

Data and Asset Management

August 2021



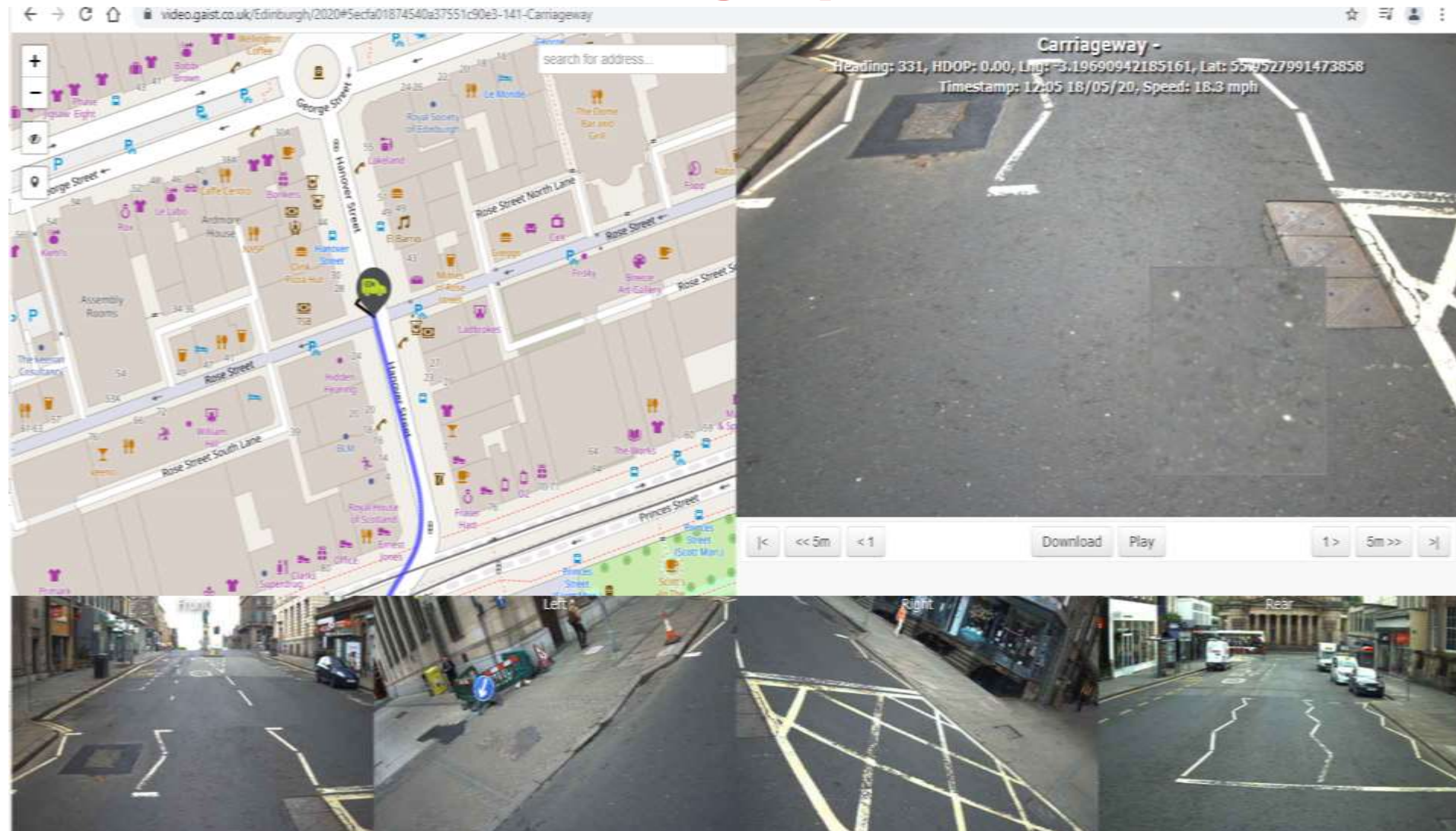
Roads Data in Edinburgh

- Detailed Visual Inspection (DVI) – Gaist
- Scottish Road Maintenance Condition Survey (SRMCS) – WDM Ltd
- Road Condition Index (RCI)
- Defect Repairs
- Accident Claims
- Safety Inspections
- Inspector Condition Assessments

Gaist DVI

The screenshot displays the Gaist DVI web application interface. At the top, the 'gaist' logo is on the left, and navigation links for 'Home', 'Import', 'Data Management', 'Admin', and 'Help' are on the right. Below the logo, there are tabs for 'Datasets', 'Filter', and 'HighwayView'. A search bar is present with a 'Search' button and a 'POI' checkbox. The main area is a map of Edinburgh, showing roads color-coded by condition. The map is zoomed to a level of 16. On the right side, a panel displays details for the 'Edinburgh 2020 CW' dataset, including its ID (5f1181486fd45f121846b9c0) and import date (Jul 17, 2020). A 'View Log' button is also visible. On the left side, there is a sidebar with a search bar for datasets, a 'Clear All' button, and a 'Recent Datasets' section where 'Edinburgh 2020 CW' is selected. Below this, there are sections for 'Assets', 'Condition Data' (with 'Edinburgh 2020 CW' selected), and 'Imagery'. At the bottom of the map, coordinates are shown: East: 367647.17, North: 504662.01, Latitude: 54.436345, and Longitude: -2.500293. The bottom right corner of the map area shows the number '29/37'.

Imagery



Data Issues/Barriers

- A lot of Data in different places and platforms.
- Bringing all the data together.
- Data visualisation.
- Important to have staff buy-in.
- User friendly.
- Draw in relevant data.

Edinburgh & Confirm

- Carriageways & Footways, Structures, Street Lighting, Parks & Greenspace, Waste.
- Safety Inspections & Defect Repairs.
- Capital Investment – Next step

- Spectrum Spatial Analysis (SSA)

Using Data Effectively

- Data brought together from numerous sources.
- Better inform investment strategies and roads asset management policies:
 - Capital investment ↔ Revenue Investment
- Better capital renewal scheme decision making (analysis of SRMCS and DVI).
- Data visualisation is very user friendly.
- Data verification.

Other Data Sources

- Edinburgh World Heritage Site
- Conservation Areas











Other Data Sources

- Developer Contributions (S75)
- Other local authority investment priorities:
 - Active Travel
 - Road Safety
 - Placemaking
- Local Development Plans

Summary

- Always have a strategy for using data.
- Use multiple data sources to build up effective investment strategies.
- Accurate data will lead to effective cost savings.
- Have confidence in data.