

The Management & Communication of Air Quality Data in the Tyne & Wear Region



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Background to the Project

- Air quality is monitored nationally and locally.
- Large volume of data is collected.
- Interpretation and analysis of the collected data is limited.
- Time constraints can be a particular problem for local government.

Background to the Project

- Many local authorities employ consultants to analyse their data for reporting requirements
- Analysis will be carried out to meet the review and assessments required by Central Government
- Greater range of analysis could be carried out on the data sets.

Data Communication

- Local Authorities are also required to communicate information on air quality.
- Many have web-sites.
- Few have web-sites with real-time monitored information.
- Many have monitoring sites that could be used to supply real-time information.

Data Communication

- Resource needed to manage and maintain a web presence is often not available.

Tyne and Wear Authorities

- Five local authorities that work together:
 - Newcastle City Council
 - Gateshead MBC
 - Sunderland City Council
 - South Tyneside Council
 - North Tyneside Council

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Tyne & Wear Region



Project at the University

- University:
 - Manage the monitored data collected by the five authorities.
 - Ratify and rescale the data.
 - Host the web site.
 - Manage the data displayed on the web page.
 - Prepare all of the downloadable material.

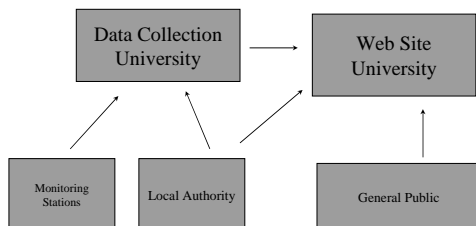
Advantages to the Local Authorities

- Does not rely on one LA.
- Web page is hosted outside the LA.
- Cost.
- Receive reports on all of the data collected in the region.
- Reports are used by each authority for their review and assessment of air quality.

Advantages to the University

- Funding for the project can be used to develop research.
- Availability of data for teaching.
- Collaboration between the University and the Local Authorities.

Data Management



Data Management

- Daily Checks
- Fortnightly calibration
- 3 monthly reports
- Annual report

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Web page

- <http://tyneandwearair.sunderland.ac.uk>