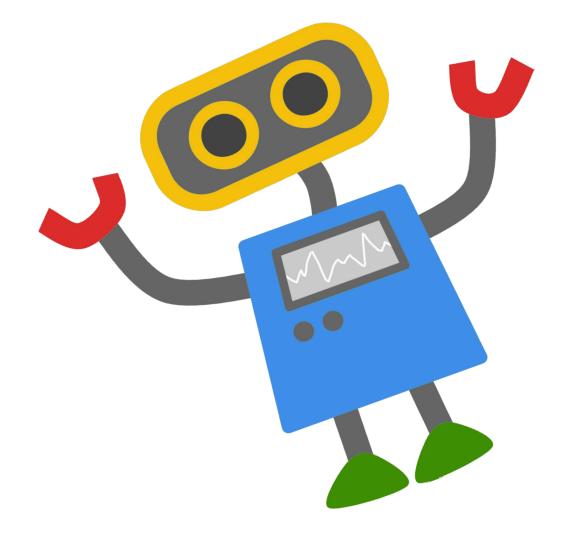
If you don't measure it..

Data processing - near real time delivery, interdependence, Al and Machine Learning



Ed Parsons

Geospatial Technologist eparsons@google.com @edparsons





e Rourts

About me..

ED PARSONS Geospatial Technologist, Google



About me..

- **University College London**

- Senior Lecturer, Kingston University

ED PARSONS **Geospatial Technologist, Google**

Google's Geospatial Technologist since 2007

Director of the Open Geospatial Consortium, past co-chair of W3C Geospatial Data Working Group, member of the UK **Government Open Standards Board, and Visiting Professor at**

Chief Technology Officer of Ordnance Survey (GB)

EMEA Applications Manager, Autodesk

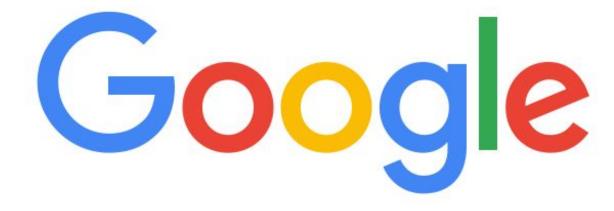


About Google..



"organise the world's information and make it universally accessible and useful"





Geography

Google Search

I'm Feeling Lucky



















Beware!







Data not Opinion!





Of Enterprise data is never used...

Seagate Inc, 2020 "Rethink Data: Put More of Your Data to Work—From Edge to Cloud"



Al everywhere..



Feature recognition & extraction..



Mobility Data & Human insights..





