



Juan Antonio Bravo Aranda

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Summary of CV

This section describes briefly a summary of your career in science, academic and research; the main scientific and technological achievements and goals in your line of research in the medium -and long- term. It also includes other important aspects or peculiarities.

J.A. Bravo-Aranda started his PhD in 2009 at Universidad of Granada (UGR) with a predoctoral fellowship funded by the University of Granada (1 year) and then a national **FPU predoctoral fellowship** —obtained through a national competitive process— from 2010. He performed **2 PhD. research stays** at the Ludwig-Maximilian Universität (Germany) and the Romanian Atmospheric 3D Observatory (Rumania) in 2012 and 2013, respectively. During the predoctoral period, he was awarded with the **Best Poster Prize** in RICTA2013 and the **Excellence Prize** in the ITARS Summer School in 2013. He also gained **teaching experience** as a lecturer at the University of Granada (2 BSc-subjects) and as **supervisor of a Ms. these**. He obtained his European Ph.D. with the highest level (cum-laude per unanimity) on 2014 and the certificate '**Contratado Doctor**' on 2015. As a first post-doc position, he had a research contract at UGR (Dec. 2014-Jan. 2015). He worked as **postdoc** in the **Centre National de la Recherche Scientifique** (France), funded by the ICOS-INWIRE (2015) and by the ACTRIS-2 (2016) —both European project—. On 2017, he worked as researcher hired by the **École Polytechnique (France)**. Currently, he is hired by the University of Granada to continue his research on lidar and rada applications on aerosol-cloud interaction.

The researcher has performed a **postdoc research stay** at the Center of Optics and Photonics (Chile) **gaining himself a SANTANDER grant** through a national competitive process. He has taken part in 16 research funded international/national projects in Spain and France. He has also **experience in scientific transfer** as demonstrated by his **R&D agreement with the Raymetrics company (Greece)** from which collaboration a new lidar depolarization calibration device was developed and implemented. He has been invited to participate in the MESCAL project (new satellite mission after EarthCare) promoted by the CNES and NASA, due to his expertise in the lidar depolarization technique. During his postdoctoral period, he has also gained **teaching experience in foreign languages (English and French)** as a lecturer at the École Polytechnique.



General quality indicators of scientific research

This section describes briefly the main quality indicators of scientific production (periods of research activity, experience in supervising doctoral theses, total citations, articles in journals of the first quartile, H index...). It also includes other important aspects or peculiarities.

The researcher has reached an excellent level of dissemination with more than **25 papers in peer-reviewed scientific journals gathering almost 300 citations** and h-index of 11 (232 citations and h-index of 9 excluding self-citations). He is first or second author of 8 articles which evidence his capacity for responsibility and leadership of research. Almost all the **articles have international participation** from more than 20 nationalities thanks to his active participation in the international projects and research stays, highlighting his excellent international teamwork skills. From the total number of citations, the 60% are from the 2016 and 2017, evidencing his **strong research activity in the last years**. Considering the papers where the researcher is first or second author, he has worked on a broad range of subjects such as technical improvements, new methodologies, and scientific discovers. Leading 4 scientific papers, one of them with more than 15 co-authors from 9 different European institutions, the researcher has demonstrated his excellent dexterity in organization and coordination.

Indicators:

Scopus: citations=290 ; h-factor=11 ; i10-index=14

Google scholar: citations=407 ; h-factor=13 ; i10-index=18



Juan Antonio Bravo Aranda

Surname(s): **Bravo Aranda**
Name: **Juan Antonio**
DNI: [REDACTED]
Date of birth: **18/01/1983**
Gender: **Male**
Nationality: **Spain**
Country of birth: **Spain**
Aut. region/reg. of birth: **Andalusia**
City of birth: **Málaga**
Contact address: [REDACTED]
Postcode: **91120**
Contact country: [REDACTED]
Contact aut. region/reg.: [REDACTED]
Contact city: [REDACTED]
Land line phone: [REDACTED]
Email: **jabravo@ugr.es**
Mobile phone: [REDACTED]

Current professional situation

Employing entity: Universidad de Granada **Type of entity:** University
Department: Física Aplicada, Facultad de Ciencias
Professional category: Contrato Postdoctoral **Educational Management (Yes/No):** No
City employing entity: Granada, Andalusia, Spain
Email: jabravo@ugr.es
Start date: 01/01/2018
Type of contract: Grant-assisted student (pre or post-doctoral, others) **Dedication regime:** Full time
Performed tasks: En el Grupo de Física de la Atmósfera (GFAT), se desarrolla el trabajo de investigador asociado al proyecto de investigación CLARIN: - Medición y control de calidad de radar. - Combinación sinérgica de radar y lidar para el estudio de la interacción nube-aerosol. - Realización de medidas con lidar como miembros de la red europea de lidares EARLINET. - Inversión de propiedades ópticas y físicas del aerosol en el marco del proyecto internacional ACTRIS-2 y la red europea de lidares EARLINET. - Representante del GFAT en la red europea CLOUDNET.

Previous positions and activities

	Employing entity	Professional category	Start date
1	École Polytechnique	Investigador	01/01/2017
2	Centre National de la Recherche Scientifique (CNRS)	Contrato Postdoctoral	01/01/2016
3	Centre National de la Recherche Scientifique (CNRS)	Contrato Postdoctoral	01/02/2015
4	UNIVERSIDAD DE GRANADA	Contrato Posdoctoral	03/12/2014

	Employing entity	Professional category	Start date
5	UNIVERSIDAD DE GRANADA	Becario PFU de Investigación	03/10/2010
6	UNIVERSIDAD DE GRANADA	Becario de Investigación	01/11/2009
7	FUNDACION EMPRESA UNIVERSIDAD DE GRANADA	Becario de Investigación	01/10/2009
8	FUNDACION EMPRESA UNIVERSIDAD DE GRANADA	Becario de Investigación	01/02/2009
9	FUNDACION EMPRESA UNIVERSIDAD DE GRANADA	Becario de Investigación	01/06/2008

