

# Clear the Air: A Student-led Climate Action Project

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## A Climate and Air Pollution Project

Recorded by year 7 and year 8 students from Prof. Edward de Bono Handaq Middle School

# Project Aims



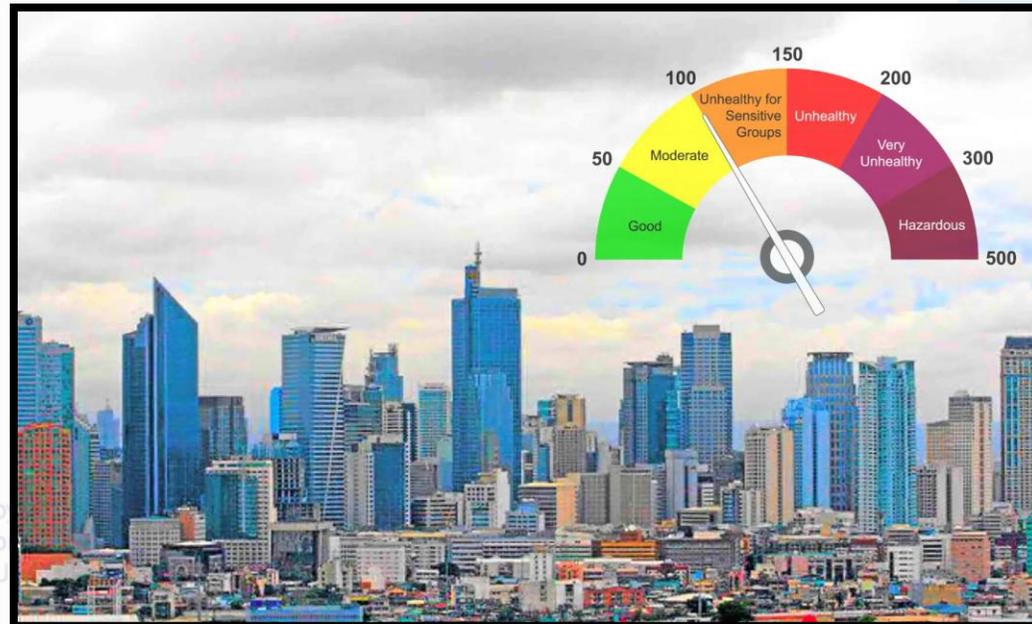
Evaluate  
Student-Led  
Education



Assess Air  
Quality  
Trends



Engage  
Students in  
Environmental  
Knowledge