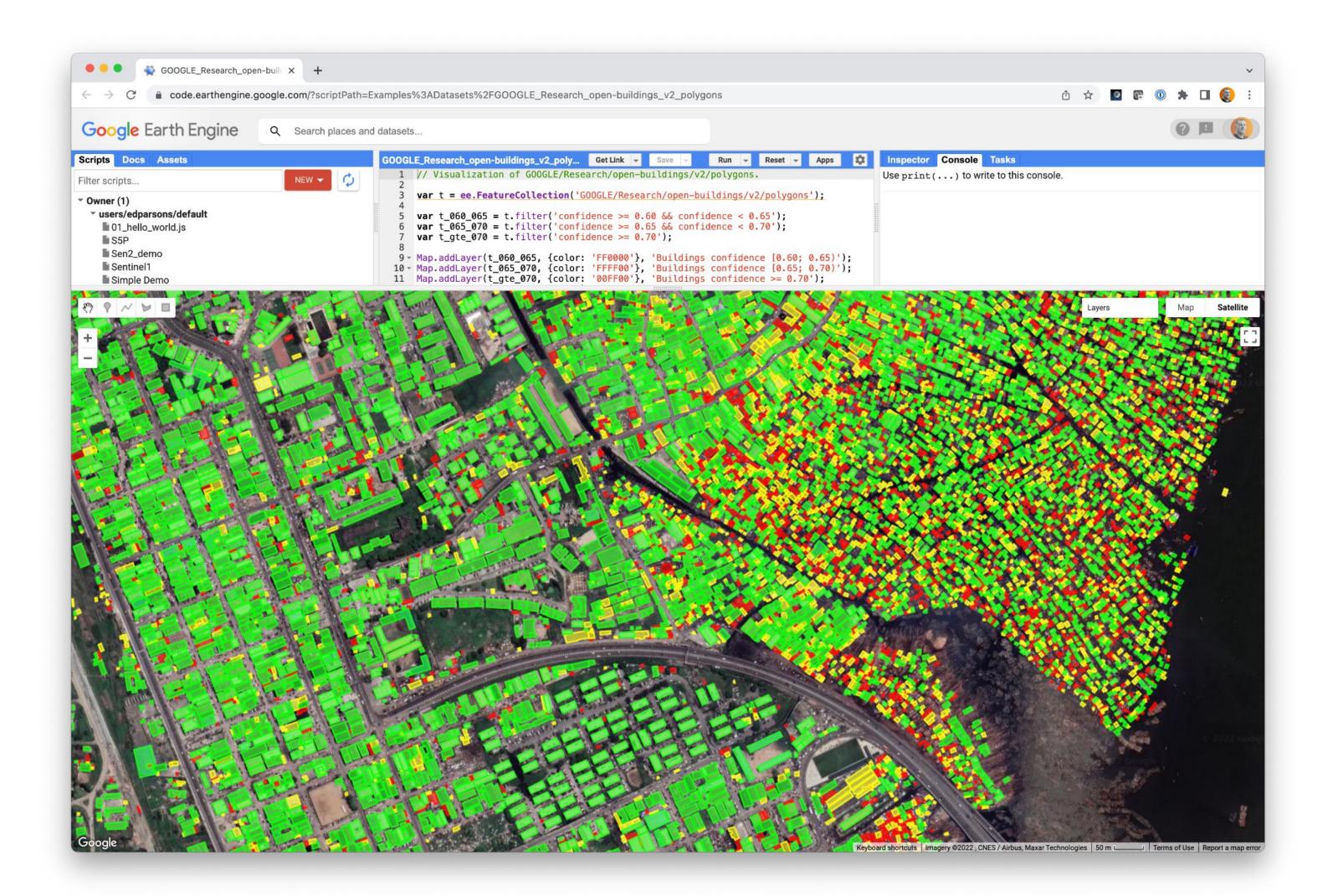












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Actionable..

Supercharging ^{Time remaining to continue trip} **7 min** 20° C 17:45

60 mi



Digital Decarbonisation

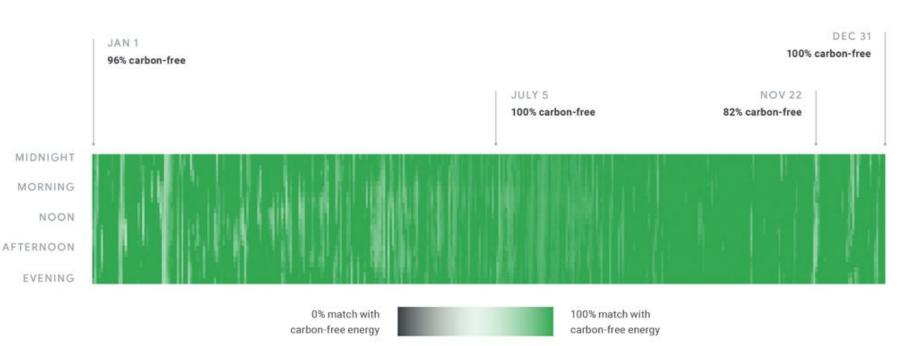
Transport, where digital tech plays a key enabling role in 60-70% of the needed CO2 reductions and helps to save energy

Buildings, with tech enabling 30-35% of the needed CO2 reductions, for example by saving energy and supporting the shift away from gas

Agriculture, where digital tech is in its early phase, but can play an enabling role in 20-25% of the needed CO2 reductions

Factories and supply chains, where tech enables 10–15% of the needed CO2 reductions

Implement Consulting, 2022 "Digital Decarbonisation"

