



Air Quality Forecasts for London

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Air Quality Workshop

Hôpital de l'Archet 2, Centre Hospitalier Universitaire, Nice, France

12 March 2013

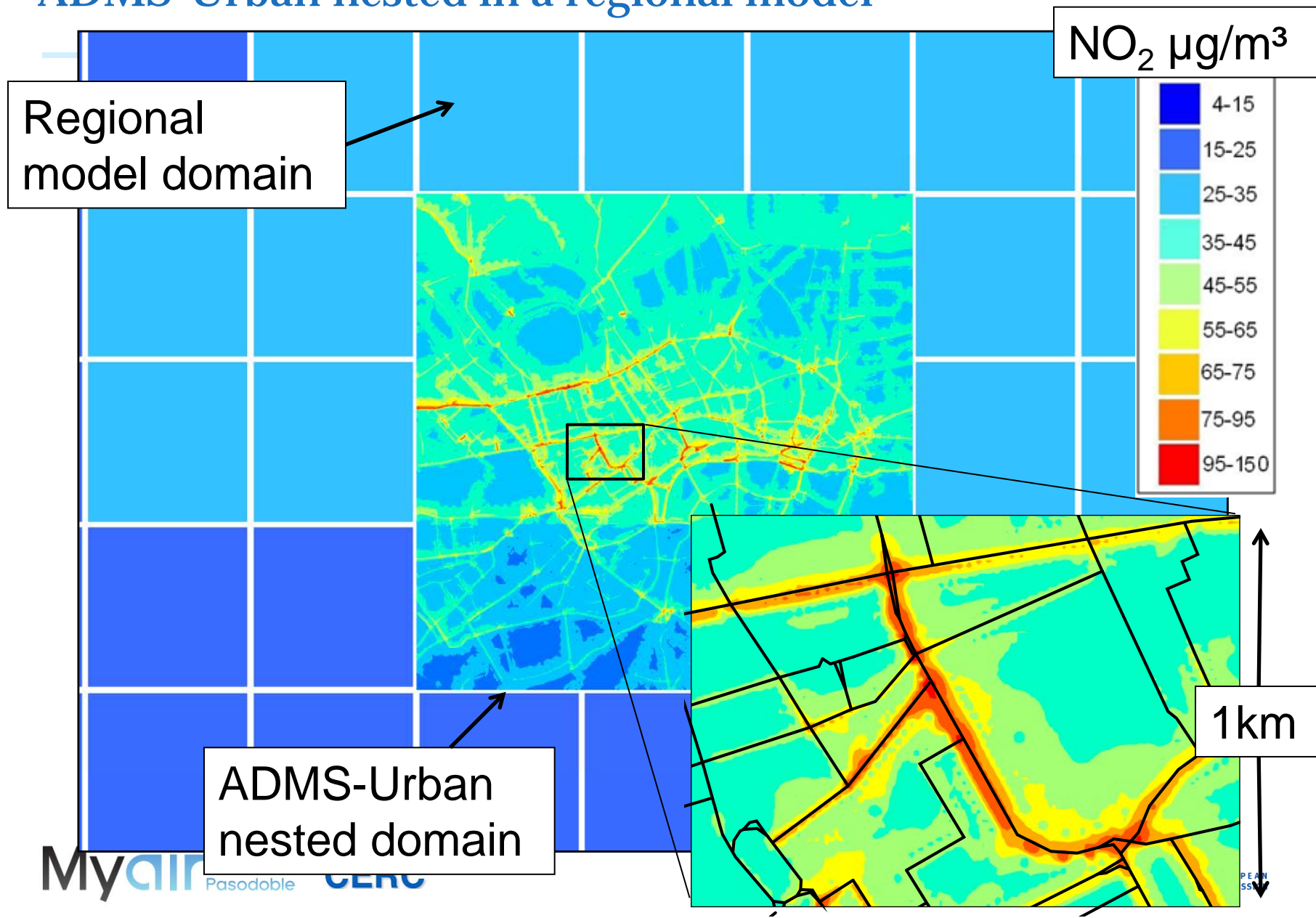


What is *air*TEXT?

