

Science, Art and Smartphone Apps – New ways of Engaging the Public

Andrew Grieve- King's College London

andrew.grieve@kcl.ac.uk

www.kcl.ac.uk

The Environmental Audit Committee

"The costs to society from poor air quality are on a par with those from smoking and obesity. A public awareness campaign would be the single most important tool in improving air quality. It should be used to inform people about the positive action they could take to reduce emissions and their exposure."

http://www.publications.parliament.uk/pa/cm201012/cmselect/cmenvaud/1024/102406.htm#a11

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Exhale Project



- •4 Year study (ongoing)
- •Respiratory health of year 4
- •20 schools each year in winter
- •~2500 children reached
- •Teaching session science & art









Exhale Project



London Air website

Tooby



London Air website - videos



www.kcl.ac.uk



- •Released March 2010
- Push notifications
- •Currently 6422 active subscribers
- •Contextual health advice
- •Predictions New Daily Air
- Quality Index







- •Completely Interactive zoom/pan
- •Hourly & Annual maps
- •Greyscale basemap
- •Opacity control





London Air – Android App



- •Released September 2011
- •Over 1000 users
- •Functionally identical to iPhone

AirText



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Boroughs	Game Sites
Barking	and Dagenham
	Barnet
	Bexley
	Brent
	Bromley
	Camden
Cit	y of London
	Back
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London Air – Chrome Extension



London Air – Chrome Extension



- •Released September 2011
- •Currently 3,722 users
- •Icon changes colour
- Notifications
- •Health advice

London Air – Chrome Extension





Facebook & Twitter



- •Dissemination of forecasts
- •Link to episode analysis
- •Link to health advice during episodes



- •Link to videos during episodes
- •Time
- •Voice



An Air Quality Action Day is forecast in our region for today (Monday, August 1, 2011).

URGENT!

Here are several simple steps to take TODAY to prevent pollution:

- · Combine errands into a single trip.
- · Postpone unnecessary trips.

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Emissic

- Take the subway, bus or train instead of driving.
- · Avoid letting your vehicle idle, such as at the drive-thru.
- · Forward this message to family and friends.

The New York State Department of Transportation has declared that today, Monday, August 1, 2011, is an Air Quality Action Day in the downstate metro area due to forecasted high levels of ground-level ozone pollution in parts of the region (please visit the Clean Air NY Web site for more information http://www.cleanairry.org/LocalAirQuality/Default.aspx). While today is still a day when people can go about most of their normal activities, such as going to work, driving may be one of the most polluting activities that people do today, and we encourage everyone to leave their cars at home if possible.

Ground-level ozone is a respiratory irritant that can trigger asthma attacks and aggravate emphysema, bronchitis and other respiratory ailments. Children, people with pre-existing respiratory or heart conditions, people doing strenuous outdoor work or exercise and the elderly are particularly vulnerable to the effects of ozone.

To learn more about improving air quality or if you were forwarded this message and want us to send updates to your own e-mail address, visit CleanAirNY.org.

Clean Air NY is sponsored by the New York State Department of Transportation in support of regionwide air-quality efforts.

511NY is New York State's official traffic and travel info source. Whether you drive or take public transit, click here for precisely what you need, or simply dial 511 on your phone.

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<u>CleanAirNY.org</u> 116 John Street Suite 800 New York, NY 10038 info@CleanAirNY.org