Propose  
Recommendations  
to Mitigate  
Pollution

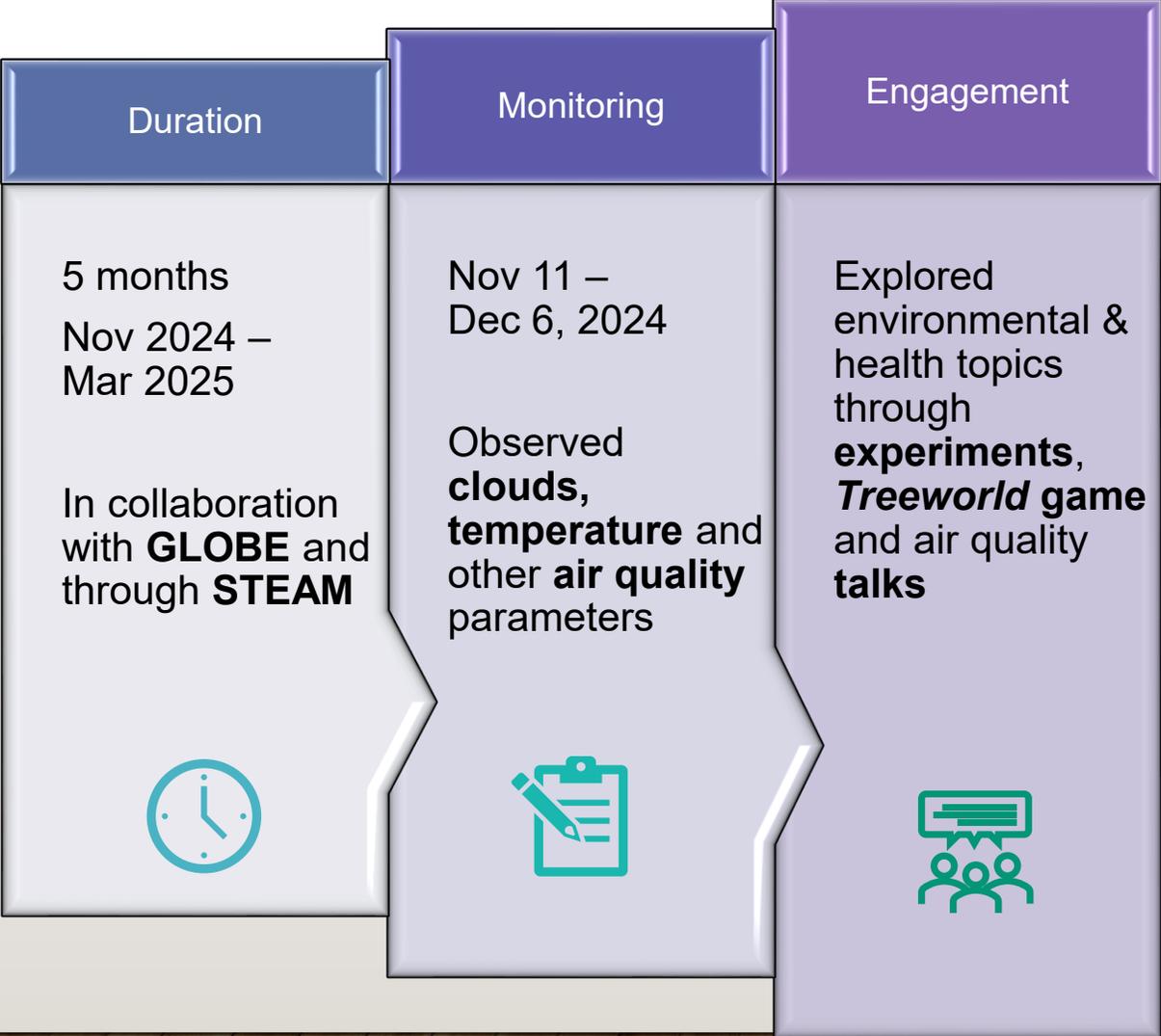


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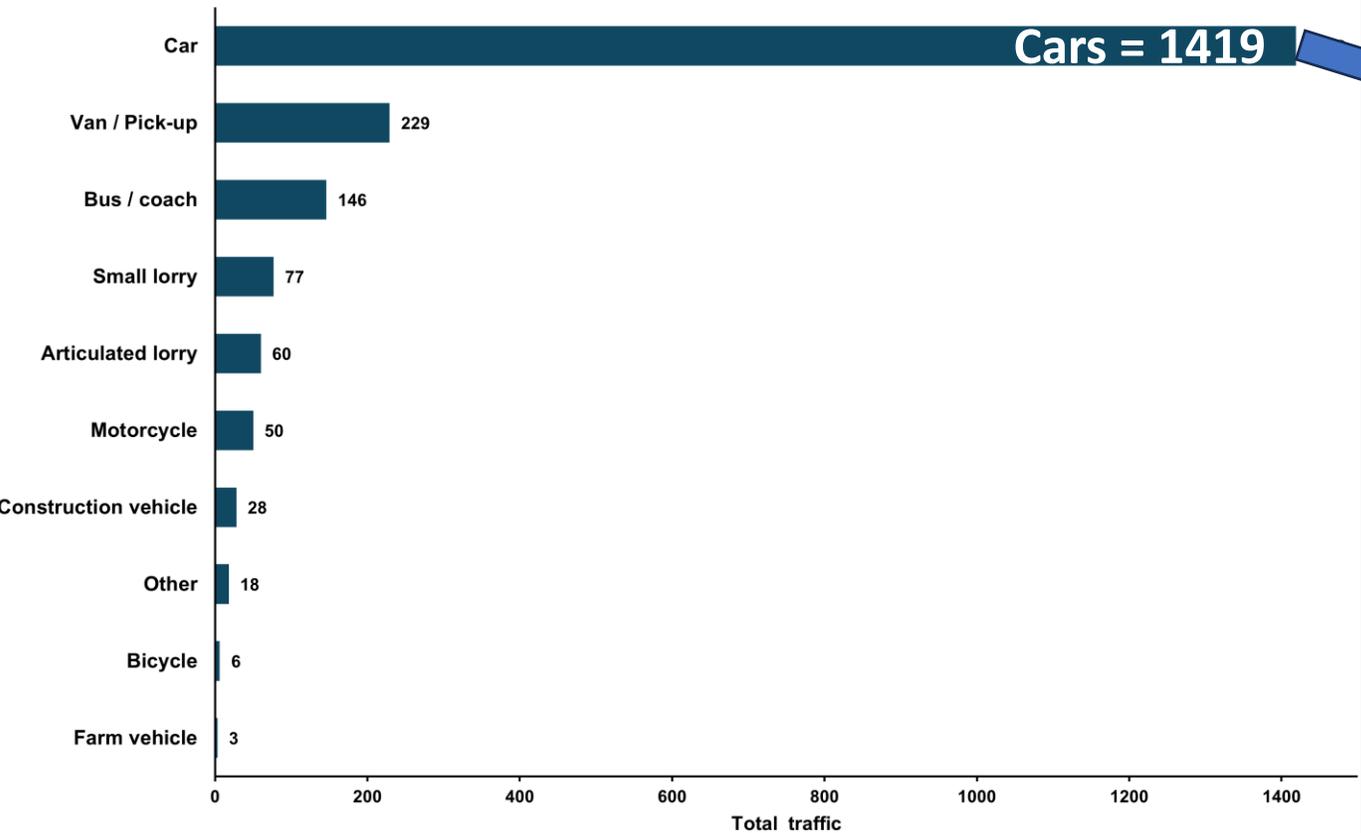
European Union.

