



Grupo de investigación  
Física de la Atmósfera  
(RNM119)

## Servicios

Here you will find a general description of the services offered at AGORA Observational Platform.

The services include:

- Administrative support to comply with internal procedures for accessing facilities (physical).
- Administrative and technical support for providing a workspace for visitors: desk space with computer and internet access, meeting rooms, kitchen and lunch room (physical).
- Administrative support for managing accommodation near UGR and at mountain stations.
- Administrative support and advice for transportation, reception and storage of equipment.
- Technical support at the facility to fulfill visitor needs and constraints related to installation, deployment and operation of equipment: power connections, remote access, storage, security constraints, internet network (physical).
- Technical support to remotely operate AGORA instrumentation (remote).
- Scientific support for supervision and analysis of collected data (physical, remote).
- Unlimited observations and measurements as long as they do not interfere with other projects or instruments availability.

Please, contact us at: @email to clarify questions about services offered at AGORA

### 1. Campaigns for Aerosol-Cloud Interaction Research

#### SERVICE DESCRIPTION

Campaigns organized by local research group at urban (UGR) and mountain (SNS, CP) stations for research in aerosol-cloud interaction based on synergistic combination of remote sensing and in-situ techniques.

External research groups are invited to bring their own equipment (remote sensing or in situ) in order to get completeness in the essential variables (check [AGORA equipment list](#))

<b>ATMOSPHERE TYPE</b>	Ambient, controlled
<b>TYPE OF ACCESS</b>	Physical and Remote
<b>TARGET USERS</b>	Academia
<b>SERVICE STATUS</b>	The service is available (operational and ready to be offered)
<b>AVAILABILITY PERIOD</b>	All year round
<b>TIME CONSTRAINTS</b>	None

## 2. Experiments for Aerosol-Cloud Interaction Research

<b>SERVICE DESCRIPTION</b>	Specific experiments performed by using the available equipment at AGORA, combined with external equipment if needed. For example: use of polar nephelometer to study controlled ambient particles.
<b>ATMOSPHERE TYPE</b>	Ambient, controlled
<b>TYPE OF ACCESS</b>	Physical and Remote
<b>TARGET USERS</b>	Academia
<b>SERVICE STATUS</b>	The service is available (operational and ready to be offered)
<b>AVAILABILITY PERIOD</b>	All year round
<b>TIME CONSTRAINTS</b>	None

### 3. Instrument Testing and Intercomparison Campaigns

<b>TYPE OF SERVICE</b>	Technical service
<b>SERVICE DESCRIPTION</b>	Intercomparison campaigns. Comparison with AGORA instruments that follow ACTRIS protocols, in situ, remote sensing at urban (UGR) and mountain (SNS, CP) conditions.
<b>ATMOSPHERE TYPE</b>	Ambient, controlled
<b>TYPE OF ACCESS</b>	Physical
<b>TARGET USERS</b>	Academia
<b>SERVICE STATUS</b>	The service is available (operational and ready to be offered)
<b>AVAILABILITY PERIOD</b>	All year round
<b>TIME CONSTRAINTS</b>	None

### 4. Young Scientists Training

<b>TYPE OF SERVICE</b>	Training service
<b>SERVICE DESCRIPTION</b>	<p>Training through research of:</p> <p>a) operation and calibration techniques of remote sensing and in situ instrumentation available in AGORA</p> <p>b) algorithms for retrieval physical magnitudes from remote sensing instrumentation (LIRIC, GARRLIC, POLIPHON). This training can be performed by remote access</p>
<b>ATMOSPHERE TYPE</b>	Ambient, controlled

<b>TYPE OF ACCESS</b>	Physical and Remote
<b>TARGET USERS</b>	Academia
<b>SERVICE STATUS</b>	The service is available (operational and ready to be offered)
<b>AVAILABILITY PERIOD</b>	All year round
<b>TIME CONSTRAINTS</b>	None

#### 5. Training for Companies

<b>TYPE OF SERVICE</b>	Training service
<b>SERVICE DESCRIPTION</b>	Operation, calibration and exploitation of scientific instrumentation related to aerosol, cloud and meteorological information applied to industry. Like Doppler Lidar wind information applied to unmanned aviation.
<b>ATMOSPHERE TYPE</b>	Ambient
<b>TYPE OF ACCESS</b>	Physical
<b>TARGET USERS</b>	Private sector
<b>SERVICE STATUS</b>	The service is available (operational and ready to be offered)
<b>AVAILABILITY PERIOD</b>	All year round

<b>TIME CONSTRAINTS</b>	None
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## 6. Support to private innovation

<b>TYPE OF SERVICE</b>	Technical service
<b>SERVICE DESCRIPTION</b>	Test, intercomparison and benchmarking services of technology from private to enhance innovation. For example: study, with the help of AGORA, in situ equipment, of impact of aerosols on new materials, properties of aerosols key for health industry, detection of hazardous aerosol particles.
<b>ATMOSPHERE TYPE</b>	Ambient
<b>TYPE OF ACCESS</b>	Physical
<b>TARGET USERS</b>	Private sector
<b>SERVICE STATUS</b>	The service is available (operational and ready to be offered)
<b>AVAILABILITY PERIOD</b>	All year round
<b>TIME CONSTRAINTS</b>	None