

Working with business

Andrew Grieve

2nd July 2015

- Business Improvement Districts
 - BIDs & the LAQN
 - Clean Air Better Business
 - Fresh Air Squares
- City Air app
- LondonAir API

Business Improvement Districts



Business Improvement Districts



To get involved in improving Victoria's air quality and learn more about how small changes can make big air quality impacts contact:

David Beament, Operations Manager
Victoria Business Improvement District

T 0203 056 7437
E david.beament@victoriabid.co.uk
W www.victoriabid.co.uk

THE LITTLE GUIDE TO

Better Air Quality



CROSS RIVER
PARTNERSHIP



City of Westminster

SUPPORTED BY
MAYOR OF LONDON



Central London Clinical Commissioning Group



Victoria
LONDON STARTS HERE

Centre for Environment & Health



Business Improvement Districts



Cycling in Midtown

Creating London's Best Business Area for Cycling

inmidtown

bloomsbury/holborn/st.giles



New Look

Gate St

ca House

MRC-PHE
Centre for Environment & Health



Business Improvement Districts

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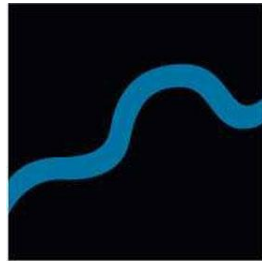


A VISION FOR ALDWYCH



Centre for Environment & Health

Clean Air Better Business



**CROSS RIVER
PARTNERSHIP**



MRC-PHE
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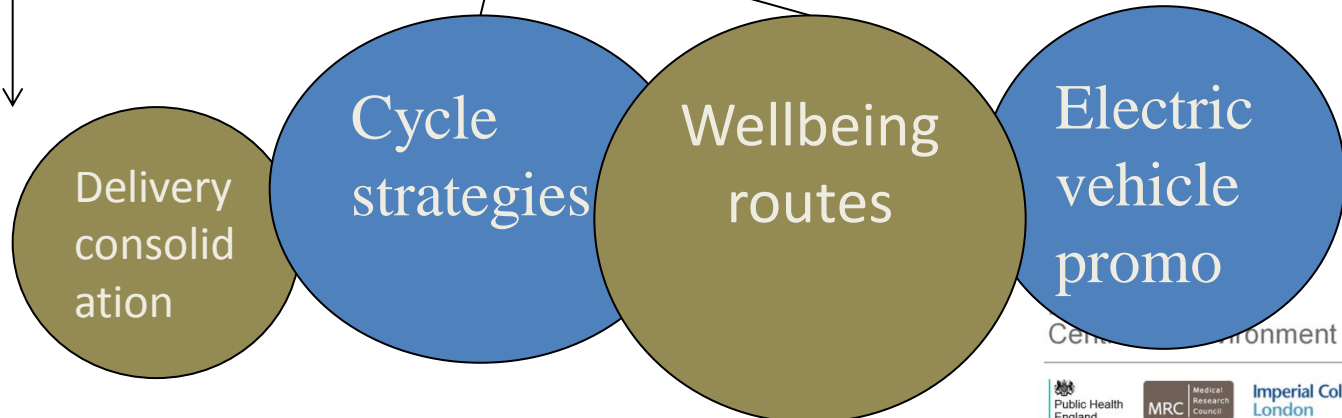


Clean Air Better Business



Air quality information

Greening the BIDs




Centre for Environment & Health

Clean Air Better Business


More Events

10th April - Community Connections 2014




Discover the volunteering and business engagement opportunities on your Bankside doorstep

25th April - Dr Bike




Book your free cycle check up to prepare for Spring!

