



SAQD Developments 2013 - 2016

Paul Willis

18th March 2013

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Introduction

- The SAQD will continue to develop in the next three years.
- Some enhancements are included in the core of the new contract.
- Many ideas have been put forward for developments which could be funded in the future.
- Your thoughts?

Core Developments Include

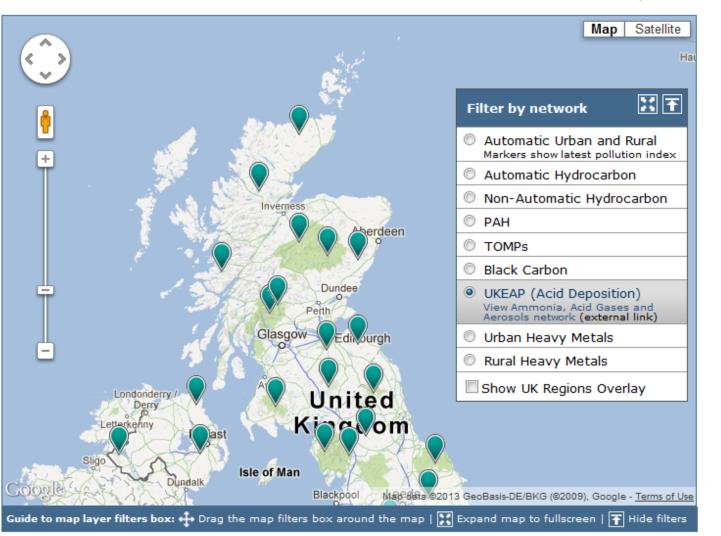
- AURN equivalent quarterly data ratification.
- SAQD expansion to cover all pollutants and measurement information for Air Quality stations in Scotland.
- Improved software for upload of NO₂ diffusion tube data from Local Authorities.
- Website re-design.
- Mobile website enhancements.
- Improvements to LAQM and Smoke Control zones visualisation.
- Training videos.

Quarterly Data Ratification

🟗 Ratification - Edinburgh St Leonards [Apr-2012 to Jun-2012]											_ D X
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Interactive monitoring networks map

Use the interactive map below to explore different UK monitoring networks. The map shows the current sites within the network selected. Information about the selected network is shown below the map.



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Extended SAQD Pollutant List

Filter by environment type for UKEAP (Acid Deposition) Network

Show or hide different markers on the map above for the selected network below. The number in brackets indicates the number of sites with this classification.

NO₂ Diffusion Tube Data

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You are logged in as:

NO₂ Diffusion Tube Data Entry System **RICARDO-AEA** Data Manager Monitoring Data Monitoring Site Log off Select year here to change year: The Web-Based Data Entry System allows Local Authorities to enter -2012 diffusion tube monitoring results, and update site details and contact information. Monitoring calendar for year 2012 Select the Monitoring Data tab, to: Period Start Date End Date Enter new data by selecting the year and period 04/01/2012 2012 1 01/02/2012 4 View existing data previously entered, and 2012 2 01/02/2012 29/02/2012 4 Amend existing data previously entered. 2012 3 29/02/2012 28/03/2012 4 Select the Monitoring Site tab to manage your site details. This 2012 4 28/03/2012 25/04/2012 4 includes the following options: 2012 5 25/04/2012 30/05/2012 5 · Add a new site View and amend existing sites 2012 6 30/05/2012 27/06/2012 4 2012 7 27/06/2012 01/08/2012 5 If any sites have more than 1 tube: 2012 8 01/08/2012 29/08/2012 4 Include number of tubes for new sites View and amend number of tubes at each site 29/08/2012 2012 9 26/09/2012 4 10 26/09/2012 31/10/2012 Your user details can be changed and managed by clicking on the 2012 5 Users tab. Apart from updating your details, you can also change 2012 11 31/10/2012 28/11/2012 4 your password to something easier to remember. 2012 12 28/11/2012 02/01/2013 5 For full system guidance click here.

