

## Known Problems in AirBase v5

David Simoens, EEA, July 2011

a) Nitrogen oxides (air) (NO<sub>x</sub>) values have been calculated centrally, when reported values of both Nitrogen monoxide (air) (NO) and Nitrogen dioxide (air) (NO<sub>2</sub>) are available and NO<sub>x</sub> has not been reported. More detail about the NO<sub>x</sub> calculation is available within the document [airbase\\_v5\\_products.pdf](#)

With regard to this calculation, which is new in AirBase v5, the following issue have been identified:

- about 15 000 statistical values (0.6% of available statistics) are not consistent with the published raw data files.

b) A total of 10 stations are wrongly located. The list of stations is a followed:

<u>station_european_code</u>	<u>station_longitude_deg</u>	<u>station_latitude_deg</u>
AL0004A	19.08139	41.11083
HR0004A	14.451122	46.327778
IT1891A	0	0
IT1965A	45.303611	9.301667
IT1967A	46.168611	9.880278
IT1966A	45.251111	9.622222
IT1955A	18.305	40.677778
SK0264A	48.69111	21.28639
SK0265A	48.91556	20.42389
SK0266A	48.99333	21.2675

c) Lead (Pb) measurement values:

DE and GB reported measurement values for lead in nanogrammes per cubic metre (ng/m<sup>3</sup>) instead of microgrammes per cubic metre (µg/m<sup>3</sup>). The values were later corrected and will become available in the next version of AirBase.

d) Station metadata:

Reported corrections to station classifications (type of station, type of area) for some stations in AL, CZ, ES, FR, GB, IE, IT, LU and PT have not been included in AirBase v5. Reported corrections to altitudes for a few stations in NL and PT have not been included in AirBase v5.