# OUR PROJECT COLLABORATION

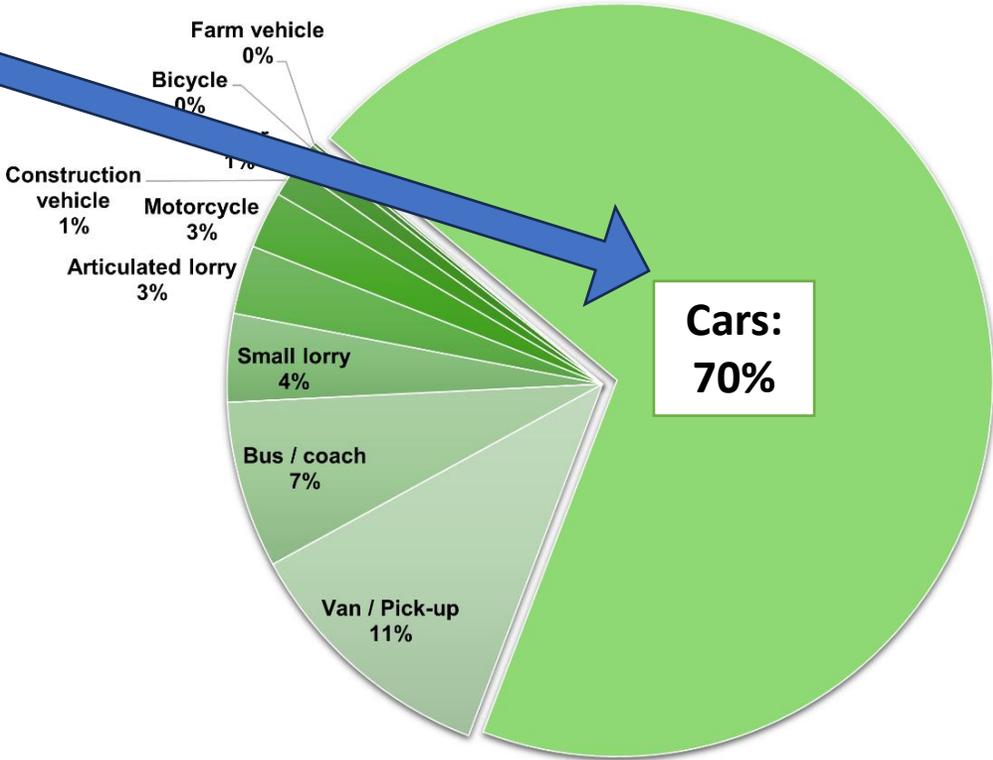


# Traffic Analysis - Handaq Middle School

Total Traffic by Vehicle Type



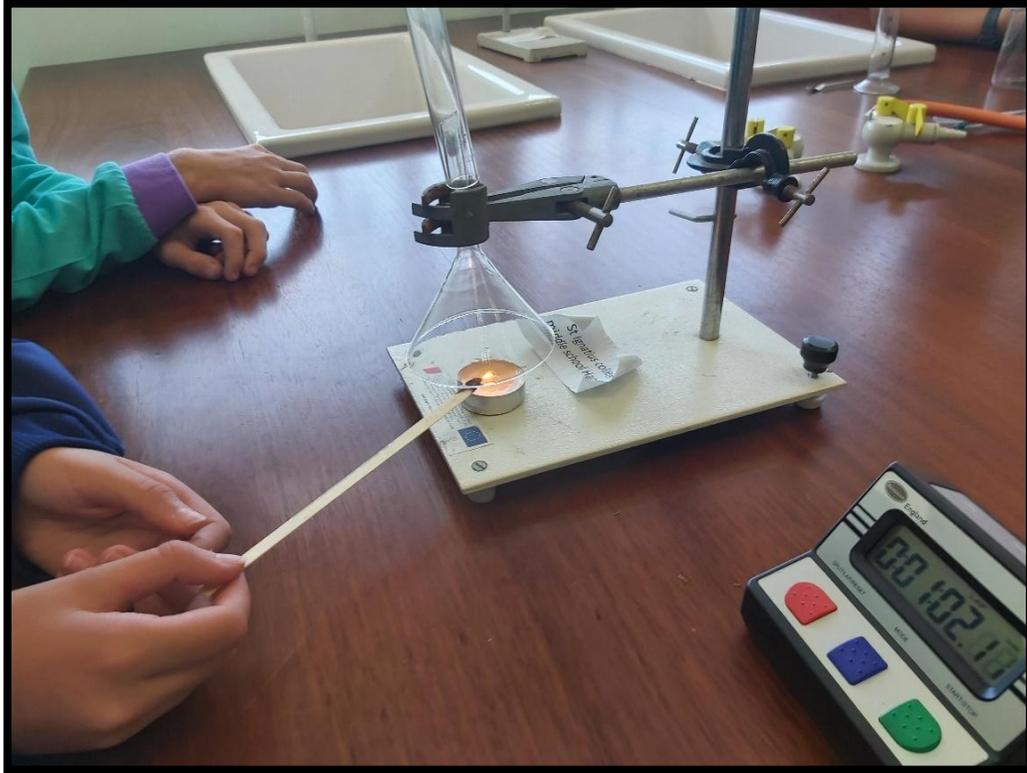
Distribution of vehicles around the school



Students taking readings during the intense monitoring phase



# Experimental Learning Approach



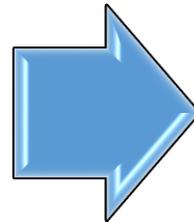
## Combustion Experiment

Students linked fuel burning to  $\text{CO}_2$  and water emissions from cars and industry