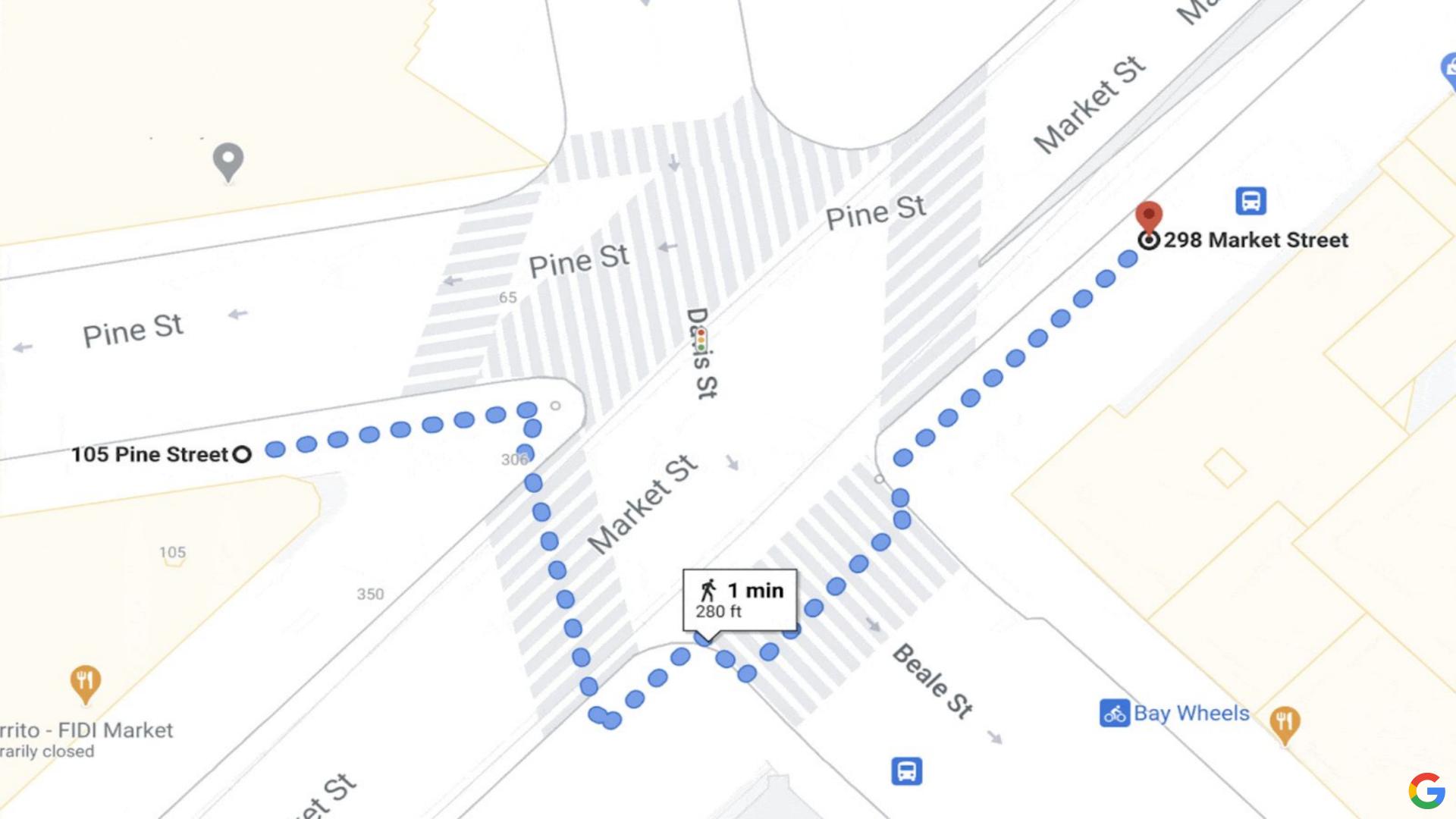


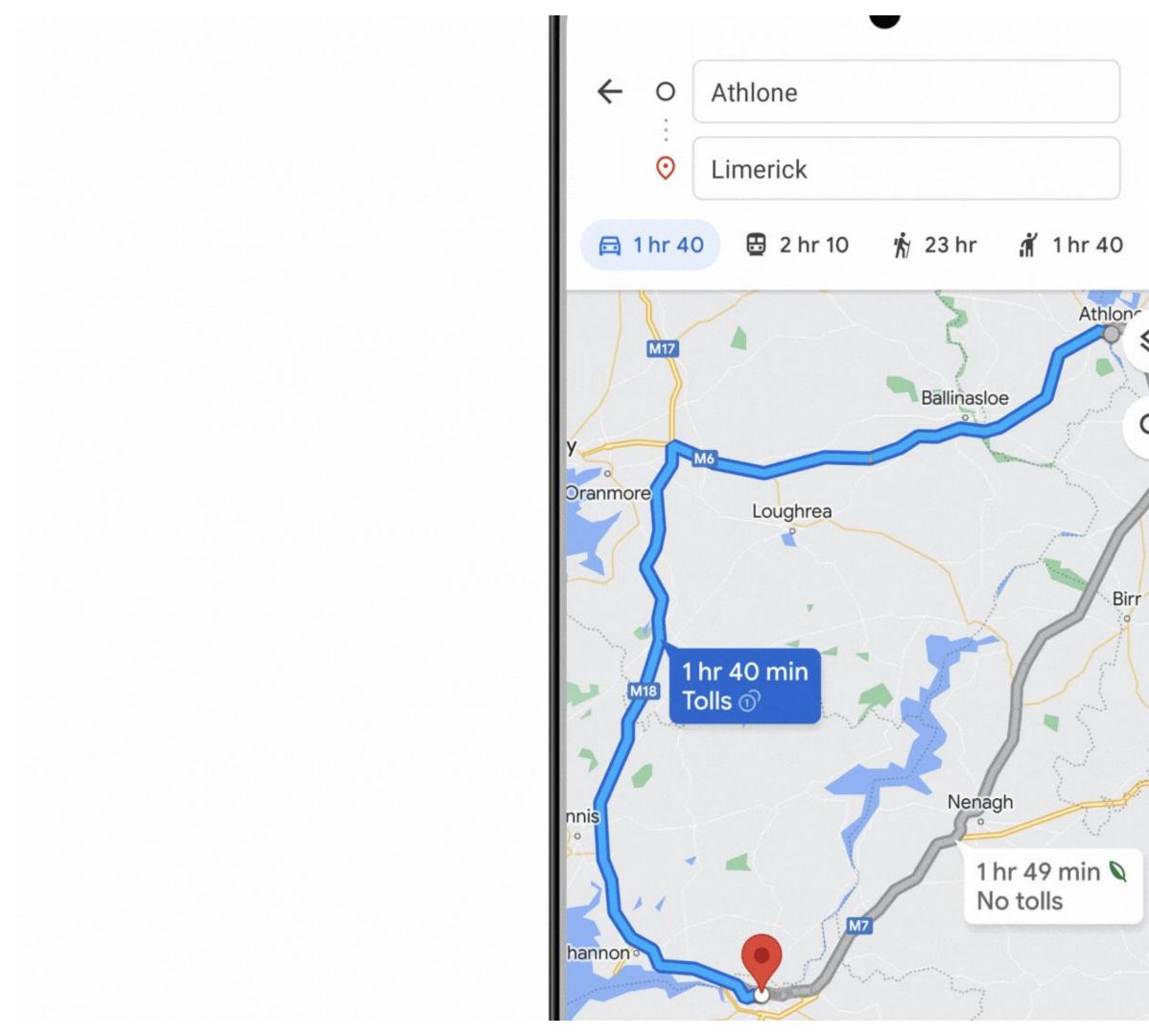
Every hour of electricity use at Finland data center in 2017