- *air*TEXT is the **air quality forecasting service for London**, operated by CERC on behalf of the *air*TEXT consortium, a group of organisations including UK Environment Agency, Health Protection Agency, Greater London Authority (GLA) and all Greater London local authorities
- *air*TEXT provides free air quality alerts direct to over 7000 subscribers
- *air*TEXT was initially developed in 2007 under ESA-funded PROMOTE, and supported by further funding from FP7 PASODOBLE, UK National Government (DEFRA), the GLA and all the Greater London Local Authorities



ADMS-Urban nested in a regional model



Overview of *airTEXT* products

airTEXT forecasts

Direct
messages



Website



Daily
Health
Bulletins



Smart-
phone
App



Twitter



airTEXT – air pollution, UV, pollen & temperature forecasts for Greater London



FREE service from your council



Heart or breathing problems?

Air pollution can harm your health.

airTEXT alerts can help reduce the effects of pollution on you or someone you look after.

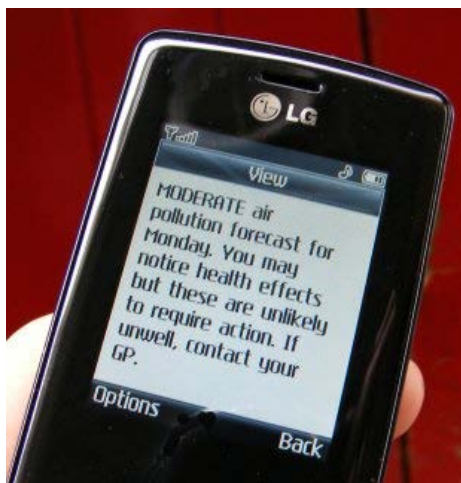
These **FREE** alerts come straight to your home phone, mobile or by email on days of elevated air pollution

SIGN UP NOW FOR FREE!

See inside for details or go to www.airtext.info



FREE service from your council



FREE service from your council

Heart or breathing problems?

Air pollution can harm your health.

airTEXT alerts can help reduce the effects of pollution on you or someone you look after.



These **FREE** alerts come straight to your mobile on days of elevated air pollution

Sign up now for free by:

- Downloading the airTEXT app to your smart phone
- Texting follow [airtext_BOROUGH NAME](http://www.airtext.info) to 86444*
- Following a Borough's alerts on twitter
- Visiting the website www.airtext.info

*users of Orange, Vodafone, O2, 3 or Sure (CWC). For BOROUGH NAME see www.airtext.info/signup, refer to the reverse page or ask your council.

Forecasts provided by:

CERC

airTEXT

Myair Pasodoble


CERC


Gmes
Because we need to know

7
SEVENTH FRAMEWORK
PROGRAMME





EUROPEAN COMMISSION

Daily health bulletin for London boroughs



Supported by
 ISLINGTON
www.airtext.info

Daily Health Bulletin for Islington
Wednesday 22nd June 2011

 Air pollution LOW No action required. Effects unlikely to be noticed. <small>This is a daily air pollution forecast and may be LOW, MODERATE, HIGH or VERY HIGH.</small>	 UV Index 3 (MODERATE) Protection required. Seek shade during midday hours, cover up and wear sunscreen. <small>This is a forecast of maximum hourly cloud-adjusted solar UV index over a 24-hr period. 1 to 2 is LOW, 3 to 5 is MODERATE, 6 to 7 is HIGH or 8+ is VERY HIGH</small>
 Pollen HIGH <small>This is a daily grass pollen forecast and may be LOW, MODERATE, HIGH or VERY HIGH.</small>	 Temperature Max. Day 18°C/65°F Min. Night 13°C/55°F <small>These are the minimum and maximum hourly temperatures predicted over a 24-hour period.</small>

Forecasts produced under EU FP7 project PASODOBLE: <http://www.mylair-eu.org/>

Advice leaflet for Islington

Sample daily health bulletin

What is it?
Air pollution forecast for today.

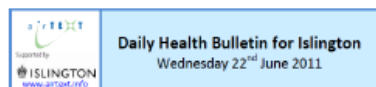
What does it mean?
Air pollution can make breathing difficult for sensitive people, such as the very young, the very old, or those with existing lung or heart problems. The panel contains some advice on whether or not you might need to take any action today.

Where can I get more information?
The airTEXT health and advice webpage has information about what to do if the forecast is moderate, high or very high.
<http://www.airtext.info/healthadvice/index.php>

What is it?
Grass pollen forecast for today.

What does it mean?
In the late spring and summer months, high levels of pollen in the air can cause 'hay fever' symptoms: itchy eyes, sneezing and other effects.