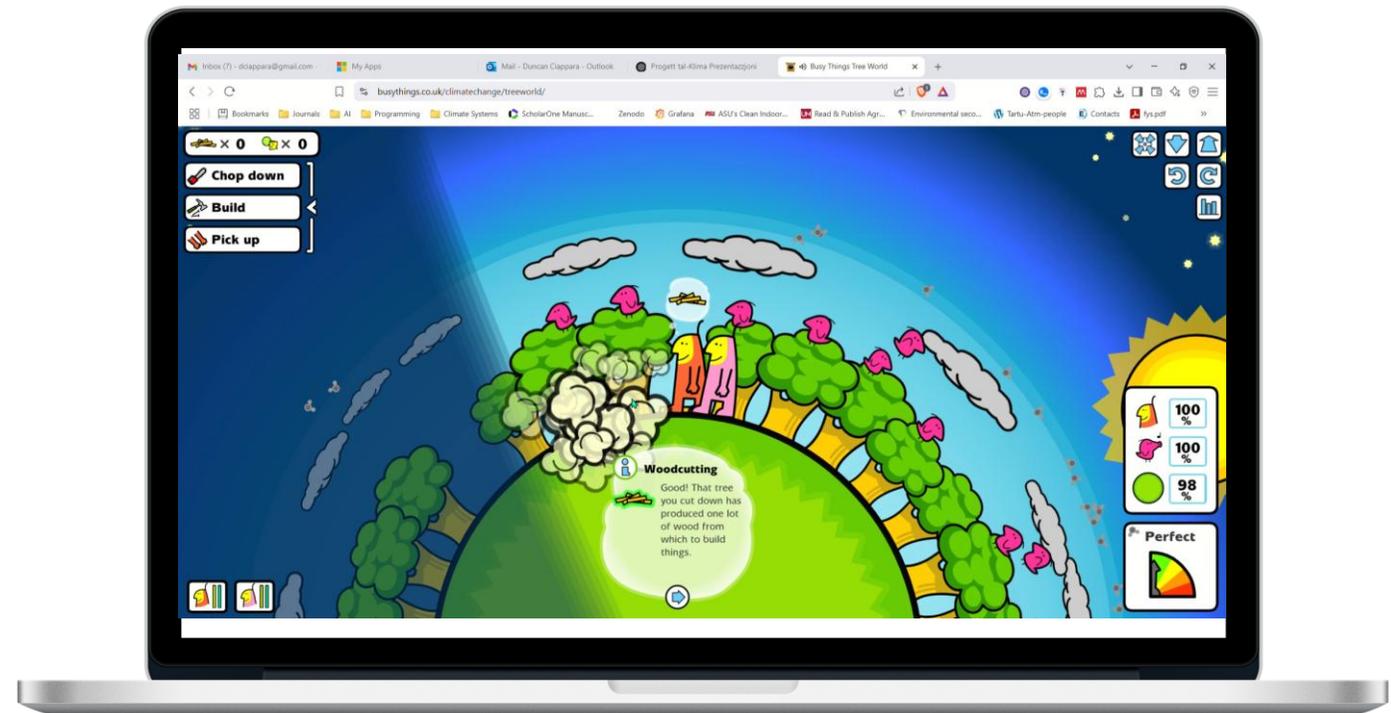


## Greenhouse Effect Demo

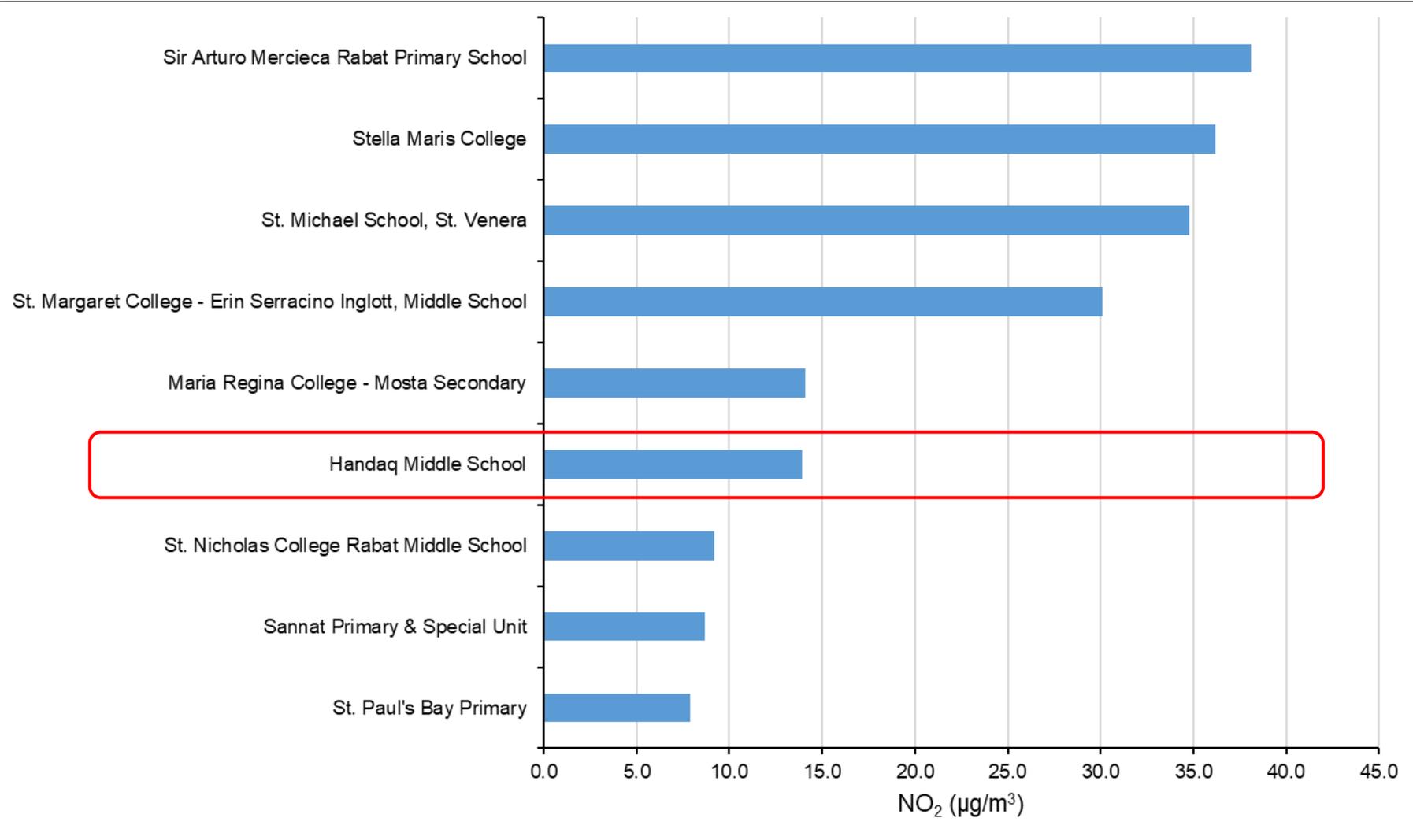
Students compared  $\text{CO}_2$  and water heating to show how greenhouse gases trap heat and cause global warming