28th April - Bustling Bankside presents: Bankside Urban Forest guided walk




Join us for a guided walk of recent greening projects in Bankside Urban Forest as part of Green Sky Thinking Week 2014

7th May - Social Media 101



Make sure your business is social media savvy

8th May - Wellbeing@Work Languages Taster Session



Get out of the London daily grind - whisk yourself away to Paris, Rome or Barcelona, all without leaving your

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Looking for a team volunteering day? Look no further! betterbankside.co.uk/community/look... Expand

Better Bankside @BetterBankside 4 Apr
Have a nice weekend you beautiful #BIDs @TeamLondonBdg @VauxhallOne Expand

Better Bankside @BetterBankside 4 Apr
Trustees needed @SAF_London - Legal, fundraising or membership minded people especially bit.ly/1FfaUz2 #BanksideCommunityStars

Tweet to @BetterBankside

Our other sites

VISIT BANKSIDE [Visit Bankside](#) [What's On listings and info for Bankside.](#)

Events Academy [Events Academy](#) [Our summer work experience project for Bankside youth.](#)

BANKSIDE LONDON [Bankside London Blog](#) [Blogging for fans \(or soon to be fans!\) of Bankside.](#)

EmploySE1 [Employ SE1](#) [Free service to connect businesses with local staff resources.](#)

BANKSIDE URBAN FOREST [Bankside Urban Forest](#) [Projects bringing new life and uses to the outdoor spaces of Bankside.](#)

Air quality in bankside

Today **Tomorrow**


Good **Moderate**

Planning a trip?
Use our sustainable travel tool to find low pollution routes through bankside

[Find out how we're greening Bankside](#)


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EmploySE1 [Employ SE1](#) [Free service to connect businesses with local staff resources.](#)

Better Bankside - Better Air

Today **Tomorrow**

Good **Moderate**

Use our sustainable travel tool



Better Bankside improving our air:

- More cycle lanes
- Guided walks of our greening projects
- More green spaces for our visitors

WITH LOCAL STAFF RESOURCES.

Today

Good

Tomorrow

Moderate

Use our sustainable travel tool




Better Bankside improving our air:

- More cycle lanes
- Guided walks of our greening projects
- More green spaces for our visitors

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Centre for Environment & Health

Clean Air Better Business

 Widget admin

[Guide](#) [Messages](#) [Log out](#)

Widget appearance

Routing settings

Widget audiences

Audience No1 - BID website

Audience No2 - Running Group website

Audience No3 - Local Business website

+ Add a new audience

Widget appearance

Logo URL

Widget title

Primary colour

Highlight colour

Corners
☐ Rounded ☒ Square

Show logos
☒ BID logo ☒ Mayor logo

Map settings

Latitude

Longitude

Zoom level

Map type

Save

Preview


Air Quality in Waterloo

POLLUTION WEATHER

FORECAST TODAY
Low 18° 25°


TOMORROW
Moderate 19° 28°

LEVELS LOW MODERATE HIGH V.HIGH


Map data ©2015 Google

Learn how "BID Name" are improving air quality and the local environment for all. →

It's a lovely day, air quality is good, Come visit us for our summer festival! →



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MAYOR OF LONDON

Simulate air quality


Actual live data


Message randomisation

Reload


Embed code

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 Public Health
England

 MRC Medical
Research
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Imperial College
London

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LONDON

Clean Air Better Business

Take a cleaner, greener route

[All](#) [Business](#) [Bankside Urban Forest](#) [Community](#) [Development](#) [Travel](#) [Wellbeing@Work](#)

Explore Bankside using our new air quality map

Useful Weblink:
[Clean Air Better Business](#)
[Breathe London](#)



Sophie Tyler
 Travel Planning
 Coordinator

st@betterbankside.co.uk



Ever wondered what difference it makes to walk or cycle along a quieter, less trafficked route?

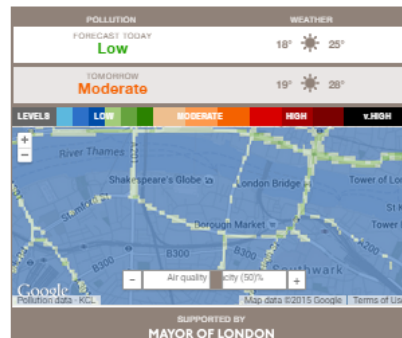
Our new air quality map located on our [homepage](#) takes real time data from air quality monitoring stations across London. It then uses an easy to understand colour coding to overlay that data on a map of the area.