- 1** **Employing entity:** École Polytechnique **Type of entity:** University
Department: Laboratoire de Météorologie Dynamique, École Polytechnique
City employing entity: Palaiseau, Île de France, France
Professional category: Investigador **Educational Management (Yes/No):** No
Start-End date: 01/01/2017 - 31/12/2017 **Duration:** 1 year
Type of contract: Temporary employment contract
Dedication regime: Full time
Performed tasks: En la estación experimental SIRTA se desarrolló el trabajo de investigador en las siguientes áreas: i) Optimización del funcionamiento del lidar multi-espectral IPRAL. ii) Realización de medidas con IPRAL como miembros de la red europea de lidares EARLINET. iii) Realización de medidas con IPRAL para la campaña de intercomparación de perfiles de razón de mezcla de vapor de agua derivados de radiosondeos y el sistema lidar IPRAL (NAWDEX). iv) Desarrollo de algoritmos de inversión de medidas lidar para la determinación de propiedades ópticas y físicas del aerosol en el marco del proyecto internacional ACTRIS-2. v) Desarrollo de algoritmos de inversión de medidas lidar para la determinación de perfiles de razón de mezcla de vapor de agua en el marco del proyecto nacional ESPRI. vi) Investigación sobre la influencia de la meteorología en los eventos de polución en Paris. vii) Profesor del máster universitario europeo «CLIMATE-KIC». viii) Profesor de prácticas experimentales a estudiantes universitarios en los «Ateliers CLE».
- 2** **Employing entity:** Centre National de la Recherche Scientifique (CNRS) **Type of entity:** Public Research Body
Department: Laboratoire de Météorologie Dynamique, École Polytechnique
City employing entity: Palaiseau, Île de France, France
Professional category: Contrato Postdoctoral **Educational Management (Yes/No):** No
Start-End date: 01/01/2016 - 31/12/2016 **Duration:** 1 year
Type of contract: Grant-assisted student (pre or post-doctoral, others)
Dedication regime: Full time
Performed tasks: En la estación experimental SIRTA se desarrolló el trabajo de investigador en las siguientes áreas: i) Optimización del funcionamiento del lidar multi-espectral IPRAL. ii) Realización de medidas con IPRAL como miembros de la red europea de lidares EARLINET. iii) Realización de medidas con IPRAL para la campaña de intercomparación de perfiles de razón de mezcla de vapor de agua derivados de radiosondeos y el sistema lidar IPRAL (NAWDEX). iv) Desarrollo de algoritmos de inversión de medidas lidar para la determinación de propiedades ópticas y físicas del aerosol en el marco del proyecto internacional ACTRIS-2. v) Desarrollo de algoritmos de inversión de medidas lidar para la determinación de perfiles de razón de mezcla de vapor de agua en el marco del proyecto nacional ESPRI. vi) Estudio sobre la predicción a corto plazo de la formación de niebla a partir de medidas de ceilómetro en el marco de la Acción COST TOPROF (Towards operational ground based profiling with ceilometers, doppler lidars and microwave radiometers for improving weather forecasts) (COST Action ES1303). vii) Coordinador de los estudios sobre la capa límite planetaria en la campaña de intercomparación de ceilómetros, CEILINEX (Ceilometer Performance Experiment at Lindenberg) 2015 realizada en el marco de la Acción COST TOPROF (<http://ceilinex2015.de/>). - Dirección de prácticas de estudiantes (nacionales e internacionales) de másteres universitarios. viii) Profesor del máster universitario europeo «CLIMATE-KIC». ix) Profesor de prácticas experimentales a estudiantes universitarios en los «Ateliers CLE». x) Colaborador en la fase inicial del proyecto

MESCAL (Monitoring the Evolving State of Clouds, Aerosol, ocean, by Lidar) para el lanzamiento de un satélite equipado con un lidar de alta resolución espectral (HSRL, por sus siglas en inglés). Proyecto conjunto entre la NASA y el CNES.

- 3** **Employing entity:** Centre National de la Recherche Scientifique (CNRS) **Type of entity:** Public Research Body
Department: Laboratoire de Météorologie Dynamique, École Polytechnique
City employing entity: Palaiseau, Île de France, France
Professional category: Contrato Postdoctoral **Educational Management (Yes/No):** No
Start-End date: 01/02/2015 - 31/12/2015 **Duration:** 11 months
Type of contract: Grant-assisted student (pre or post-doctoral, others)
Dedication regime: Full time
Performed tasks: En la estación experimental SIRTa se desarrolló el trabajo de investigador en las siguientes áreas: i) Optimización del algoritmo STRAT+ para la detección de la capa límite planetaria a partir de medidas de ceilómetro en el marco del proyecto de infraestructuras ICOS. ii) Predicción a corto plazo de la formación de niebla a partir de medidas de ceilómetro en el marco de la Acción COST TOPROF (Towards operational ground based profiling with ceilometers, doppler lidars and microwave radiometers for improving weather forecasts) (COST Action ES1303). iii) Coordinador de los estudios sobre la capa límite planetaria en la campaña de intercomparación de ceilómetros, CEILINEX (Ceilometer Performance Experiment at Lindenberg) 2015 realizada en el marco de la Acción COST TOPROF (<http://ceilinex2015.de/>). iv) Puesta a punto del lidar multi-espectral IPRAL instalado en la estación experimental SIRTa en junio de 2015. v) Dirección de prácticas de un estudiante de máster universitario.
- 4** **Employing entity:** UNIVERSIDAD DE GRANADA
Professional category: Contrato Posdoctoral
Start-End date: 03/12/2014 - 01/02/2015 **Duration:** 1 month - 29 days
Type of contract: Grant-assisted student (pre or post-doctoral, others)
Performed tasks: Proyecto: «Long term database from spaceborne lidar measurements». Labor: Realización de medidas con un sistema lidar multiespectral así como el análisis de la base de datos lidar de la estación experimental.
- 5** **Employing entity:** UNIVERSIDAD DE GRANADA
Professional category: Becario PFU de Investigación
Start-End date: 03/10/2010 - 02/12/2014 **Duration:** 4 years
Type of contract: Grant-assisted student (pre or post-doctoral, others)
Performed tasks: Proyecto: «Long term database from spaceborne lidar measurements». Labor: Realización de medidas con un sistema lidar multiespectral así como el análisis de la base de datos lidar de la estación experimental.
- 6** **Employing entity:** UNIVERSIDAD DE GRANADA
Professional category: Becario de Investigación
Start-End date: 01/11/2009 - 02/12/2010 **Duration:** 1 year - 1 month - 2 days
Type of contract: Grant-assisted student (pre or post-doctoral, others)
Performed tasks: Proyecto: «Long term database from spaceborne lidar measurements». Labor: Realización de medidas con un sistema lidar multiespectral así como el análisis de la base de datos lidar de la estación experimental.
- 7** **Employing entity:** FUNDACION EMPRESA UNIVERSIDAD DE GRANADA
Professional category: Becario de Investigación
Start-End date: 01/10/2009 - 30/10/2009 **Duration:** 1 month
Type of contract: Grant-assisted student (pre or post-doctoral, others)



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Performed tasks: Proyecto: «Calibración, aplicación y validación del modelo VPRM en Andalucía». Labor: Realización de calibrados y uso de instrumental científico.

8 Employing entity: FUNDACION EMPRESA UNIVERSIDAD DE GRANADA

Professional category: Becario de Investigación

Start-End date: 01/02/2009 - 30/09/2009

Duration: 9 months

Type of contract: Grant-assisted student (pre or post-doctoral, others)

Performed tasks: Proyecto: «Gestión de la subvención otorgada por la Conserjería de Medio Ambiente de la Junta de Andalucía, a través de su programa de apoyo a las Agendas 21 Locales denominado CIUDAD 21». Labor: Realización del «Informe de Calidad del Aire: 2009» para el Ayuntamiento de Granada.