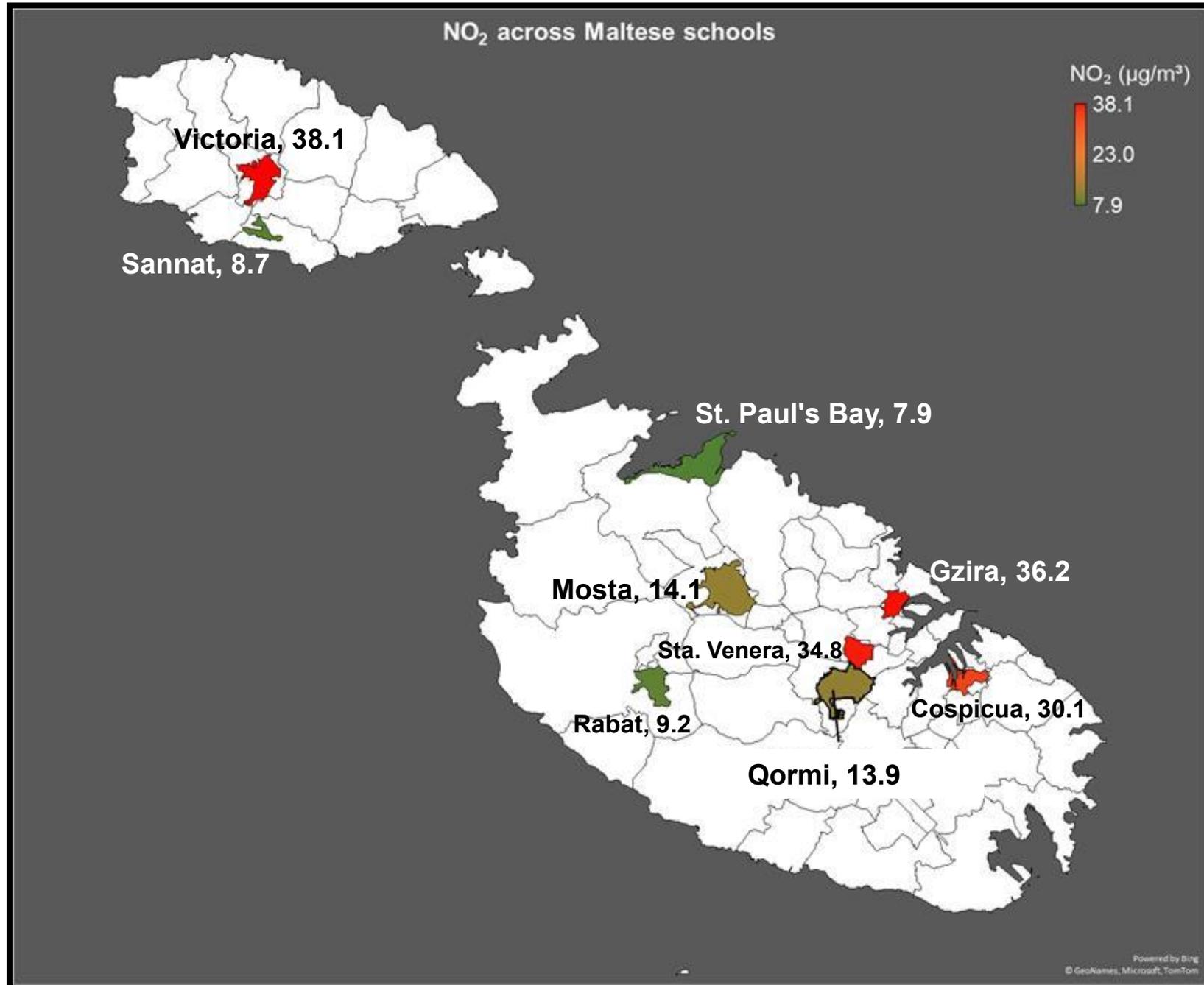
# TREE WORLD – Understanding and managing Earth's resources through games



# NO<sub>2</sub> levels across Maltese schools



# NO<sub>2</sub> – Visual Map across the Maltese islands



# COLLABORATION WITH THE HEALTH DIRECTORATE

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# COLLABORATION WITH THE THINKING CLUB

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# Presenting recommendations to the Hal Qormi Local Council



# Recommendations



# Research Symposium – 1<sup>st</sup> July 2025



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# European Citizen Science (ECS) platform



European Citizen Science (ECS) platform

Created July 21, 2025, 8:12 p.m.

European Citizen Science (ECS) platform



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Created July 21, 2025, 8:12 p.m.

Updated July 28, 2025, 1:41 p.m.

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Thank you 😊

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LEARNING AND GROWING TOGETHER  
TO BE THE BEST WE CAN