The good news is that by choosing even a slightly different route, you can reduce your exposure to air pollutants such as Nitrogen Oxide and Particulate Matter.

The tool also gives a daily air quality forecast for the whole of central London.

The air quality tool is part of a series of initiatives under Clean Air Better Business, supported by the Mayor's Air Quality Fund. It has been developed by experts at Kings College London.

For more information on how your business can get involved contact [Sophie Tyler](#)



Related News



Changes to Southwark Cathedral entrances



The London begins on 8

Tweetings

Tweets

Better Bankside @BetterBankside 5h
 Do you have electrical goods that need recycling? If you're a Better Bankside member we can do that for free [bit.ly/1Lh1gVC](#)

BanksideUrbanForest @BanksideForest 26 Jun
 If you could give gift to #Bankside what would it be? Let us know #crossingstories [bit.ly/1HkdLSI](#)
 Retweeted by Better Bankside
 Expand

Bankside Space @bankside_space 26 Jun
 FRIDAY PRIDE IN LONDON ARTS FESTIVAL OFFICIAL CLOSING PARTY
 a11-burlesque £5 donation on the door. on.fb.me/1LwGyx @LondonLGBTPride
 Retweeted by Better Bankside
 Expand

Better Bankside @BetterBankside 26 Jun
 Now, #phigienishTauris is a serious #hashtag @RoseTheatreSE1 @HixRestaurants @RealGreekTweet
 Expand

Mint St Music Fest 24 Jun
 @MintStMusicFest

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Fresh Air Squares



TeamLondonBridge
improving our district

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Fresh Air Squares

Over 60 entries



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Fresh Air Squares

THE LIVING LABORATORY

FRESH AIR SQUARE PARKLETS

THE IDEA

The Living Laboratory is a place to relax, learn and immerse in nature. The lab will provide a lush and green escape from busy urban life. It also provides an experimental environment for experiential learning, observation and environmental research.

Making the invisible visible, the parklets will address the growing issue of air pollution and the presence of harmful particulate matter in London's streets.

It shall create an interactive 3 dimensional graph that provides a visual measure of local air quality based on the London air networks 'Pollution Index'.

The laboratory will act as catalyst for communities to learn about the impacts of air pollution, increase awareness and educate on how to contribute to the mitigation and reduction of air pollutants in their local area.

Recent research from a number of universities, Defra and the Trees & Design Action Group has identified the potential to ameliorate and mitigate pollutants and toxins through tree and ground-cover planting.

Species will be selected to increase biodiversity absorb air pollution, and create visually attractive spaces. Location, trials and longevity of the project will influence the specification of plants. Birch trees are particularly good for giving protection:

"they are covered in tiny hairs and ridges which help trap the pollution particles...pollution is washed off the leaves, allowing them to start trapping more."
(Barbara Maher - Impact of Roadside Tree Lines on Indoor Concentrations of Traffic-Derived Particulate Matter)



