

SENSOR COMMISSIONING TOOLKIT FOR COMMUNITIES

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IAPSC Conference 2018 Thursday 22nd of Nov

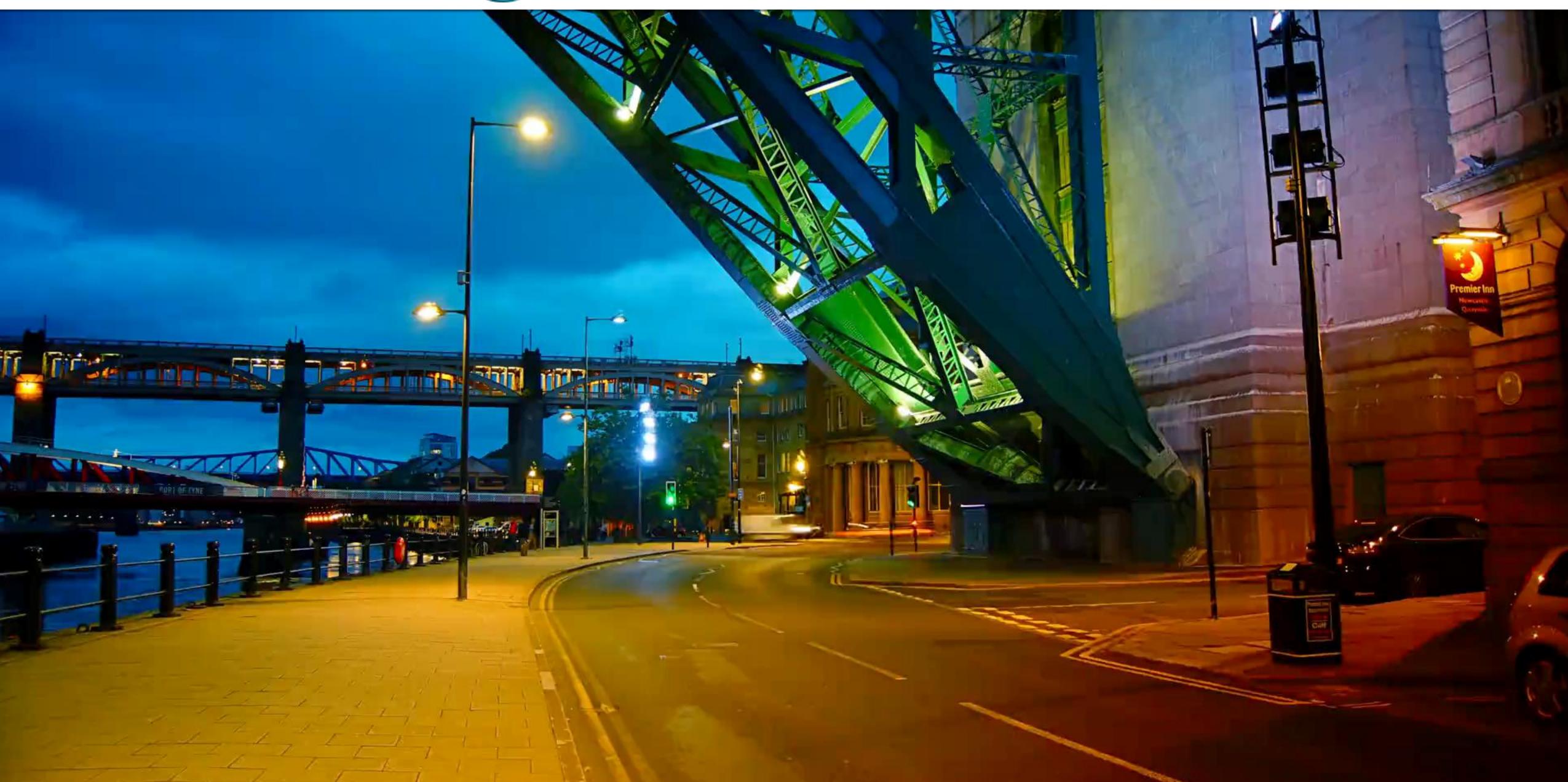




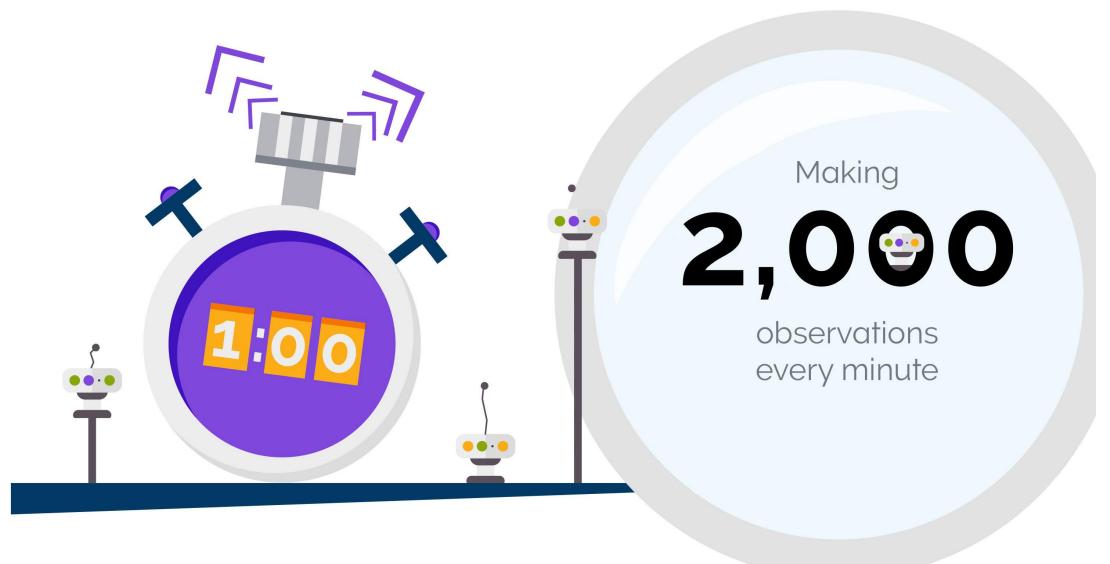


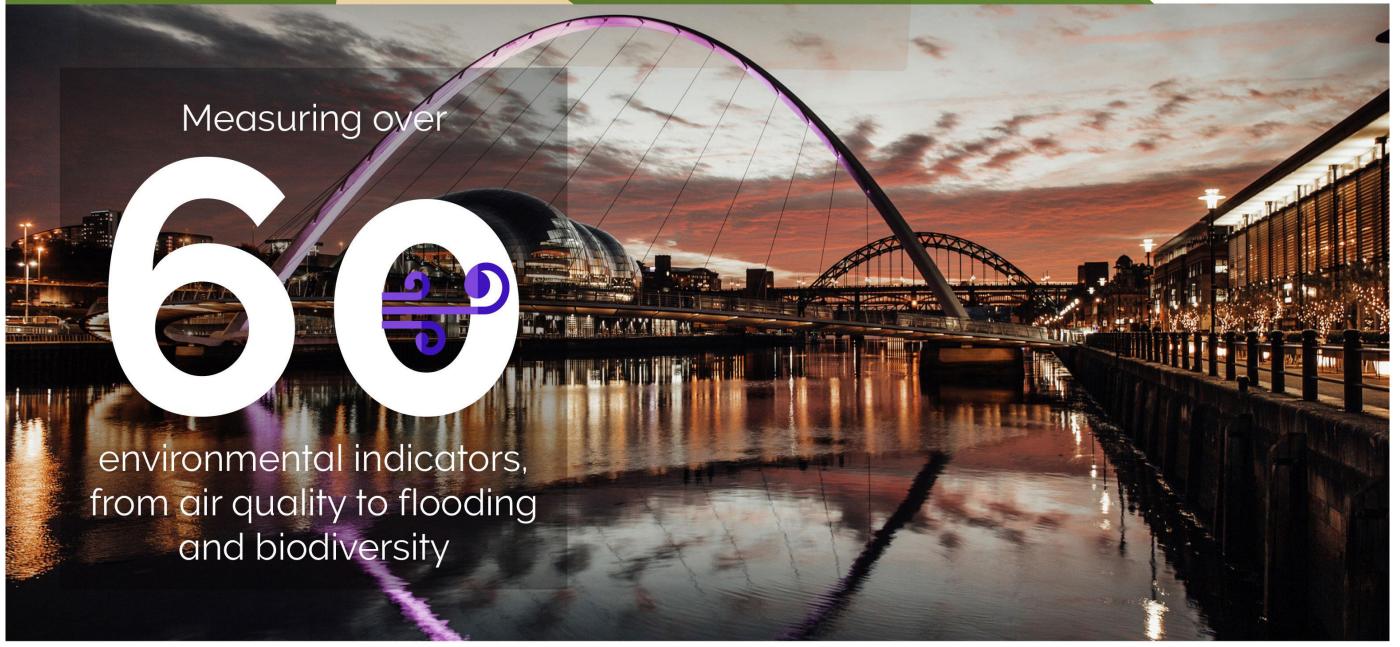












In fact,

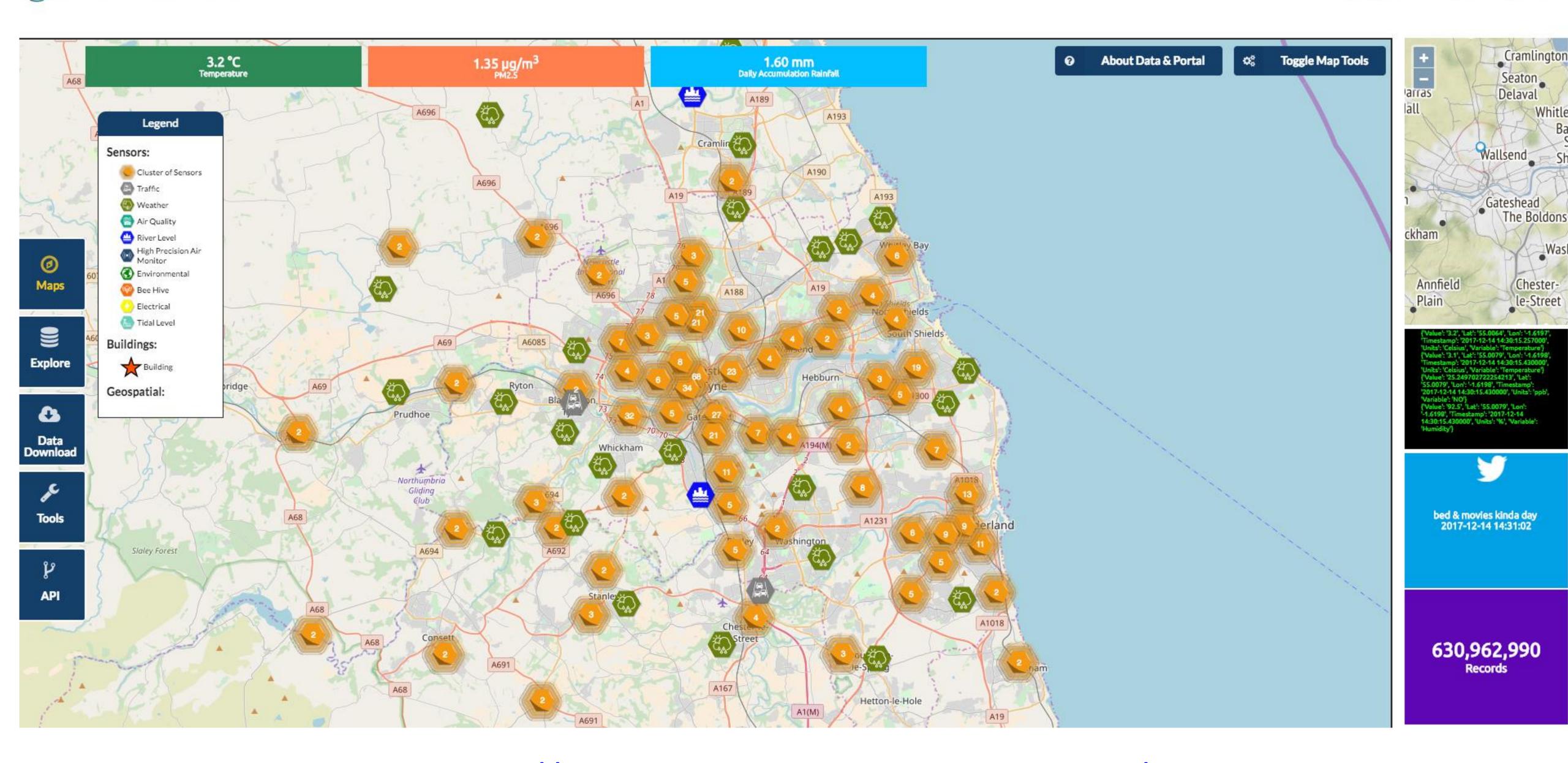
OGGG

MILLION

observations
have been made so far

https://ncl.ac.uk/who-we-are/vision/urban-observatory





