad

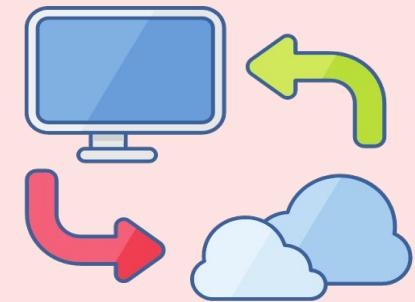
**Real Time Tracking**

**Sensors**



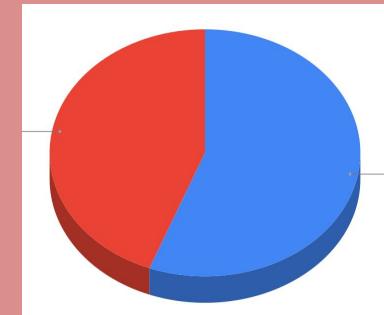
**Process Data**

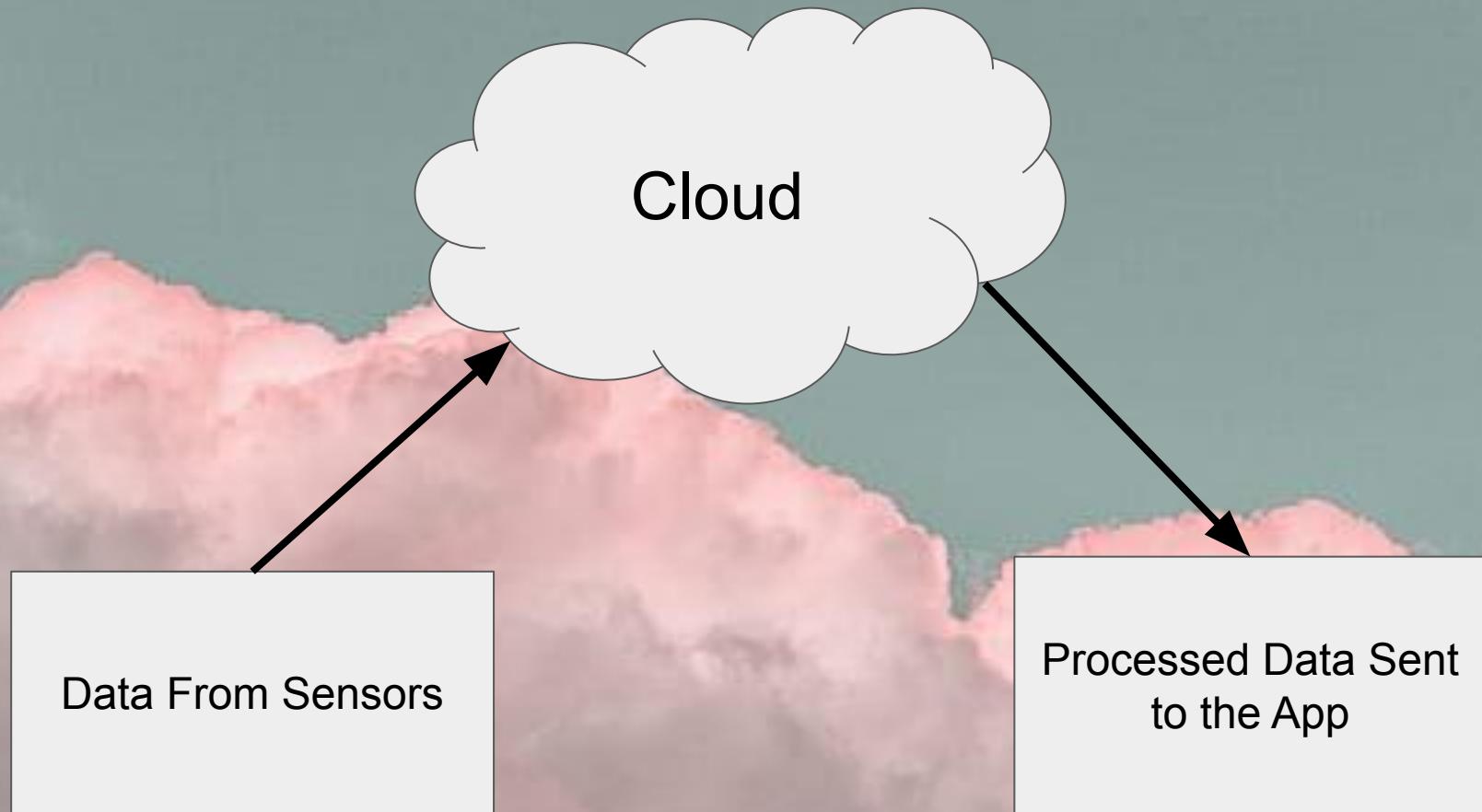
**Cloud**



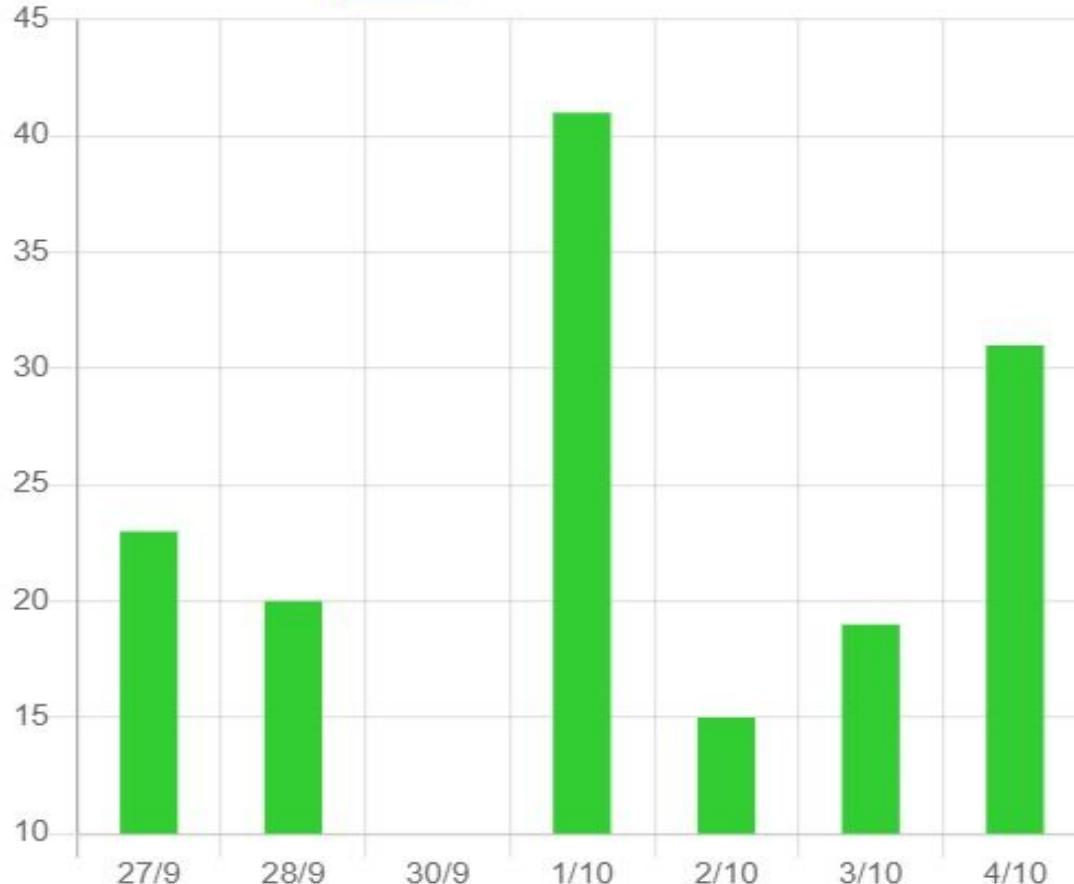
**Data  
Visualization**

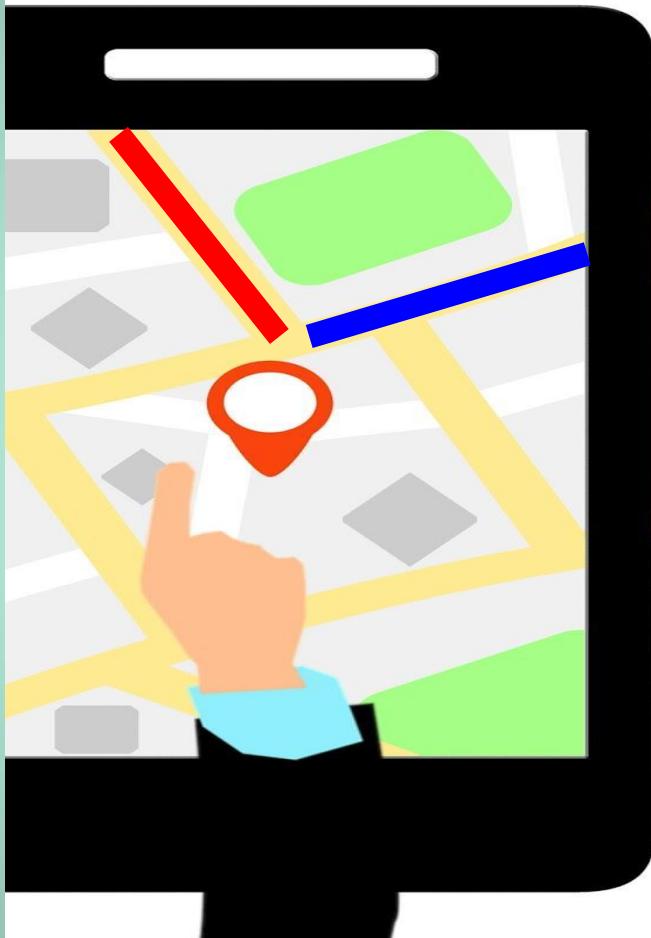