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Website Redesign

Find us on: 📘



Air Pollution



Website Redesign Alternative



Kids corner



Latest news

 Consultation on updated UK National Implementation Plan for Persistent Organic Pollutants 27 [11] 2012 Oganic Pollutants

 Second story to do with air quality and its effects on the elderly and can be three lines long
27[11]2012 Age groups

 Third story third story third story third story third story and can be three lines long 27|11|2012 Transport



Mobile pages Find out how to view the pollution levels in Scotland on war mobile RICARDO-AEA

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Embedded Training Videos



Designing out Waste: Video Tutorials

The following video tutorials provide step-by-step instructions on how to use the Designing out Waste Tool for Buildings and Civil Engineering.

The Designing out Waste module series has been approved by RIAS. Users who have watched the module series (1, 2 and 3) will be able to claim a total of 1.25 hours towards their annual CPD record.



DoW module 1 -Introduction.



DoW module 2 -Tools and guidance.



DoW module 3 -Case studies.



DoW Tool for Buildings #1 -



DoW Tool for Buildings #2 - Waste



DoW Tool for Buildings #3 -

Related pages

Designing out Waste

Designing out Waste Tool for Buildings

Designing out Waste Tool for Civil Engineering

Site Waste Management Plan Tools: Video Tutorials

Net Waste Tool: Video Tutorials

Waste to Landfill Reporting Portal: Video Tutorials

Related documents

Designing out Waste Tool for Buildings workbook (917.55 KB)

 Designing out Waste Tool for Civil Engineering workbook (1.4 MB)

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Optional Developments

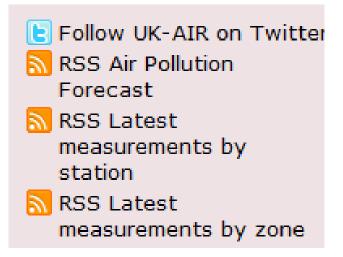
- Data API and INSPIRE compliant SAQD.
- QR Codes on Monitoring Sites.
- Enhanced Mapping of Air Quality across Scotland.
- "Back-casting" using air quality modelling to calculate an Air Quality Indicator.
- Website Compliance Dashboard.
- Enhanced graphing.

D

INSPIRE Services

GIS database

Stay updated...



Web Map Service Server



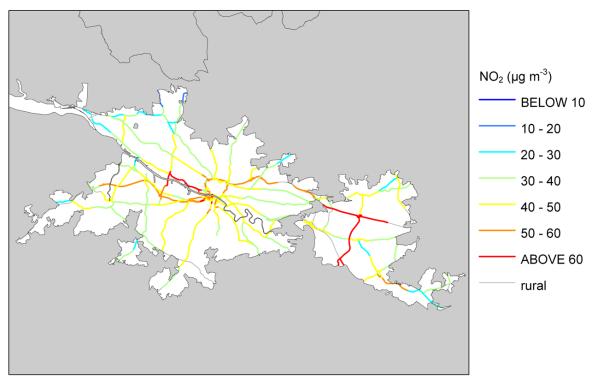
QR Codes



- The above code when scanned leads directly to the data for Errol Place in Aberdeen.
- These codes could be physically placed on monitoring sites, or around a city, where the public can scan the code using a smart phone with a QR Reader to get data from the nearest local Air Quality stations.

Enhanced Mapping

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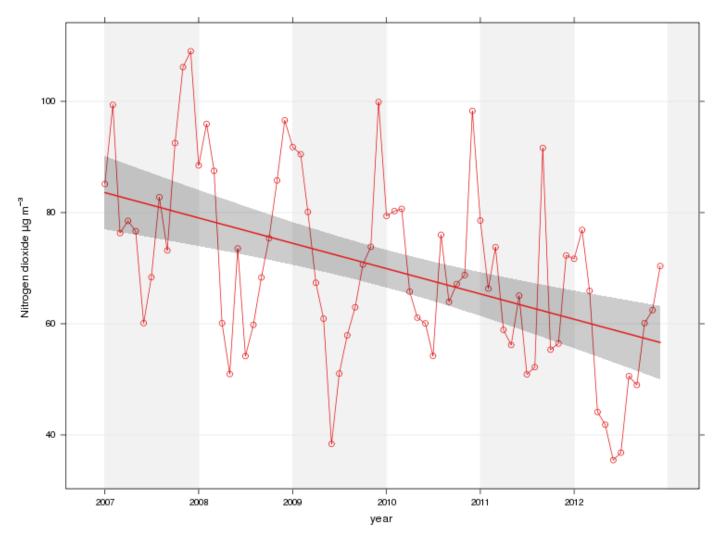