http://newcastle.urbanobservatory.ac.uk/

Level 4 'Extreme Citizen Science'

Collaborative science – problem definition, data collection and analysis

Level 3 'Participatory science'

Participation in problem definition and data collection

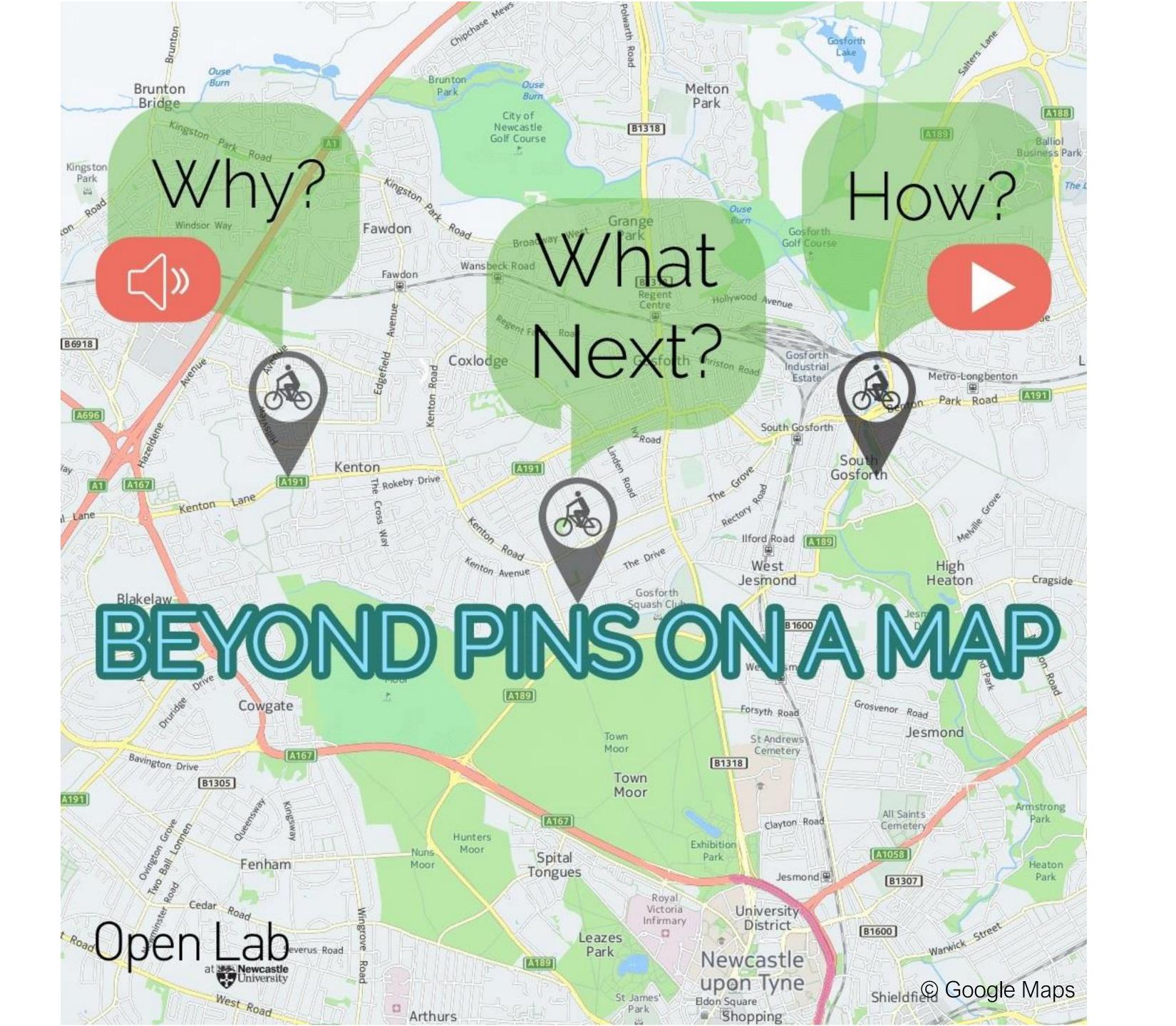
Level 2 'Distributed Intelligence'

- Citizens as basic interpreters
- Volunteered thinking

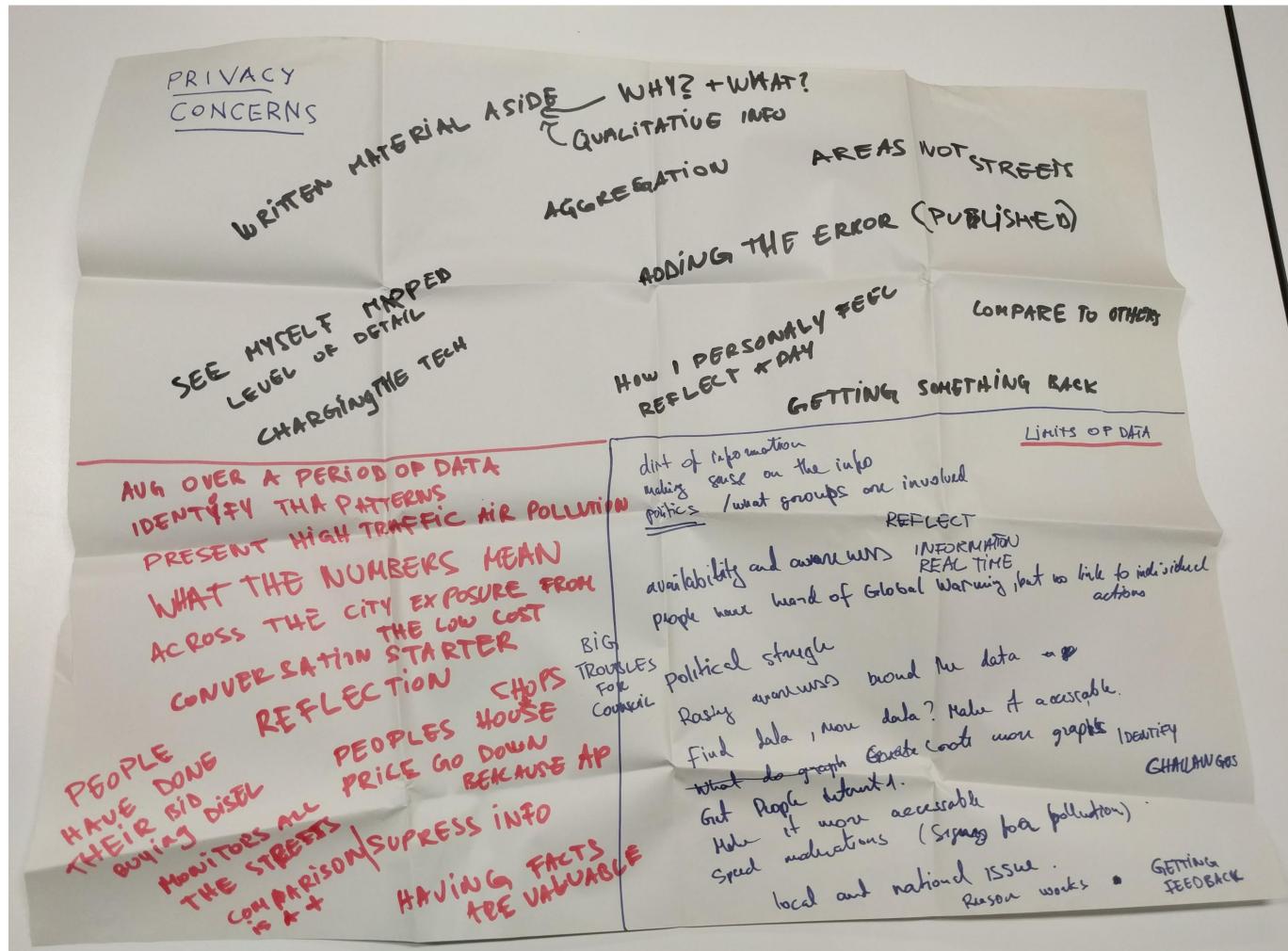
Level 1 'Crowdsourcing'

