
ST8: Protocol for measurements of aerosol optical properties profiles with high power aerosol lidar

The linked resources for ST include:

- 1) Deliverable 6 (D1.6) Observational methodologies for horizontal and vertical profiling for Air Quality (AQ) purposes: https://riurbans.eu/wp-content/uploads/2022/10/RI-URBANS_D6_D1_6.pdf, summarizes the 3D-mapping capacities and requirements for the instruments. **Particularly section 2.2.**
- 2) Requirements for the implementation of lidar measurements for aerosol optical properties measurements are described in M7 (M1.8) Requirements for the implementation of vertical profiling measurements in pilot sites https://riurbans.eu/wp-content/uploads/2023/03/RI-URBANS_M7.pdf
- 3) The guidelines and standard operating procedures for aerosol lidars are provided by ACTRIS Center for aerosol remote sensing: <https://www.actris.eu/topical-centre/cars>

Data compliant with ACTRIS Aerosol remote Sensing data format can be hosted at ARES DC unit through a specific request to Homeless data portal: <https://www.atmo-access.eu/virtual-access/#/>. Alternatively, a request for centralized and standardized processing can offer the retrieval from raw data (accordingly to standardized format) up to optical products: <https://www.atmo-access.eu/observational-platforms/> request to CIAO access.