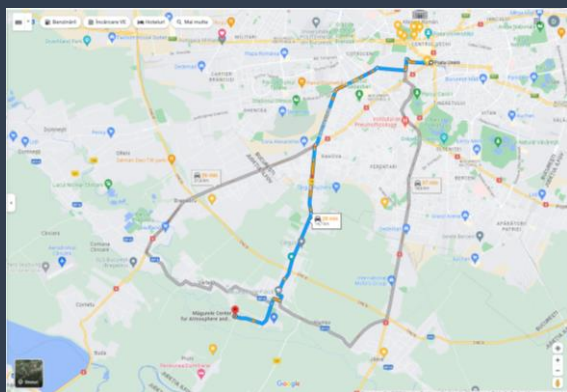


Announcement

ACTRIS Centre for Aerosol Remote Sensing (CARS) and PROBE CA18235 invite scientists working in the field of aerosol high-power lidars to a training school entitled the " **Hands-on training on aerosol lidar measurement quality assurance procedures and tools**". The event is organized at Magurele centre for Atmosphere and Radiation Studies (MARS), 2 Atmosferei Str., Magurele, Ilfov, Romania, **27-29 of June 2023**.



Location of MARS: 30-45 min. drive from Bucharest city centre



Aerial view of MARS: 20,00 sqm of indoor and outdoor laboratories

Scope

The three-days hands-on training session focuses on quality assurance procedures for aerosol lidar measurements, using specific hardware tests and the **ATLAS tool (Automated Lidar Analysis Software)**. ATLAS was recently developed by the ACTRIS Centre for Aerosol Remote Sensing and it will be implemented at the ACTRIS aerosol remote sensing National Facilities as the standard software for in-house lidar calibration.

Theoretical sessions are combined with hands-on group work in order to train the operators in: a) performing the standard quality assurance tests; b) installing and using the ATLAS tool; c) understanding and analysing the results of the quality assurance tests. The correct implementation of these procedures and tools enables better controlling the quality of the raw lidar data and allows calculating the instrumental parameters which are further used in the processing chain.

Format

The event will be organized in hybrid format, however only theoretical sessions may be followed online.

Registration

Please register at <http://carport.inoe.ro/forms/index.php/881827?lang=en> by 2nd of May 2023. The workshop is free of charge.

Travel grants

Up to 10 scientists will be awarded a travel grant (following Cost Action rules) through a commission. If you need travel support, please submit your CV and one-page motivation letter [through the registration form](#).

More opportunities

Partial travel support can be also granted through the TNA call in ATMO-ACCESS project. Please submit your TNA application for hybrid access to RADO-Bucharest facility at: <https://passactris.smapply.io/prog/atmo-access-4th-call-for-trans-national-remote-access/>

Many thanks to our supporters!



On behalf of ACTRIS CARS and Cost Action CA18235 PROBE,

Yours,

Doina Nicolae

nnicol@inoe.ro

Tentative programme

| Date | Time | Subject | Trainer | Access mode |
|--------------------|---------------|--|--|-------------|
| 27 June 2023 | 10:30 – 11:00 | Welcome to MARS | Doina Nicolae | Hybrid |
| | 11:00 – 12:00 | Handbook of instruments: specific parameters used in data processing | Ina Mattis | Hybrid |
| | 12:00 – 13:00 | Lunch | | |
| | 13:00 – 14:30 | Lidar QA tests: instrument check-up and corrections factors | Volker Freudenthaler | Hybrid |
| | 14:30 – 15:00 | Introduction to ATLAS software | Nikos Siomos | Hybrid |
| | 15:00 – 15:30 | Coffee break | | |
| | 15:30 – 16:30 | Installation of ATLAS software (group work) | Nikos Siomos Victor Nicolae | Physical |
| | 16:30 – 18:00 | Visit of the lidar laboratories: Q&A on instruments and QA tests | Livio Belegante Volker Freudenthaler Aldo Amodeo | Physical |
| | 18:00 – 21:00 | Working dinner | | |
| | 21:00 – 23:00 | Hands-on QA tests | Livio Belegante Volker Freudenthaler Aldo Amodeo | Physical |
| 28 June 2023 | 10:30 – 12:00 | Hands-on with ATLAS software (group work) | Nikos Siomos Victor Nicolae Ina Mattis | Physical |
| | 12:30 – 13:30 | Lunch | | |
| | 13:30 – 15:00 | Hands-on with ATLAS software (group work) | Nikos Siomos Victor Nicolae Ina Mattis? | Physical |
| | 15:30 – 16:00 | Coffee break | | |
| | 16:00 – 17:30 | Hands-on with ATLAS software (group work) | Nikos Siomos Victor Nicolae | Physical |
| 29 June 2023 | 09:30 – 11:30 | Presentation of ATLAS results (group work) | Volker Freudenthaler Nikos Siomos Aldo Amodeo Livio Belegante | Hybrid |
| | 11:30 – 12:00 | Conclusions and follow-ups | Doina Nicolae | Hybrid |
| | 12:00 – 12:30 | Farewell coffee | | |

Travel arrangements

The training starts on Tuesday morning, so you can travel on Monday. For your convenience, the training ends at lunch time on Thursday, so that you can travel back in the afternoon or latest Friday morning, depending on your destination.

The easiest way to come to Bucharest is by air. Bucharest has an international airport that is well connected to many European airports. Once in the airport, please read the instructions about how to book a taxi or take the bus to the city centre. **Do not jump in a taxi parked outside the airport.**

The training is organized at MARS, located SW Bucharest, outside the city. We do not recommend the hotel in Magurele. **We recommend to choose a hotel in Bucharest, close to the city centre (Unirii Square).**

We will arrange daily transportation from the city centre to MARS and back. The pick-up point is the parking place near “Parcul Bibescu” (44.42595347951333 N, 26.100947845772236 E), very close to Unirii Square (red circle on the map below). There are plenty of hotels within a walking distance, as well as restaurants, clubs and shops. There is also a metro station nearby. Metro is the fastest way to travel from one part to another in Bucharest. Uber and Bolt are also active.

Public transport from Bucharest to Magurele is available but it takes a long time. As such, **we kindly ask you to be on time at the parking place** and not miss the bus. Departure times will be announced closer to the event.