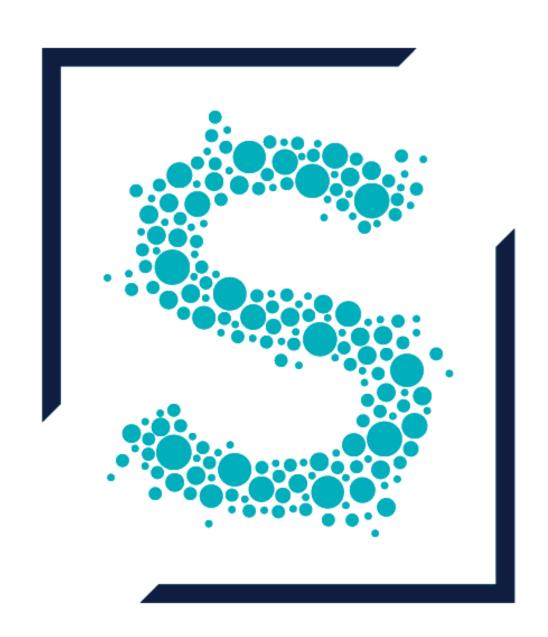
- Citizens as sensors
- Volunteered computing

(Haklay, 2013)





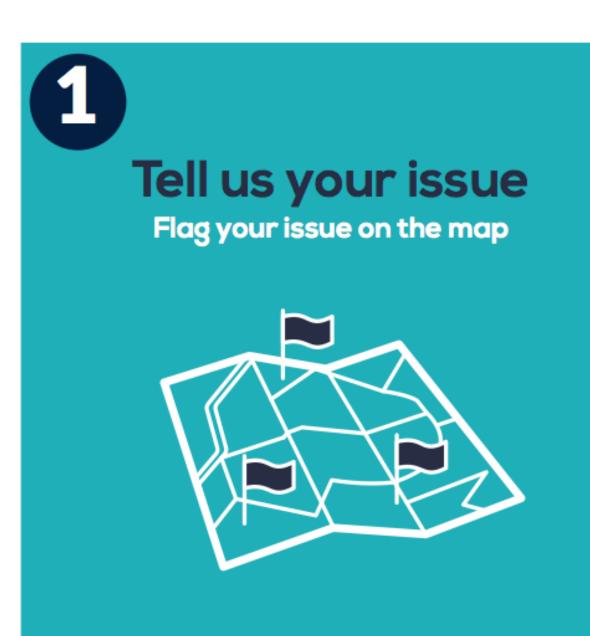




SENSEMYSTREET

DATA FOR EVERYONE

SensemyStreet is a toolkit developed in collaboration between Open Lab and the Urban Observatory at Newcastle University. Toolkit enables citizens communities and local Urban commission from the sensors Observatory, on their local streets to collect evidence for informing or even changing the community. For the first time, the public has access to precision equipment to gather data relevant to their local issues.

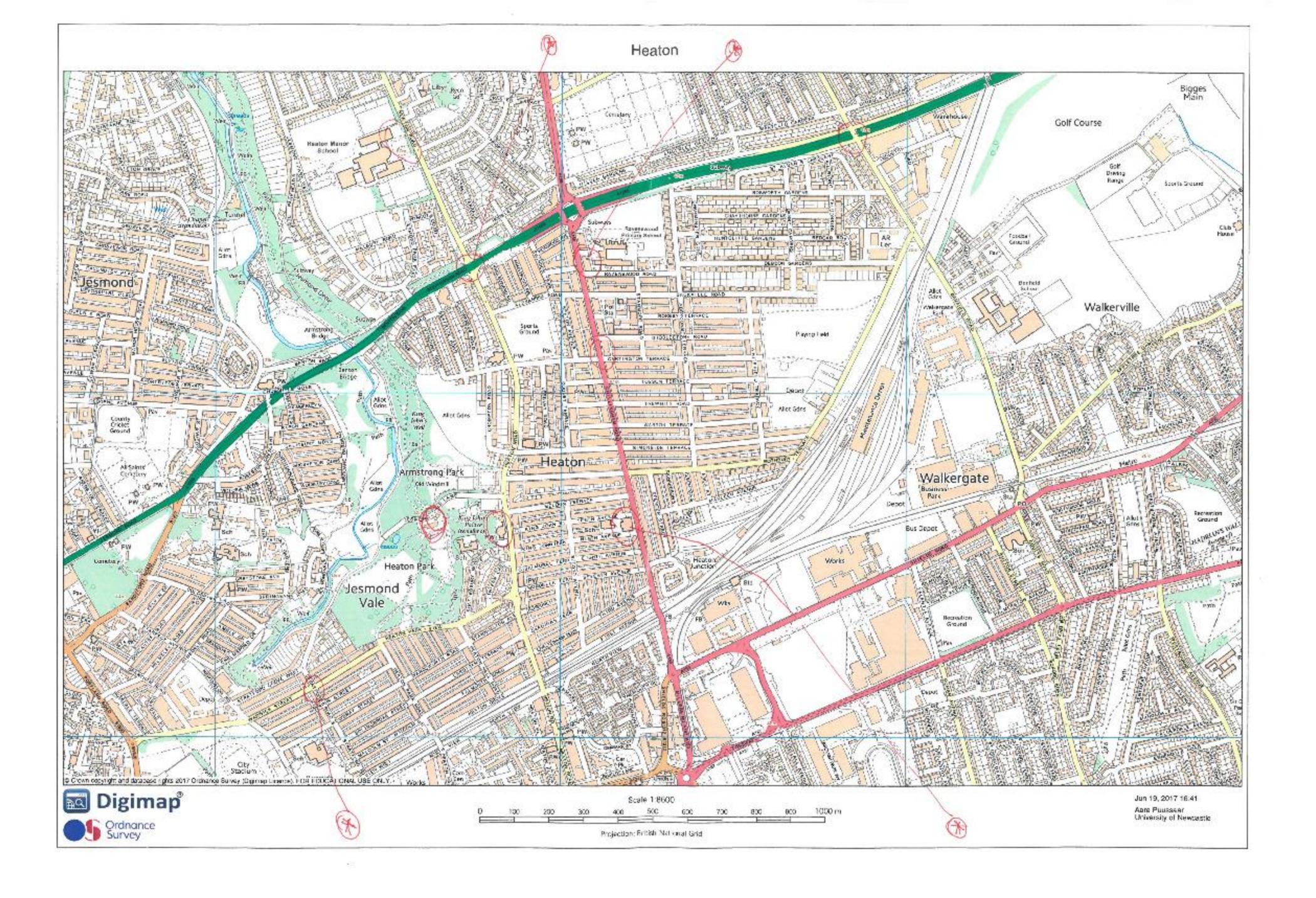








https://sensemystreet.uk



Air pollution Bid

The desire for data to help residents make decisions



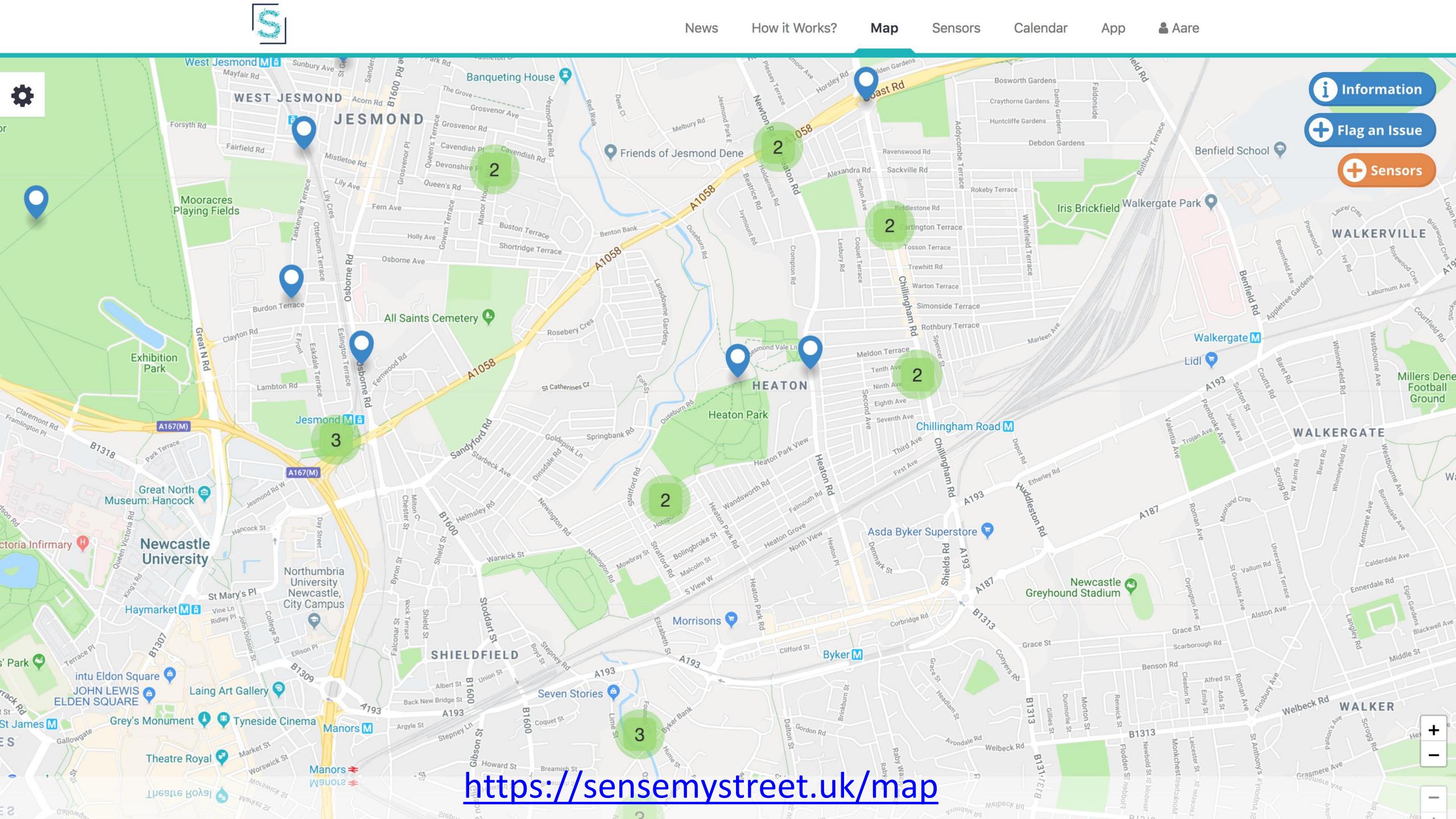


Identify neighbourhood areas

Recieve hand-held

Conduct preliminary sensing

Negotiating within the Community





SenseMyStreet

* Required

Equipment and Measuring

See what sensors are available and when - https://goo.gl/LfYFk8. We are working hard to acquire more sensors for the toolkit. Please specify the time and the areas you would like to collect measurements from.