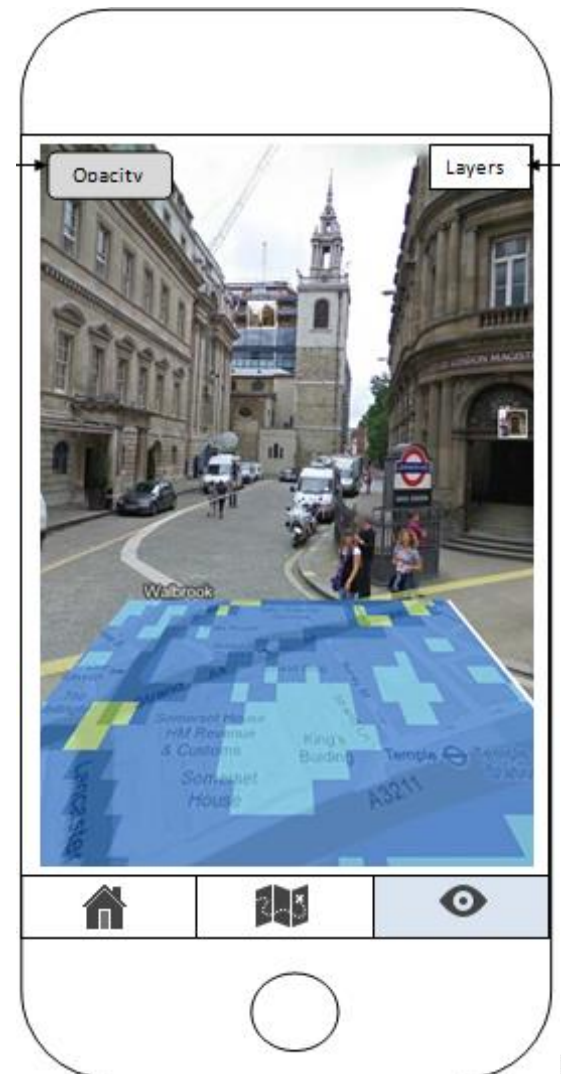
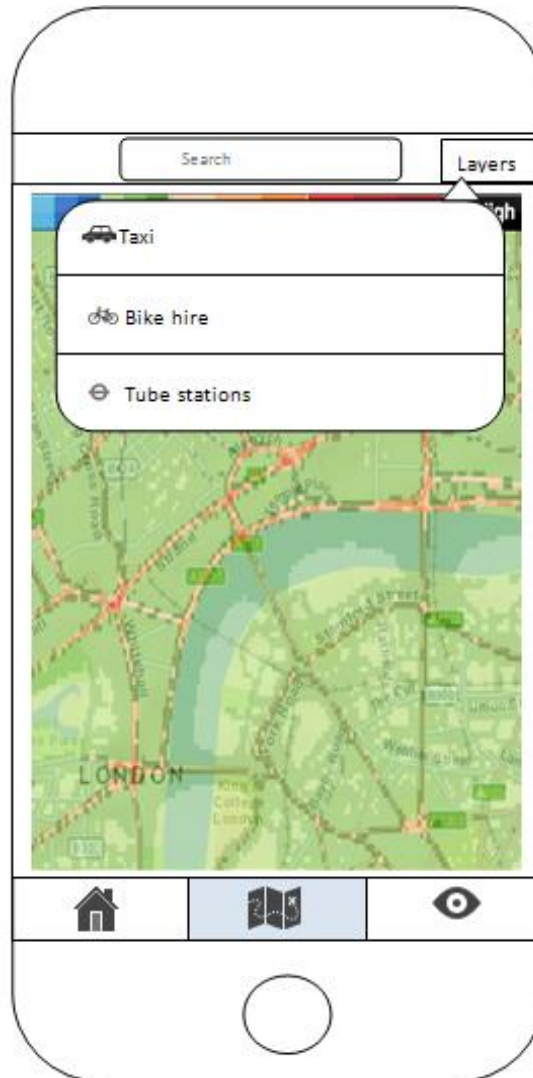
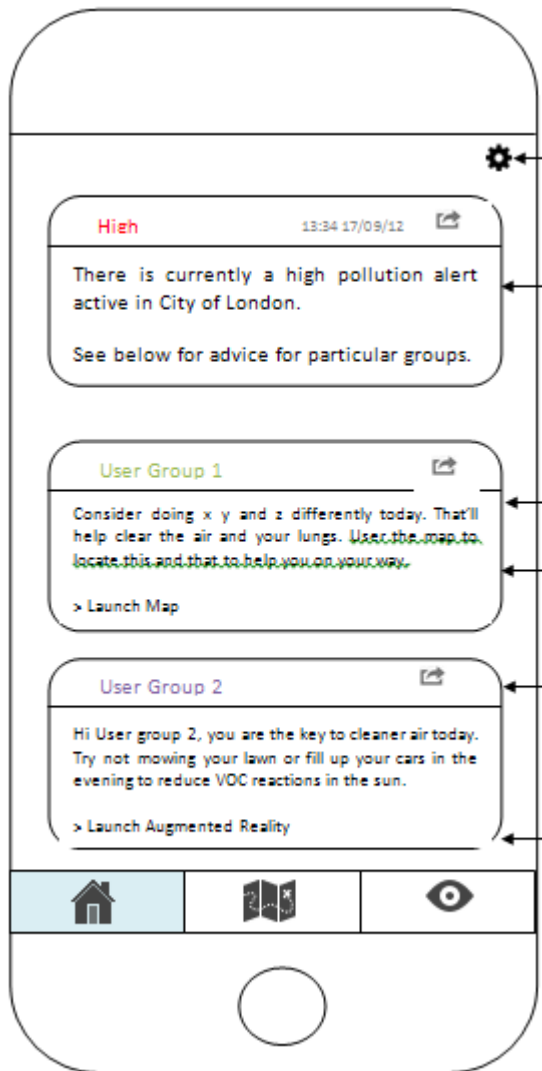
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CityAir app