0 2 4 6 8 10 km

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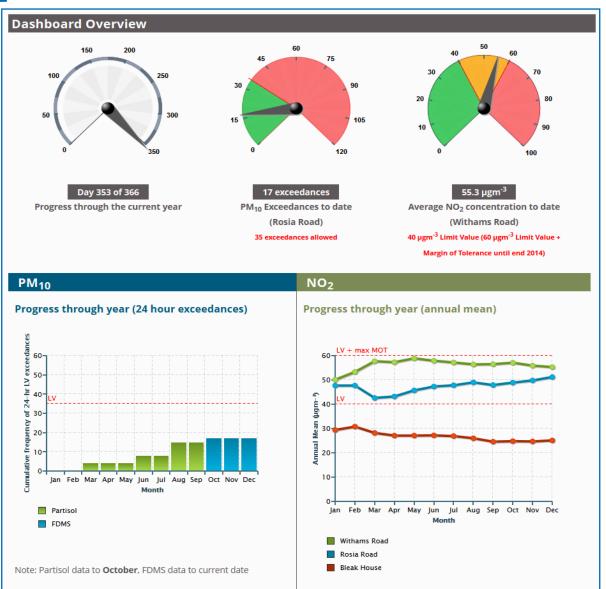
Air Quality Indicators





Compliance Dashboard

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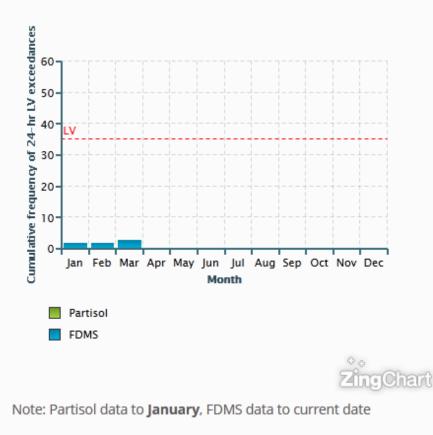
Improved Graphing

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PM₁₀

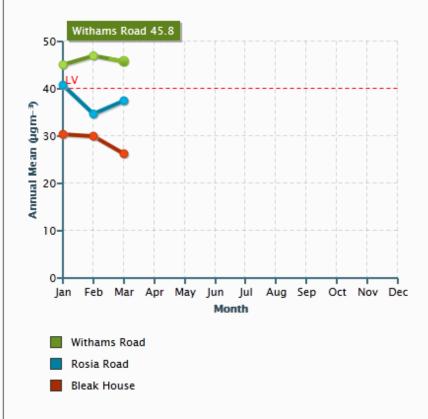
NO₂

Progress through year (24 hour exceedances)



Progress through year (annual mean)







Optional Developments

- SMS alert service for Scottish Government and Local Authorities to report Moderate or higher measured concentrations.
- New Children's section for older age groups.
- Youtube account .
- Apps for iPhone/Android.
- Twitter.
- Facebook.
- LinkedIn Group.

Educational Developments

Working closely with stakeholders and advisors to build on "Air Pollution Detectives"



Educational Developments

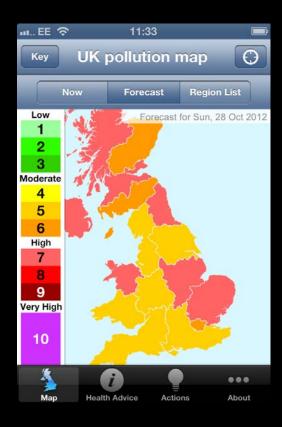
For Older Groups:

- Various options might include webpages that provide:
- Information on air quality, emissions and transport with associated teachers notes
- Downloadable survey sheets to determine baseline school travel habits and behaviour
- Carbon and Air Quality footprint calculators to enable students to quantify their baseline and future contribution to local emissions from travel to/from activities.