Loan start date *

Maximum time for the loan is one month at a time.

Date

dd/mm/yyyy

Loan end date *

Maximum time for the loan is one month at a time.

Date

dd/mm/yyyy

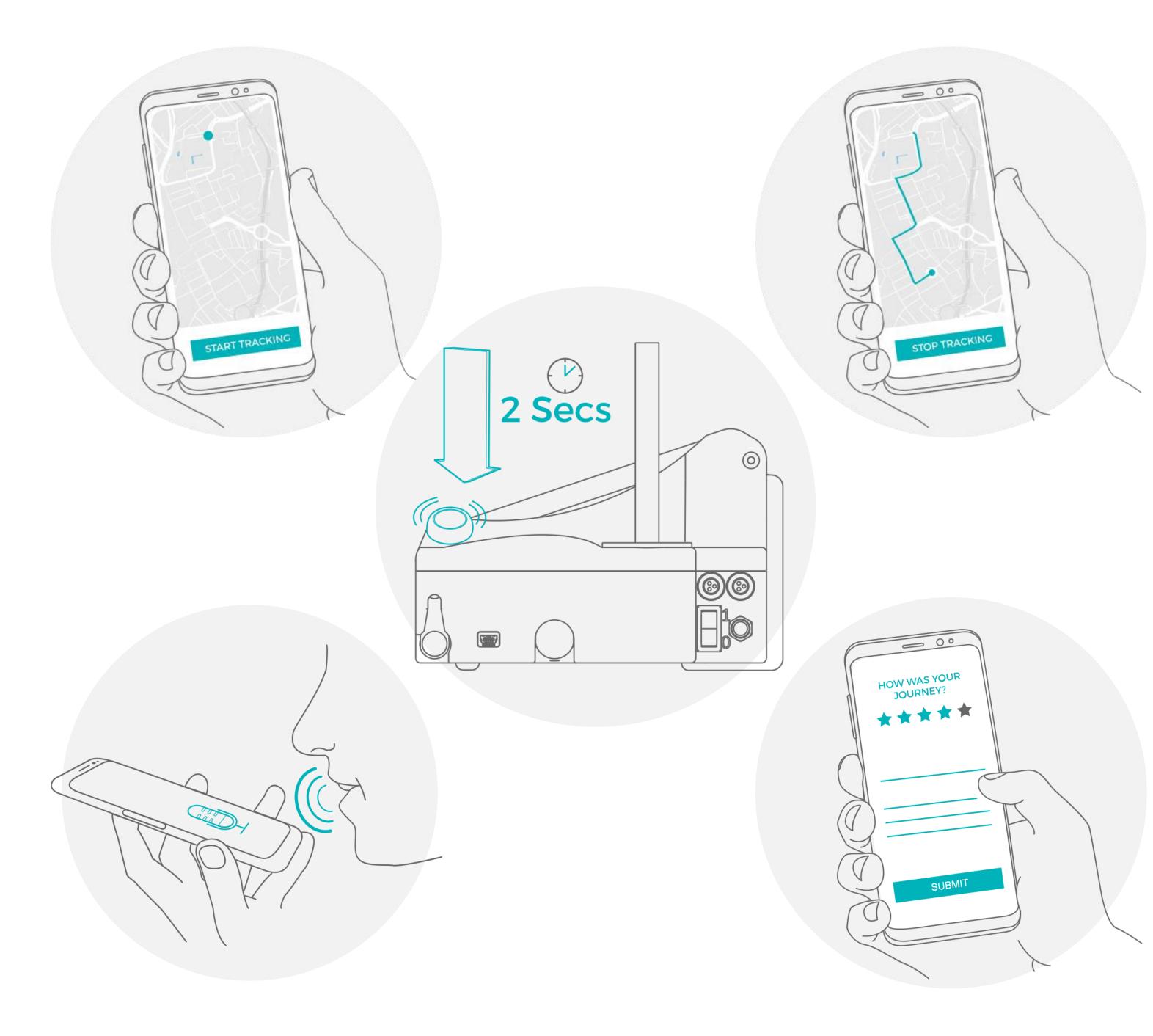
Choose the neighbourhood areas you to want cover *

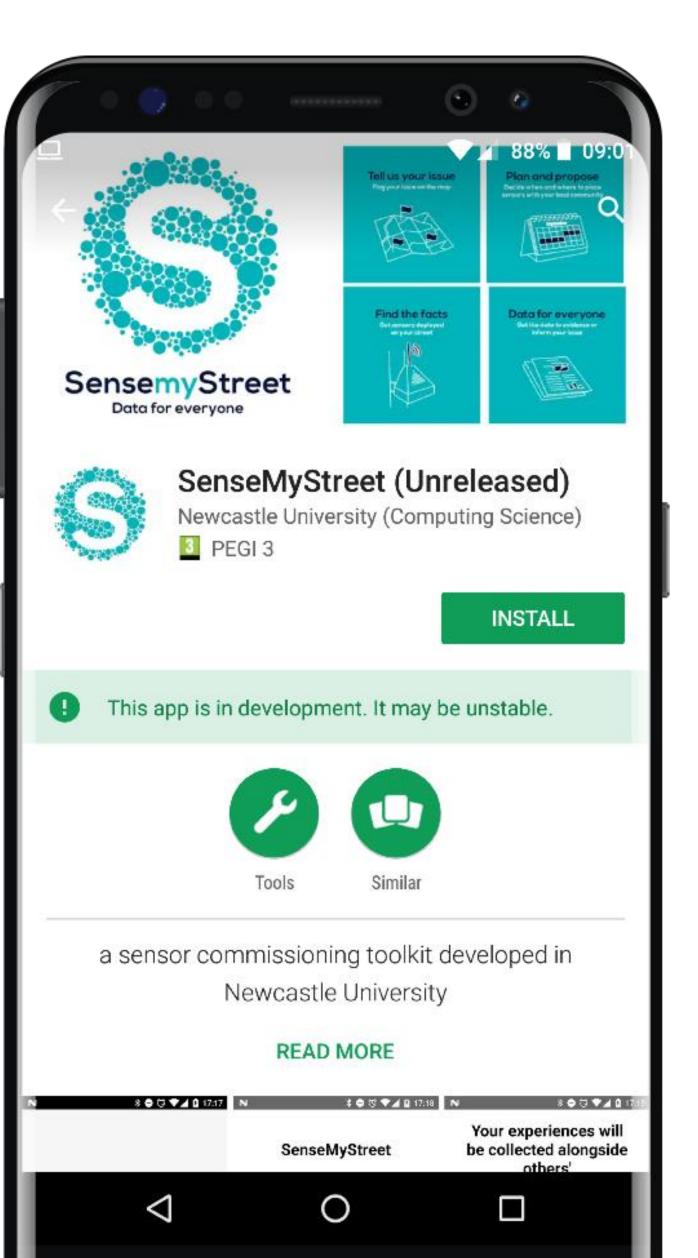
If the areas you are interested in are not yet mapped, head to https://sensemystreet.uk/map and flag the issues.





