



**Ricardo**  
**Energy & Environment**

# **Scottish Air Quality Database and Website Annual Seminar 2016 – Celebrating 10 years of excellence!**

**Agenda**  
**22<sup>nd</sup> March 2016**



# Air Quality in Scotland 2016



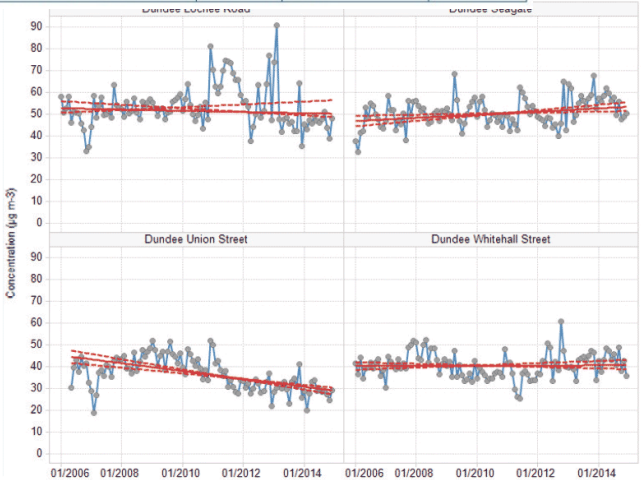
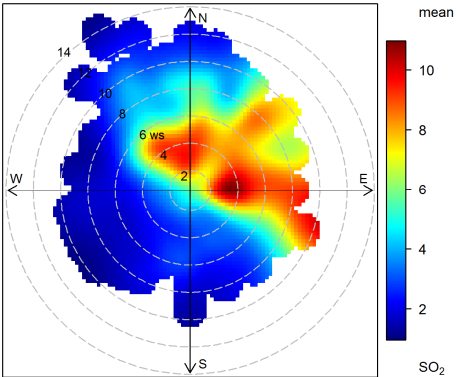
## Edinburgh St Leonards

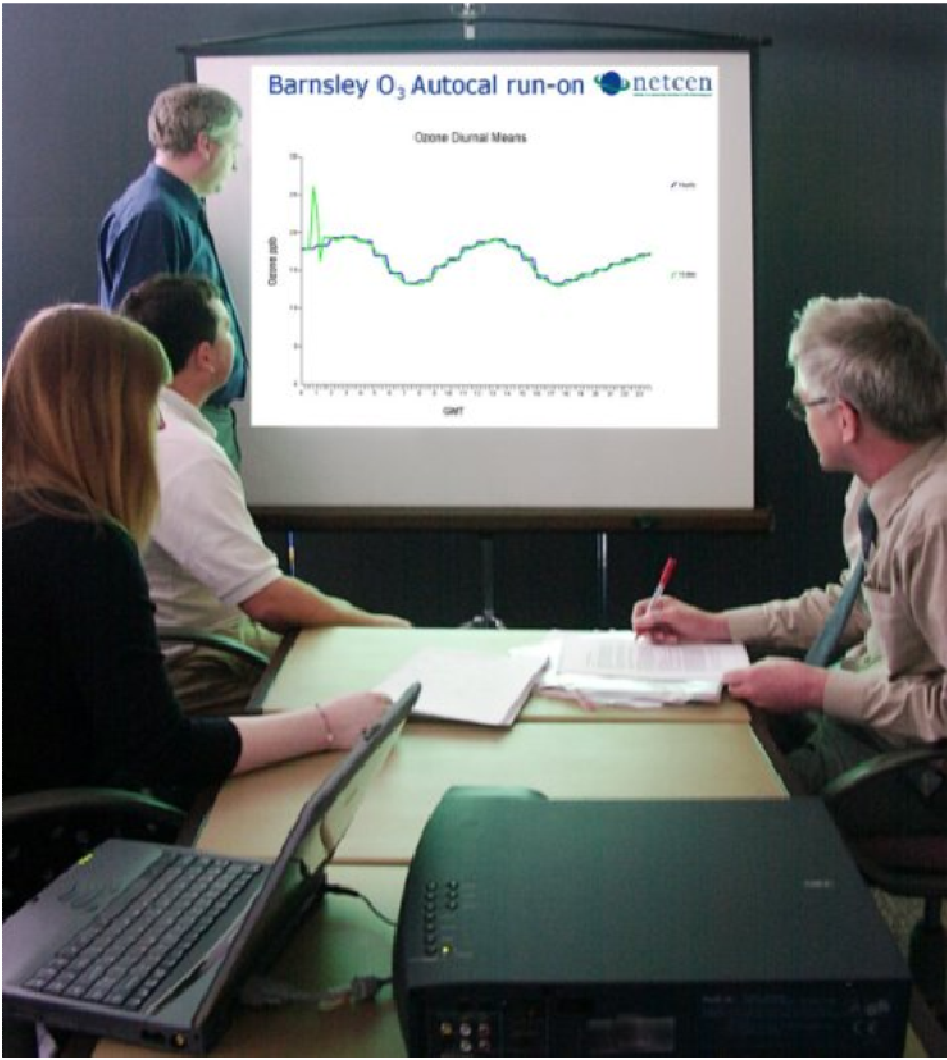
Site ID: ED3  
Latest pollution level at this site is: **LOW (Index 3)**  
Last updated: 12/06/2015 18:00  
[View this site on the interactive map](#)