Where can I get more information?
The NHS hay fever webpage has advice on prevention and treatment of hay fever.
<http://www.nhs.uk/Conditions/hay-fever/Pages/introduction.aspx>



<h3>Air pollution</h3> <p>MODERATE</p> <p>Action may be required. Health effects are unlikely to require action. If unwell, contact GP.</p> <p><small>This is a daily air pollution forecast and may be LOW, MODERATE, HIGH or VERY HIGH.</small></p>	<h3>UV Index</h3> <p>6 (HIGH)</p> <p>Protection required. Seek shade during midday hours, cover up and wear sunscreen.</p> <p><small>This is a forecast of maximum hourly (peak) adjusted solar UV index over a 24 hr period. 1 to 2 is LOW, 3 to 5 is MODERATE, 6 to 7 is HIGH, 8+ is VERY HIGH.</small></p>
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<h3>Pollen</h3> <p>MODERATE</p> <p><small>This is a daily grass pollen forecast and may be LOW, MODERATE, HIGH or VERY HIGH.</small></p>	<h3>Temperature</h3> <p>Max. Day 26°C/79°F</p> <p>Min. Night 15°C/59°F</p> <p><small>These are the minimum and maximum hourly temperatures predicted over a 24-hour period.</small></p>
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Forecasts produced under EU FP7 project PASODOBLE <http://www.cerc.europa.eu>

What is it?
Maximum daytime UV index forecast, including the effect of clouds.

What does it mean?
The UV index measures the strength of the sun. The higher the UV index, the more likely your skin is to burn. The panel gives some general advice on protection required today.

Where can I get more information?
Cancer Research UK's SunSmart campaign has a webpage with advice on staying safe in the sun:
<http://www.sunsmart.org.uk/advice-and-prevention/>

What is it?
Maximum daytime temperature and minimum nighttime temperature forecast in degrees Celsius and degrees Fahrenheit.

What does it mean?
A prolonged period of high daytime maximum and high nighttime minimum temperatures can cause problems for vulnerable people, such as the very old and the very young.

Where can I get more information?
The NHS heatwave webpage has advice about how to keep cool in hot weather and a link to the Department of Health's heatwave plan for 2011:
<http://www.nhs.uk/News/SummerHealthPages/Heatwaves.aspx>

Health bulletin?
Air pollution, UV
temperature in a
leaflet for display
print out in
a pin up.

pollution, UV,
temperature can all
Knowing
people to
y to take
ul effects.

ed every day
trial service,
starting on

Islington?
supported by

EU project PASODOBLE, with support from Islington Borough Council. If successful it may be extended to other regions of London in the future.

How do I get it?

The free bulletin is emailed out daily to subscribed users. To subscribe, email forecast@cerc.co.uk. Emails are sent out in the evening with the bulletin for the following day as a PDF attachment.

Useful links

Air pollution: airTEXT health and advice webpage:
<http://www.airtext.info/healthadvice/index.php>

UV: Cancer Research UK's SunSmart webpage:
<http://www.sunsmart.org.uk/advice-and-prevention/>

Pollen: NHS hay fever advice:
<http://www.nhs.uk/Conditions/hay-fever/Pages/introduction.aspx>

Temperature: NHS heatwave advice:
<http://www.nhs.uk/News/SummerHealthPages/Heatwaves.aspx>

EU FP7 PASODOBLE project:
<http://www.myairsta.eu/>

Partners



Provider of air pollution forecasts and developers of the system that produces the daily health bulletin.



Supporter of the trial service.



Provider of meteorological, UV and pollen forecasts.



The web site for the EU's PASODOBLE project which is funding the trial.