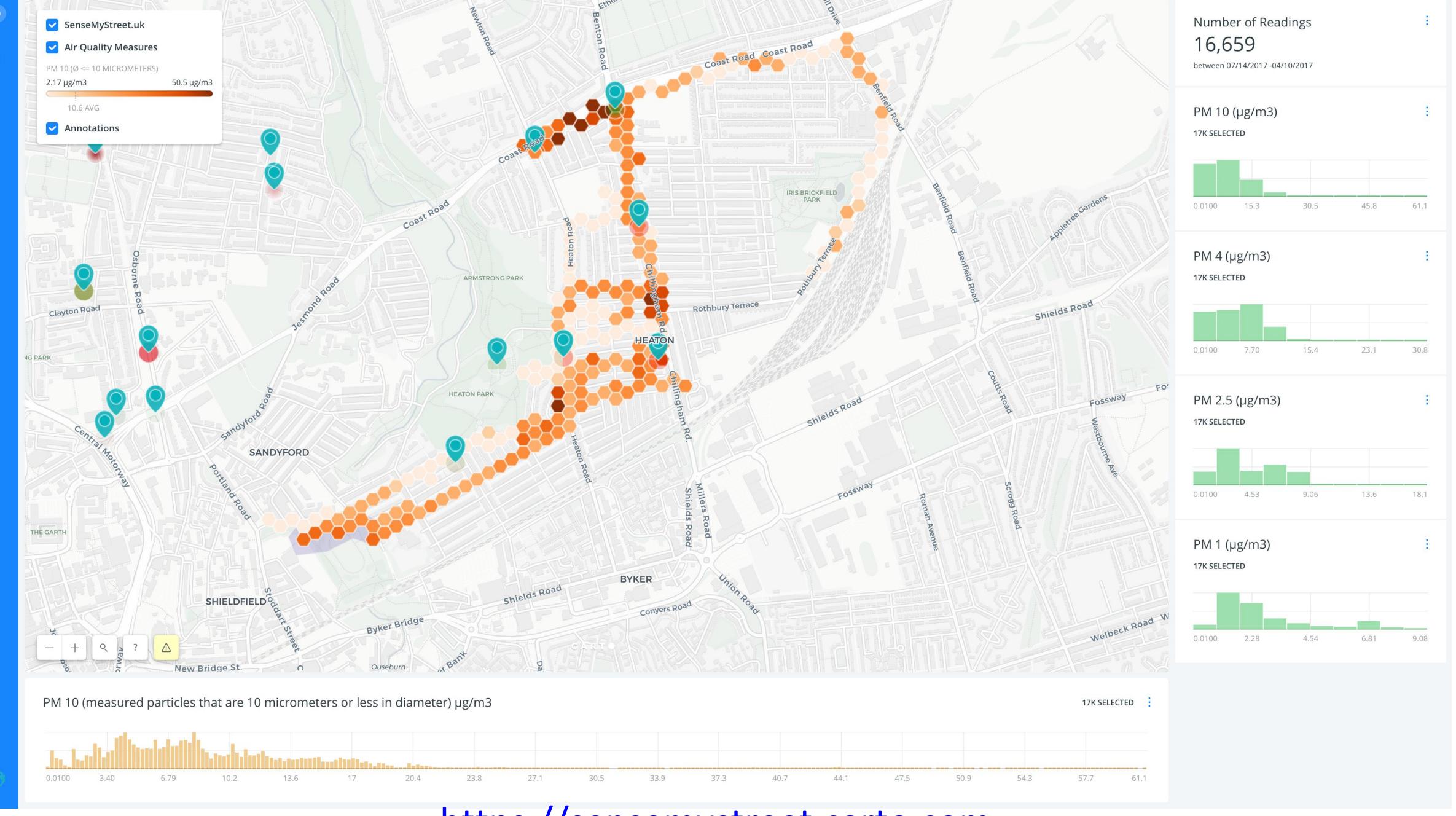
https://sensemystreet.uk/sensors











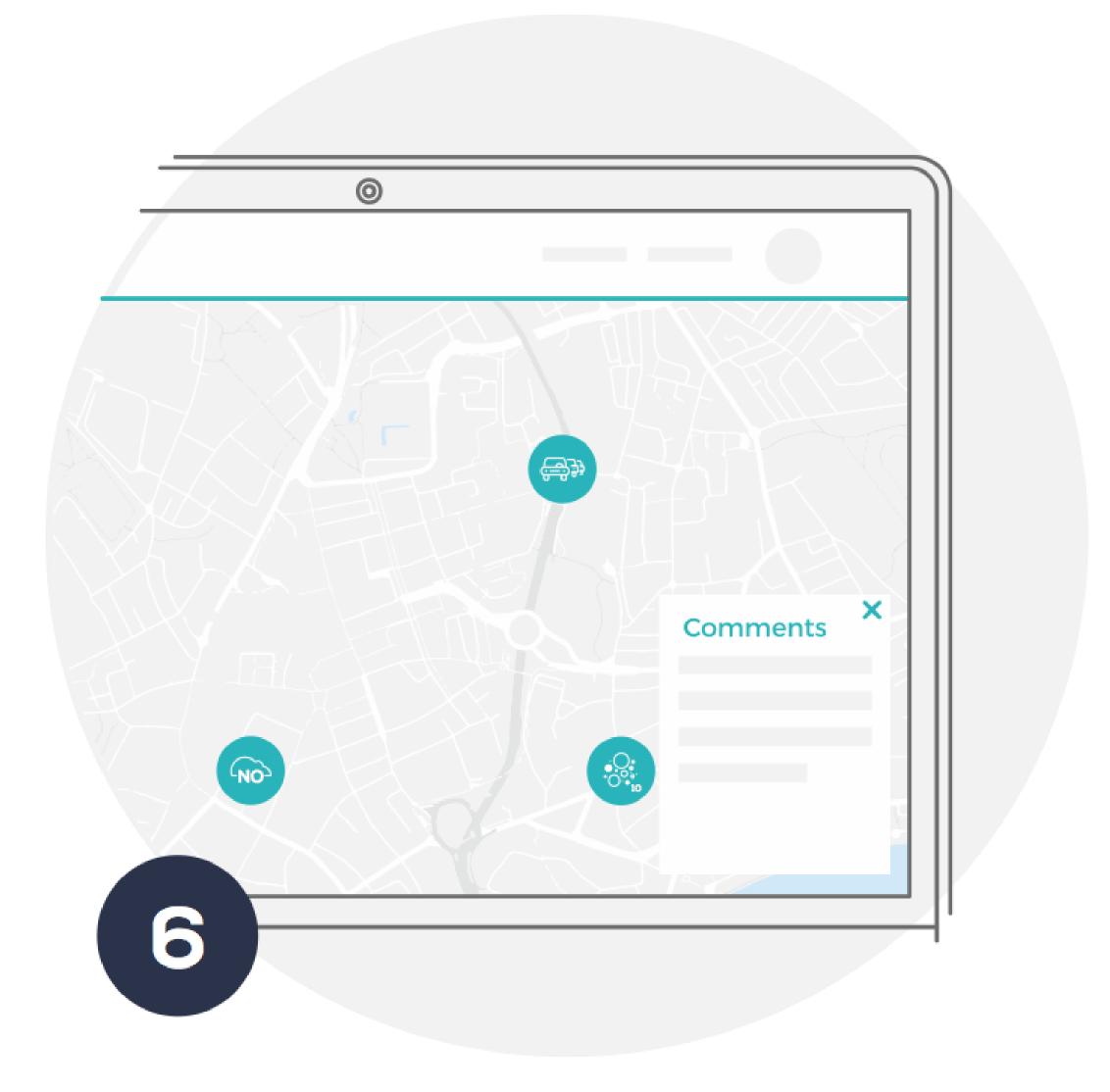
https://sensemystreet.carto.com

Plan and propose

Decide when and where to place sensors with your local community



Plan/Target areas. Issues ->sensors



Negotiating with Urban Observatory and other stakeholders





Collaborate

An online space to form ideas, ask questions and make decisions.

