

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

Motivation, Goals and Structure

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GAW

The IGAC's Americas Working Group

(Focus on LAC)



AWG's Aim:

to build a cohesive network and foster the next generation of atmospheric scientists with the ultimate goal of contributing to development of a scientific community focused on building collective knowledge in/for the Americas.

AWG's Objectives:

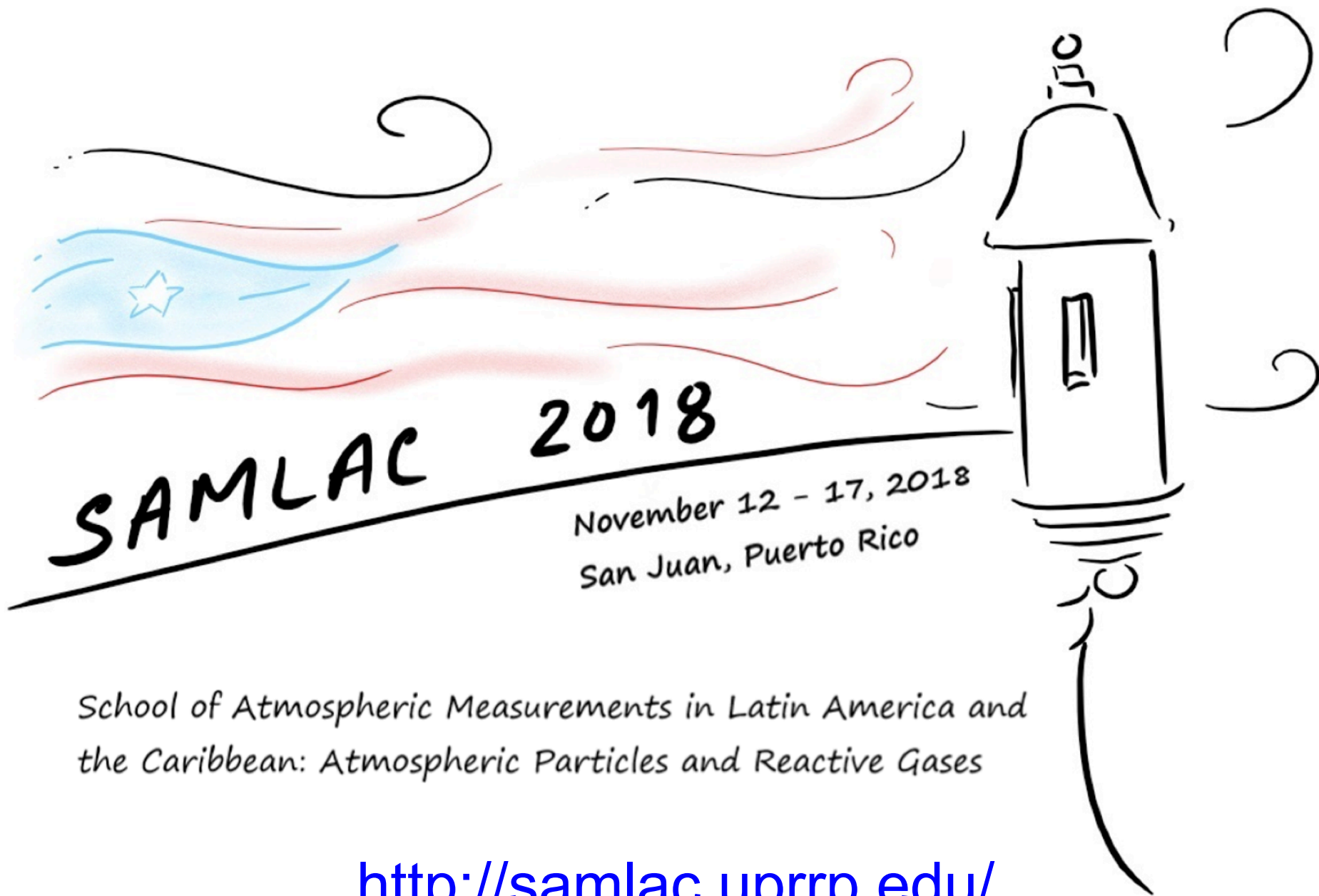
- Improve the collaboration and communication between scientists in LAC.
- Connect the LAC community to the international community.
- Train and foster the next generation of scientists.
- Influence and promote a more proportionate distribution of funds for research.
- Enhance visibility and credibility of scientists in LAC.

Previous Training Schools

IGAC AWG Training Schools

- 1st training school – South America (From Measurements Technologies to Applications, Aerosols – Black Carbon) – June 22-27, 2015 (La Paz, Bolivia, IGACnews Training School Summary, Andrade-Flores, M. IGACnews, 55, 2015).
- 2nd training school – Central America (Remote Sensing Techniques Applied to Atmospheric Chemistry) – Dec 7-11, 2016 (Mexico, IGACnews Training School Summary, Grutter et al., Eos, 2016).
- We proposed the third training school to take place in the **Caribbean (Puerto Rico)**.





