

Ricardo Spotlight on Air Quality

20<sup>th</sup> March 2024

**Ricardo Spotlight on Air Quality: The Polls** 

Access via the QR code with your smart phones



.....Or join us at menti.com

#### and use joining code $\underline{3772} 5236$



Let the voting begin!



#### Ricardo Spotlight on Air Quality: An Introduction

- Welcome!
- Local authority (and their air quality partners') webinar
- Free!
- Interactive
- Current topics
- Who are the presenters?

Jo SolanPedro AbreuBen FowlerMark AttreeImage: Mark AttraeImage: Mark AttreeI



#### Which Local Authority do you represent?

95 responses









Air Quality Public Engagement; Oxford City Council
Defra Grants 2024
Pollution Route Monitoring
Air Quality Sensors QA/QC
Case Study: Air Quality Strategy (AQS) & Air Quality Action Plan (AQAP)
Q&As

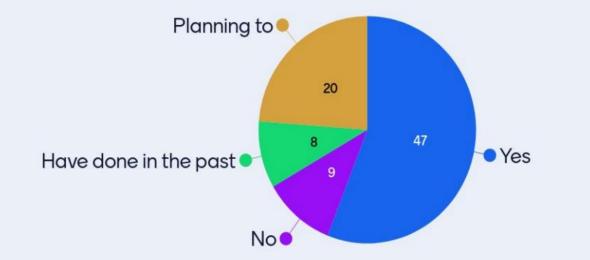


#### Air Quality Public Engagement

Pedro Abreu: Oxford City Council



## Does your LA manage any air quality public engagement?



RICARDO

Voluntary behavioural change is a challenge as it cannot be imposed. The power to change lies with the individuals themselves.



- <u>World Bank</u> empowering citizens to participate and integrating their voice in the development process act as key accelerators to achieving results.
- Global action Plan as part of Clean Air Day revealed that people tend to respond well when given accurate information and the means to do something about air pollution
- <u>Department for Transport (DFT</u>) People need to know about new or existing initiatives or types of behaviour and understand what the benefits are for them (...) they need to trust the source of information and they need it to be communicated in a language they can engage with



OXONAir: Oxfordshire's Air Quality Website

# **Generation**

## https://www.oxonair.uk/



#### Website's vision

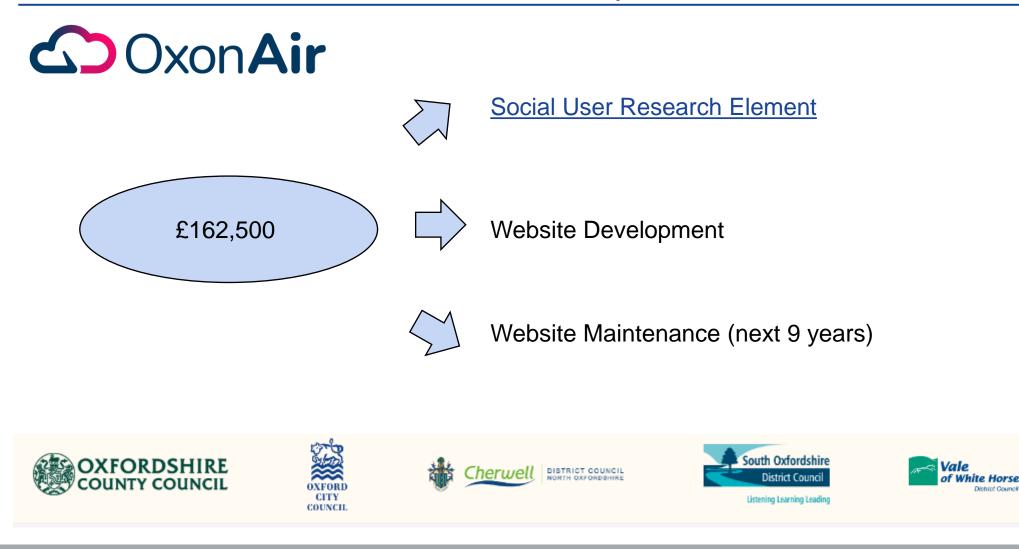
"To develop an innovative AQ website, to be used as an important tool to communicate and raise awareness of air pollution with visitors and residents across Oxfordshire."



- Complete Integration of all relevant AQ info from all Districts
- Designed with significant input from members of the public
- Inclusion of specific features and interactive tools to promote constant interaction
- Provide evidence, information and advice in a simple and accessible manner
- Info tailored to different age groups and levels of expertise









WEST OXFORDSHIRE

DISTRICT COUNCIL

#### Social User Research

#### An Online Survey 'Public Consultation' (5<sup>th</sup> July to 5<sup>th</sup> September 2021) – 300 completed responses

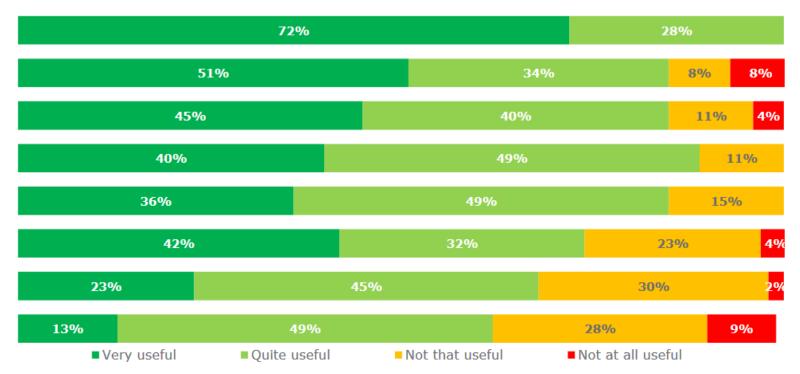
53 Telephone Semi-Structured Interviews "User's research" to 6 groups, lasting 30min (22<sup>nd</sup> October to 26<sup>th</sup> November)

	Total	
Total	53	
I Consultants/researchers/government	11	21%
II Public health	6	11%
III Schools	4	8%
IV Charities / campaigning / community	11	21%
V Councilors / council staff	17	32%
VI Residents (low income communities)	4	8%

	Total
Total	300
Local Authority Area:	
Oxford	27%
Vale of White Horse	23%
South Oxfordshire	20%
West Oxfordshire	16%
Cherwell	12%
Outside Oxfordshire	2%
Not answered	9%
Capacity in Which Responding:	
Resident living in Oxfordshire	90%
Resident living outside Oxfordshire	4%
Local councillor	5%
Representative of an organisation	1%
Representative of a business	0%
Not answered	0%