Learn More

https://sensemystreet.ideaboard.co.uk





Getting approval for putting the sensor in place



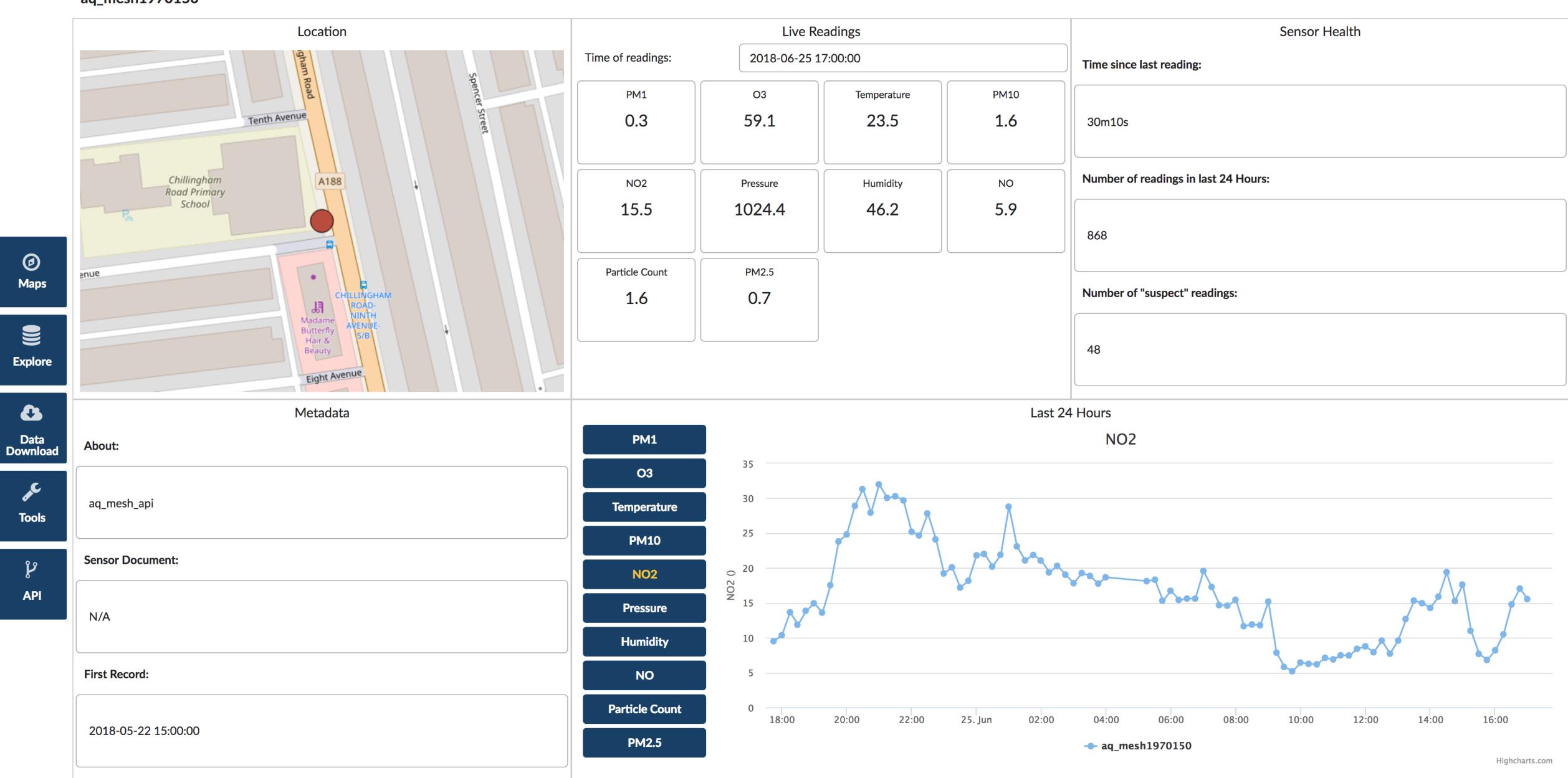








aq_mesh1970150



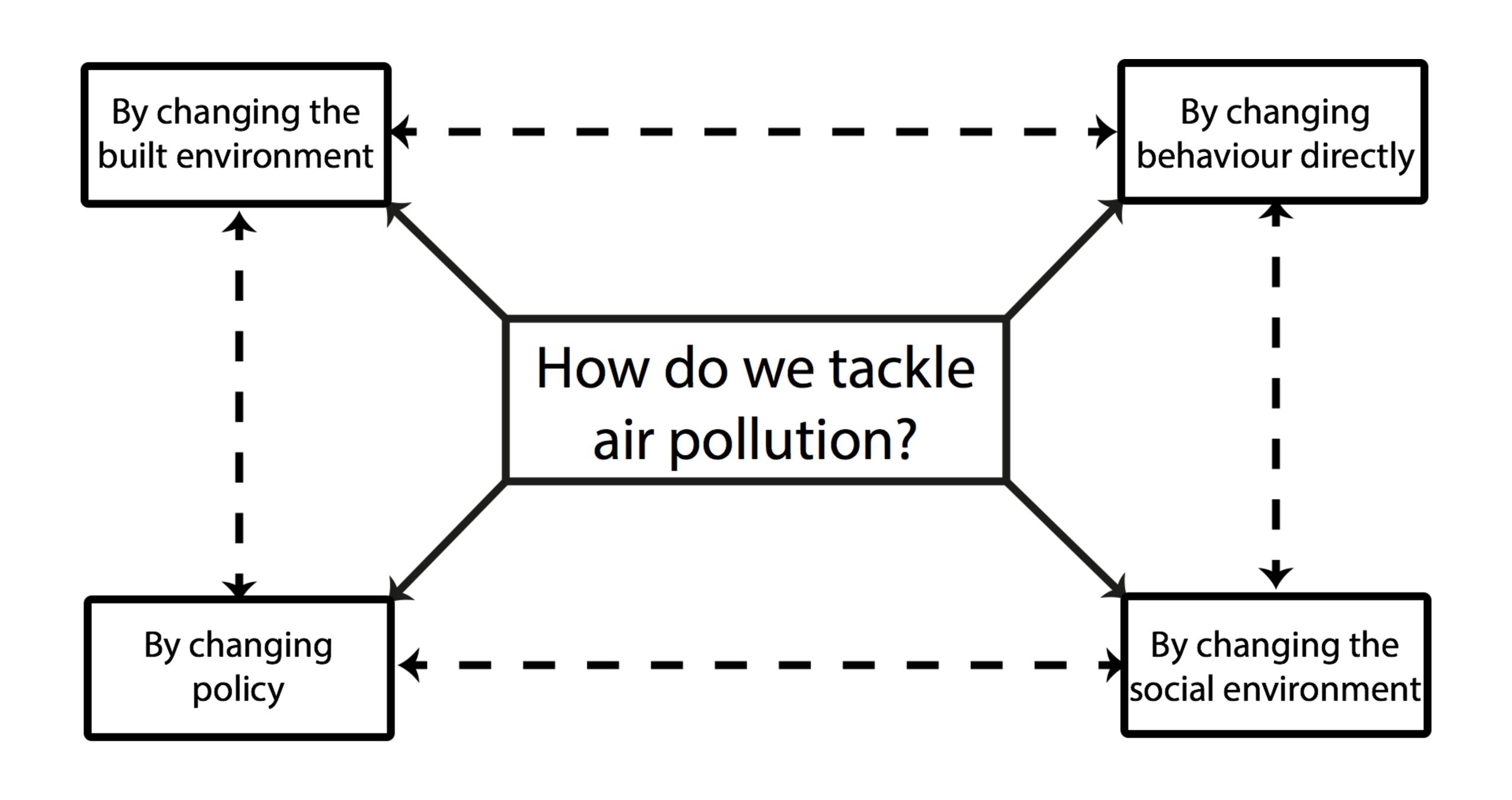
Data for everyone

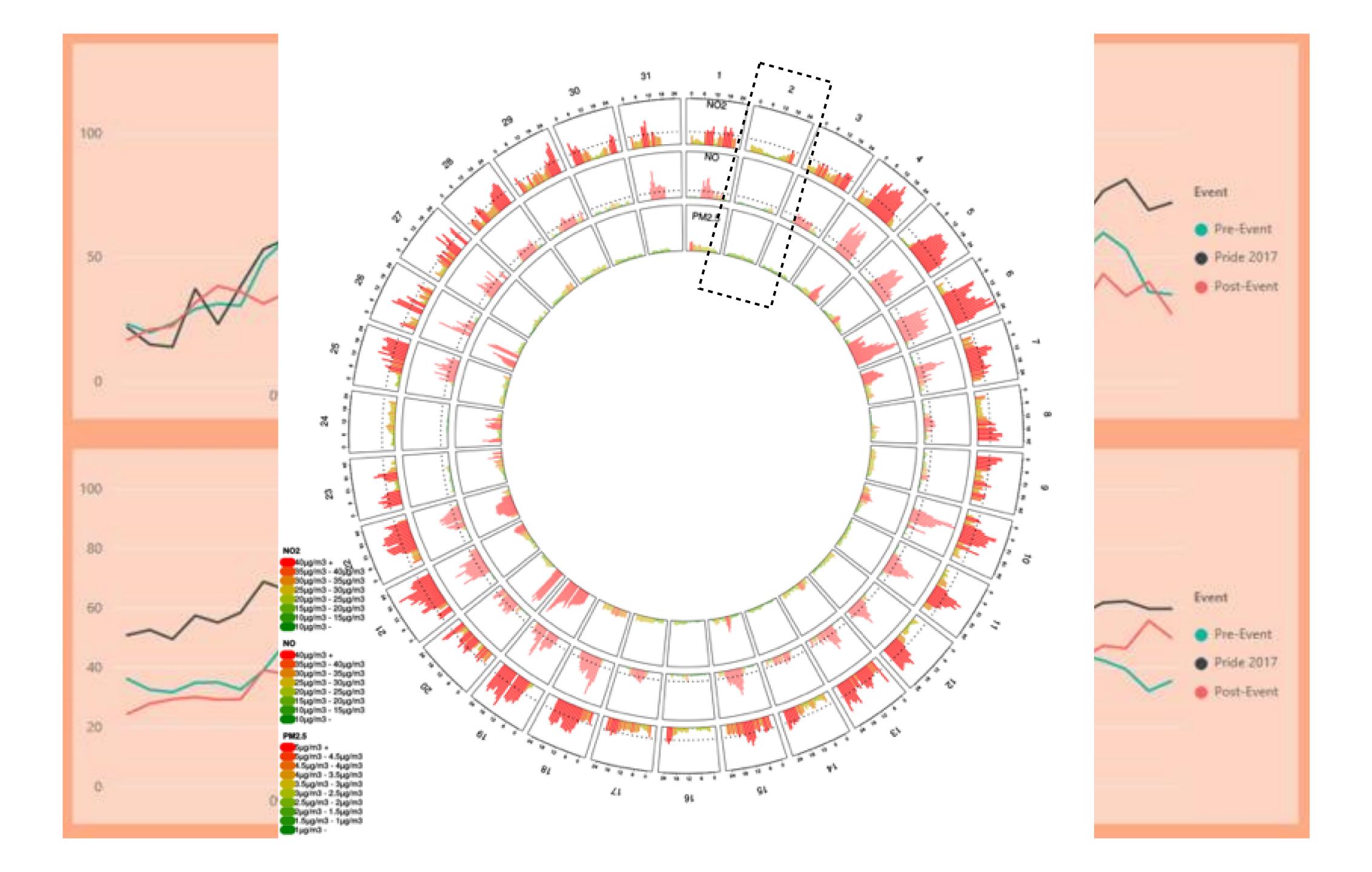
Get the data to evidence or inform your issue