9 Employing entity: FUNDACION EMPRESA UNIVERSIDAD DE GRANADA

Professional category: Becario de Investigación

Start-End date: 01/06/2008 - 31/01/2009

Duration: 8 months

Type of contract: Grant-assisted student (pre or post-doctoral, others)

Performed tasks: Proyecto: «Gestión de la subvención otorgada por la Conserjería de Medio Ambiente de la Junta de Andalucía, a través de su programa de apoyo a las Agendas 21 Locales denominado CIUDAD 21». Labor: Realización del «Informe de Calidad del Aire: 2008» para el Ayuntamiento de Granada.



Education

University education

1st and 2nd cycle studies and pre-Bologna degrees

- 1 **University degree:** Máster
Name of qualification: Máster Universitario en Geofísica y Meteorología
Degree awarding entity: Universidad de Granada **Type of entity:** University
Date of qualification: 06/02/2009
- 2 **University degree:** Higher degree
Name of qualification: Licenciatura en Física
Degree awarding entity: Universidad de Granada **Type of entity:** University
Date of qualification: 03/10/2007

Doctorates

Doctorate programme: Programa Oficial de Postgrado en Física (P16.56.1)
Degree awarding entity: Universidad de Granada **Type of entity:** University
City degree awarding entity: Granada, Andalusia, Spain
Date of degree: 25/04/2014
European doctorate: Yes **Date of certificate:** 25/04/2014
Thesis title: Lidar depolarization technique: assessment of the hardware polarizing sensitivity and applications
Thesis director: Francisco José Olmo Reyes
Thesis co-director: Lucas Alados Arboledas
Obtained qualification: Sobresaliente Cum Laude
Recognition of quality: No

Specialised, lifelong, technical, professional and refresher training (other than formal academic and healthcare studies)

- 1 **Type of training:** Course
Training title: ECARS 1st Summer School on Atmospheric remote sensing: challenges and applications
City awarding entity: Bucharest, Romania
Awarding entity: National R&D Institute for Optoelectronics **Type of entity:** Public Research Body
Training manager: Nicolae, D.
End date: 03/06/2016 **Duration in hours:** 64 hours
- 2 **Type of training:** Course
Training title: Cours Python et git
City awarding entity: Palaiseau, France
Awarding entity: SOERE ROSEA **Type of entity:** Proyecto de infraestructura francés



Training manager: Drouin, M.-A.

End date: 23/09/2015

Duration in hours: 20 hours

- 3 Training title:** ITARS Summer School on aerosol remote sensing, processes and applications
Awarding entity: Romanian Atmospheric 3D Observatory
End date: 04/10/2013
Type of entity: Public Research Body
Duration in hours: 80 hours
- 4 Training title:** IV Summer School of AECTA
Awarding entity: Universidade de Évora
End date: 01/07/2013
Duration in hours: 6 hours
- 5 Type of training:** Course
Training title: Gestor de formación, formador de formadores y coaching
Awarding entity: Vemakel learning SLU
End date: 04/2013
Duration in hours: 130 hours
- 6 Training title:** III Summer School of AECTA
Awarding entity: Universidade de Granada
End date: 28/06/2010
Duration in hours: 6 hours
- 7 Training title:** Summer School Basic Aerosol Science
Awarding entity: Universidad de Viena
End date: 12/07/2009
Type of entity: University
Duration in hours: 50 hours
- 8 Training title:** II Jornadas Interuniversitarias de estudiantes de Andalucía
Awarding entity: Universidad de Málaga
End date: 15/11/2007
Type of entity: University
Duration in hours: 16 hours
- 9 Training title:** X Jornada de comunicación siglo XXI: La blogsfera: periodismo ciudadano
Awarding entity: Director Jornadas de Comunicación S.XXI
End date: 01/04/2006
Type of entity: Associations and Groups
Duration in hours: 10 hours
- 10 Training title:** IX Jornada de comunicación siglo XXI: Comunicación institucional eficiente
Awarding entity: Director Jornadas de Comunicación S.XXI
End date: 23/04/2005
Type of entity: Associations and Groups
Duration in hours: 10 hours
- 11 Training title:** VIII Jornada de comunicación siglo XXI: Cinco claves del éxito en los gabinetes de comunicación institucional
Awarding entity: Director Jornadas de Comunicación S.XXI
End date: 24/04/2004
Type of entity: Associations and Groups
Duration in hours: 10 hours



Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
German	A1	A1	A1	A1	A1
English	B2	B2	B2	B2	B2
French	B2	B2	B2	B2	B2
Spanish	C2	C2	C2	C2	C2

Teaching experience

General teaching experience

1 **Type of teaching:** Unofficial teaching

Name of the course: Travaux pratique: la colonne atmosphérique

Type of programme: Curso universitario

Type of teaching: Laboratory work

University degree: Ateliers CLE

Frequency of the activity: 1

Start date: 18/04/2017

End date: 22/04/2017

End date: 2017

Type of hours/ ECTS credits: Hours

Hours/ECTS credits: 4

Entity: École Polytechnique

Type of entity: University

Faculty, institute or centre: Laboratoire de Météorologie Dynamique

Subject language: French

2 **Type of teaching:** International teaching

Name of the course: Travaux pratique: la colonne atmosphérique

Type of programme: Master's degree

Type of teaching: Laboratory work

University degree: Mastér Universitario Europeo KIC-CLIMATE

Frequency of the activity: 1

Start date: 05/07/2016

End date: 05/07/2016

End date: 2016

Type of hours/ ECTS credits: Hours

Hours/ECTS credits: 7

Entity: École Polytechnique

Type of entity: University

Faculty, institute or centre: Laboratoire de Météorologie Dynamique

Subject language: English

3 **Type of teaching:** Unofficial teaching

Name of the course: Travaux pratique: la colonne atmosphérique

Type of programme: Curso universitario

Type of teaching: Laboratory work

University degree: Ateliers CLE

Frequency of the activity: 1

Start date: 18/04/2016

End date: 22/04/2016

End date: 2016

Type of hours/ ECTS credits: Hours

Hours/ECTS credits: 4

Entity: École Polytechnique

Type of entity: University

Faculty, institute or centre: Laboratoire de Météorologie Dynamique



Subject language: French

4 Type of teaching: Official teaching

Name of the course: Física aplicada a las instalaciones

Type of programme: Grado

Type of subject: Obligatory

University degree: Grado en Arquitectura

Course given: 2

Start date: 01/10/2014

End date: 2014

Hours/ECTS credits: 30

Entity: Universidad de Granada

Faculty, institute or centre: Escuela Técnica Superior de Arquitectura

Department: Física Aplicada

City of entity: Granada, Andalusia, Spain

Subject language: Spanish

Type of teaching: Practical work (classroom-problems)