#### Social User Research: Results



A map of Oxfordshire with locations where air quality is monitored

Ability to download all relevant air quality data and documents produced by your local authority

Access to historic air quality data, statistics and access to interactive air pollution data and charts

Air pollution forecast tools

Repository with all relevant air quality projects being delivered by the 5 District Councils and Oxfordshire CC

Development of specific tools that promote interaction between users and the platform

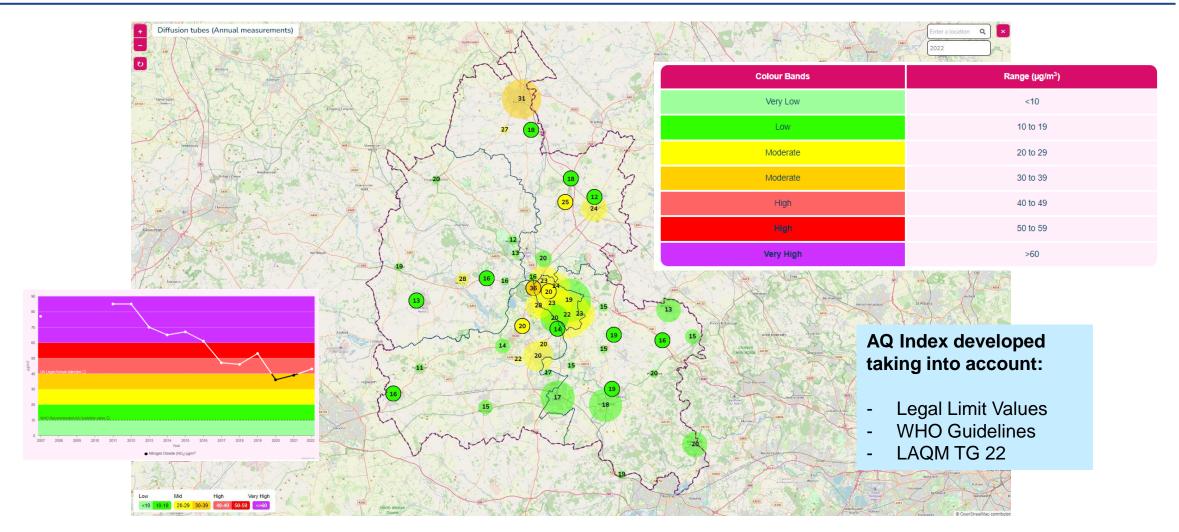
Introduction of news feed area with current updates on national and local air quality related news

Access to relevant national and international air quality contents

#### https://www.oxford.gov.uk/downloads/file/855/oxfordshire-air-quality-website-research-report



#### Air Quality Maps, Post Code search engine & Diffusion tube Index





#### Free Subscription to Air Quality Alerts for Oxfordshire

Login to your Air Quality Alerts profile	Air Pollution Banding
Email Do not have an account?	Low
assword Sign up L+	The Daily Air Quality Index (DAQI) is used to describe and communicate the current and/or forecast levels of air pollution in the UK.
r Air Quality Alerts system provides a free subscription service that sends registered users an alert message if air pollution in Oxfordshire is forecast to be MODERATE, 3H or VERY HIGH. The description of the level of pollution is based upon the UK Daily Air Quality Index (DAQI). Guidance outlined by health professionals is provided h each alert to enable you to make informed decisions and take any precautions necessary. e alert service is provided for anyone wishing to know about the quality of the air they breathe. It will be of particular benefit to people with medical conditions that may affected by pollution, such as asthma, bronchitis and emphysema. It may also benefit people whose breathing gets worse when air pollution increases. This early	It has been approved by the <u>Committee</u> <u>on Medical Effects of Air</u> <u>Pollution</u> (COMEAP)
This carry politicity, such as assume, politicities and emphysicitia. It may also benefit people whose breaking gets worse when an politicity microases. This carry minimises the effects of politicities of politicities and emphysicitia. It may also benefit people whose breaking gets worse when an politicity microases. This carry minimises the effects of politicities of politicities and emphysicities and emphasis and emphysicities and emphasis and emphasis and emphasis and emphasis and emphysicities and emphysicities and emphasis and emphasis and emphasis and emphasis and emphysicities and emphysicities and emphasis	Very High





#### Air Quality Forecasts

Forecast for					
Oxfordshire	Local Authority		Thu 22nd Feb	Fri 23rd Feb	Sat 24th F
Today 🙂	Cherwell		3 Low	3	2 Low
Air pollution levels are forecast to be Low today	Oxford		3 Low	2 Low	2 Low
Tomorrow 🙂	South Oxfordshire		3 Low	2 Low	2 Low
to be Low tomorrow	Vale of White Horse		3 Low	2 Low	2 Low
Outlook Air pollution levels are expected to be Low beyond tomorrow	West Oxfordshire		3 Low	3 Low	2 Low
Last updated: 5:00 AM on Thu 22nd February 2024	Low		Me	Daily Air Quality	Index <u>(More Info)</u> Hiç
5 day summary »	1 2	3		5 6	7 8



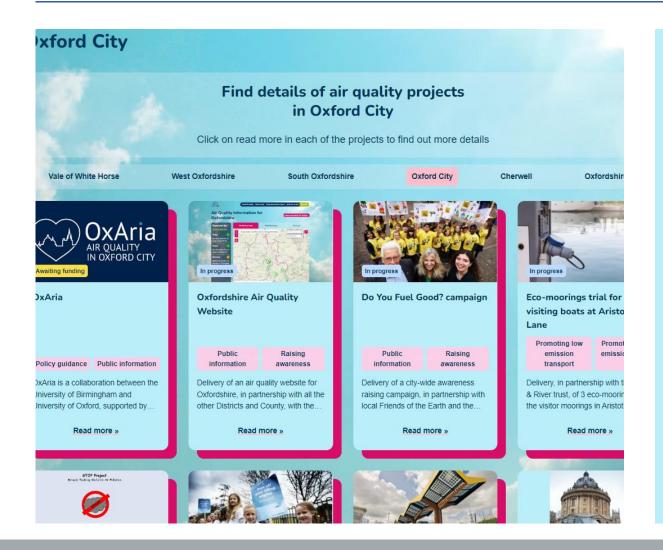
Last updated 22/02/2024 06:00

Very High

9



#### Local Area Air Quality Projects



#### Do You Fuel Good? campaign

In progress Public information Raising awareness

Funding source: DEFRAAQ Grant 2020/2021

Total amount of funding allocated: £45,000

Description: Delivery of a city-wide awareness raising campaign, in partnership wit specifically addressing wood burning and the use of inappropriate fuels; highlighting sources and providing best practice and advice on how to minimise your exposure a