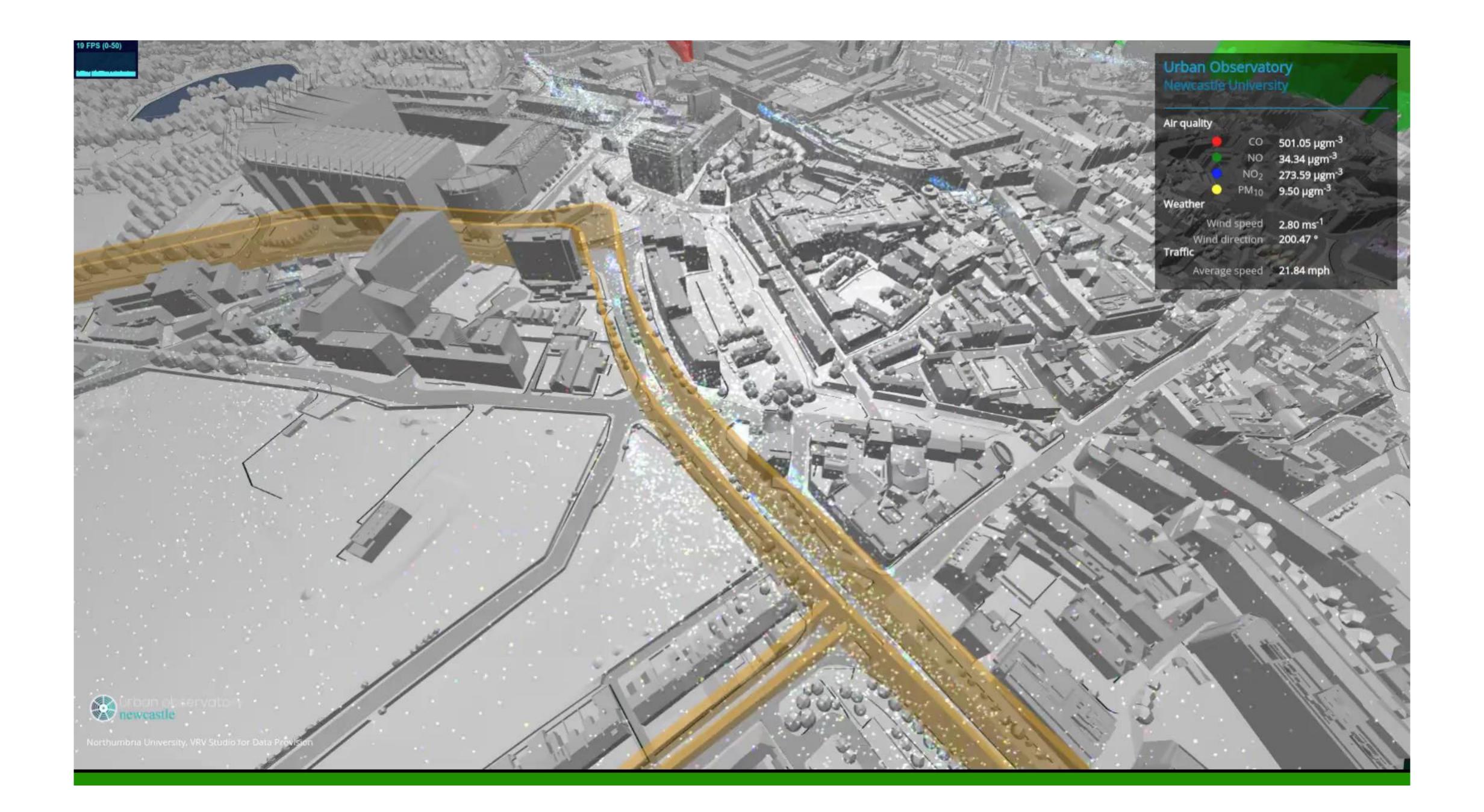


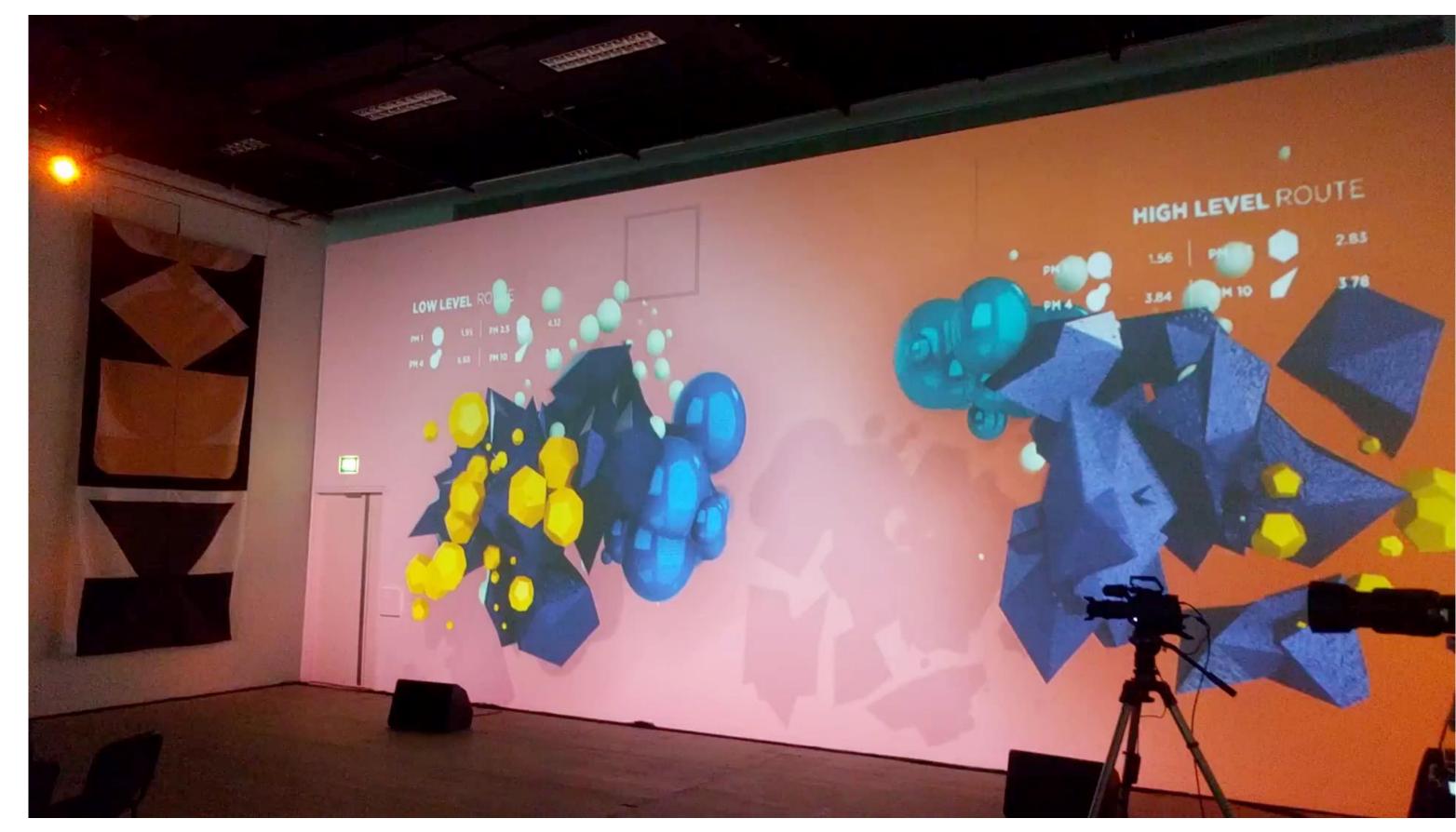


Tools for sensemaking and making data actionable









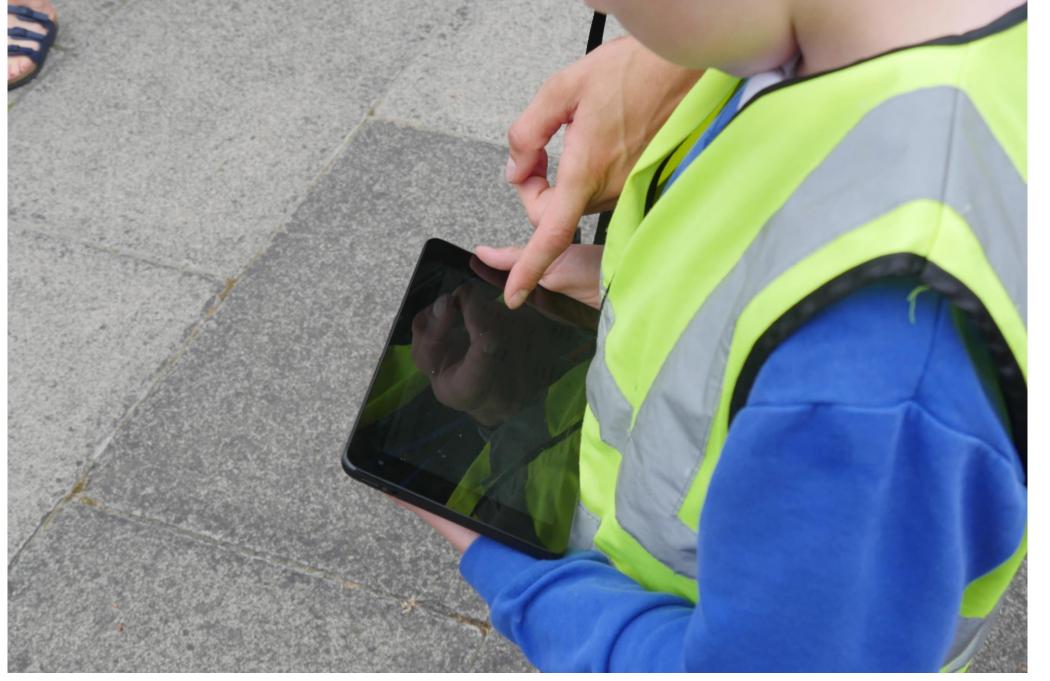


https://vimeo.com/236657773

Google #SPAN17

https://design.google.com/span2017/newcastle-gateshead/



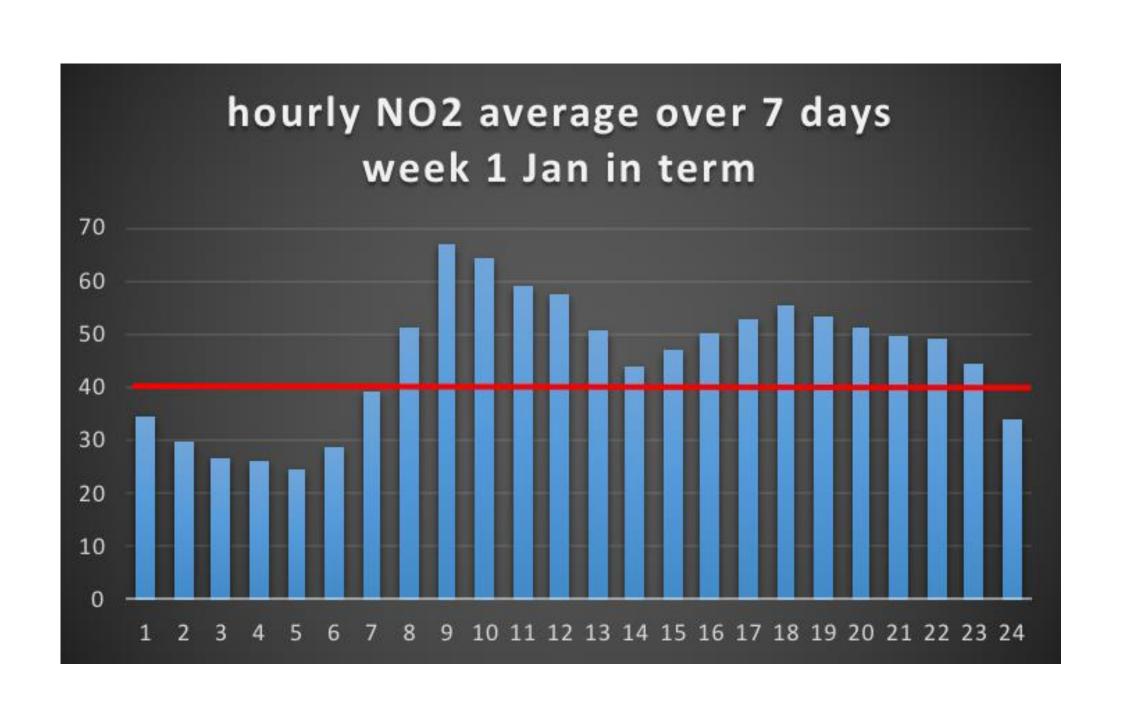


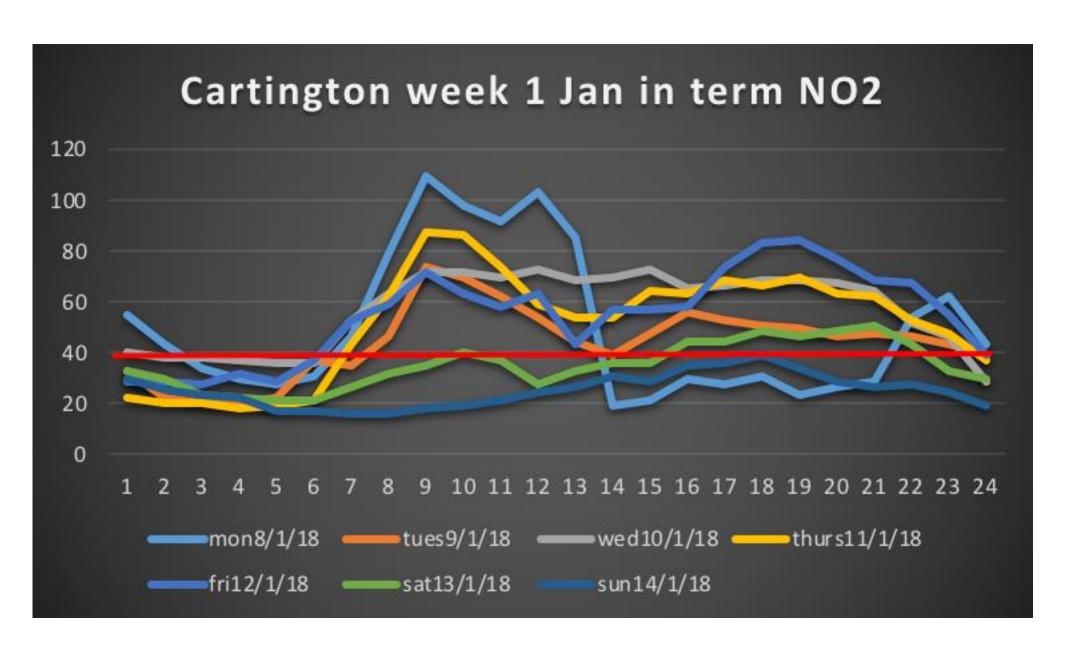


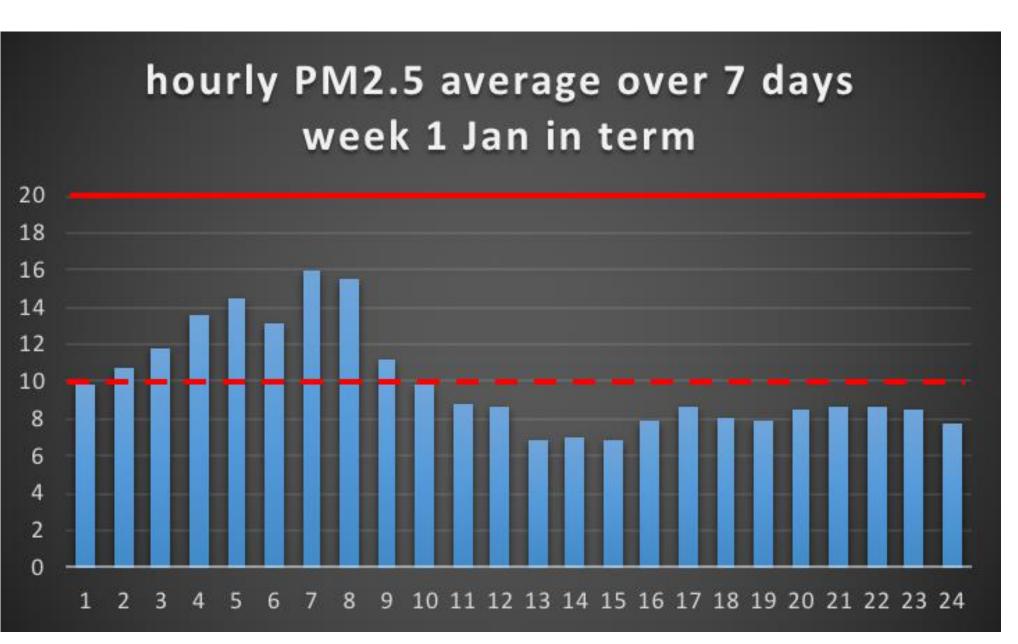