Frequency of the activity: 1

End date: 21/12/2014

Type of hours/ ECTS credits: Credits

Type of entity: University

5 Type of teaching: Official teaching

Name of the course: Física

Type of programme: Grado

Type of subject: Obligatory

University degree: Grado en Ciencias Ambientales

Course given: 2

Start date: 01/10/2013

End date: 2014

Hours/ECTS credits: 15

Entity: Universidad de Granada

Faculty, institute or centre: Facultad de Ciencias

Department: Física Aplicada

City of entity: Granada, Andalusia, Spain

Subject language: Spanish

Type of teaching: Practical work (classroom-problems)

Frequency of the activity: 1

End date: 17/01/2014

Type of hours/ ECTS credits: Credits

Type of entity: University

6 Type of teaching: Official teaching

Name of the course: Meteorología y Climatología

Type of programme: Grado

Type of subject: Obligatory

University degree: Grado en Ciencias Ambientales

Course given: 2

Start date: 01/10/2013

End date: 2014

Hours/ECTS credits: 35

Entity: Universidad de Granada

Faculty, institute or centre: Facultad de Ciencias

Department: Física Aplicada

City of entity: Granada, Andalusia, Spain

Subject language: Spanish

Type of teaching: Practical work (classroom-problems)

Frequency of the activity: 2

End date: 17/01/2014

Type of hours/ ECTS credits: Credits

Type of entity: University

7 Type of teaching: Official teaching

Name of the course: Fundamentos Físicos de la Ingeniería

Type of programme: Grado

Type of subject: Obligatory

Type of teaching: Practical work (classroom-problems)



University degree: Grado en Ingeniería de Tecnología de Telecomunicación
Course given: 1 **Frequency of the activity:** 2
Start date: 01/03/2013 **End date:** 30/06/2013
End date: 2014 **Type of hours/ ECTS credits:** Credits
Hours/ECTS credits: 100
Entity: Universidad de Granada **Type of entity:** University
Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Informática
Department: Física Aplicada
City of entity: Granada, Andalusia, Spain
Subject language: Spanish

Experience supervising doctoral thesis and/or final year projects

Project title: Caracterización de la estructura vertical de la atmósfera con técnicas láser y microondas
Type of project: Minor thesis
Co-director of thesis: Cazorla, A.; BRAVO-ARANDA, J.A.
Entity: Universidad de Granada **Type of entity:** University
Student: Casquero-Vera, J. A.
Date of reading: 11/09/2014

Student tutorials

- 1 Name of the programme:** Co-dirección de estancia de investigación a estudiante de máster universitario (Dña. Sara Piermarini)
Entity: École Polytechnique **Type of entity:** University
City of entity: Palaiseau, Île de France, France
Frequency of the activity: 3
Number of tutored students: 3
- 2 Name of the programme:** Dirección de prácticas de investigación a estudiante universitario (D. Félix Hoffet)
Entity: École Polytechnique **Type of entity:** University
City of entity: Palaiseau, Île de France, France
Frequency of the activity: 1
Number of tutored students: 1

Participation in innovative teaching projects

- 1 Project title:** Aplicaciones docentes en el aula de física de la atmósfera para los grados y postgrados de física y ciencias ambientales
Type of participation: Others
Time of working relationship: For a limited time
Funding entity: Universidad de Granada **Type of entity:** University
Start-End date: 01/01/2013 - 01/02/2015 **Duration:** 2 years
- 2 Project title:** Aplicación del Sistema de Créditos Europeos
Type of participation: Others
Time of working relationship: For a limited time
Funding entity: Universidad de Granada **Type of entity:** University



Start-End date: 15/10/2007 - 15/07/2008

Duration: 10 months

3 Project title: Programa de tutorías para orientar al alumno de nuevo ingreso en lo relativo al programa formativo y organización de su itinerario curricular

Type of participation: Others

Time of working relationship: For a limited time

Funding entity: Universidad de Granada

Type of entity: University

Start-End date: 01/10/2006 - 30/07/2007

Duration: 1 year

Other activities/achievements not included above

Description of the activity: El estudiante en la construcción del espacio europeo de educación superior

Organising entity: Universidad de Málaga

Type of entity: University

End date: 15/11/2007

Scientific and technological experience

Scientific or technological activities

R&D projects funded through competitive calls of public or private entities

1 Name of the project: Towards operational ground based profiling with ceilometers, doppler lidars and microwave radiometers for improving weather forecasts (TOPROF)

Geographical area: European Union

Degree of contribution: Researcher

Entity where project took place: Universidad de Granada y varias

Name principal investigator (PI, Co-PI...): Haeffelin, M.; O'Connor, E.; Biondi, R.; Piringer, M.; Alados-Arboledas, L.; Martin-Perez, D.; et al.

Nº of researchers: 33

Type of participation: Others

Start-End date: 22/10/2013 - 21/10/2017

Duration: 5 years

2 Name of the project: Aerosols, Clouds, and Trace gases Research Infrastructure Network (ACTRIS)

Geographical area: European Union

Degree of contribution: Researcher

Entity where project took place: Universidad de Granada y varias

Type of entity: University

Name principal investigator (PI, Co-PI...): Gelsomina Pappalardo; Lucas Alados Arboledas; et al.

Type of participation: Others

Name of the programme: 7º Programa Marco-EU INFRA-2010-1.1.16 Research Infrastructures for Atmospheric Research

Code according to the funding entity: Contract number 262254

Start-End date: 01/04/2011 - 30/03/2016

3 Name of the project: ICOS - Improved sensors, Network and Interoperability for GMES

Geographical area: European Union

Degree of contribution: Researcher



Entity where project took place: Commissariat à l'Énergie Atomique et aux Énergies Alternatives
Type of entity: Public Research Body

Name principal investigator (PI, Co-PI....): Jean-Daniel Paris; et al.

Type of participation: Team member

Start-End date: 01/01/2013 - 31/12/2015

Duration: 3 years

Total amount: 2.600.000 €

Applicant's contribution: Optimización de algoritmos de detección de la capa límite planetaria a partir de medidas de ceilómetro.

4 Name of the project: Integrated Carbon Observation System (ICOS)

Entity where project took place: Centre National de la Recherche Scientifique (CNRS) y varias

Type of entity: R&D Centre

City of entity: Palaiseau, Île de France, France

Name principal investigator (PI, Co-PI....): Kutsch, W.; Kaukolehto, M.; Juurola, E.; Sorvari, S.; et al.

Start-End date: 01/04/2008 - 31/12/2015

5 Name of the project: Researcher square

Entity where project took place: Universidad de Granada y varias

Name principal investigator (PI, Co-PI....): García López, A.; et al.