Air Quality Impacts: Not estimated. However, annual Clean Air day communication behaviour change of up to 6%

Find out more:

Do You Fuel Good? campaign



#### Evaluation and other areas of interest

From 18<sup>th</sup> September to the 22<sup>nd</sup> February....

total amount of user views since launch – 23,182
total amount of users since launch – 6,116

		Users + by Platform/Device cat PLATFORM/DEVICE	Ø ▼ USERS
Views by Page title and screen class	0.	web / mobile	3.1K
PAGE TITLE AND SCREEN	VIEWS	web / desktop	2.7K
AGE TITLE AND SCREEN	11K	web / tablet	314
About air quality	896		
Data	797	Users + by Town/City	0 -
og in	512	TOWN/CITY	USERS
egion Forecast	509	London	1.7K
olicy documents & reports	507		
ocal Initiatives	504	Oxford	894
		Cardiff	155
		Dideot	149
		Abingdon	142
		Banbury	127
		Milton Keynes	112

#### Other website information tools:

- Kids Area
- Personal Air Quality Footprint tool (Clean air hub)
- Policies and Reports
- Data selector tool (diff tubes + automatic data)
- Pollution Episodes
- Air Quality & Health education and advice





## Thank You

Pedro Abreu – Principal Air Quality Officer (Oxford City Council)

airquality@oxford.gov.uk



19 © Ricardo plc March 2024

#### Any Questions?





#### Defra Grants 2024

- For the Autum 2023 submission Defra will announce the recipients (Winners ③) in the next week or so.
- Another chance to submit August 2024
- Happy to provide ideas on previously successful applications

#### Examples of successful Defra Grant projects

- Behavioural change campaigns
- Public engagement
- Education: helping the public understand their own emissions and how to reduce them
- Sensor monitoring
- Reducing roadside NO<sub>2</sub>
- Lower pollution travel routes
- Air quality website development
- Modelled changes in pollutant concentration, to feed into updated Smoke control Areas, which;
  - Assess the health impacts resulting from these changes in emissions and concentrations
  - Carry out a cost benefit analysis of each option
  - Consider how these costs and benefits would be distributed between different social groups and business sectors.



lity



Home Data Latest summary News LSO training LAQM resources





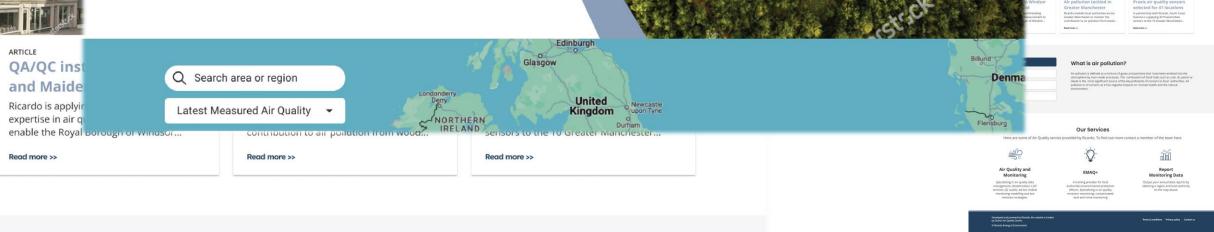
#### Air Quality England

A resource, providing local air quality and data provision to the public.

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Air pollution levels are

forecast to be low





#### What is air pollution?



#### **Pollution Route Monitoring**

Ben Fowler: Ricardo

# Where do you deploy sensors, within your LA?











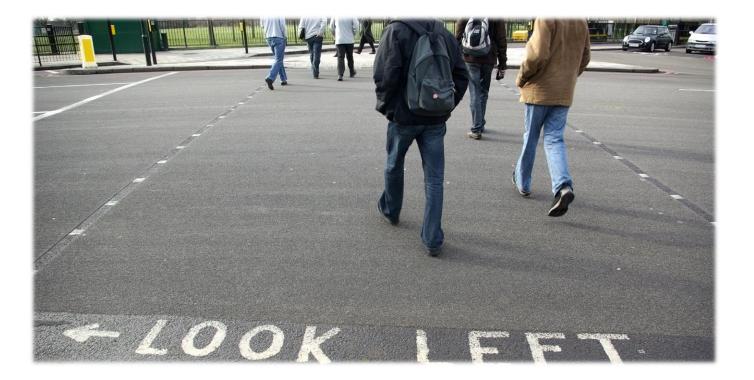






#### What is Pollution Route Monitoring & Mapping?

- **Travel paths** designed to mitigate the negative effects of transportation on air quality.
- A way of measuring air quality along a given route.
  - Routes can be associated with pedestrians, cyclists and any other modes of movement.
- Mobile measurements rather than static.
- Illustrated by a **heat map** of the monitoring data along the routes.





 $\circ$  Uses:

- > Assess exposure of pedestrians to harmful pollution across given routes. E.g. school/work commutes
- > To create a **visual tool** that aids users in making informed decisions regarding exposure to pollution.
- > As a tool used within Air Quality Action Plans for objectives focussed around:
  - ✓ Raising awareness
  - ✓Reducing exposure
  - ✓ Local community engagement
  - ✓ Promotion of Active Travel
- Effectiveness of the technique:
  - Can low-cost sensors be used to assess these questions?
    If the route you use to get to your destination has an impact on your exposure.





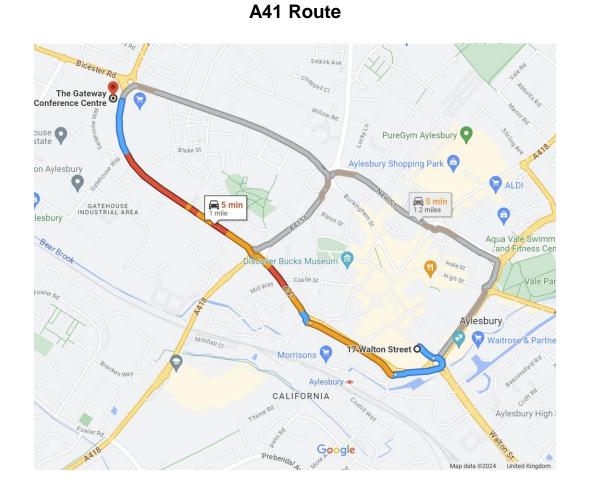
#### The Day

- Our plan was to walk between two
   Buckinghamshire Council buildings in
   Aylesbury, The Gateway Conference Centre and
   Buckinghamshire Council Offices in Walton
   Street.
- Commonly used route for LA employees between the two offices – currently more common to go along A41 route.
- 2 people, on circular routes, clockwise and anticlockwise to get to destination – one along A41 and one through parks & town centre – process repeated twice.

