



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

<http://atmosphere.ugr.es/>

### 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>	Training through research of: a) operation and calibration techniques of remote sensing and in situ instrumentation available in AGORA b) algorithms for retrieval physical magnitudes from remote sensing instrumentation (LIRIC, GARRLIC, POLIPHON). This training can be performed by remote access
<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
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