Contact

Email: forecast@cerc.co.uk
Phone: 01223 357773



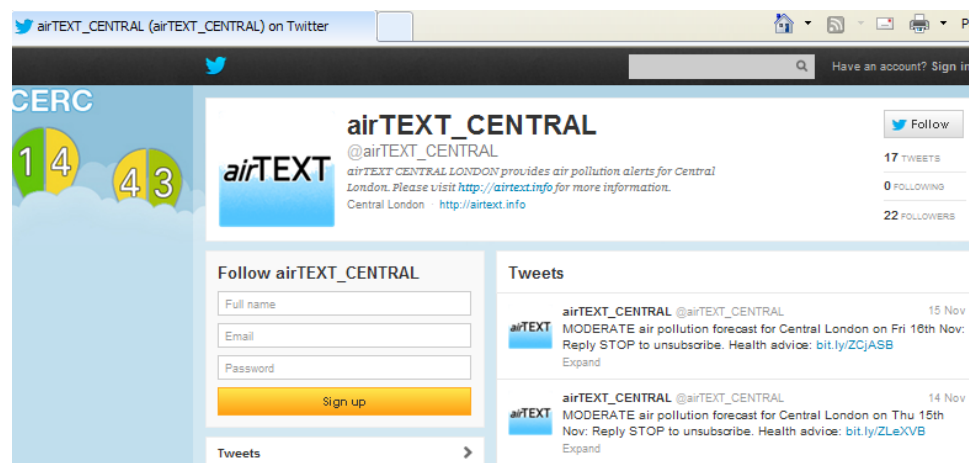
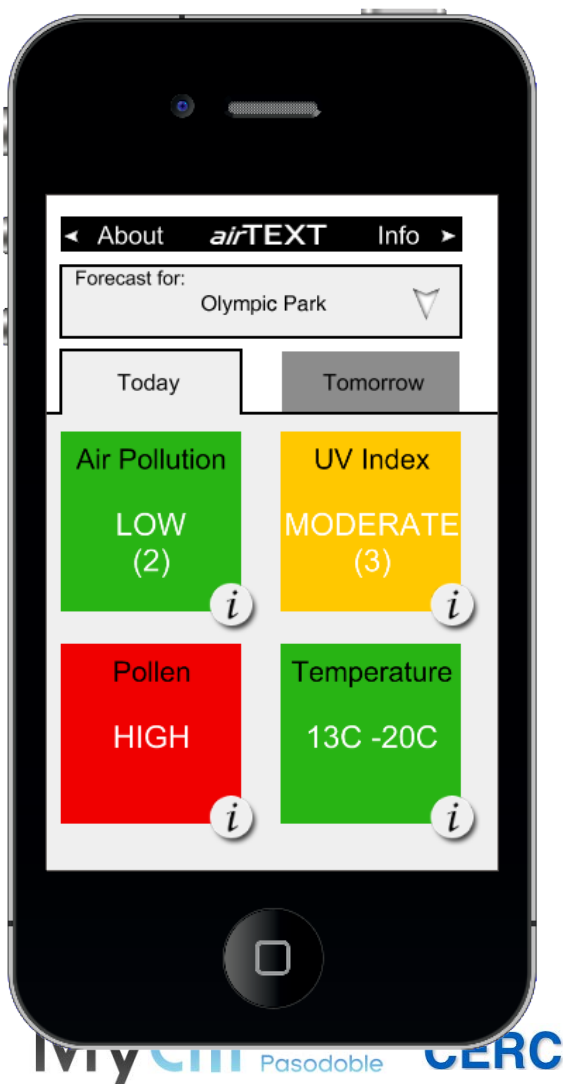
Your Guide to the Daily Health Bulletin



Daily forecasts of pollution, UV, pollen and temperature for display in public spaces.



Smartphone Apps & social media sites



airTEXT A Consortium of London boroughs in partnership with:

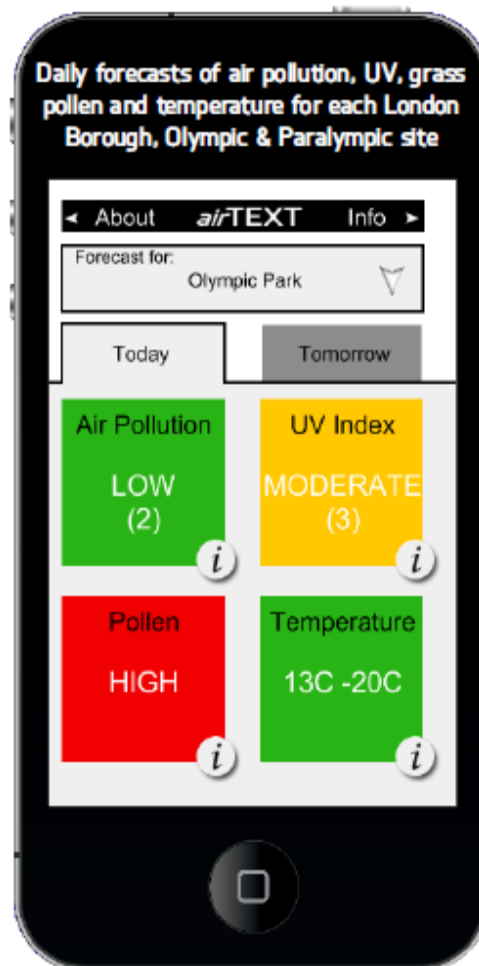
MAYOR OF LONDON

Gmes



EUROPEAN COMMISSION

CERC



This service is free to the public thanks to funding from Defra, EU FP7 PASODOBLE project & the Mayor of London www.defra.gov.uk www.myair-eu.org www.london.gov.uk