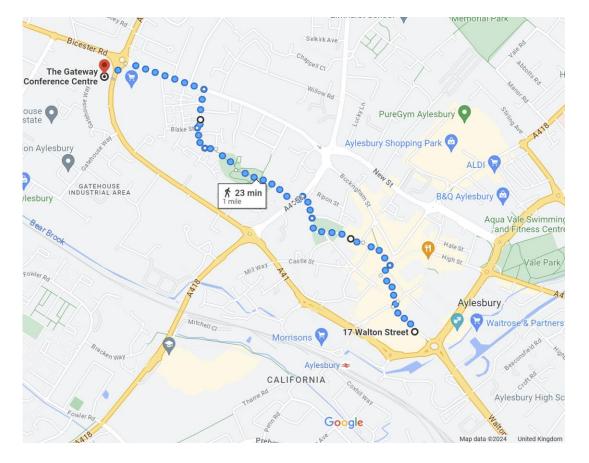




#### The Routes



#### **Town Centre Route**





#### The Need for QA/QC

- Sensors needed to be continuously powered to preserve the history of sensor calibration – internal battery only lasts two hours so an external battery was used to increase longevity.
- Sensors operated next to reference station (colocation) over a period of months to derive accurate calibration factors prior to the survey.
  - > Allows for normalisation of both sensors to each other.
- Data collected from the sensors were **ratified** before the comparison analysis was undertaken – involves application of colocation factors etc.





- Timeseries NO<sub>2</sub> plot (10 second data) for raw nitrogen dioxide measurements (for one sensor) along one full loop walking both routes.
- $\circ$  Difference in exposure is clear between the two routes.
- Peaks along the A41 route are likely to be when we were next to idling traffic.
- o But how can we translate this into a tool that's more informative for public use?
- Simultaneous measurements is the only way to show that pollution profiles are different at the same time.





#### The Result

 Some isolated hotspots on the return Town Centre route in the centre itself.

- Town Centre route
   is in the lower NO<sub>2</sub>
   percentiles more
   often.
- Hotspots on the A41 at
   roundabouts and the southern end where there was more traffic.





#### **Considerations**

- Exposure is dependent on road activity e.g. congestion/traffic whereas quieter route has much lower exposure (bottom 20/30 percentile).
- **Percentiles** clearly show the **relative differences** between each route.
  - Both sensors with respect to each other behave the same using percentiles.
  - Reduces the possibility of error associated with calibration.
- Both routes need to be **assessed simultaneously** to find out what is happening at each site at the same time.
  - Using the same sensors to make reliable conclusions.





#### Conclusions

- There is a cleaner route to go from The Gateway to Walton Street.
- With appropriate QA/QC you can use low-cost sensors to assess the exposure of pedestrians to harmful pollution across given routes.
- Higher exposure is associated with **vehicle movements**.
- If anybody has any suggested uses for this please ask!
  - Such as school routes, push bikes, breathing heights e.g. buggies/breathing height.
  - Clean Air Day is coming up on 20<sup>th</sup> June 2024.
- Map animation available at: <u>https://twitter.com/RicardoAirQ/status/1679029071622340608</u>





### Thank You

Ben Fowler – Senior Consultant (Ricardo)

Ben.Fowler@ricardo.com





#### Any Questions?





#### Low-Cost Air Quality Sensors QA/QC

- · Air quality sensors are unlikely to provide reliable data 'out of the box'
- Data quality and measurement uncertainty for sensors operating in real-world conditions is often unknown
- Uncorrected responses may differ significantly from the 'true' pollution value.
- Comprehensive QA/QC and data correction ensures results are defensible under challenge.
- Co-location with a "reference" monitoring station allows the evaluation of sensor performance and the creation of correction factors.
- To maintain PM indicative MCERTS certification for quantitative measurements colocation is required annually.
- For in-depth blogs on low-cost sensors and Ricardo's QA/QC services head to - <u>https://www.ricardo.com/en/news-and-insights/campaigns/independent-qaqc-of-air-guality-sensor-data</u>



#### RICARDO

## **QA/QC** Audits

### **Benefits**

- Improved quality data
- Instrument longevity
- In line with <u>Defra Technical Guidance</u> best practice
- Example of site not previously audited
- Found black filter and pump full of corrosion
- Found pressure sensor was unplugged, causing the flow rate failure
- When plugged in, pressure sensor found to be faulty

Ricardo's independent QA/QC audit highlighted faults with the analyser, improving data reliability and validity.







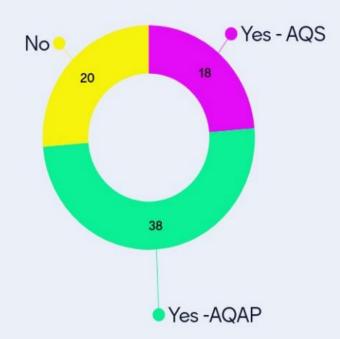




## Case Study: Air Quality Strategy (AQS) & Air Quality Action Plan (AQAP)

Mark Attree: Ricardo

# Do you have an AQS/AQAP in place currently?



**RICARDO** 



Introduction to the case study

Evidence gathering

Agenda

Community and stakeholder engagement

Developing the strategy

Designing the strategy

Challenges and lessons learned

## **Air Quality Action Plans**

#### **Review and Assessment process**

- Annual Status Reports (ASR)
  - Include monitoring data
  - Report on significant new developments that might affect local air quality
- If likely exceedances of the objectives are identified:
  - AQMA declaration
  - Develop an Air Quality Action Plan in 12 months
    - A document which sets out what action or measures the Council will take to improve air quality within a set timescale
    - Should be prescriptive and detailed with set tasks or sub tasks for each measure
    - Focus on emission reduction, but also can include exposure reduction options and opportunities





