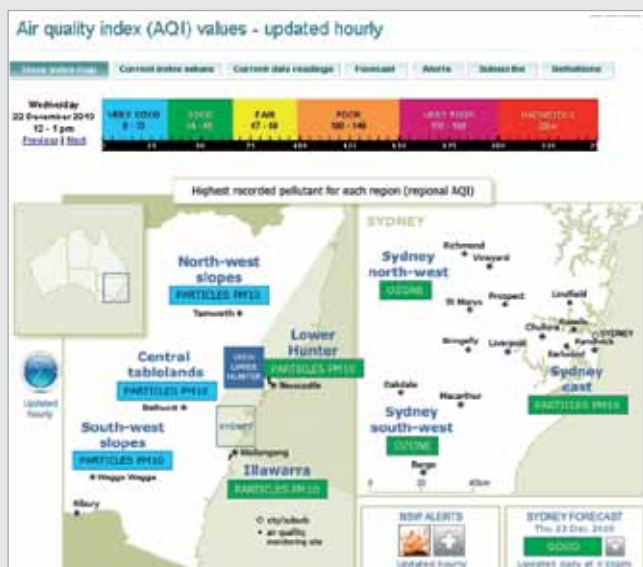# Web-based Air Quality Information for the Public and Professional World

MEASURING NETWORKS | AIR QUALITY | METEOROLOGY | DATA ARCHIVES

With the help of AquisNet WEB it is possible to make air quality measuring values and air quality indices available online in a web browser (e.g. Internet Explorer or Firefox). AquisNet WEB displays data in different formats such as graphs, tables and maps, and furthermore allows users to download data to a local computer.

AquisNet WEB is available in two distinct configurations: **AquisNet WEB Public** is targeted towards public use and presents short and concise information – for example an air quality index.

AquisNet WEB Pro is capable of processing more extensive tasks, e.g. in the intranet of the monitoring network operator. It allows access to larger amounts of data and offers more flexibility in its operation. Upgrading from AquisNet WEB Public to AquisNet WEB Pro is simple.

AquisNet WEB Public - Information for the general public

AquisNet WEB Public has a double function: making air quality data easy to understand using tabular and graphical displays, and making air quality data accessible to interested members of the general public via internet. In both cases, complete control over the data to be published remains with the data provider, who will from within the internal system releasee stations or individual graphs for public display.

The accessible information includes maps, lists, time series graphs and files for download. Functions include:

- Time series graphs with different time ranges (week, month, year)
- Time series graphs with alarm thresholds, limit values or warning thresholds
- Ready to use static background maps, on which the current measurements, air quality indices or station status are dis-

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played individually or grouped by means of coloured symbols

- Sensitive maps with a "tooltip" window which appears when the user moves the mouse over a station symbol, and a station page which can be opened by clicking
- Overview lists with current values and coloured classification (e.g. orange = „alarm threshold value 1 exceeded"; red = „alarm threshold value 2 exceeded")
- Overview lists with multiple columns in which additional parameters or long-term values may be displayed
- Data download for the time ranges week, month and year in different formats (e.g. xls)

The computer system of the data provider, typically the monitoring network operator, has to meet only basic system requirements in order to operate AquisNet WEB Public. AquisNet WEB may be

installed either on the AquisNet application server or on a dedicated PC connected to the internal network. The entire content of the web or intranet pages is produced internally and transferred onto an external web server.

AquisNet WEB Pro - Information for Experts

Expert users would like to have a comprehensive access to detailed data. Typical users groups are in-house staff from other departments, universities, engineering offices, or other organisations with which data exchange agreements have been signed. AquisNet WEB Pro enables the network operator to keep full control of data provided via the web to meet user expectations.

The system is characterised by the following properties:

- User specific login
- User type specific access rights for visible stations, parameters and time series
- User type specific access rights for function availability
- Direct access to the database – consistently providing a current data overview
- Input of filter criteria for fast retrieval of individual stations
- Interactive time series client – time ranges can be entered freely
- Administration interface for access rights assignment
- Administration interface to block user access

For direct controlled and secured access to the database, the system performance prerequisites may be higher. Depending on local IT guidelines several computers must be included, and the database may need to be replicated from the internal to the external network (through a firewall).

Progress and success in air quality monitoring:
With AquisNet WEB and the competence of pioneers.

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