Myair Pasodoble

CERC

Gmes
Because we need to know



EUROPEAN COMMISSION

Mayor backs new airTEXT service to help Londoners receive better pollution alerts

Londoners and visitors to the capital will be able to receive better information about forecast pollution levels thanks to a brand new 'app' designed by the airTEXT consortium. There will also be improved Twitter services and an enhanced airTEXT website.





http://www.getaheadofthegames.com/things-you-should-know/changes-roads.html

File Edit View Favorites Tools Help

Google get ahead Go 15 blocked Check Send to get ahead

Roads | Olympic Travel Advice | Olympic Disruption | ...

Page Safety Tools

Get Ahead of the Games Travel in affected areas **Things you should know** Going to the Games Advice for businesses

LONDON DRIVERS: Avoid driving where possible. If your journey is essential, plan in advance to avoid delays and disruption. [Find out more.](#)


Things you should know


Find out how travel will be affected in:
London


Roads Public transport

Roads


During the Games, there are some changes being made to how roads will operate. This section tells you what is happening, when and where, to help you work out how your travel might be affected and allow you to plan around any disruption.

Olympic Torch Relay

[Find out more](#)

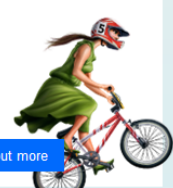
Transport changes in London Boroughs

[Find out more](#)

Olympic Route Network

[Find out more](#)


Daily bulletins
Get detailed travel bulletins for each day of the Games.
[Download now](#)

Plan your journey
Don't get caught out. Plan your journeys in advance.



Cycling


[Find out more](#)


Walking


[Find out more](#)


Accessible travel


[Find out more](#)


Road safety


[Find out more](#)

Home deliveries


[Find out more](#)

Taxi and private hire drivers


[Find out more](#)

Websites and tools

- [Transport Direct Journey Planner](#)
- [TfL Journey Planner](#)
- [TfL live traffic updates](#)
- [TfL Cycle Journey Planner](#)
- [Get Games email travel alerts](#)
- [Cycle hire docking station suspensions](#)
- [Highways Agency](#)
- [Traffic England](#)
- [airTEXT](#)
- [London Air Quality Network](#)
- [Competition schedule](#)
- [Security during the Games](#)

Know the **air** you breathe

Free air pollution information and warnings straight to your phone when air quality is poor. A service for everyone but especially useful if you have asthma, hayfever or heart and lung problems.



Special service for the Olympic park. To sign up

- Text **airtext_hackney** to **86444** (for other London Borough's see the website)
- Download the android or iphone app from the app store or [insert instructions]
- Check out the website www.airtext.info

Brought to you by Hackney and the other London Boroughs



Photo: © Getty Images/Chris Wedel/Photo Disc



CERC





Services

Parks and environment

Pollution

Air Quality

Air quality action plan

Industrial air pollution

Monitoring local air quality

Smoke control and bonfires

Air quality in Islington

Air quality in Islington is monitored by King's College and posted on the [London Air Quality Network website](#). This website provides information about existing and historic levels of air pollution in the borough. Bulletins charting previous pollution levels in the borough can be requested through the [Pollution Service](#).

The following pages provide information about the types of air pollutants that are monitored, and steps to improve the borough's air quality.

Poor air pollution can cause an exacerbation of cardiovascular and respiratory illness particularly for susceptible groups, for example those with asthma, emphysema or COPD (Chronic Obstructive Pulmonary Disease); the young and the elderly. The air quality in London is amongst the worst in the UK and Europe, yet there is a lack of awareness of the links between air pollution and ill health and the health risks.

Information about poor air pollution can be received via the airTEXT service. This is free to users and provides forecasts for UV index, pollen, temperature and air quality. The airTEXT widget on the right of this page shows the current forecast. Levels of 1-3 are considered to be low, 4-6 indicate moderate levels, whilst 7-9 shows high concentrations. A level 10 forecast indicates very high levels of concentrations.

iPhone and android users can download the airTEXT app, alternatively follow us on Twitter @airtext_ISLNGTN or text 'follow airtext_ISLNGTN' to 86444.

airTEXT widget

Air pollution forecasts for London

Today: 1 / Tomorrow: 1

[Return to zone list](#)

Islington

Air pollution: 2/2

O3: 1/1

NO2: 2/2

PM10: 2/1

PM25: 2/2

UV: 1/1

Pollen: LOW / LOW



Air pollution
near to main
roads

MODERATE

Action may be required.