**Website**





Pollution Absorbed





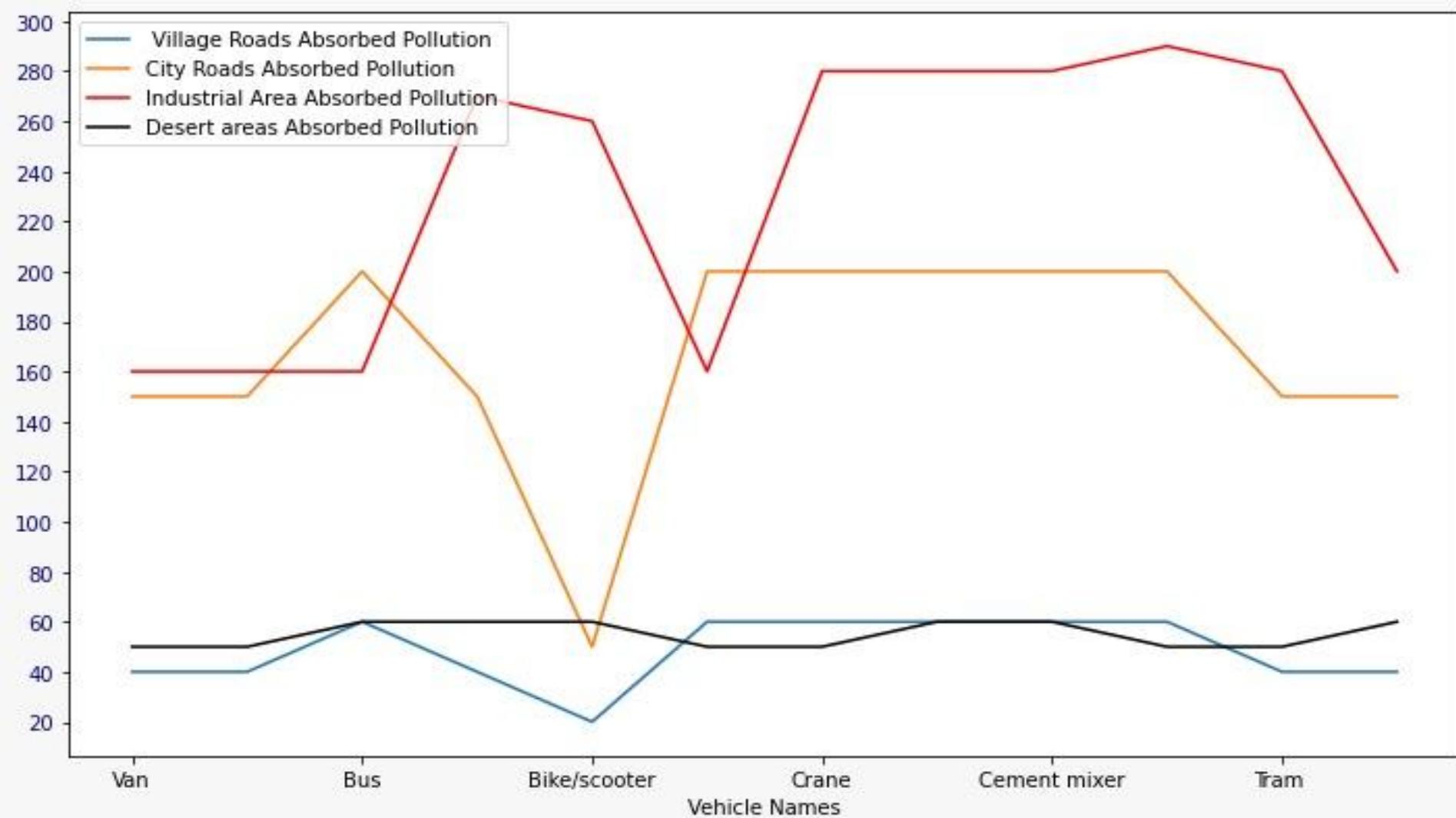
Heavy



Moderate



Light



## EXPURGO Re-Tyre

Download the app for easy tracking of your contribution towards saving environment!

Download



# References

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“Air Quality Data - U.S. Embassy & Consulates in India.” *U.S. Embassy and Consulates in India*, <https://in.usembassy.gov/embassy-consulates/new-delhi/air-quality-data/>. Accessed 21 February 2024.

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**Thank You!**