Sense Our Streets

SenseMyStreet in Schools



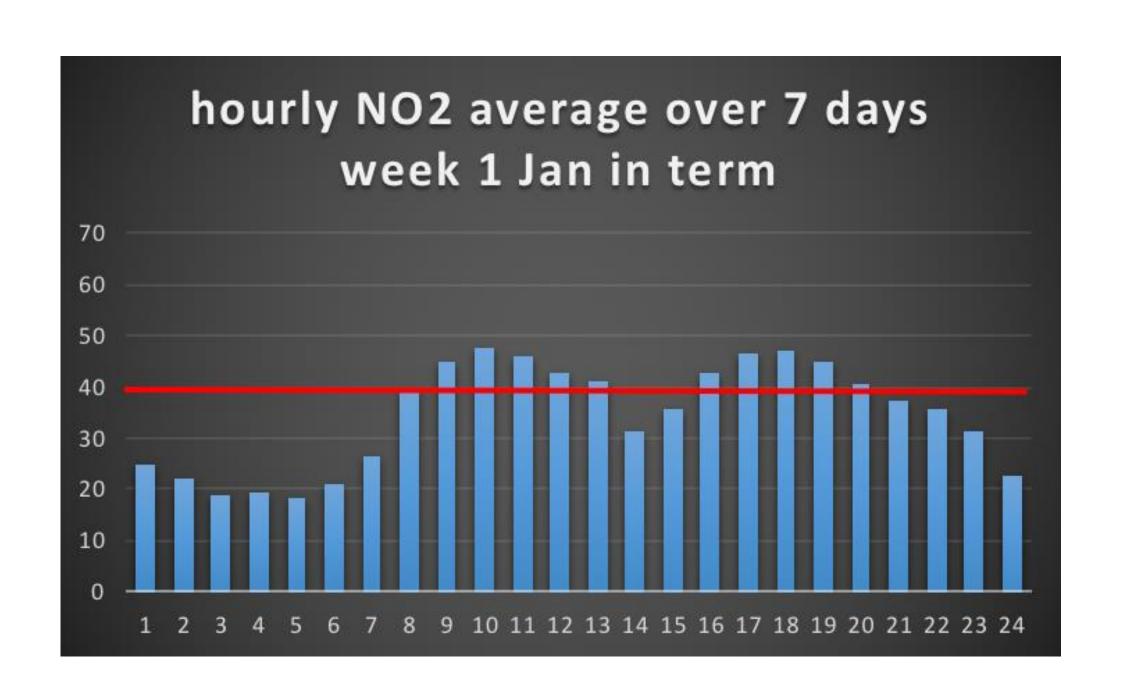


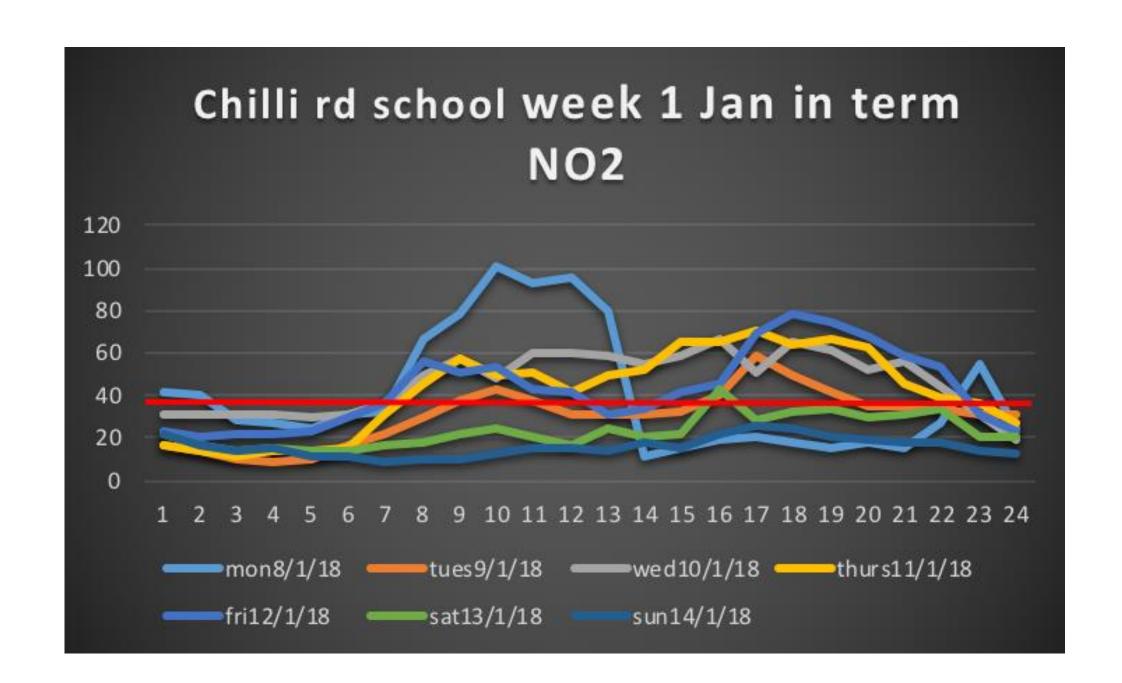




Community created graphs









Community created graphs



© Google Maps

to create Sustainable cities we need inclusion of citizens as active Contributors of knowledge

Thank You





https://sensemystreet.uk http://urbanobservatory.ac.uk

https://ncl.ac.uk/who-we-are/vision/urban-observatory