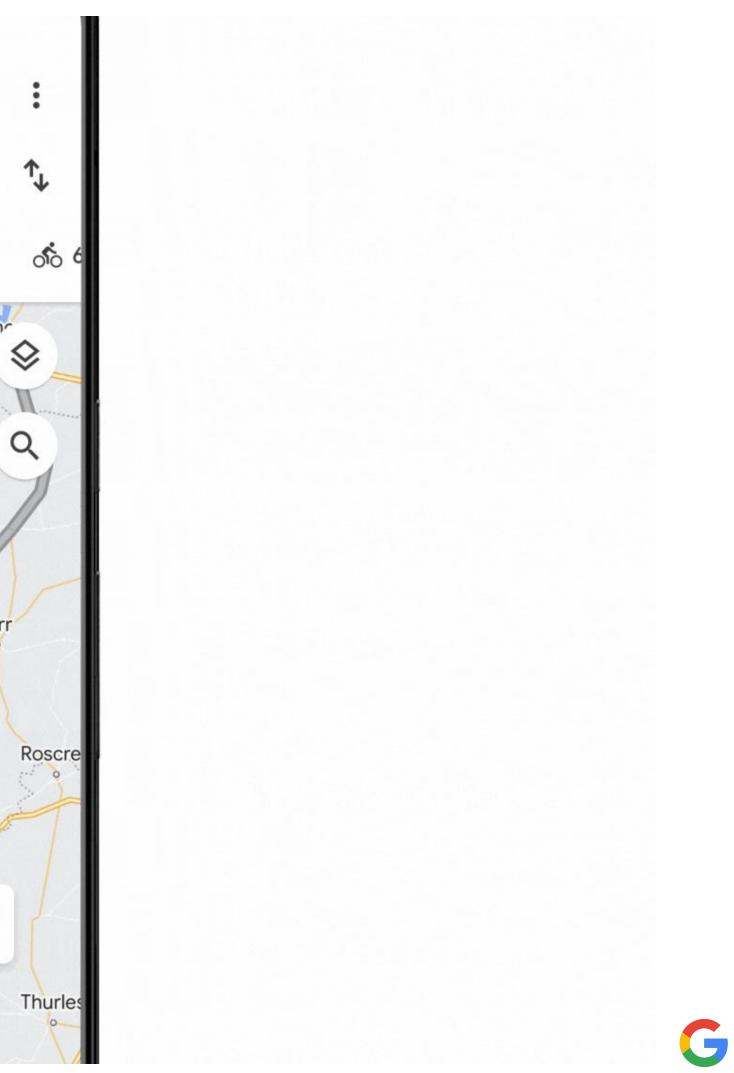




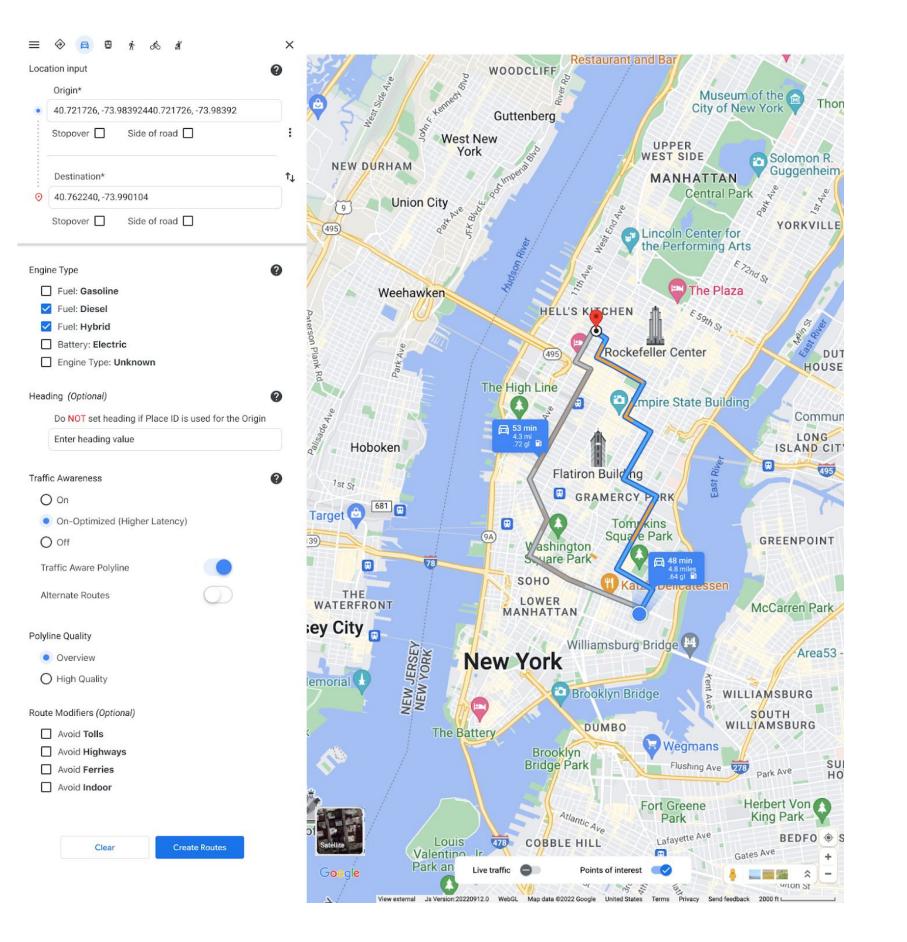
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Mobility API's



