Durham Climate Dashboard Data Upgrade

TRENT UNIVERSITY | **DURHAM REGION**

CITYSTUDIO DURHAM

Project Summary:

The project aims to support ongoing implementation and refinement of the Durham Climate Dashboard. This serves the emerging need for more comprehensive and up-to-date data on climate-related metrics to support informed decision-making and sustainable development efforts in the region. Also, liaising with staff and stakeholders to integrate additional data to the dashboard.

Project Goals:

- This project aims to enhance the dashboard's usefulness for both policymakers and the public.
- Enhance data accuracy and reliability on Climate Dashboard.
- Broaden data coverage to offer a holistic insight into environmental trends, encompassing areas such as electric vehicles, Durham Greener housing, and buildings.

Methods:

My methodology comprised of assessing current data sources, consulting sustainability team and stakeholders for input, and leveraging Kausal platform and Plotly for data management and visualization.

Outcomes:

- Improved accuracy and reliability of climate-related data on the Dashboard.
- Expanded coverage of metrics and indicators, especially # of EV chargers and Greener Buildings in Durham region.
- Increased awareness and engagement among stakeholders, leading to informed decision-making.

Why is this important?:

- Inform decision-making processes with accurate data.
- Allocate resources more efficiently based on findings.
- Remain agile in adapting to evolving sustainability priorities.