ESA – 774 AMBIENT AIR QUALITY

Summary of Quality Assessment Results

Overall ESA Assessment	Institutional Environment	Relevance	Timeliness	Accuracy	Coherence	Interpretability	Accessibility
Red	Amber	Green	Red	Red	Amber	Red	Green

List of Contributing Datasets and Custodians

- National Air Quality Database (BoM)

ESA Elements

Pillar	Dimension	Description	Critical Frequency	Critical Spatial	Critical Disaggregation
Environment	Atmosphere	Includes information on the quality of air in key locations in urban environments.	Annually	Air Sheds	Pollutant Type

Overall ESA Assessment

The quality of ESA – 774 Ambient Air Quality was assessed as a red traffic light for the purpose of ESA. There were significant gaps in the quality of the statistic for the quality indicators selected and there was a need identified for significant investment to improve the quality. The data custodian can be contacted for further information about the quality of the dataset which contributed to the statistic.

For more detailed quality information about each dimension, see over page

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Institutional Environment

The statistic scored an amber traffic light for institutional environment. There were sufficient quality and risk management processes in place and archiving processes. There was not always training for staff on data collation and the statistical purpose of the administrative records. Methods for acknowledging and correcting errors in publically released data were not in place.

Relevance

The statistic scored a green traffic light for relevance. All key information identified in the description of the statistic was available. The critical spatial levels and critical disaggregations identified for the statistic were available.

Timeliness

The statistic scored a red traffic light for timeliness. Although the critical frequency for the statistic was met, the duration between collection and release of data was not timely and users were not able to access the release of new data when expected.

Accuracy

The statistic scored a red traffic light for accuracy. Not all of the target population was represented for the statistic, such as spatial coverage of air outside cities. Known under or overcounts were not managed and there was no adjustment for missing values. The accuracy varied for some information collected within the dataset.

Coherence

The statistic scored an amber traffic light for coherence. Most information for the statistic was able to be compared over time as there were no changes to collection procedures and population and characteristic definitions remained mostly consistent. External sources were available for data confrontation. There was variation between data compiled from multiple sources.

Interpretability

The statistic scored a red traffic light for interpretability. Although there was information available for users to better understand the data, no data quality statements were produced. Descriptions of the conceptual limitations were not available for all information and users were not able to access additional support if needed.

Accessibility

The statistic scored a green traffic light for accessibility. The key information was publicly available on request and users could access data in a machine readable format and Excel. The key information and all other data was accessible for free. Data visualisations, such as graphs and maps, were not available.

Areas for Improvement

- The duration between collection and release of data was not timely.
- Users were not able to access the release of new data when expected.
- There were known under and overcounts which were not managed.
- There were no data quality statements available.
- Users were not able to access additional support if needed.