Latest Data   Graphing   Statistics   Site Information   Site Photos

Pollutant	Band	Concentration	Period
Ozone (O <sub>3</sub> )	LOW (3)	73 $\mu\text{g m}^{-3}$	8 Hour mean
PM <sub>10</sub> particulate matter (Hourly measured)	LOW (2)	23 $\mu\text{g m}^{-3}$ (TEOM FDMS)	24 Hour mean
PM <sub>2.5</sub> particulate matter (Hourly measured)	LOW (1)	10 $\mu\text{g m}^{-3}$ (TEOM FDMS)	24 Hour mean
Sulphur dioxide (SO <sub>2</sub> )	LOW (1)	11 $\mu\text{g m}^{-3}$	15 Minute mean
Nitrogen dioxide (NO <sub>2</sub> )	LOW (1)	13 $\mu\text{g m}^{-3}$	Hourly mean
Non-volatile PM <sub>10</sub> (Hourly measured)	Not applicable	19 $\mu\text{g m}^{-3}$ (TEOM FDMS)	24 Hour mean
Volatile PM <sub>2.5</sub> (Hourly measured)	Not applicable	2 $\mu\text{g m}^{-3}$ (TEOM FDMS)	24 Hour mean
Volatile PM <sub>10</sub> (Hourly measured)	Not applicable	4 $\mu\text{g m}^{-3}$ (TEOM FDMS)	24 Hour mean
Non-volatile PM <sub>2.5</sub> (Hourly measured)	Not applicable	8 $\mu\text{g m}^{-3}$ (TEOM FDMS)	24 Hour mean
Carbon monoxide	Not applicable	0.1 $\text{mg m}^{-3}$	8 Hour mean
Nitric oxide (NO)	Not applicable	20 $\mu\text{g m}^{-3}$	Hourly mean
Nitrogen oxides as nitrogen dioxide (NO <sub>x</sub> asNO <sub>2</sub> )	Not applicable	44 $\mu\text{g m}^{-3}$	Hourly mean









# Rewind – ‘Top Gun’



# Agenda



<b>09:15</b>	<b>Registration – Tea/Coffee</b>	
<b>10:00</b>	Welcome and Introduction	Andrew Taylor – Scottish Government
<b>10:20</b>	Removing the Effects of Weather from Trends – Improved Insights for Air Pollution Data Analysis	Dr David Carslaw – University of York / Ricardo Energy & Environment
<b>10:50</b>	Comfort Break	
<b>11:05</b>	Remote Sensing Real Driving Emissions in Aberdeen	Dr James Tate – Leeds Institute for Transport Studies
<b>11:35</b>	PM Ratio and Network Design	Stephen Stratton - Ricardo Energy & Environment
<b>12:05</b>	Lunch	
<b>12:50</b>	Background Air Quality Network Monitoring at High and Low Temporal Resolution: Data Uses and Future Challenges	Dr Christine Braban – Centre for Ecology and Hydrology
<b>13:20</b>	Developing the Data Analysis and Visualisation Tools within the Scottish Air Quality Database	Dr Colin Gillespie – Scottish Environment Protection Agency
<b>13:50</b>	Sensor Observatory Service	Tony Bush – Apertum
<b>14:20</b>	Innovative Technologies	Dr Justin Lingard - Ricardo Energy & Environment
<b>14:50</b>	Tea/Coffee Break	
<b>15:05</b>	Clear the Air	Jennifer Simpson - Ricardo Energy & Environment  John Ferguson – St John Ogilvie High School
<b>15:35</b>	Breathe Scotland	Dr Geeta Puri – Environmental Protection Scotland
<b>16:00</b>	Q&A – Session Close	