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lth

CityAir app



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CityAir app - demo

09:41

< Back Sign Up Done

Choose from the user groups below to receive advice tailored for you on polluted days (you can change these in the settings screen).

Pedestrian	<input type="radio"/>
Jogger	<input type="radio"/>
Cyclist	<input type="radio"/>
Driver	<input type="radio"/>
Business	<input type="radio"/>
At risk individual	<input type="radio"/>

[More about these groups...](#)

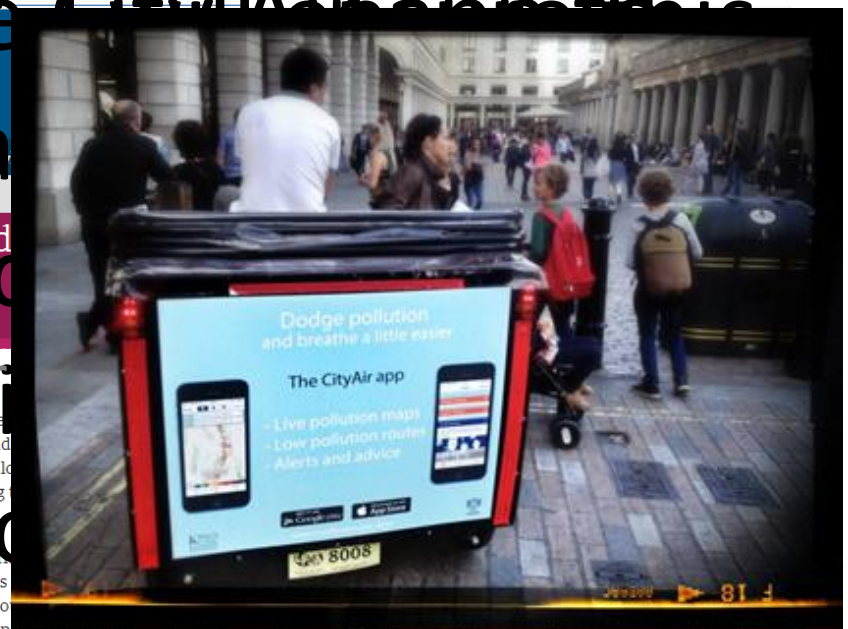
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CityAir app - response

Featured on the Guardian

“...highlighted the CityAir app, which is



smartphones”

Hannah Kershaw - Environmental Operations Manager –
Lend Lease

Guardian Live: Networks
Keynote speaker
2 July, London

[Click here →](#)

Boots (Free)

British retailer Boots' Android app is a polished affair, with a mixture of news, offers and mobile shopping - including a barcode-scanning feature to find more out about products when you're actually in a store. It's neat and tidy, although

obviously of most use to regular customers racking up loyalty points. to let guests log in, suggest tracks and vote them up or down.

iPhone

Health

LondonAir API

“Data is the 21st century’s
new raw material.”

UK Cabinet Office

Open Data
White Paper

Unleashing the Potential

#opendata

@uktransparency

@cabinetofficeuk

 HM Government

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LondonAir API

- Hourly/Daily/Annual data and meta data
- Access to over half a billion measurements with 193,000 added daily

Operations at <http://api.erg.kcl.ac.uk/AirQuality>

This page describes the service operations at this endpoint.

