

AIR QUALITY TRAINING PROGRAM
REGIONAL AIR QUALITY ACTION PLAN FOR LATIN AMERICA AND THE CARIBBEAN 2022 – 2030

Technical Seminar 3 - Assurance and Quality Control in Air Quality Monitoring

Date: Thursday, June 2nd, 2022
Time: 9:00 am – 11:30 am Panama (GMT-5)

Registration for the virtual event:

<https://bit.ly/3yZdGDJ>

Air quality monitoring and data generation are key tools for air quality management. Reasons for monitoring include: assess the extent of pollution; provide air pollution data to the general public in a timely manner; support implementation of air quality standards; evaluate the effectiveness of emissions control strategies; provide information on air quality trends; provide data for the evaluation of air quality models; and support research.

However, the generation of air quality data must be accompanied by a set of processes and requirements that guarantee the reliability of the information, allowing the data users and providers to be certified on the quality and uncertainties regarding the reported values.

If air quality information reported in a region meets quality requirements and has clearly defined certain characteristics, such as: accuracy, precision, integrity, representativeness, and compatibility; it will strengthen and allow the comprehensive management of air quality in a transparent and reliable way.

In this sense, this technical seminar addresses the issue of atmospheric data management which, within the framework of the Regional Air Quality Action Plan for Latin America and the Caribbean 2022 - 2030, allows progress in strengthening capacities to air quality management in the region. In addition, it will provide tools to contribute to the identification of actions to reduce air pollution in order to protect health and the environment, and to contribute to the mitigation of climate change advancing in the achievement of objectives related to the 2030 Agenda for Sustainable Development.

The guidelines and actions that are framed in the Regional Action Plan are also aligned with the purposes and objectives that the Pan American Health Organization, the Climate and Clean Air Coalition to Reduce Short-Lived Pollutants and the United Nations Environment Program pursue through the BreatheLife campaign to seek solutions to air pollution in support of global development goals.

Objective

Strengthen the capacities of local governments in Latin America and the Caribbean to enhance air quality monitoring and evaluation systems and provide reliable and transparent information to the population.

Agenda

Moderation: Clean Air Institute

Opening

- **Jordi Pon.** Regional Coordinator. Chemicals, Waste and Air Quality Programme. United Nations Environment Programme
- **Juan J Castillo.** Advisor in Air Quality and Health. Climate Change and Environmental Determinants of Health Unit. Pan American Health Organization

Seminar Content

- ✓ Atmosphere and air quality.
 - ✓ Air quality monitoring and its role in air quality management.
 - ✓ Importance of data quality.
 - ✓ Generalities of networks and monitoring stations.
 - ✓ Design of a program for monitoring air quality.
 - ✓ Design of a plan for quality assurance.
 - ✓ Implementation of a quality plan.
 - ✓ The importance of data validation.
 - ✓ Dissemination of air quality data.
- **Armando Retama.** Air Quality Specialist Advisor. Consultant, Clean Air Institute.

Closing Remarks

- **Luisa González.** Regional Air Quality Expert. United Nations Environment Programme