## **Air Quality Strategies**

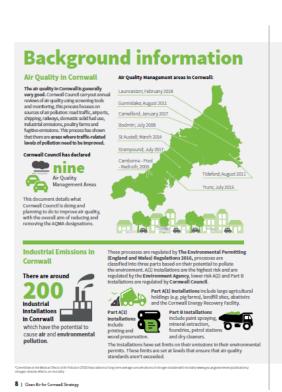
"Those authorities who have **not had to designate AQMAs** and produce AQAPs will from 2023 be **required to draw up a local Air Quality Strategy**. These strategies will **not have a set format** and authorities will be able to draw on content within their ASRs and local transport plans to produce them." (*LAQM.PG22 para 2.15*)

#### **Purpose**

- A committed plan of action to consider air quality at a local government level
- If AQMAs have been revoked, a local AQS should be put in place to ensure air quality remains a high-profile issue and to ensure the local authority is able to respond quickly should there be any deterioration

#### Goals

- Highlight air quality as an issue
- · Provide information about the local air quality situation to the public
- Demonstrate commitment to keeping pollutant concentrations below objective levels
- Strengthening and integrating with other objectives, strategies, and policies
- Improve collaboration with neighbouring authorities



#### Health impacts of air pollution

There have been several studies that estimate the number of permatum datakr instead to poor air quality, in most cases, air pollution is not the direct cause, but its hortconing the blues of those with existing heart or lang conditions by eacorbating symptoms. The most recent study by the Committee on the Medical Effects of Air Pollution (Nickre Pir) considered the range of central estimates of long-term exposure to the air pollution mixture the combination of pollutants including introgen dioxide and particulate matter). The study found an equivalent of 28,000 to 36,000

#### deaths in the UK in 2013. The number of deaths each year is likely to be within or close to this range. Other studies,

Mitation Close to the statege - Ortstates, studies, including a Royal College of Physicians report (2016)<sup>1</sup> estimated air pollution could be contributing to as many as 40,000 premature deaths. The situation is complex and it's difficult to provide an exact number of deaths.

What is clear, though, is that air pollution is one of the highest environmental risks to public health we face, currently ranking alongside cancer, heart disease and obesity.



There have also been studies that attempt to provide figures on attributable deaths for individe

1014 report gave figures for attributable (

Health problems resulting from air pollut

also have a high financial cost to society

es and our health service

more than £20

pollutants at a local level. Public Health England's

exposure to PM2.5 down to Local Authority Area

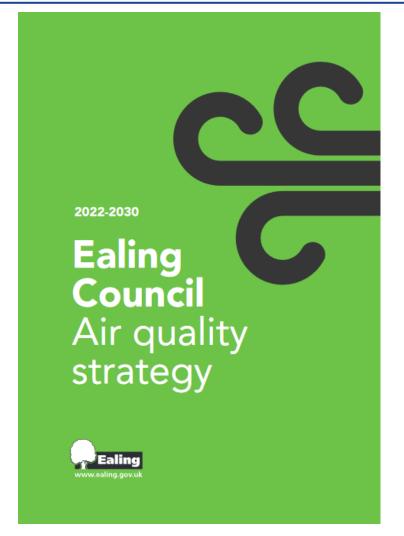
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Gean Air for Cornwall Strategy | 9



## Case Study: An Air Quality Strategy for Ealing

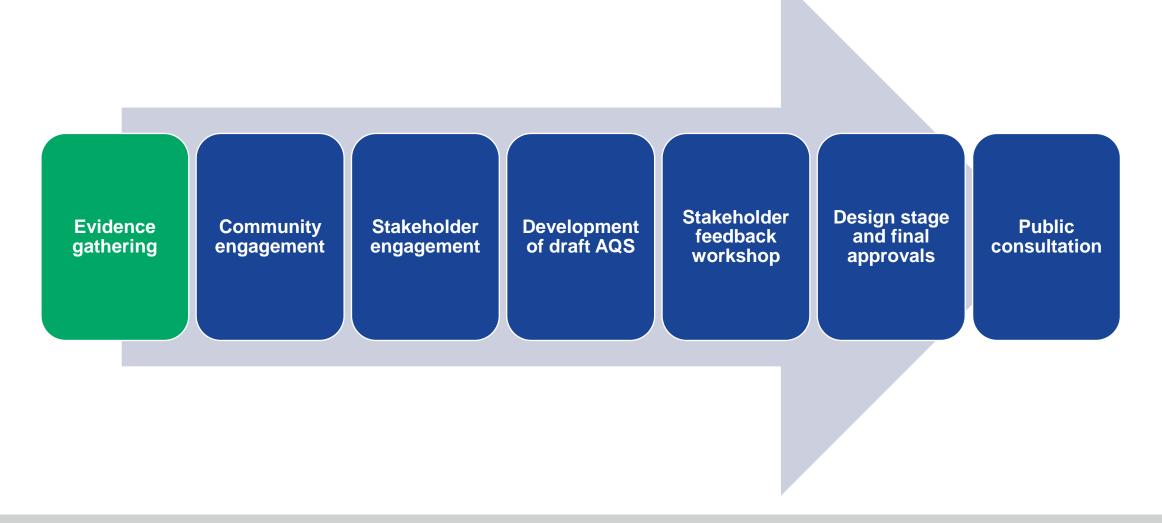
- Ealing Council was undertaking a package of air quality measures for the borough
  - Updating their Air Quality Action Plan
  - Monitoring
  - Low Emission Strategies
  - Planning and Permitting
- As part of this, the Council wished to develop a new Air Quality Strategy
  - Set out longer-term vision
  - Cover more pollutants and sources than the Air Quality Action Plan
  - More public-facing and informative
  - Highlight the actions the council is undertaking to address residents' concerns and improve quality of life for everybody in Ealing
  - · Help residents lower their exposure to air pollution
  - · Help residents lower their air pollution footprint
- · Ricardo was commissioned to develop the strategy
  - We also updated their existing Air Quality Action Plan to ensure alignment
  - AQAP treated as live document, so kept up to date by Council