Uri	Method	Description
/Annual/Map	GET	This returns a list of the annual maps available, along with meta data about when they were created and when they apply from. Data returned in XML format
/Annual/Map/Json	GET	This returns a list of the annual maps available, along with meta data about when they were created and when they apply from. Data returned in JSON format
/Annual/Map/SpeciesCode={SpeciesCode}	GET	This returns a list of the annual maps available, along with meta data about when they were created and when they apply from filtered by 'Species'. Data returned in XML format
/Annual/Map/SpeciesCode={SpeciesCode}/Json	GET	This returns a list of the annual maps available, along with meta data about when they were created and when they apply from filtered by 'Species'. Data returned in JSON format
/Annual/Map/SpeciesCode={SpeciesCode}/User={User}/Password={Password}	GET	This returns a list of the annual maps available, along with meta data about when they were created and when they apply from filtered by 'Species'. Data returned in XML format
/Annual/Map/SpeciesCode={SpeciesCode}/User={User}/Password={Password}/Json	GET	This returns a list of the annual maps available, along with meta data about when they were created and when they apply from filtered by 'Species'. Data returned in JSON format
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/Annual/Map/User={User}/Password={Password}/Json	GET	This returns a list of the annual maps available, along with meta data about when they were created and when they apply from. Data returned in JSON format
/Annual/MonitoringObjective/GroupName={GroupName}	GET	This returns the results of annual air quality objectives for monitoring sites filtered by 'GroupName'. Data returned in XML format
/Annual/MonitoringObjective/GroupName={GroupName}/Json	GET	This returns the results of annual air quality objectives for monitoring sites filtered by 'GroupName'. Data returned in JSON format
/Annual/MonitoringObjective/GroupName={GroupName}/User={User}/Password={Password}	GET	This returns the results of annual air quality objectives for monitoring sites filtered by 'GroupName'. Data returned in XML format
/Annual/MonitoringObjective/GroupName={GroupName}/User={User}/Password={Password}/Json	GET	This returns the results of annual air quality objectives for monitoring sites filtered by 'GroupName'. Data returned in JSON format
/Annual/MonitoringObjective/GroupName={GroupName}/Year={Year}	GET	This returns the results of annual air quality objectives for monitoring sites filtered by 'GroupName' and 'Year'. Data returned in XML format
/Annual/MonitoringObjective/GroupName={GroupName}/Year={Year}/Json	GET	This returns the results of annual air quality objectives for monitoring sites filtered by 'GroupName' and 'Year'. Data returned in JSON format
/Annual/MonitoringObjective/GroupName={GroupName}/Year={Year}/User={User}/Password={Password}	GET	This returns the results of annual air quality objectives for monitoring sites filtered by 'GroupName' and 'Year'. Data returned in XML format
/Annual/MonitoringObjective/GroupName={GroupName}/Year={Year}/User={User}/Password={Password}/Json	GET	This returns the results of annual air quality objectives for monitoring sites filtered by 'GroupName' and 'Year'. Data returned in JSON format
/Annual/MonitoringObjective/LocalAuthorityId={LocalAuthorityId}/Year={Year}	GET	This returns the results of annual air quality objectives for monitoring sites filtered by 'LocalAuthorityId' and 'Year'. Data returned in XML format
/Annual/MonitoringObjective/LocalAuthorityId={LocalAuthorityId}/Year={Year}/Json	GET	This returns the results of annual air quality objectives for monitoring sites filtered by 'LocalAuthorityId' and 'Year'. Data returned in JSON format
/Annual/MonitoringObjective/LocalAuthorityId={LocalAuthorityId}/Year={Year}/User={User}/Password={Password}	GET	This returns the results of annual air quality objectives for monitoring sites filtered by 'LocalAuthorityId' and 'Year'. Data returned in XML format
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Mastodon C

Big Data Done Better



OpenSensors.io

Connecting Things

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KING'S
COLLEGE
LONDON

LondonAir API



Summary

- Business community engaged with air quality
- Part of the solution
- Creativity & enthusiasm
- Grassroots movement
- Evidence base for interventions and improvements

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