Health effects are unlikely to require action. If unwell,
contact GP.



Air pollution
away from
main roads

LOW

No action required.

Effects unlikely to be noticed.



UV

LOW

No action required.

You can safely stay outside.



Pollen

LOW



Temp

Max. Day

9°C/49°F

Min. Night

3°C/37°F



Rain

Morning

Dry

Evening

Dry

Breathe Better Together



spare the air

EXPLORE BY: Topics Visitor Type What's New BSS

Spare the Air Status

Friday, 3/2

No Spare the Air Alert in Effect

spare the air

Air Quality Widgets | BAAQMD

2 Day Forecast

Air Quality Forecast

Thursday, March 01 at 10:19 AM

	Fri	Sat
North Counties	35	G
Coast and Central Bay	32	G
Eastern District	34	G
South Central Bay	33	G
Santa Clara Valley	45	G

Stay Informed about our Air Quality

Get Involved in your Community, Business or School

Make a Difference Learn how to Spare the Air

News

Recent Air Quality

View daily summaries of air quality for the weeks of:

Jan. 23-29
Jan. 16-22
Jan. 9-15
Jan. 2-8
Dec. 26-Jan. 1
Dec. 19-25
Dec. 12-18

Spare the Air in the San Francisco Bay Area

The Spare the Air Program was established by the Bay Area Air Quality Management District to educate people about air pollution and to encourage them to change their behavior to improve air quality.

On this site you will find daily air quality

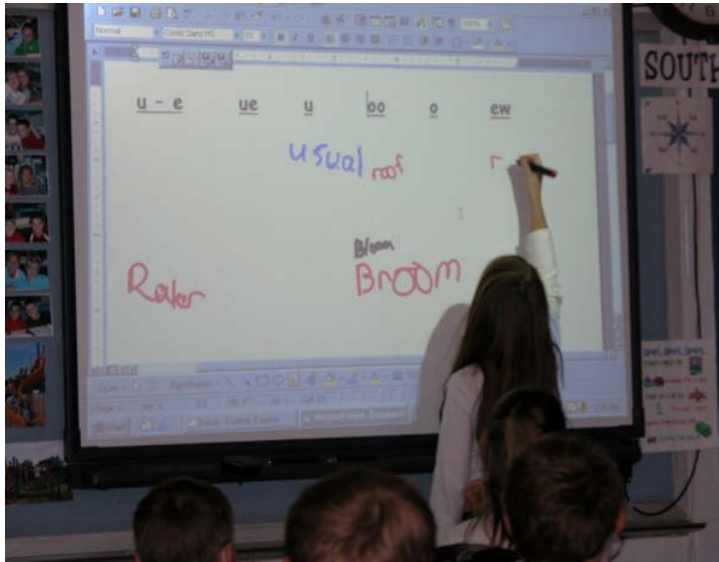
spare the air

Myair Pasc



FRAMEWORK
BAAQMD





Informing Residents When Pollution is Elevated

In the UK, most air pollution information services use the index and banding system recommended by the UK Committee on Medical Effects of Air Pollutants (COMEAP). The system uses an index numbered 1-10 divided into four bands (Low-Very High) to provide more detail about air pollution levels in a simple way. The index includes information about the impact of pollution upon the general population and at risk individuals (those who are likely to be sensitive to the effects of air pollution). The full index can be found at <http://uk-air.defra.gov.uk/air-pollution/daq1>.

Air quality bulletins can enable sensitive individuals (people who suffer from heart disease or lung diseases, including asthma) to take preventative measures when air pollutants are elevated, to avoid negative effects on their health.

This index is used as the basis for subscribers to the free London-wide airTEXT scheme, who receive alerts when pollution levels are forecast to be elevated. More information can be found at www.airtext.info.

In 2012, Camden Council installed London's first live LED air quality sign on the Euston Road. This sign advises when air pollution reaches moderate or above, and provides a range of sustainable travel advice. The sign has generated interest in the media and social media and there has been a general increase in air quality related enquiries to the Council over the past year.



Thanks for listening!

paul.clift@islington.gov.uk

www.airtext.info