



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

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### 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

### Contents

- Exhale project schools
- London Air website
- London Air apps
- What next

## **Exhale Project**



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





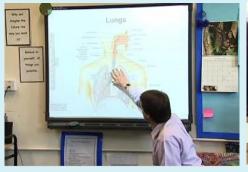




# **Exhale Project**





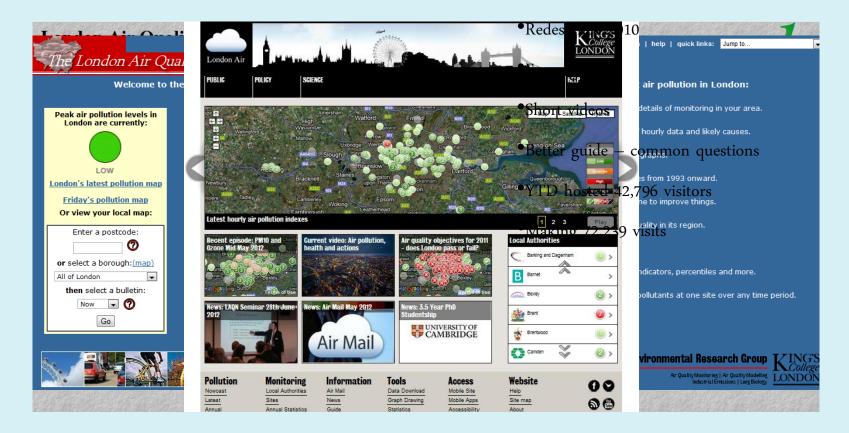






#### London Air website

#### **100b**y



#### London Air website - videos





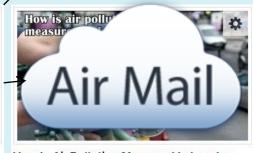




What Is Wintertime Smog?



What Can Be Done To Reduce Air Pollution?



Should I Worry About Air Pollution?





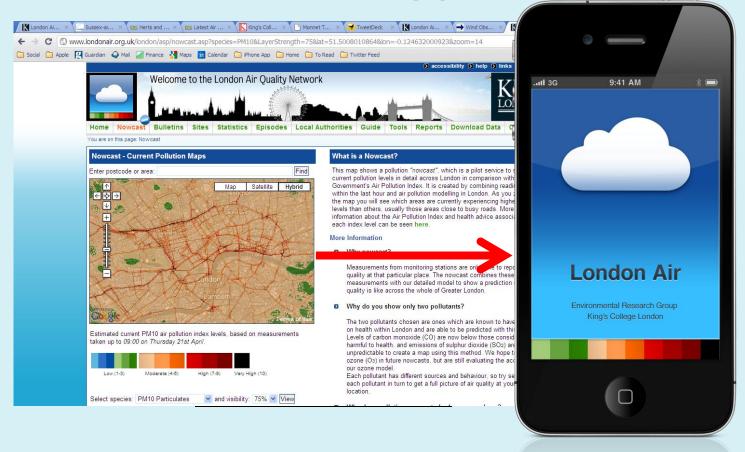






- •Released March 2010
- Push notifications
- •Currently 6422 active subscribers
- •Contextual health advice
- Predictions New Daily Air

Quality Index

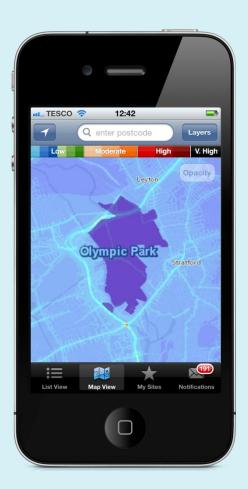






- •Completely Interactive zoom/pan
- •Hourly & Annual maps
- •Greyscale basemap
- Opacity control





## London Air – Android App



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

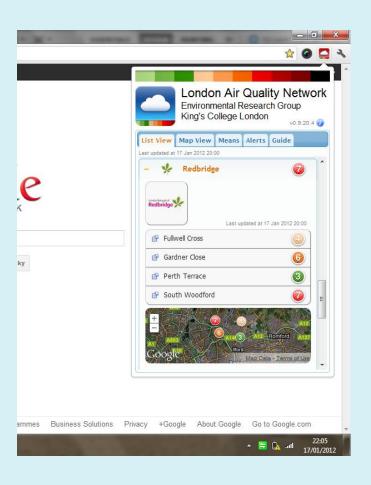
### **AirText**



### London Air – Chrome Extension

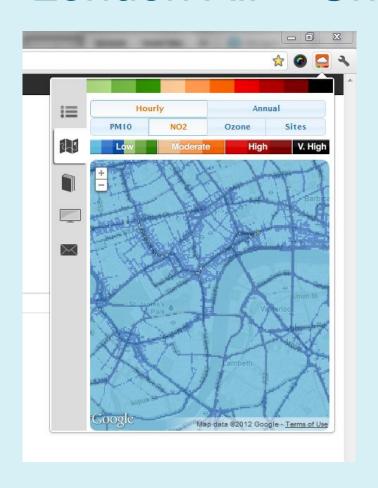


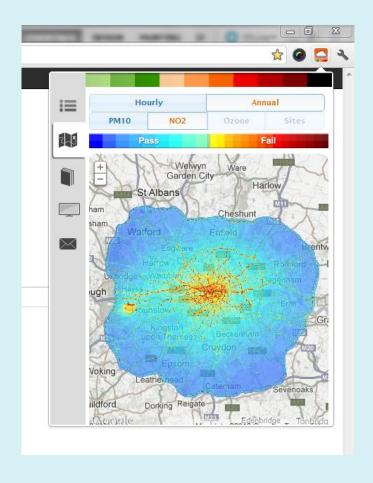
### London Air – Chrome Extension



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

### London Air – Chrome Extension





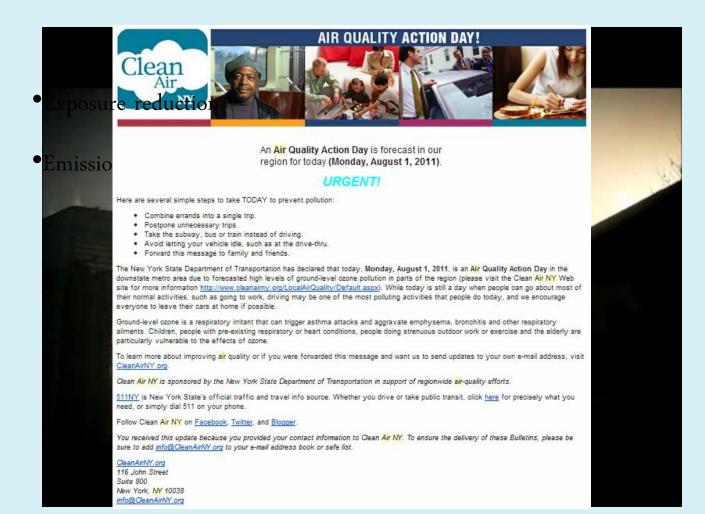
### Facebook & Twitter



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



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



















































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Council







THE ROYAL BOROUGH OF

WINDSOR AND MAIDENHEAD