Evidence gathering

## Our approach to developing an Air Quality Strategy

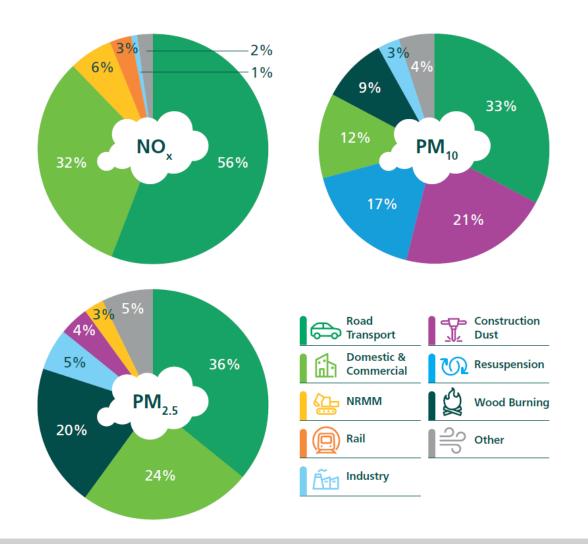




## Policy and programme review and data gathering

#### Develop evidence base for Air Quality Strategy and Action Plan

- What is the current air quality situation?
  - Are there AQMAs?
  - Any other areas of concern?
- What are the key sources of air pollution and emissions in the area?
- Are there existing council plans which will deliver co-benefits for air pollution?
  - Transport initiatives to encourage modal shift
  - Measures in climate











## Community engagement



#### Goals

- Identify what residents need/want from an Air Quality Strategy
- Explore residents' understanding and attitudes to air quality

#### What we did

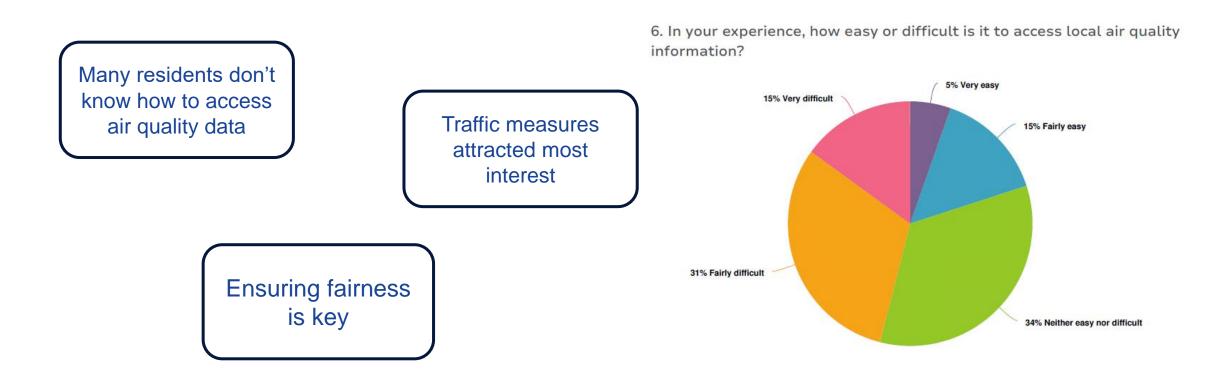
- Online survey
- Focus groups with participants who expressed interest and were available

#### **Overall thoughts**

- Meetings were a success
- Mix of smaller and larger sessions
- Gave us a good mixture of "deep dives" and broader opiniongathering
- · People shared their opinions freely
- A range of opinions was expressed



## Key takeaways





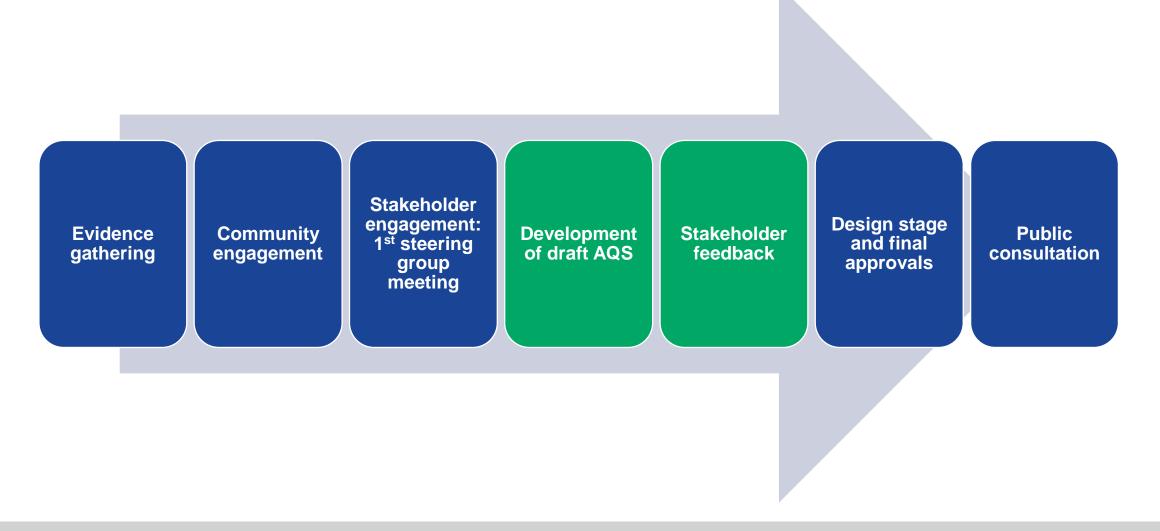
## Stakeholder engagement

- Worked collaboratively with stakeholders in Council
  - Created a Steering Group including air quality, transport, planning, climate, public health, etc
- Review existing measures
  - Are these policies still relevant?
  - Can they be **refined**?
  - Are there potential issues with implementation?
  - What should be the **priority measures** in each category?
  - Are **additional measures** planned which are not included? Is there more we can do?





## Our approach to developing an Air Quality Strategy





## Building the narrative

#### Part 1: set out rationale for chosen measures

- Explain why an AQS was developed
- Explain health impacts of air pollution and current air quality in Ealing
- Explain where Council sits in relation to regional, national trends
- Present key sources of air pollution
- Set out council commitments around social equity and health inequalities

#### Part 2: describe actions in key themes

- Themes chosen based on council actions, stakeholder feedback and community engagement
  - · Reducing road traffic emissions
  - · Improving indoor air quality
  - · Reducing the impact of new and existing developments
  - Green infrastructure
  - Raising awareness

#### Contents

- 3 An Air Quality Strategy for Ealing5 Our Vision
- 6 How this strategy has been developed
- 7 How we will deliver the strategy8 How does the AQS align with
- other key policies?
- 9 Why do we need to improve air quality?
- Health and air quality
   Who is most vulnerable to
- air pollution?
- 13 How is air quality protected?
- 14 Social equity and health inequalities
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- 17 How do we monitor local air quality?
- 19 Where does air pollution in Ealing come from?
- 20 Air quality levels in Ealing
- 21 Clean air and climate change
- 22 Reducing road traffic emissions
- 24 Encouraging the uptake of
- low-emission vehicles 27 Making walking and cycling more accessible
- 29 School Streets
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- 35 Ealing Spotlight: Acton

- 37 Improving indoor air quality
- 38 What are we doing now?
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- and existing developments
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#### 56 Monitoring and review

- 58 Other resources on air quality
- 59 Information on current air
- quality levels62 Health and wellbeing resources



## Building the narrative

## Used a simple structure for each theme

- Improved legibility
- Readers can dip in to subjects they are interested in

#### For each theme

- Why is action needed?
- What is the Council doing now?
- What will the Council do next?
- Where to find more information

#### 6 Reducing the impact of new and existing developments

Ealing has delivered one of the most ambitious house-building programmes in London and we will have built 2,700 genuinely affordable homes for people across the borough by 2022. The Council plans to continue this ambitious programme going forward.

