



Latin American Aerosol Measurements School: From measurements technologies to applications

June 22-27, 2015
La Paz, Bolivia

1. Motivation

Monitoring atmospheric composition has always been an important task within atmospheric sciences. This has become even more important in recent years due to observed changes in gas and aerosols concentrations. The rapid advances in technology and the increased scientific interest in measuring atmospheric composition have created the need to train scientists in measurement techniques. As discussed in the last meeting of the Americas Working Group of the International Global Atmospheric Chemistry Project (IGAC-AWG for short) August 2014, measurement technique training is particularly important in the Latin America and Caribbean (LAC) region. It was decided at the IGAC-AWG meeting there was a need to promote specialized training in atmospheric measurements, especially focused on aerosols with an emphasis on black carbon.

2. Objective

The main goal of this course is to improve the knowledge and skills in issues related to atmospheric measurements focusing on aerosols and black carbon for LAC scientists and graduate students who are close to finishing their MS or PhDs.

3. Course description

The course will be taught in English. Attendees should be able to communicate in this language.

a) The following list describes topics that will be covered during the course:

- Fundamentals of atmospheric aerosols, air quality and climate
- Aerosol physical and chemical properties
- Characterization of optical properties
- Black Carbon: from measurements to impacts
- Instrument Demonstrations

A final and detailed schedule will be published soon.



b) Parallel session

Taking advantage of having so many recognized atmospheric scientists for the course we intend to organize two additional events:

- A one and a half day session for and by stakeholders and policy makers. An afternoon will be shared with the attendees of the course. We hope to provide an interesting interaction between scientists and stakeholders/policy makers.
- An open forum to discuss, with invited decision-makers, media and scientists from related fields, about the challenges related to air quality and climate change both at the LAC region and at global scale.

4. Who should attend?

PhD or MS students close to finishing their degrees, postdocs and/or young scientists working in areas related to aerosol monitoring (with particular interest on BC and OC issues) and/or studying atmospheric composition in the LAC region. A basic knowledge on aerosol monitoring is required.

Participants should be living, working, or returning to the LAC region in the near future.

Maximum attendance limit: 30 attendees

5. Lecturers

Lecturers are recognized atmospheric scientists. Most of them are related to the consortium that runs the Chacaltaya/GAW station in Bolivia. In addition, scientists from the IGAC-AWG community and scientists related to companies building atmospheric instrumentation will be lecturers at the course as well. A detailed list of lecturers will be published soon.

7. Date and Place

June 22-27, 2015. Universidad Mayor de San Andrés, La Paz, Bolivia.



8. Application Procedure and Registration

In order to attend to this course, applicants should:

- *Submit a recommendation letter.* This document should be directly submitted by the person writing the letter to bccourselp@chacaltaya.edu.bo with the name of the applicant in the subject line. The letter can be written in Spanish or English.
- *Submit a short essay* about the reasons for wanting to attend this course, indicating clearly their experience in aerosol monitoring. This document should be in English.
- *Submit an abstract*, in English, of a poster to be presented by the applicant during the course. Three hundred words maximum.

All documents must be submitted to bccourselp@chacaltaya.edu.bo by April 30th, 2015. A committee will select applicants based on completed applications. Successful applicants will be notified by May 6st.

Successful applicants should:

- *Pay a registration fee:* Regular fee for the course is \$us 300. This fee covers lunch and snacks for the five days of the course and a visit to the Chacaltaya GAW station (5240 m asl). There is an early bird fee of \$us 250 for those registering to the course by May 15th. Deadline for registration is May 30th.

9. Financial Aid

There are limited funds available for financial support for attendees. Please state in your applications letter what type of support is required (airline ticket, lodging, registration or other expenses). Due to the limited amount of support available, please request only what is absolutely needed to attend the course. Applicants will be informed of any financial support by May 1st.

10. Calendar

Application deadline	April 30 th (extended)
Notification of acceptance	May 6 th (new date)
Notification of financial support decision	May 6 st (new date)
Early bid payment	May 15 th
Deadline for registration	May 30 th
LACMO Lectures	June 22 to 26 th
Visit to the Chacaltaya GAW station	June 27 th