Round-Up

Rural Environment

- Heavy Metals – source/transport/impact on the environment/soil content analysis/contaminated land
- Specific analysis of data EU/UK/Scotland – including interrogation of modelling, incorporating climate better understanding of neighbouring areas etc.
- Limited network for some pollutants (including PM2.5/O3/Black Carbon) with some out with LAQM
- Central portal for all data/more open source – common platform would allow wider use of the data including met data/ data base could include pollution info (APIS), raise awareness of other monitoring (regional/local), land use
- Better coordination and communication to a wider audience
- Ecosystem services approach to impacts – including Scotland specific research/ links to soils status/ecosystem health and air pollutants
- NH3 and sites associated with source, specific monitoring close to source
- Research requirements/funding to assess environmental impacts
- Further consideration to the AQ banding
- More consideration towards O3 as a rural issues, limited monitoring network
- Periodic monitoring for national/international event
- Future legislation changes are potentially key drivers EU – UK - Scotland
- Simple tools for public/schools
- Changes in source/location – energy generation/agricultural practices

Urban Environment

- Location of sites – consider relocation/co-location to maximise network capacity (cost?), 3-dimensional monitoring
- Who monitors what (responsibility), LAs, Government, Personal monitoring, research institutes.
- Emergency response monitoring – link to other networks
- Common platform for information to share and understand data – transport data/modelling/met data/AQ monitoring/spatial coverage/GIS/pollution forecasting
- Better understanding of background contribution across urban areas (PM)
- Communication – synergies with information/public awareness/information sharing/sell along with CC (better links), better links to HH effects
- Link LAQ to ecosystems (urban/rural greensapce), monitoring around effects?
- Considered invisible problem – make visible, improve links to wellbeing and health impacts
- Evaluation of local development plans (AQ assessments?)/ impact assessments/ street layouts/ development locations/ street canyon capacity?
- Policy driver – Consider need for greater PM2.5/ Black Carbon monitoring
- Change in energy source to local generation – biomass/energy from waste, new industrial sources CCS etc.

Public Awareness

- Clear communication on AQ and what we will do with the info – improve information given and AQ status
- Interesting and practical tools to show issues, sensors, locations indoor/outdoor (good examples include engine idling etc), information gathered
- Link to school education and Ecoschool programmes – improve awareness including health impacts more important, behaviour changing – data gathering etc.
- Data gathering should be simple, cost effective (D/T) or funded
- Influence other industrial sectors (including car, bus ops etc), mapping useful, data transport
- Easy to measure impact rather than AQ – good to measure topical stuff
- Data generated could be better used for trending etc – removes some validity issues
- Adding AQ to weather forecasting etc… (pollen/UV etc.)
- Information given to high-risk individuals through GP's NHS – Know and Respond' etc.
- Use of new technology to get the information across – Twitter etc…
- Policy – public awareness could help drive policy agenda but can take a lot of effort