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<http://samlac.uprrp.edu/>

SAMLAC Organizing Committee

- Olga L. Mayol-Bracero (UPR-RP) – co-chair IGAC AWG and CAHN
- Marcos Andrade (UMSA, Bolivia) – co-chair IGAC AWG
- Juan Carlos Antuña (GOAC, Cuba)
- Néstor Rojas (UNAL, Colombia)
- Michel Grutter (UNAM, Mexico)
- Megan Melamed (IGAC)
- Paolo Laj (WMO GAW)
- Ali Wiedensholer (WMO GAW)
- Martin Schulz (WMO GAW, Juelich Forschungszentrum)
- Joe Prospero (RSMAS, Univ of Miami, USA), co-chair CAHN
- Rosa Saez (UPR-RP)
- Briknie Baez (UPR-RP)
- José Méndez (UPR-RP)

SAMLAC Goals

- Improve regional capacity and stimulate **the development of aerosol and reactive gases monitoring programs (regional and national) that can contribute with their data to regional and international projects and networks.**
- Foster the building of a community of atmospheric scientists in the LAC region in order to provide expertise on topics related to atmospheric composition and its relation to anthropogenic emissions and natural variability to government agencies and international research.
- Educate early career scientists from the LAC region on global and regional aspects of atmospheric composition change and atmospheric composition monitoring.
- Promote best practices of open data sharing and open access publication within the LAC region.

SAMLAC Participants

- Must be from the Latin America and Caribbean (LAC) region and/or have interest in a career in the LAC region.
- Research must be related to the LAC region.
- Researchers, university professors, personnel and technicians in environmental (air quality) government agencies, postdoc, and graduate and advanced undergraduate ($\geq 4^{\text{th}}$ year + doing research) students are welcome to apply.

Application Requirements

- Abstract on research/interest on the LAC region relevant to SAMLAC topics, e.g., atmospheric particles and reactive gases.
- CV
- Letter of Intent
- Letter of recommendation

Sessions

1. Reactive gases and their role in air quality and climate change – Introduction, Measurements, Studies and Opportunities in LAC
2. Atmospheric aerosols in the troposphere and their role in air quality & climate change - Introduction, Measurements, Studies and Opportunities in LAC
3. Data Activities
4. WMO Training on: measurement techniques, long-term observations and international coordination, quality assurance of measurements, access and contribution to information-databases, atmospheric services, research infrastructure
5. Collaborative proposals (Néstor)
6. Poster Session (Marcos)

Program (<http://samlac.uprrp.edu/program/>)

- Day 1 (Monday, November 12):
 - Introductory Remarks (9:00 – 11:00 am)
 - Plenary (11:00 - 12:00)
 - Reactive Gases (1:00 – 5:30 pm)
- Day 2 (Tuesday, November 13):
 - Atmospheric Particles (8:00 am – 6:00 pm)
 - Poster Session (6:00 – 8:00 pm) – Social hour
- Day 3 (Wednesday, November 14):
 - Requirements for global networks for short-lived atmospheric species (8:00-9:30 am)
 - Data submission procedures (11:15 am – 3:30 pm)
 - Collaborative proposals (4:00 – 5:30 pm)
- Day 4 (Thursday, November 15):
 - 8:30 am – 12:30 (Breakout sessions and discussion about collaborative proposals)
 - 1:30 – 6:00 pm - Atmospheric Particles (part 2)
 - 1:30 – 6:00 pm - CAHN Business Meeting
- Day 5 (Friday, November 16): Field trip (9:00am – 3:00 pm) and dinner (6:30 – 9:00 pm)

Side Meetings

- **IGAC AWG Working-Dinner** (per invitation) – **Monday**, 6:00 pm – 8:30 pm
- **Caribbean Aerosols Health Network (CAHN) Business Meeting** (Lobby Meeting Room) – **Thursday**, 1:30 pm – 6:00 pm
- **WMO SDS WAS Pan-American Node Working-Dinner** (per invitation) – **Thursday** 6:30 pm – 8:30 pm

Plenary Speaker and Lecturers

- Plenary Speaker: Jason West (U. of North Carolina – Chapel Hill)
- Lecturers:
 - Michel Grutter (UNAM, México)
 - Detlev Helmig (U. of Colorado, Boulder)
 - Martin Steinbacher (EMPA, Switzerland)
 - Graciela Raga (UNAM, Mexico and CCAC)
 - Ali Wiedensohler (TROPOS, Germany)
 - Jean-Philippe Putaud (Joint Research Center, Italy)
 - Paolo Laj (Université-Grenoble-Alpes, France)
 - Ann Marie Fjæraa (Norwegian Institute for Air Research, Norway)
 - Marco Pandolfi (Institute of Environmental Assessment and Water Research, Spain)

Short Talks

- Reactive Gases Studies and Opportunities in the LAC region
- Aerosol Studies and Opportunities in the LAC region