- \bullet

Average fuel or energy consumption based on regionally representative vehicles per engine type (petrol or gas, diesel, hybrid, or electric)

Steepness of hills on your route

Stop-and-go traffic patterns

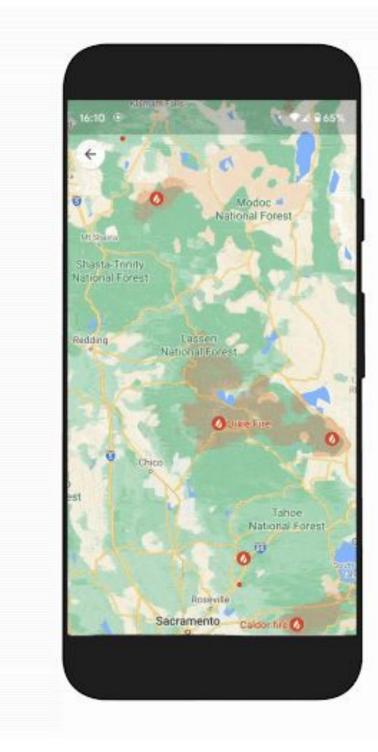
Types of roads (such as local roads or highways)



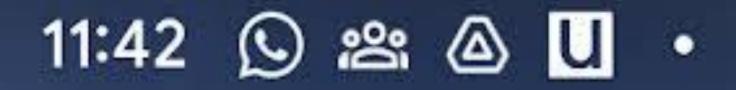












Earthquake: Expect shaking - Est mag 4.9, ~38.6 miles away









Sports Drug

anness,

an Fride

-

Date Sid, KOAA, U.S. Navy, NGA, GEDCO Image: Skish-PCoperateur Dita MRAR Dita LOED-Columb a, NSF, NOAA



Tools for decision makers.





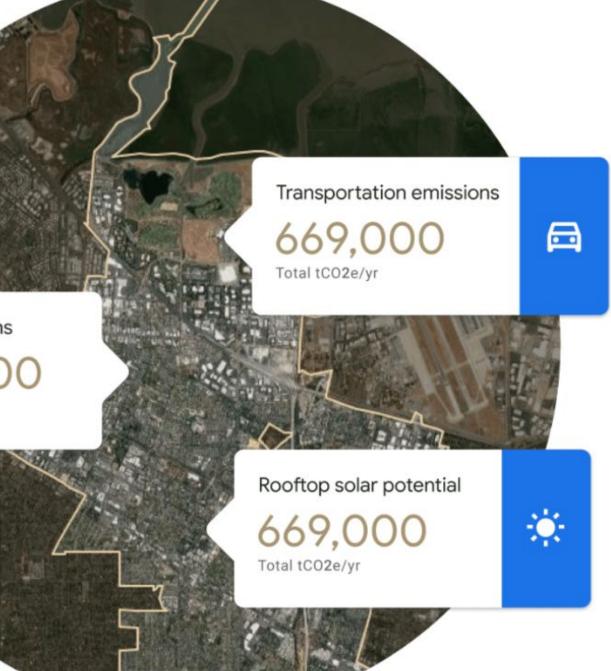


Environmental Insights Explorer (EIE) uses exclusive data sources and modeling capabilities in a freely available platform to help cities and regions measure emission sources, run analyses, and identify strategies to reduce emissions — creating a foundation for effective action.

