



## **AGORA International Doctoral Summer School: training school on atmospheric characterization using in-situ and remote sensing techniques (3rd edition)**

**Dates:** 1st – 19th June 2026

**Format:** Hybrid

**Venue:** Andalusian Inter-University Institute for Earth System Research (IISTA-CEAMA), Granada, Spain

After the success of the first and second editions of the AGORA aerosol training school: characterization of atmospheric aerosol using in-situ and remote sensing techniques, organized in the framework of the ATMO-ACCESS project, we are pleased to announce the third edition of this school. The AGORA training school aims to add a training dimension to research infrastructures using both physical and remote access. This edition is co-organized by the Doctoral School of Sciences, Technologies and Engineering of the University of Granada, the MSCA-SE project AERIS and the Cost Action EARLICOST.

### **Target group:**

The training school is intended mainly for researchers and technicians from the atmospheric field. Trainees must have previous knowledge of atmospheric sciences, at least in one of the measurement techniques. They could be advanced master students, doctoral students, early-career scientists, or technicians. Good communication skills in English are required.

**Please, note that the number of participants is limited to 24.**

### **Course contents and learning outcomes:**

The lectures provide fundamental knowledge in novel, advanced techniques for measuring atmospheric properties, covering in situ, remote sensing, and laboratory-based instruments. This hybrid training school will be held face-to-face at the Andalusian Global Observatory of the Atmosphere (AGORA) in Granada (Spain), including a visit to the Sierra Nevada station and hands-on training for some novel instruments. It is combined with remote activities the week before (2 days) and after (<http://atmosphere.ugr.es/>). Interactive face-to-face lectures are planned from Monday 1st to Friday 12th June (09:30 – 17:30 CET) and the visit to the Sierra Nevada station on Saturday 13th June. All participants will obtain a certificate for their participation

## School fee, accommodation & meals:

The training school fee is €550 per participant.

This includes coffee breaks and lunch at the school venue (Monday to Friday), as well as accommodation in double rooms with breakfast at the **UGR guesthouse** (check-in: Sunday, June 7; check-out: Sunday, June 14, 2026).

Up to 5 places are reserved for students from universities belonging to the Arqus Alliance, who will be exempt from registration.

The fee must be paid in advance via bank transfer by **30th April 2026** at the latest. Payment details will be provided after acceptance letters are issued.

## Lecturers:

Invited lecturers are top-level experts from the ACTRIS facilities for aerosol in-situ and remote sensing measurements. Confirmed Lecturers:

NAME	INSTITUTION
Dr. Lucas Alados-Arboledas	University of Granada (Spain)
Dr. Andrés Alastuey	IDAEA-CSIC (Spain)
Dr. Elisabeth Andrews	NOAA (United States)
Dr. Daniele Bortoli	University of Évora (Portugal)
Dr. Martine Collaud-Coen	MeteoSwiss (Switzerland)
Dr. Alexander Geiß	University of Munich (Germany)
Dr. Martin Gysel-Beer	Paul Scherrer Institute (Switzerland)
Dr. Stelios Kazadzis	World Radiation Center (Switzerland)

NAME	INSTITUTION
Dr. Griša Močnik	University of Nova Gorica (Slovenia)
Dr. Detlef Müller	University of Hertfordshire (United Kingdom)
Dr. Francisco Navas-Guzmán	University of Granada (Spain)
Dr. Doina Nicolae	INOE (Romania)
Dr. Ingrida Šaulienė	Vilnius University (Lithuania)
Dr. Boyan Tatarov	University of Hertfordshire (United Kingdom)
Dr. Antonio Valenzuela	University of Granada (Spain)

Hands-on and scientific projects are going to be given by top-level researchers from the ACTRIS facilities for aerosol in-situ and remote sensing measurements. Confirmed researchers:

NAME	INSTITUTION
MSc. Jesús Abril-Gago	University of Granada (Spain)
Dr. Lucas Alados-Arboledas	University of Granada (Spain)
Dr. Juan Antonio Bravo-Aranda	University of Granada (Spain)
Dr. Sonia Castillo	University of Granada (Spain)
Dr. Paloma Cariñanos	University of Granada (Spain)
Dr. Juan Andrés Casquero-Vera	University of Granada (Spain)

NAME	INSTITUTION
Dr. Ana del Águila	University of Granada (Spain)
MSc. Sol Fernández-Carvelo	University of Granada (Spain)
Dr. Juan Luis Guerrero-Rascado	University of Granada (Spain)
Dr. Francisco Navas-Guzmán	University of Granada (Spain)
MSc. Gema Sánchez-Jiménez	University of Granada (Spain)
Dr. Boyan Tatarov	University of Hertfordshire (United Kingdom)
Dr. Carlos Toledano	University of Valladolid (Spain)
Dr. Gloria Titos	University of Granada (Spain)
Dr. Antonio Valenzuela	University of Granada (Spain)

## Training school organizers:

The training school is organized by the ACTRIS Observational Facility AGORA-UGR. In case of any questions about the training school, please, contact Lucas Alados-Arboledas and Juan Luis Guerrero-Rascado (@email), Andalusian Institute for Earth System Research. University of Granada.

## Program:

The training school is scheduled as follows:

- Remote (introduction): 1st-2nd June 2026
- Physical (lectures): 8th-12th June 2026
- Physical (visit to Sierra Nevada station): 13th June 2026

- Remote (research projects): 15th-19th June 2026

HYBRID						
REMOTE		PHYSICAL		REMOTE		
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MATH 1 (Lecture)						
DATE	Monday 15th June	Tuesday 16th June	Wednesday 17th June	Thursday 18th June	Friday 19th June	Saturday 20th June
08:00-09:00	Lecture					
09:00-10:00	Hand-on					
10:00-11:00	Hand-on					
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## Tuesday hands-on:

- Lidar quality assurance: check-up tools, by Dr. Juan Antonio Bravo-Aranda and MSc. Jesús Abril-Gago
- Integrating nephelometer and in situ absorption, by Dr. Gloria Titos and Dr. Juan Andrés Casquero-Vera
- Air quality mobile station, by Dr. Sonia Castillo and Dr. Ana del Águila
- Coming soon

## Thursday hands-on:

- Spectroscopic lidar, by Dr. Boyan Tatarov and MSc. Sol Fernández-Carvelo
- Spectroscopy laboratory, by Dr. Antonio Valenzuela Gutiérrez and MSc. Gema Sánchez-Jiménez
- Bioaerosols sensors, by Dr. Paloma Cariñanos
- Sun-photometry, by Dr. Carlos Toledano

## How to apply:

Please fill the form at:

### AGORA Training School Application Form

The application deadline is **28th February 2026 (23:59 CET)**. Applicants will be notified latest by **13th March 2026**.

A limited number of grants for travel and accommodation will be offered upon request. Criteria and scale can be checked [here](#).

## Venue:

Andalusian Inter-University Institute for Earth System Research (IISTA-CEAMA)  
. Avenida del Mediterráneo, s/n, 18006, Granada, Spain

In the following link we provide you with important information for your arrival and stay in Granada [Visitors Guideline](#).

## Organized by



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