Start-End date: 14/05/2014 - 13/05/2015

Total amount: 159.000 €

6 Name of the project: Caracterización multiinstrumental del aerosol atmosférico en el entorno urbano y rural. Implicaciones sobre la salud y el clima (TARTESOS) (P10-RNM-6299)

Geographical area: Regional

Degree of contribution: Researcher

Entity where project took place: Universidad de Granada

Type of entity: University

City of entity: Granada, Andalusia, Spain

Name principal investigator (PI, Co-PI....): Lucas Alados Arboledas; Francisco José Olmo Reyes; et al

Type of participation: Others

Name of the programme: Junta de Andalucía – Plan Andaluz de Investigación (JA – PAI)

Code according to the funding entity: P10-RNM-6299

Start-End date: 01/01/2011 - 31/12/2014

Duration: 4 years

7 Name of the project: Andalusian researchers' night 2012 (ANDARES) (316618)

Geographical area: European Union

Degree of contribution: Researcher

Entity where project took place: Universidad de Granada

Type of entity: University

Type of participation: Others

Name of the programme: Comisión europea, VII Programa Marco

Start-End date: 01/05/2012 - 30/11/2012

8 Name of the project: Equipo de investigación multidisciplinar sobre cambios climáticos graduales y abruptos, y sus efectos medioambientales (GRACCIE) (CSD2007-00067)

Geographical area: Non EU International

Degree of contribution: Researcher

Entity where project took place: Universidad de Granada y varias

Type of entity: University

City of entity: Granada, Andalusia, Spain

Name principal investigator (PI, Co-PI....): Joan Grimalt; Lucas Alados Arboledas; et al.



Type of participation: Others

Name of the programme: MCI. Programa Consolider Ingenio 2010

Code according to the funding entity: CSD 2007-00067

Start-End date: 01/10/2007 - 30/09/2012

Duration: 1858 days

Total amount: 6.413.000 €

- 9** **Name of the project:** European Aerosol Research Lidar Network - Advanced Sustainable Observation System (EARLINET-ASOS)
Geographical area: European Union
Degree of contribution: Researcher
Entity where project took place: Universidad de Granada y varias
Name principal investigator (PI, Co-PI....): Gelsomina Pappalardo; Lucas Alados Arboledas; et al.
Type of participation: Others
Start-End date: 01/03/2006 - 28/02/2011 **Duration:** 5 years
Relevant results: Acción Coordinada dentro del 6º Programa Marco de la Unión Europea, programa específico: Structuring the European Research Area Specific Programme - Research Infrastructures Action
- 10** **Name of the project:** Participación española en ChArMEx (The Chemistry-Aerosol Mediterranean Experiment)
Geographical area: European Union
Degree of contribution: Researcher
Entity where project took place: Universitat Politècnica de Catalunya y varias **Type of entity:** University
Name principal investigator (PI, Co-PI....): Michaël Sicard; Lucas Alados Arboledas; et al
Type of participation: Others
Name of the programme: Ministerio de Ciencia e Innovación. Acción Complementaria del Plan Nacional de I+D
Code according to the funding entity: CGL2009-08031-E/CLI
Start-End date: 2010 - 2011
- 11** **Name of the project:** Intercomparación de lidares (radar laser) españoles avanzados - 3A
Geographical area: European Union
Degree of contribution: Researcher
Entity where project took place: Universidad Politècnica de Cataluña, Universidad de Granada y varias **Type of entity:** University
City of entity: Barcelona, Catalonia, Spain
Name principal investigator (PI, Co-PI....): Michäel Sicard; Adolfo Comerón Tejero; Francesch Rocabosch; Lucas Alados Arboledas; Juan Luis Guerrero Rascado; Francisco Molero; Manuel Pujadas; Frank Wagner; Ana Maria Silva; et al
Type of participation: Others
Name of the programme: Ministerio de Ciencia e Innovación. Acción Complementaria del Área Temática de Gestión de Atmósfera, Clima y Cambio Climático, modalidad B
Start-End date: 01/07/2009 - 31/12/2010 **Duration:** 548 days
- 12** **Name of the project:** Caracterización del aerosol atmosférico mediante teledetección activa y pasiva integrada con observaciones in situ (CATARSIS) (CGL2007-66477-C02-01)
Degree of contribution: Researcher
Entity where project took place: Universidad de Granada **Type of entity:** University
City of entity: Granada, Andalusia, Spain
Name principal investigator (PI, Co-PI....): Lucas Alados Arboledas; Francisco José Olmo Reyes; et al.



Type of participation: Others

Name of the programme: Centro de Investigación de Ciencia y Tecnología (CICYT)

Code according to the funding entity: CGL2007-66477-C02-01

Start-End date: 01/10/2007 - 30/09/2010

Duration: 1095 days

Total amount: 176.660 €

- 13 Name of the project:** Una aproximación multidisciplinar al papel del aerosol atmosférico en el cambio global (AEROGLOBAL) (P06-RNM-01503)
Degree of contribution: Researcher
Entity where project took place: Universidad de Granada **Type of entity:** University
City of entity: Granada, Andalusia, Spain
Name principal investigator (PI, Co-PI...): Lucas Alados Arboledas; Francisco José Olmo Reyes; et al.
Type of participation: Others
Name of the programme: Junta de Andalucía – Plan Andaluz de Investigación (JA – PAI)
Code according to the funding entity: P06-RNM-1503
Start-End date: 01/01/2007 - 01/01/2010 **Duration:** 3 years
- 14 Name of the project:** Calibración, aplicación y validación del modelo VPRM en Andalucía
Type of project: Demonstration, pilot projects, conceptual formulations and design of processes and services **Geographical area:** Regional
Degree of contribution: Researcher
Entity where project took place: Fundación Empresa-Universidad de Granada
City of entity: Granada, Spain
Name principal investigator (PI, Co-PI...): Penélope Serrano Ortíz; Andrew Stephen Kowalski; et al.
Nº of researchers: 5
Type of participation: Others
Start-End date: 01/03/2008 - 01/03/2009 **Duration:** 1 year
Total amount: 20.876 €
- 15 Name of the project:** Calibración, aplicación y validación del modelo VPRM en Andalucía
Type of project: Demonstration, pilot projects, conceptual formulations and design of processes and services **Geographical area:** Regional
Degree of contribution: Researcher
Entity where project took place: Fundación Empresa-Universidad de Granada
City of entity: Granada, Spain
Name principal investigator (PI, Co-PI...): Penélope Serrano Ortíz; Andrew Stephen Kowalski; et al.
Nº of researchers: 5
Type of participation: Others
Start-End date: 01/03/2008 - 01/03/2009 **Duration:** 1 year
Total amount: 20.876 €
- 16 Name of the project:** European network of excellence on atmospheric composition change (ACCENT)
Entity where project took place: Universidad de Granada y varias
Name principal investigator (PI, Co-PI...): Fuzzi, S.; Maione, M.; Alados-Arboledas, L.; et al.
Start-End date: 24/07/2006 - 28/02/2009



Results

Technological results derived from specialized and transfer activities, not included in previous sections

Description: Development and implementation of a new depolarization calibration in Raymetrics lidar systems

Name of the principal Investigator (PI): Alados-Arboledas, L.