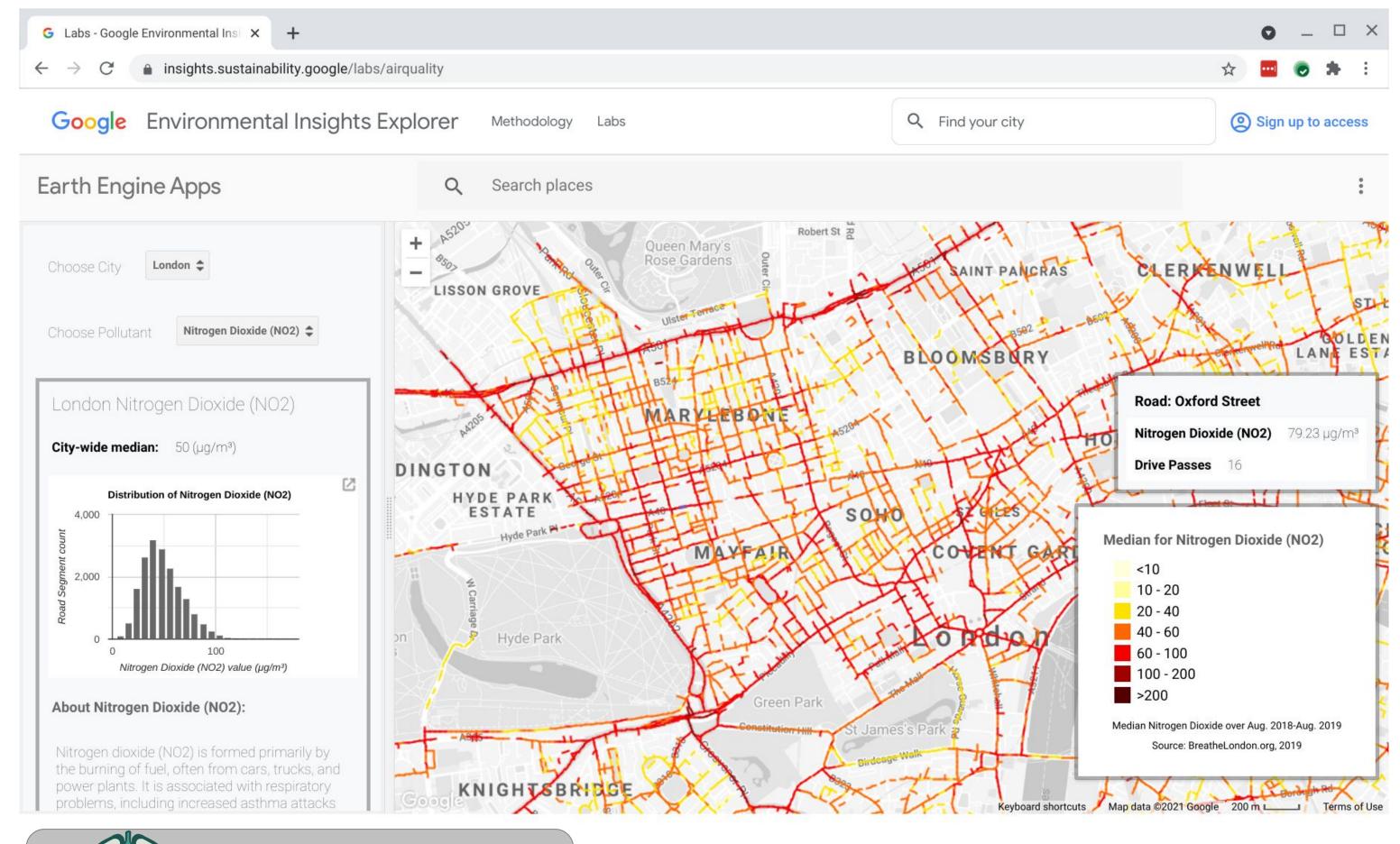






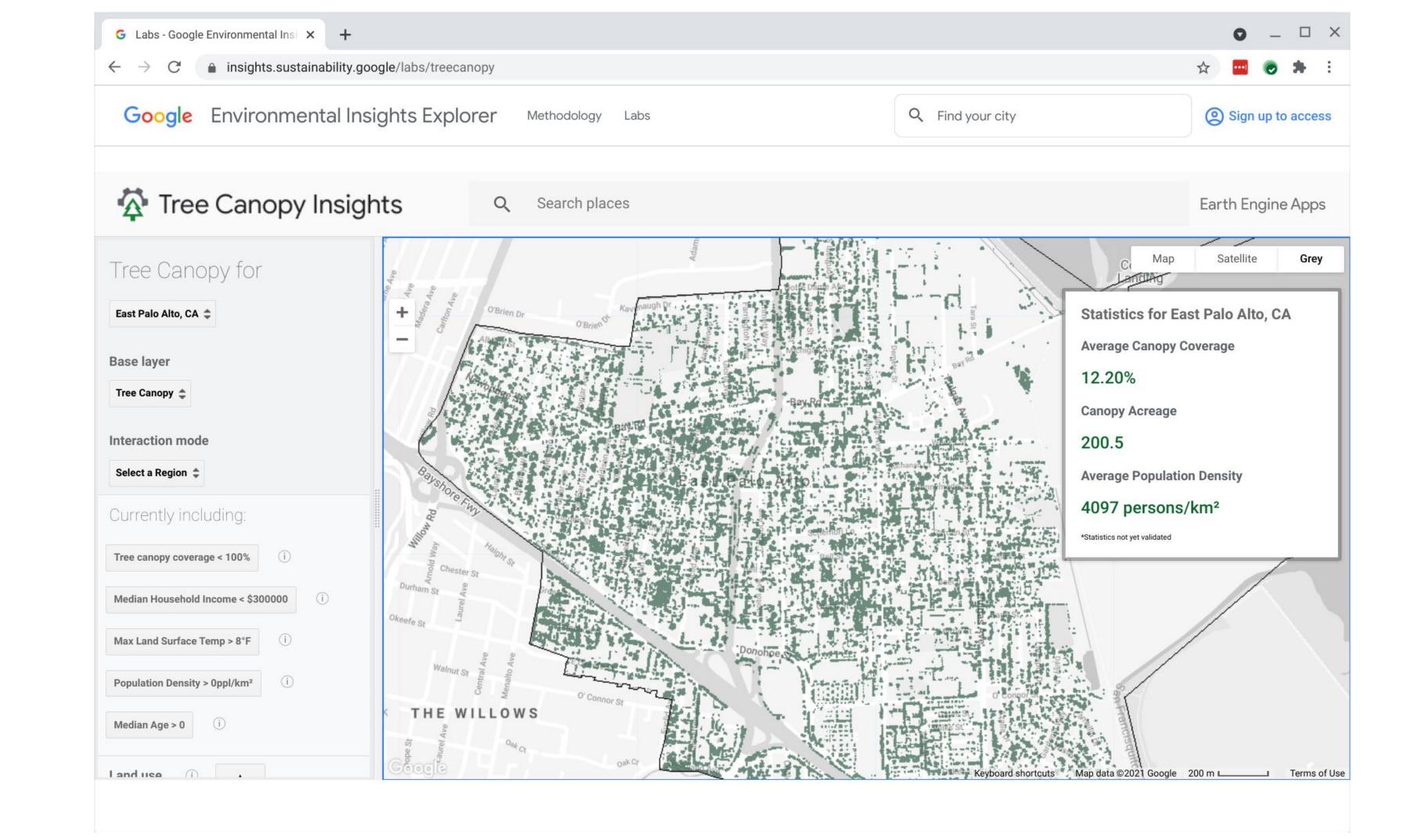






Breathe London the community sensing network





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Thank you..



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