

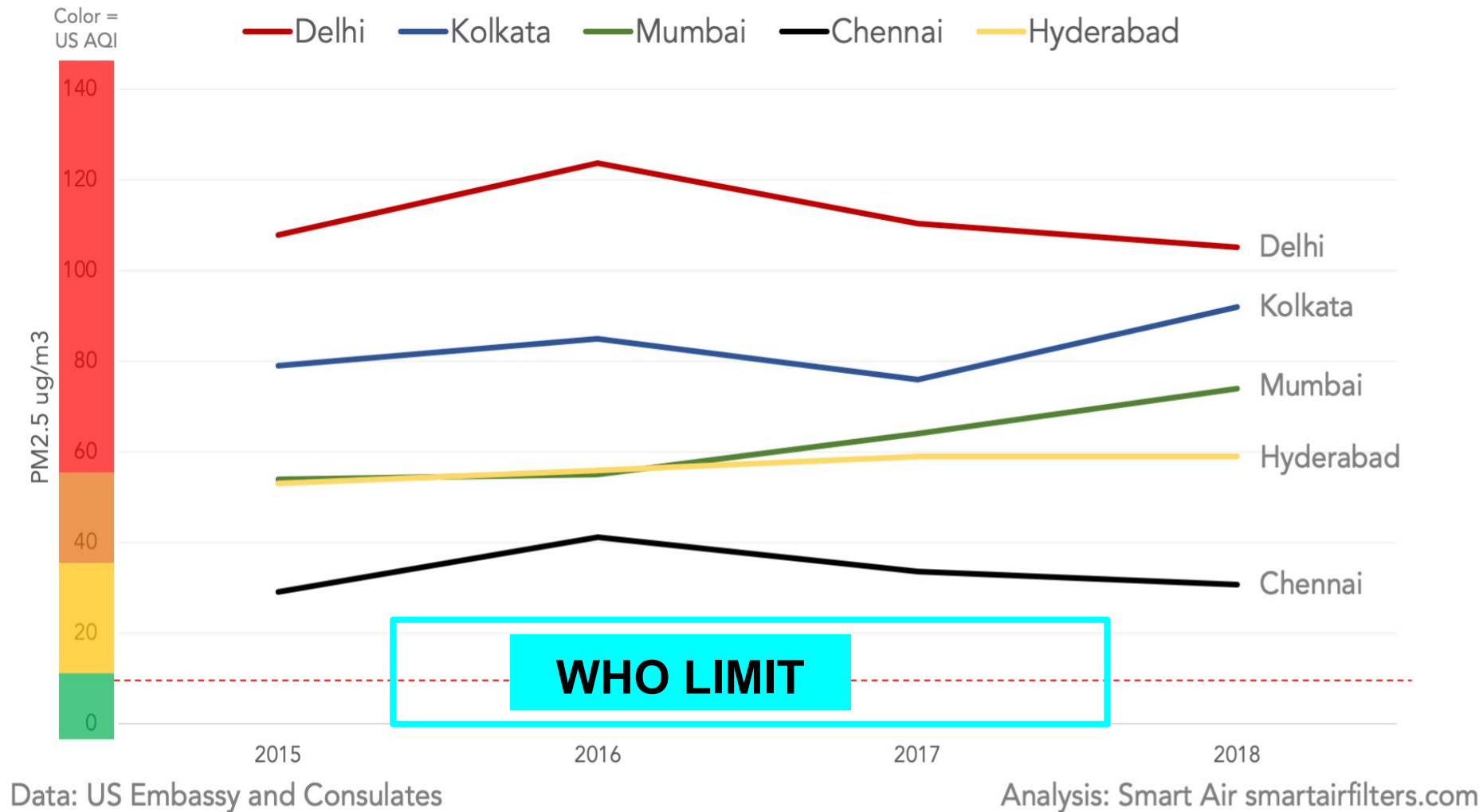


**NASA Space App Challenge
School Outreach Version**

Expurgo Re-Tyre

No More Pollution !

