



School of Atmospheric Measurements in Latin America and the Caribbean: Atmospheric Particles and Reactive Gases (SAMLAC)

Program

November 12 – 17, 2018

San Juan, Puerto Rico



Monday, November 12, 2018

8:00 am – 9:00 am – Registration (Vistamar Penthouse Room)

9:00 am – 10:15 am – Introductory Remarks – Moderators: Olga L. Mayol-Bracero and Juan Carlos Antuña

Welcome and Opening Remarks – Olga L. Mayol-Bracero
UPR-RP Department of Environmental Science – Elizabeth Dvorsky
International Global Atmospheric Chemistry (IGAC) – Michel Grutter
IGAC Americas Working Group – Marcos Andrade
The Caribbean Aerosol Health Network (CAHN) – Olga L. Mayol-Bracero
WMO SAG Aerosols and SAG Reactive Gases – Paolo Laj and Detlev Helmig
Logistics – Olga L. Mayol-Bracero

10:15 am – 10:30 am – Coffee Break

10:30 am – 11:00 am

Motivation of the training school, objectives, and structure of the meeting – Olga L. Mayol-Bracero
Overview of Aerosols and Reactive Gases Activities in Latin America and the Caribbean – Nestor Rojas

11:00 am – 12:00 pm – Plenary – Quantifying the Health Effects of Air Pollution Globally – Jason West

12:00 pm – 1:00 pm – Lunch (Breakfast area at the lobby)

COURSE #1: Reactive Gases (Vistamar Penthouse Room)

1:00 pm – 2:00 pm – Introduction to Tropospheric Reactive Gases – Michel Grutter

2:00 pm – 3:30 pm – Measurements of Reactive Gases (O₃, CO, NO_x, VOCs) – Detlev Helmig

3:30 pm – 4:00 pm – Coffee Break

4:00 pm – 4:30 pm – Quality Control of Trace Gases Observations - Martin Steinbacher (remote connection)

4:30 pm – 5:30 pm – Reactive Gases Studies and Opportunities in the LAC Region– Moderator: Michel Grutter

WMO Reactive Gases Programs and what they have in LAC – Rainer Steinbrecher (remote connection)
NASA's PANDORA – Bob Swap
The GeoCarb satellite mission – Sean Crowell (remote connection)

6:00 pm – 8:30 pm – IGAC AWG Working-Dinner (per invitation)

Tuesday, November 13, 2018

COURSE #2: Atmospheric particles in the troposphere (Part I) (Vistamar Penthouse Room)

8:00 am – 9:00 am – Introduction to Tropospheric Aerosols – Graciela Raga

9:00 am – 10:30 am – General Definitions & Particle Diameter – Ali Wiedensohler

10:30 am – 11:00 am – Coffee Break

11:00 am – 12:30 pm – Mechanical Properties & Filter – Ali Wiedensohler & Jean-Philippe Putaud

12:30 pm – 1:30 pm – Lunch (Vistamar Penthouse Room)

1:30 pm – 3:30 pm – Artifact-free Sampling & Online Mass Monitors – Jean-Philippe Putaud

3:30 pm – 3:45 pm – Coffee Break

3:45 pm – 4:30 pm – General Sampling Considerations – Alfred Wiedensohler

4:30 pm – 6:00 pm – Aerosol Studies and Opportunities in the LAC Region (10-min max each) – Moderator:
Juan Carlos Antuña

WMO Aerosol Programs and what they have in LAC – Paolo Laj

AERONET in Latin America and the Caribbean – David Giles

MPLNET measurements in the LAC region – Elsworth (Judd) Welton

The Caribbean Aerosol Health Network – Joe Prospero (remote connection)

SDS-WAS Pan-American Node – Andrea Sealy

Improving Health through Early Warning of Air Quality Events – Pablo Mendez-Lázaro

LALINET – Eduardo Landulfo (remote connection)

Research uses of broadband aerosol optical depth – Juan Carlos Antuña

6:00 pm – 8:00 pm – Poster Session

Wednesday, November 14, 2018

8:00 am – 9:30 am – Observing the changing atmosphere from the ground: requirements for global networks for short-lived atmospheric species – Paolo Laj

9:30 am – 9:45 am – Coffee Break

9:45 am – 11:15 am – Data Submission Procedures WMO NILU EBAS – Ann Marie Fjæraa (remote connection)

11:15 am – 12:30 pm – Data Analysis Training – Marco Pandolfi

12:30 pm – 1:30 pm – Lunch (Breakfast area at the lobby)

1:30 pm – 3:30 pm – Data Analysis Training – Marco Pandolfi

3:30 pm – 4:00 pm – Coffee Break

4:00 pm – 5:30 pm – Collaborative Proposals RG and Aerosols – Nestor Rojas

Thursday, November 15, 2018

8:30 am – 10:00 am – Breakout Session #1
(first everybody meets at Vistamar Penthouse Room)

Group #1: Students (Vistamar Penthouse Room)

Group #2: Researchers and others (Suite TBA)

10:00 am – 10:30 am – Coffee Break

10:30 am – 12:30 pm – Breakout session #2 (Groups #1 and #2 in Vistamar Penthouse Room)

12:30 pm – 1:30 pm – Lunch (Breakfast area at the lobby)

Course #2 Atmospheric Particles in the Troposphere (Part II) (Vistamar Penthouse Room)

1:30 pm – 3:30 pm – Particle Counter & Particle Size Spectrometer – Ali Wiedensohler

3:30 pm – 3:45 pm – Coffee Break

3:45 pm – 6:00 pm – Aerosol Mass Closure – Jean-Philippe Putaud

Parallel to the 2nd part of the Aerosol Course, we will have the CAHN Meeting for the CAHN team

1:30 pm – 6:00 pm – Caribbean Aerosols Health Network (CAHN) Business Meeting (Lobby Meeting Room)

6:30 pm – 8:30 pm – WMO SDS WAS Pan-American Node Working-Dinner

Friday, November 16, 2018

9:00 am – 3:00 pm – Field Trip to Cape San Juan Atmospheric Observatory (CSJAO) and Installation of NASA's PANDORA Instrument at CSJAO

- Departure time from Hotel Lobby 9:00 am

6:30 – 9:00 pm – Dinner and Music (Swimming Pool area)