However, new developments can introduce new emission sources and put additional pressure on areas that are already experiencing heightened air pollution levels. Demolition and construction activities, if not managed appropriately, can also result in emissions of particulates and dust, and involve the use of plant machinery. However, if planting is tackide correctly, it can improve air quality, create sustainable urban locations, improve health, and provide a better living environment. Local planting or placemaking can be used to improve and maintain good air quality.

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#### Reducing the impact of new and existing developments

#### 6.1 What are we doing now?

Ensuring the Impacts of new developments are appropriately assessed – The Council's Sustainable Design and Construction Supplementary Planning Guidance<sup>11</sup> supports developers to achieve sustainable development, including through ensuring the developments are air quality neutral for buildings and transport. An air quality assessment would normally be expected for various types of development, for example proposals that will result in increased local vehicle trips or congestion, or those with a large number of parking space<sup>38</sup>.

Controlling emissions of odours and dust – To manage odours and dust from construction and commercial premises, the Council follows the Control of Dust and Emissions during Construction and Demolition Supplementary Planning Guidance<sup>38</sup>. This provides detailed guidance to reduce emissions of dust, PM<sub>10</sub>, and PM<sub>12</sub>, from construction and demolition activities.

#### Reducing emissions from plant

machinery – Non-road mobile machinery (NRMM) includes any mobile machine or vehicle that is not solely intended for carrying passengers or goods on the road. NRMM, particularly from the construction sector, is a significant contributor to London's air pollution. Emissions standards for diesel powered machinery are radiually defined th

sustainable, accessible, and equitable, to help reduce emissions

poliution. Emissions standards for diesel powered machinery are gradually getting tighter for NRMM in London, and by January 2040 only zero-emission machinery will be allowed.

#### 6.2 What are we doing next?

Ealing is expected to see ongoing development in the coming years, both to ensure improvements for local communities and to support forecast growth in the number of residents. Ealing are currently developing a new Local Plan, which will set out the vision for the borough and describe the safeguards to be adopted to ensure new development does not inhibit the Council's air quality objectives. educing the impact of new and existing development

Section 6

Section 6

he Council has also pledged within its manifesto to

Launch a new tax on developers, and work towards raising at least £12 million per year to fund new infrastructure, education, health and community facilities.

Create a new Local Plan to give residents and businesses confidence that our borough can change for the better in the coming decade.

Implement a "retrofit first" principle for council buildings and deliver zero-carbon development as standard whilst ensuring any carbon offset payments that do occur are invested locally to make our borough greener.

Resist any attempts by national government to reduce the level of power held by local authorities to decide on matters relating to planning.

Ve will continue to campaign for greater powers to regulate poliuting industries, ind for a Clean Air Act that gives us the tools we need to tackle poor air quality, mells and poliutants from industry and new developments.

Where to find more information		
ool / Resource	Description	Link
RE:NEW and RE:FIT programmes	Government-led programmes to support energy efficiency at work and home.	https://www.london.gov.uk/ what-we-do/envfronment/ energy/renew-0 https://localpartnerships. org.uk/our-expertise/re-fit/
The Energy Saving Trust	The Energy Saving Trust helps households, businesses, and organisations to save energy.	<u>https://energysavIngtrust.</u> <u>org.uk/</u>
Green Deal	The Green Deal is a government scheme, Introduced in October 2012, designed to help homeowners and tenants to Increase the energy efficiency of their homes.	https://www.gov.uk/ guidance/getting-a- green-deal-information- for-householders-and- landlords



## **Action Areas**

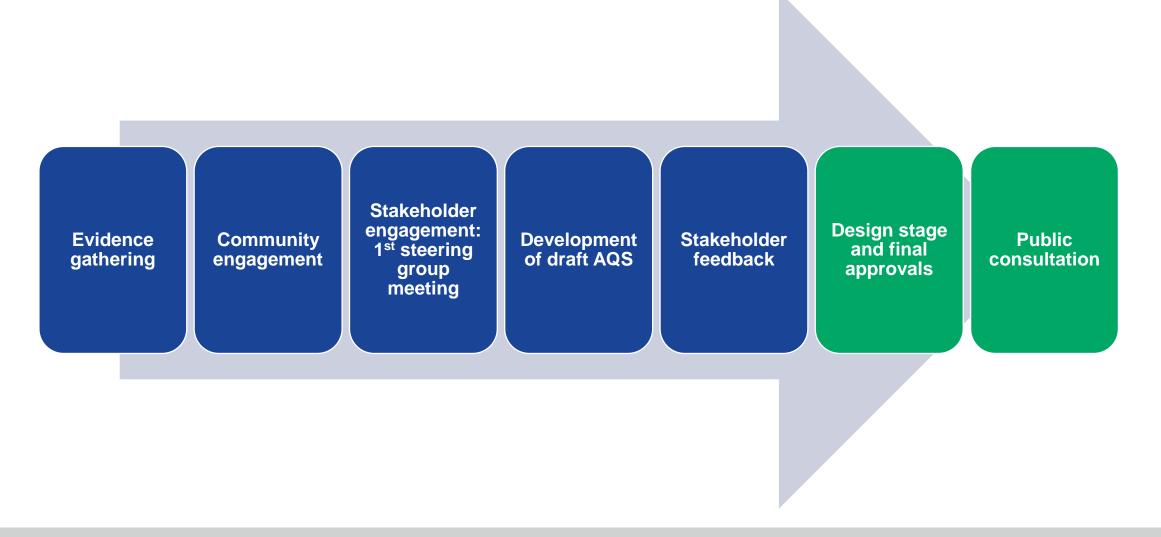
- Local authorities are often large and diverse
  - Very different concerns in different areas
  - Air Quality Strategy partially designed to allow the council to address local concerns
- The flexibility of the Air Quality Strategy format allowed the Council to deal with particular issues on a case-by-case basis as well as setting out long term plans
- Following community and stakeholder feedback, decided to include Area Spotlights highlighting relevant issues for local areas where residents had raised concerns
  - Information on the area
  - · Highlight local sources or issues
  - Local actions to improve air quality