Name of the Co-principal investigator (Co-PI): Bravo-Aranda, J.A.

Degree of contribution: Researcher

Results for improvement of products: Yes

Geographical area: European Union

Collaborating entity or bodies:

Universidad de Granada

Type of entity: University

City collaborating entity: Granada, Andalusia, Spain

Raymetrics

Type of entity: Business

City collaborating entity: Atenas, Greece

Start date: 01/07/2016

Duration: 6 months

Relevant results: Desarrollo e implementación de un nuevo sistema de calibración en los líderes de la empresa Raymetrics

Scientific and technological activities

Scientific production

H index: 11

Publications, scientific and technical documents

- 1 BRAVO-ARANDA, J.A.; Belegante, L.; Freudenthaler, V.; Alados-Arboledas, L.; Nicolae, D.; et al. Assessment of lidar depolarization uncertainty by means of a polarimetric lidar simulator. Atmospheric Measurement Techniques. 9 - 10, pp. 4935 - 4953. Copernicus Gesellschaft MBH, 2016. ISSN 1867-1381

Type of production: Scientific paper

Format: Journal

Position of signature: 1

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Total no. authors: 18

Corresponding author: Yes

Impact source: ISI

Category: Science Edition - METEOROLOGY & ATMOSPHERIC SCIENCES

Impact index in year of publication: 2.989

Journal in the top 25%: No

Position of publication: 23

No. of journals in the cat.: 84

Source of citations: SCOPUS

Citations: 10

Source of citations: Google scholar

Citations: 13



Relevant publication: Yes

- 2** Haeffelin, M.; Laffineur, Q.; BRAVO-ARANDA, J.A.; Drouin, M.-A.; Casquero-Vera, J.A.; Dupont, J.-C.; De Backer, H. Radiation fog formation alerts using attenuated backscatter power from automatic lidars and ceilometers. *Atmospheric Measurement Techniques*. 9 - 11, pp. 5347 - 5365. Copernicus Gesellschaft MBH, 2016. ISSN 1867-1381

Type of production: Scientific paper

Position of signature: 3

Total no. authors: 7

Impact source: ISI

Impact index in year of publication: 2.989

Position of publication: 23

Source of citations: SCOPUS

Source of citations: Google scholar

Relevant publication: Yes

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: No

Category: Science Edition - METEOROLOGY & ATMOSPHERIC SCIENCES

Journal in the top 25%: No

No. of journals in the cat.: 84

Citations: 4

Citations: 3

- 3** BRAVO-ARANDA, J.A.; Titos, G.; Granados-Muñoz, M. J.; Guerrero-Rascado, J. L.; Navas-Guzmán, J.; Valenzuela, A.; Lyamani, H.; Olmo, F. J.; Andrey, J.; Alados-Arboledas, L. Study of mineral dust entrainment in the planetary boundary layer by lidar depolarization technique. *Tellus B*. 67 - 26180, Co-action publishing, 2015. Available on-line at: <<http://dx.doi.org/10.3402/tellusb.v65i0.21234>>. ISSN 1600-0889

Type of production: Scientific paper

Position of signature: 1

Total no. authors: 10

Impact source: ISI

Impact index in year of publication: 2.402

Position of publication: 26

Source of citations: SCOPUS

Source of citations: Google Scholar

Relevant publication: Yes

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: Yes

Category: Science Edition - METEOROLOGY & ATMOSPHERIC SCIENCES

Journal in the top 25%: No

No. of journals in the cat.: 84

Citations: 12

Citations: 13

- 4** BRAVO-ARANDA, J.A.; Navas-Guzman, F. J.; Guerrero-Rascado, J.L.; Pérez-Ramírez, D.; Granados-Muñoz, M.J.; Alados-Arboledas, L. Analysis of lidar depolarization calibration procedure and application to the atmospheric aerosol characterization. *International Journal of Remote Sensing*. 34 - 9-10, pp. 3543 - 3560. Taylor & Francis, 2013. Available on-line at: <<http://dx.doi.org/10.1080/01431161.2012.716546>>. ISSN 0143-1161

Type of production: Scientific paper

Position of signature: 1

Total no. authors: 6

Impact source: ISI

Impact index in year of publication: 1.64

Position of publication: 13

Impact source: ISI

Impact index in year of publication: 1.64

Position of publication: 8

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: Yes

Category: Science Edition - REMOTE SENSING

Journal in the top 25%: No

No. of journals in the cat.: 28

Category: Science Edition - IMAGING SCIENCE & PHOTOGRAPHIC TECHNOLOGY

Journal in the top 25%: No

No. of journals in the cat.: 24

**Source of citations:** SCOPUS**Citations:** 16**Source of citations:** Google scholar**Citations:** 19**Relevant publication:** Yes

- 5** Granados-Muñoz, M. J.; Navas-Guzman, F. J.; BRAVO-ARANDA, J.A.; Guerrero-Rascado, J.L.; Lyamani, H.; Fernández-Gálvez, J.; Alados-Arboledas, L. Automatic determination of the boundary layer height using lidar: one-year analysis over southeastern Spain. *Journal of Geophysical Research*. 117 - 117, pp. D18208-1 - D18208-10. AGU, 2012. ISSN 2169-897X

Type of production: Scientific paper**Format:** Journal**Position of signature:** 3**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Total no. authors:** 7**Corresponding author:** No**Impact source:** ISI**Category:** Science Edition - GEOSCIENCES, MULTIDISCIPLINARY**Impact index in year of publication:** 3.318**Journal in the top 25%:** Yes**Position of publication:** 27**No. of journals in the cat.:** 184**Source of citations:** SCOPUS**Citations:** 35**Source of citations:** Google Scholar**Citations:** 43**Relevant publication:** Yes

- 6** BRAVO-ARANDA, J.A.; de-Arruda-Moreira, G.; Navas-Guzman, F. J.; Granados-Muñoz, M.J.; Guerrero-Rascado, J.L.; Pozo-Vázquez, D.; Arbizu-Barrena, C.; Olmo, F. J.; Mallet, M.; Alados-Arboledas, L. A new methodology for PBL height estimations based on lidar depolarization measurements: analysis and comparison against MWR and WRF model-based results. *Atmospheric Chemistry and Physics*. Copernicus, 2017. Available on-line at: <<https://doi.org/10.5194/acp-17-6839-2017>>.

Type of production: Scientific paper**Format:** Journal**Position of signature:** 1**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Total no. authors:** 10**Corresponding author:** Yes**Source of citations:** SCOPUS**Citations:** 1**Source of citations:** Google scholar**Citations:** 6

- 7** Belegante, L.; BRAVO-ARANDA, J.A.; Freudenthaler, V.; Nicolae, D.; Nemuc, A.; Alados-Arboledas, L.; Amodeo, A.; et al. Experimental techniques for the calibration of lidar depolarization channels in EARLINET. *Atmospheric Measurement Techniques Discussion*. (accepted), Copernicus Gesellschaft MBH, 2017.