uBreathe iPhone App







Social Media





@DefraUKAir on Twitter



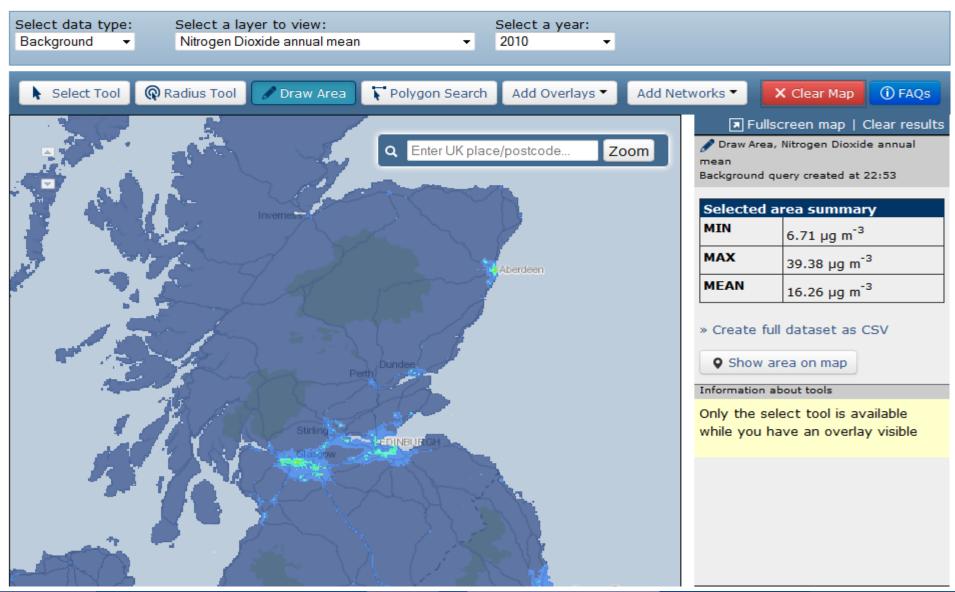
For Further Discussion

- Single and uniform internet based data logging technology across all SAQD sites.
- Interactive online publication of mapped data sets.
- Link to Airborne Hazard Emergency Response Service (AHER).
- Alternative routes to publication of SPRI data.
- Enhanced Air Quality Forecasts for 2014 Commonwealth Games.

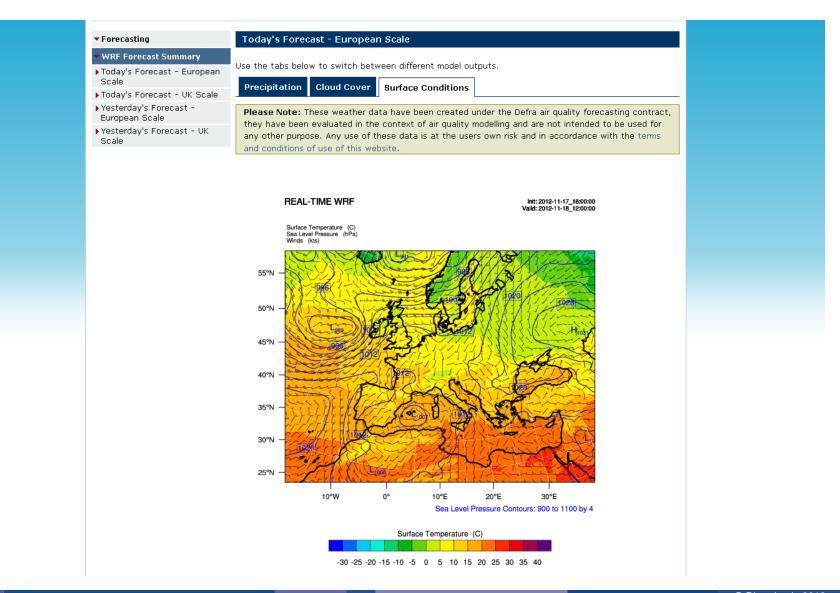
GIS Interactive Maps

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GIS Mapping Interactive Viewer



Air Quality Forecasts



Many Thanks for Listening.



Your thoughts??

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