plans

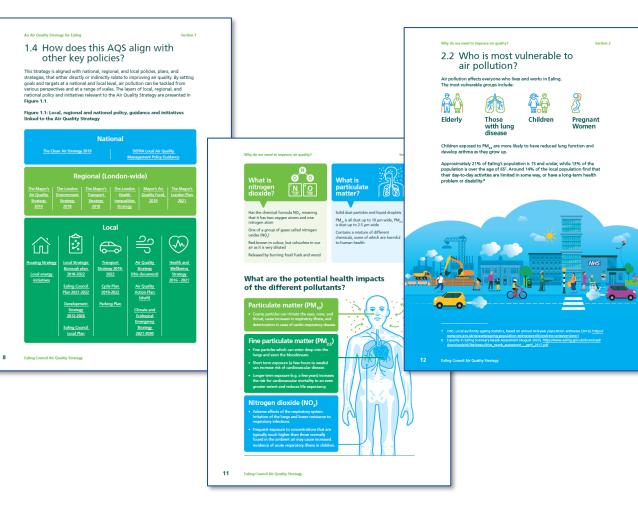
## Our approach to developing an Air Quality Strategy





## Design stage

- Council and Councillors reviewed documents
  - Easiest to make changes before the design stage
  - · Provided incredibly valuable local nuance and understanding
- Ricardo's Design team turned our word document into something eye-catching and accessible
- Meetings with Council Communications team
  - Brand guidelines
  - · Accessibility requirements
    - · Fonts, spacing, etc
    - Screen readers
- · Design team developed example pages for comments
- · We provided basic sketches for infographics and text
  - Design team developed final versions
  - Passed back to Ricardo Air Quality team to check content, emphasis
- Meeting comms team early in the process helped us plan out the content to fit their expectations





## Public consultation

- The Council's consultation team put up the consultation page
  - Links to Air Quality Strategy and Air Quality Action Plan (which was updated for release along with AQS
  - Online survey
    - Opinions on individual measures
    - · Open text responses for detailed response
- Council advertised on social media
- Leaflets were shared with libraries/residents' associations
- Attended in-person events
  - Leaflets with QR codes etc.
  - Paper copies of the strategy to go through
- Ran 2 online webinars explaining the strategy

#### Consultation on air quality strategy and air quality action plan

Home / Council and local decisions / Consultations / Current consultations / Consultation on air quality strategy and air quality action plan

Share

#### This consultation will be open until 30 January 2023

#### Introduction

Ealing Council is carrying out a consultation on its air quality strategy and the air quality action plan. The air quality strategy sets out the council's vision for improving air quality and safeguarding the health of everybody who lives and works here. The air quality action plan has been produced as part of our duty f 🔰 🔤 🔒 to manage local air quality, in accordance with the guidance issued by the Mayor under London Local Air Quality Management. It outlines the actions we will take to improve air quality in Ealing between 2022 and 2027.

#### Your views

We have partnered with Ricardo Energy & Environment, who are carrying out this consultation on the council's behalf.

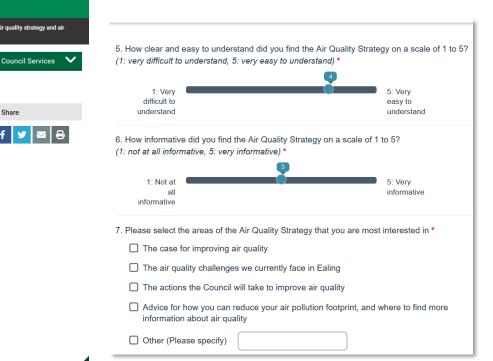
Please read the air quality strategy and the air quality action plan, and give us your views through a short online survey. This consultation will be open between 5 December 2022 and 30 January 2023.

We will also be running two webinars. Each webinar will describe how we prepare the air quality strategy and the air quality action plan, present key themes, and provide an opportunity for attendees to give feedback. The two webinars will cover the same material

1. Monday, 9 January 2023, 6-7pm: use passcode 497256 for online access 2. Thursday, 12 January 2023, 6-7pm: use passcode 920330 for online access

To discuss the air quality strategy and action plan and answer any questions on air quality, we also held two in-person events on our new Local Plan:

 Ealing Town Plan workshop, 9 December 2022, 5.30-7.30pm, Ealing Town Hall, New Broadway, London W5 2BY





## Challenges and lessons learned

#### Challenges

- 1. Range of stakeholders and potential audiences
- 2. Challenging organising feedback on draft documents many stakeholders are very busy!
- 3. Design stage makes it more time-consuming to change things once the report has been converted

#### Lessons learned / advice

- 1. Engage with residents and stakeholders as early as possible
  - Make sure that the strategy addresses local concerns
  - Feedback on local issues was key to structuring the strategy
- 2. It's important to allow time for stakeholder feedback
- 3. Need to be strong on technical foundation
- 4. Work collaboratively with the Council on all aspects of the Strategy
  - Multiple revision stages, regular meetings to agree the direction of the Strategy as it developed
  - · Minimise revisions once the design is finalised



## Any Questions?







EMAQ+ provide training solutions to enable local authority officers and professionals working across public/private sectors.

EMAQ+ offer training solutions in eight categories by way of an on-line live, or pre-recorded webinars in:

- Air Quality
- Emissions Monitoring
- Contaminated Land
- Noise
- Waste
- Climate Change
- Water
- Odour management

Our Essentials courses are a combination of 5 individual modules. To obtain an endorsement in our Essentials syllabus you will need to pass an on-line Knowledge Check for each module and a final Proficiency Test. You will receive your endorsement by way of a CPD.

EMAQ+ also offer many ad hoc webinars and we have the below webinar available to view now. This supports the work carried out by Ricardo for the London Borough of Ealing as was presented as part of this slide pack.

Air Quality Strategies: What are they, who will need one and how do they differ from AQAPs?



## Thank you for joining us!