Type of production: Scientific paper**Format:** Journal**Position of signature:** 2**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Total no. authors:** 15**Corresponding author:** No

- 8** Mandija, F.; Sicard, M.; Comerón, A.; Alados-Arboledas, L.; Guerrero-Rascado, J.L.; Barragán, R.; BRAVO-ARANDA, J.A.; Granados-Muñoz, M. J.; Lyamani, H.; Muñoz-Porcar, C.; Rocadenbosh, F.; Rodríguez, A.; Valenzuela, A.; García-Vizcaíno, D. Origin and pathways of the mineral dust transport to two Spanish EARLINET sites: Effect on the observed columnar and range-resolved dust optical properties. *Atmospheric Research*. 187, pp. 69 - 83. Elsevier, 2017. ISSN 0169-8095

Type of production: Scientific paper**Format:** Journal**Position of signature:** 7**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Total no. authors:** 14**Corresponding author:** No

**Impact source:** ISI**Impact index in year of publication:** 3.377**Position of publication:** 18**Category:** Science Edition - METEOROLOGY & ATMOSPHERIC SCIENCES**Journal in the top 25%:** Yes**No. of journals in the cat.:** 84

- 9** Barragán, R.; Sicard, M.; Totems, P.; León, J.F.; Dulac, F.; Mallet, M.; Pelon, J.; Alados-Arboledas, L.; Amodeo, A.; Agustín, P.; Boselli, A.; BRAVO-ARANDA, J.A.; et al.,. Spatio-temporal monitoring by ground-based and air- and space-borne lidars of a moderate Saharan dust event affecting southern Europe in June 2013 in the framework of the ADRIMED/ChArMEx campaign. *Air quality, Atmosphere and Health*. 1, pp. 1 - 15. Springer, 2017. ISSN 1873-9318

Type of production: Scientific paper**Position of signature:** 12**Total no. authors:** 33**Impact source:** ISI**Impact index in year of publication:** 2.324**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** No**Category:** Science Edition - METEOROLOGY & ATMOSPHERIC SCIENCES**Journal in the top 25%:** No

- 10** Granados-Muñoz, M.J.; BRAVO-ARANDA, J.A.; Baumgardner, D.; Guerrero-Rascado, J.L.; Pérez-Ramírez, D.; Navas-Guzmán, F.; Veselovskii, I.; Lyamani, H.; Valenzuela, A.; Olmo, F.J.; Titos, G.; Andrey, J.; Chaikovsky, a.; Dubovik, O.; Gil-Ojeda, M.; Alados-Arboledas, L.A comparative study of aerosol microphysical properties retrieved from ground-based remote sensing and aircraft in situ measurements during a Saharan dust even. *Atmospheric Measurement Techniques*. 9 - 3, pp. 1113 - 1133. Copernicus Gesellschaft MBH, 2016. ISSN 1867-1381

Type of production: Scientific paper**Position of signature:** 2**Total no. authors:** 16**Impact source:** ISI**Impact index in year of publication:** 2.989**Position of publication:** 23**Source of citations:** SCOPUS**Source of citations:** Google Scholar**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** No**Category:** Science Edition - METEOROLOGY & ATMOSPHERIC SCIENCES**Journal in the top 25%:** No**No. of journals in the cat.:** 84**Citations:** 9**Citations:** 10

- 11** Sicard, M.; Barragán, R.; Muñoz-Porcar, C.; Comerón, A.; Mallet, M.; Pelon, J.; Alados-Arboledas, L.; Amodeo, A.; Boselli, A.; BRAVO-ARANDA, J.A.; D'Amico, G. Contribution of EARLINET/ACTRIS to the summer 2013 Special Observing Period of the ChArMEx project: monitoring of a Saharan dust event over the western and central Mediterranean. *International Journal of Remote Sensing*. 37 - 19, pp. 4698 - 4711. Taylor & Francis, 2016. Available on-line at: <<http://dx.doi.org/10.1080/01431161.2012.716546>>. ISSN 0143-1161

Type of production: Scientific paper**Position of signature:** 11**Total no. authors:** 27**Impact source:** ISI**Impact index in year of publication:** 1.64**Position of publication:** 13**Impact source:** ISI**Impact index in year of publication:** 1.64**Position of publication:** 8**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** No**Category:** Science Edition - REMOTE SENSING**Journal in the top 25%:** No**No. of journals in the cat.:** 28**Category:** Science Edition - IMAGING SCIENCE & PHOTOGRAPHIC TECHNOLOGY**Journal in the top 25%:** No**No. of journals in the cat.:** 24

- 12** Wandinger, U.; Freudenthaler, V.; Baars, H.; Amodeo, A.; Engelmann, R.; Mattis, I.; Gross, S.; Pappalardo, G.; Giunta, A.; D'Amico, G.; Chaikosky, A.; Osipenko, F.; Slesar, A.; Nicolae, D.; Belegante, L.; Talianu, C.; Serikov, I.; Linne, H.; Jansen, F.; Apituley, A.; Wilson, K.M.; de Graaf, M.; Trickl, T.; Giehl, H.; Adam, M.; Comerón, A.; Muñoz-Porcar, C.; Roca-denbosh, F.; Sicard, M.; Tomas, S.; Lange, D.; Kumar, D.; Pujadas, M.; Molero, F.; Fernández, A. J.; Alados-Arboledas, L.; BRAVO-ARANDA, J.A.; Navas-Guzmán, F.; et al. EARLINET instrument intercomparison campaigns: overview on strategy and results. *Atmospheric Measurement Techniques*. 9 - 3, pp. 1001 - 1023. Copernicus Gesellschaft MBH, 2016. ISSN 1867-1381
- Type of production:** Scientific paper
Position of signature: 38
- Total no. authors:** 55
Impact source: ISI
- Impact index in year of publication:** 2.989
Position of publication: 23
- Source of citations:** SCOPUS
Source of citations: Google scholar
- Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
Category: Science Edition - METEOROLOGY & ATMOSPHERIC SCIENCES
Journal in the top 25%: No
No. of journals in the cat.: 84
- Citations:** 10
Citations: 20
- 13** Granados-Muñoz, M.J.; Navas-Guzman, F. J.; Guerrero-Rascado, J.L.; BRAVO-ARANDA, J.A.; Biniotoglou, I.; et al. Profiling of aerosol microphysical properties at several EARLINET/AERONET sites during the July 2012 ChArMEx/EMEP campaign. *Atmospheric Chemistry and Physics*. 16 - 11, pp. 7043 - 7066. Copernicus, 2016. Available on-line at: <www.atmos-chem-phys.net/12/3115/2012/>. ISSN 1680-7316
- Type of production:** Scientific paper
Position of signature: 4
- Total no. authors:** 28
Impact source: ISI
- Impact index in year of publication:** 5.114
Position of publication: 6
- Source of citations:** SCOPUS
Source of citations: Google scholar
- Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
Category: Science Edition - METEOROLOGY & ATMOSPHERIC SCIENCES
Journal in the top 25%: Yes
No. of journals in the cat.: 84
- Citations:** 7
Citations: 11
- 14** Biniotoglou, I.; Basart, S.; Alados-Arboledas, L.; Amiridis, V.; Argyrouli, A.; Baars, H.; Baldasano, J.M.; Balis, D.; Belegante, L.; BRAVO-ARANDA, J.A.; Burlizzi, P.; et al. A methodology for investigating dust model performance using synergistic EARLINET/AERONET dust concentration retrievals. *Atmospheric Measurement Techniques*. 8 - 9, pp. 3577 - 3600. Copernicus Gesellschaft MBH, 2015. ISSN 1867-1381
- Type of production:** Scientific paper
Position of signature: 10
- Total no. authors:** 42
Impact source: ISI
- Impact index in year of publication:** 2.989
Position of publication: 23
- Source of citations:** WOS
Source of citations: Google Scholar
- Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
Category: Science Edition - METEOROLOGY & ATMOSPHERIC SCIENCES
Journal in the top 25%: No
No. of journals in the cat.: 84
- Citations:** 11
Citations: 13