Sai Ghule



Our Solution :

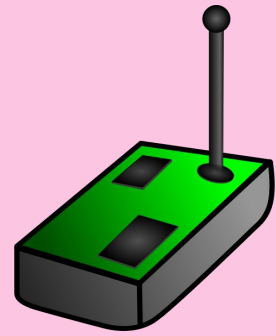
- **A strap-on, multi-layered, emission absorbing pad which can be fitted on the tyres of a vehicle**
- **The function of this pad is to absorb harmful gases like Carbon Dioxide, Sulfur Dioxide and Carbon Monoxide.**
- **It has three layers each of which absorbs a specific type of gas.**



Tyre Pad

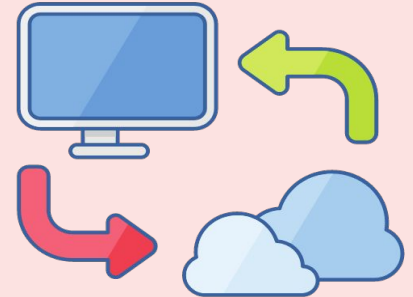
Real Time Tracking

Sensors



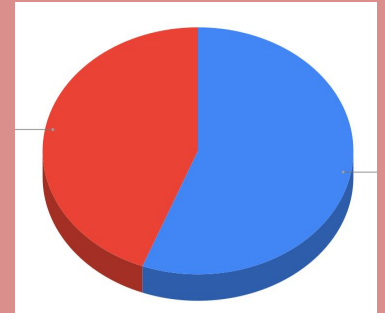
Process Data

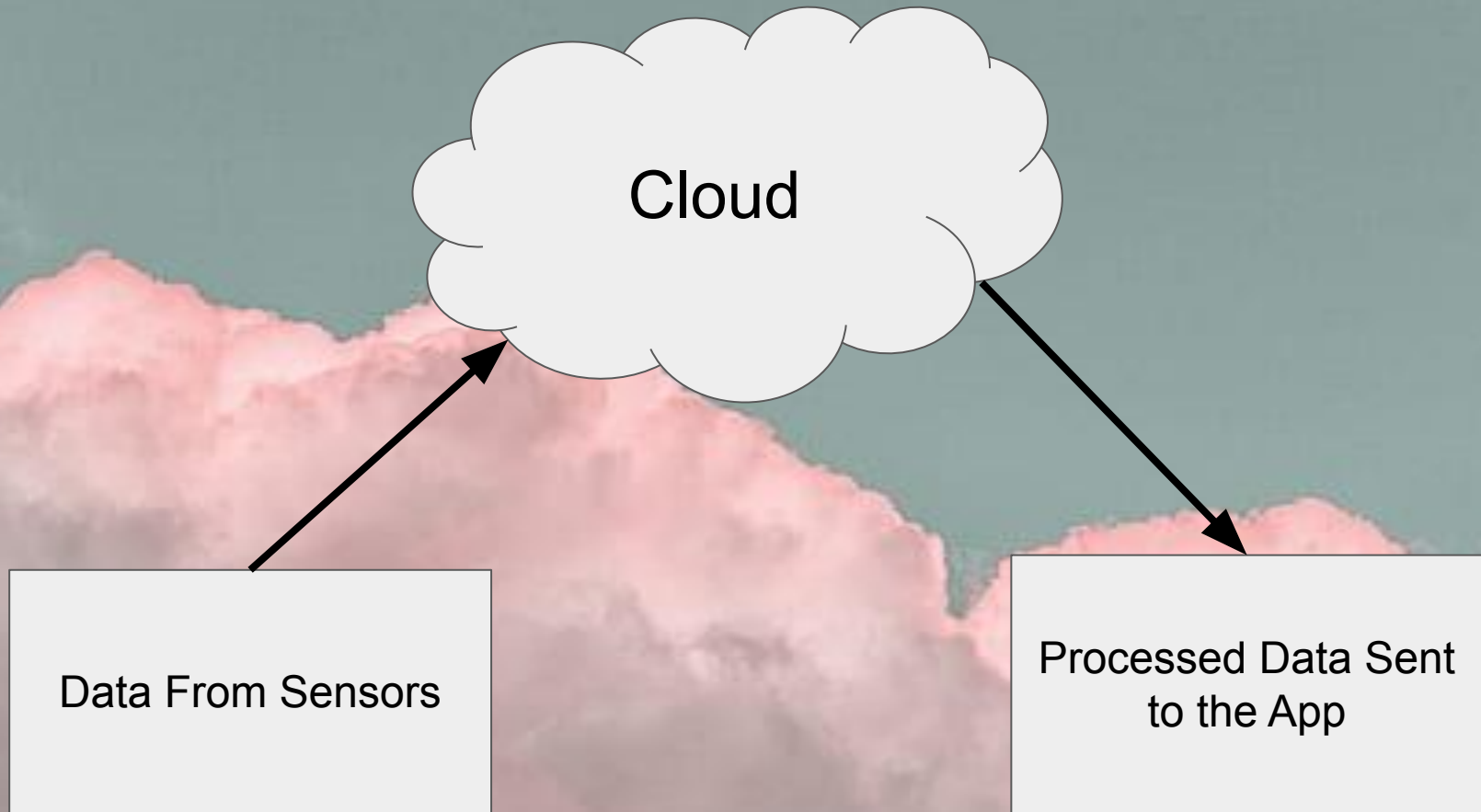
Cloud

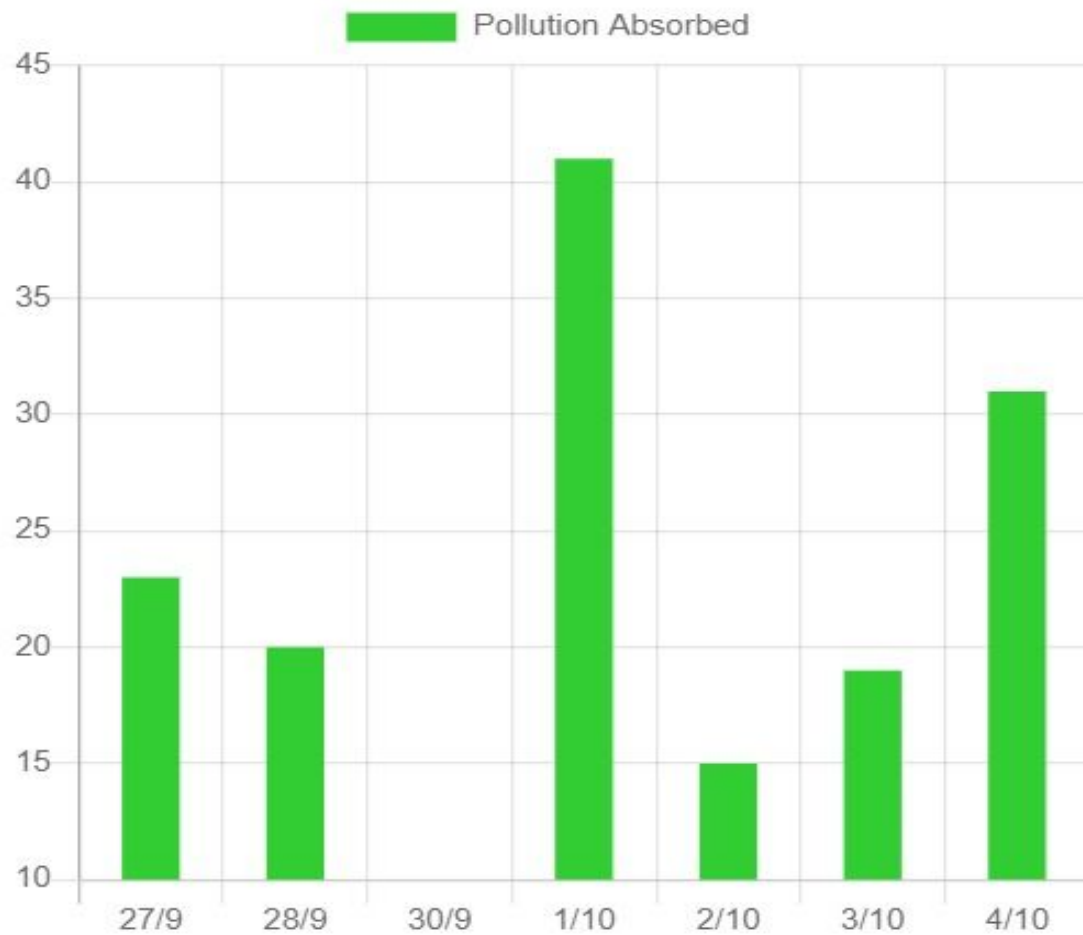


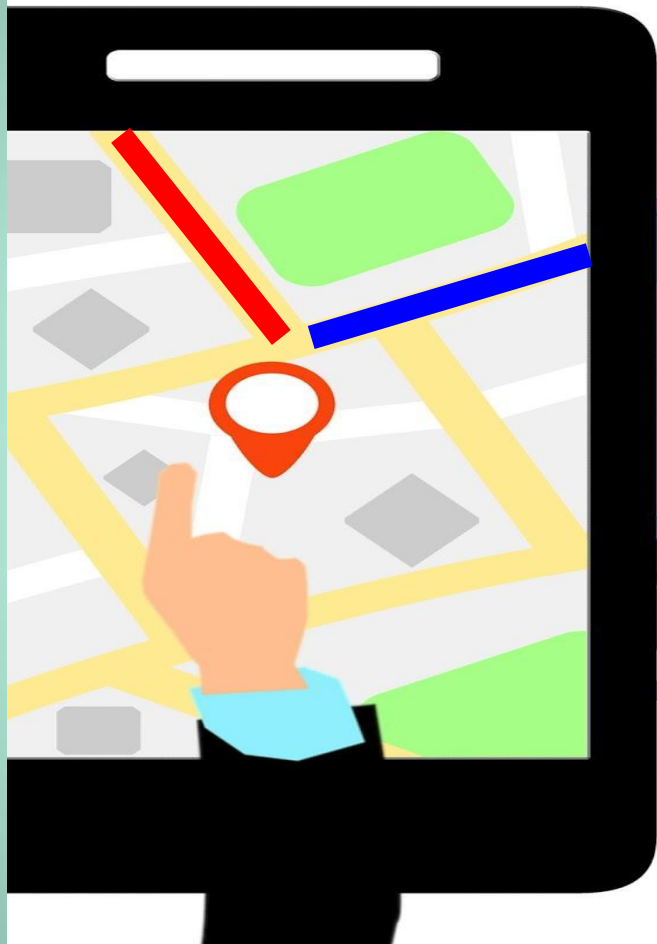
**Data
Visualization**

Website









Heavy

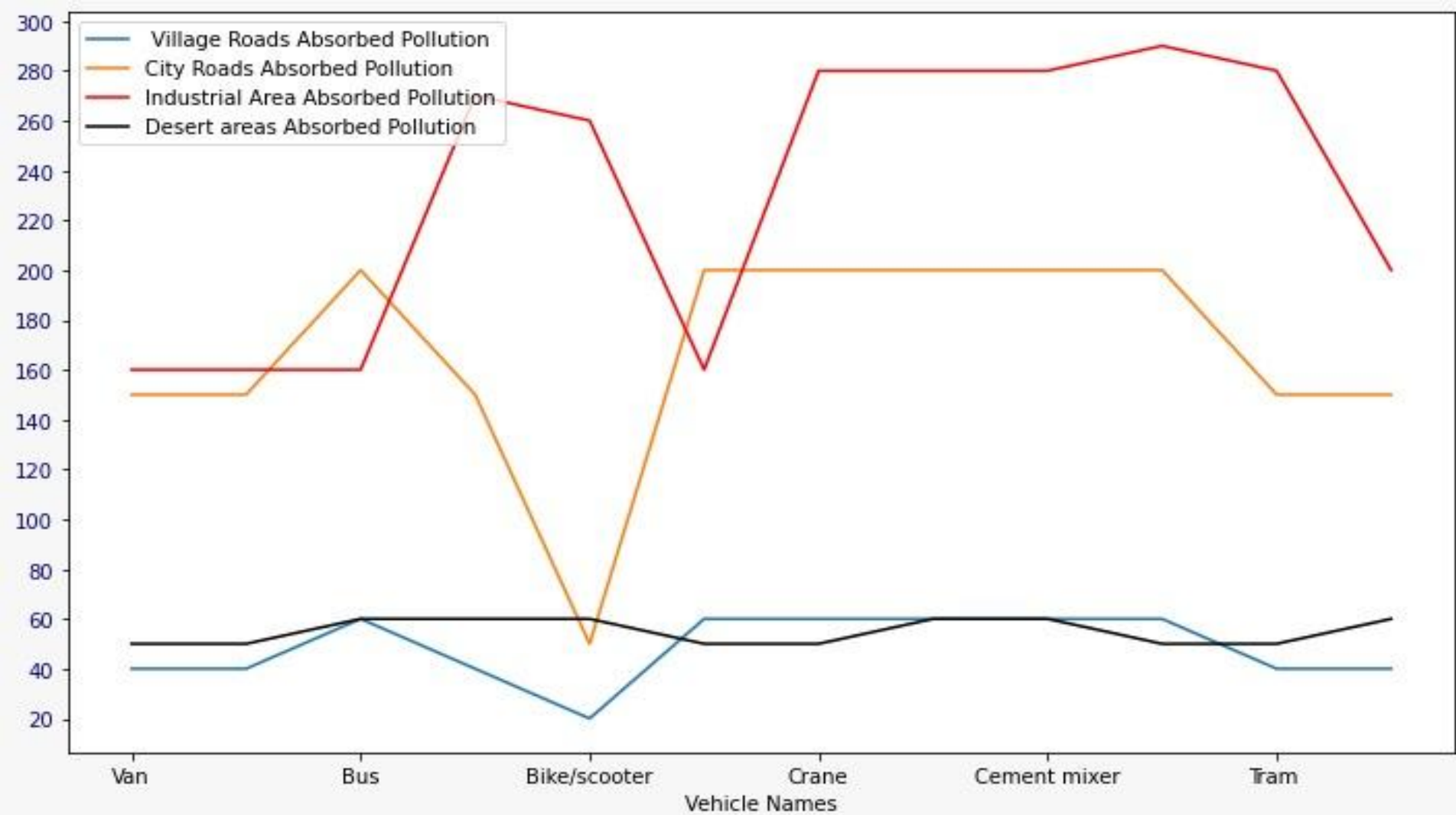


Moderate

**Pollution
Density**



Light



[Home](#)[Data](#)[Visualization](#)[Features](#)[Images](#)[Route-Tracking](#)[Team](#)[Contact](#)[Get Support](#)

EXPURGO Re-Tyre

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

[Download](#)

References

- “Executive summary – Transitioning India’s Road Transport Sector – Analysis.” *IEA*,
<https://www.iea.org/reports/transitioning-indias-road-transport-sector/executive-summary>. Accessed 21 February 2024.
- “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.
- “Collection - Air Quality.” *NASA Earth Observatory*,
<https://earthobservatory.nasa.gov/collection/1722/air-quality>. Accessed 21 February 2024.
- “Graphic: The relentless rise of carbon dioxide – Climate Change: Vital Signs of the Planet.” *NASA Climate Change*,
https://climate.nasa.gov/climate_resources/24/graphic-the-relentless-rise-of-carbon-dioxide/. Accessed 21 February 2024.

Thank You!