- 15** Sicard, M.; D'Amico, G.; Comerón, A.; Mona, L.; Alados-Arboledas, L.; Amodeo, A.; Baars, H.; Baldasano, J.M.; Belegante, L.; Biniotoglou, I.; BRAVO-ARANDA, J.A.; Fernández, A.J.; et al. EARLINET: potential operationality of a research network. *Atmospheric Measurement Techniques*. 8 - 11, pp. 4587 - 4613. Copernicus Gesellschaft MBH, 2015. ISSN 1867-1381
- Type of production:** Scientific paper
Position of signature: 11
- Total no. authors:** 44
Impact source: ISI
- Impact index in year of publication:** 2.989
Position of publication: 23
- Source of citations:** SCOPUS
Source of citations: Google Scholar
- Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: Yes
Category: Science Edition - METEOROLOGY & ATMOSPHERIC SCIENCES
Journal in the top 25%: No
No. of journals in the cat.: 84
- Citations:** 11
Citations: 13
- 16** Granados-Muñoz, M.J.; Navas-Guzmán, F.; Bravo-Aranda, J.A.; Guerrero-Rascado, J.L.; Lyamani, H.; Valenzuela, A.; Titos, G.; Fernández-Gálvez, J.; Alados-Arboledas, L. Hygroscopic growth of atmospheric aerosol particles based on active remote sensing and radiosounding measurements: selected cases in southeastern Spain. *Atmospheric Measurement Techniques*. 8 - 2, pp. 705 - 718. 2015. ISSN 1867-1381
- Type of production:** Scientific paper
Position of signature: 3
- Total no. authors:** 9
Impact source: ISI
- Impact index in year of publication:** 2.989
Position of publication: 23
- Source of citations:** SCOPUS
Source of citations: Google scholar
- Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
Category: Science Edition - METEOROLOGY & ATMOSPHERIC SCIENCES
Journal in the top 25%: No
No. of journals in the cat.: 84
- Citations:** 11
Citations: 14
- 17** Corredor Ardoy, J. L.; BRAVO-ARANDA, J.A.; Granados-Muñoz, M. J.; Guerrero-Rascado, J. L.; Fernández-Gálvez, J.; Cazorla, A.; Alados-Arboledas, L. Active and passive remote sensing for monitoring the planetary boundary layer height. *Óptica Pura y Aplicada*. 47 - 1, pp. 83 - 86. 2014.
- Type of production:** Scientific paper
Format: Journal
- 18** Ortiz-Amezcuca, P.; Guerrero-Rascado, J. L.; BRAVO-ARANDA, J.A.; Granados-Muñoz, M. J.; Alados-Arboledas, L. Characterization of atmospheric aerosols for a long range transport of biomass burning particles from Canadian forest fires over the southern Iberian Peninsula in July 2013. *Óptica Pura y Aplicada*. 47 - 1, pp. 43 - 49. 2014.
- Type of production:** Scientific paper
Format: Journal
- 19** Rogelj, N.; Navas-Guzmán, F.; Guerrero-Rascado, J. L.; BRAVO-ARANDA, J.A.; Granados-Muñoz, M. J.; Alados-Arboledas, L. Experimental determination of UV- and VIS- lidar overlap function. *Óptica Pura y Aplicada*. accepted, 2014.
- Type of production:** Scientific paper
Format: Journal
- 20** Granados-Muñoz, M. J.; Guerrero-Rascado, J. L.; BRAVO-ARANDA, J.A.; Navas-Guzmán, F.; Valenzuela, A.; Lyamani, H.; Chaikovskiy, A.; Wandinger, U.; Ansmann, A.; Dubovik, O.; Alados-Arboledas, L. Retrieving aerosol microphysical properties by Lidar-Radiometer Inversion Code (LIRIC) for different aerosol types. *Journal of Geophysical Research*. 119 - 8, pp. 4836 - 4858. American Geophysical Union, 2014. ISSN 2169-897X



Type of production: Scientific paper
Position of signature: 3

Total no. authors: 12
Impact source: ISI

Impact index in year of publication: 3.318
Position of publication: 27

Source of citations: SCOPUS

Source of citations: Google Scholar

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: No

Category: Science Edition - GEOSCIENCES, MULTIDISCIPLINARY

Journal in the top 25%: Yes

No. of journals in the cat.: 184

Citations: 22

Citations: 26

- 21** Navas-Guzmán, F.; Bravo-Aranda, J.A.; Guerrero-Rascado, J.L.; Granados-Muñoz, M.J.; Alados-Arboledas, L. Tropospheric water vapour and relative humidity profiles from lidar and microwave radiometry. *Atmospheric Measurement Techniques*. 7 - 5, pp. 1201 - 1211. Copernicus Gesellschaft MBH, 2014. ISSN 1867-1381

Type of production: Scientific paper
Position of signature: 5

Total no. authors: 6
Impact source: ISI

Impact index in year of publication: 2.989
Position of publication: 23

Source of citations: SCOPUS

Source of citations: Google scholar

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: No

Category: Science Edition - METEOROLOGY & ATMOSPHERIC SCIENCES

Journal in the top 25%: No

No. of journals in the cat.: 84

Citations: 15

Citations: 18

- 22** Fernández-Gálvez, J.; Guerrero-Rascado, J.L.; Molero, F.; Lyamani, H.; Revuelta, M. A.; Navas-Guzmán, F. J.; Satre, M.; BRAVO-ARANDA, J.A.; Fernández, J. A.; Granados-Muñoz, M. J.; Gómez-moreno, F. J.; Olmo, F. J.; Pujadas, M.; Alados-Arboledas, L. Aerosol size distribution from inversion of solar radiances and measured at ground-level during SPALI10 campaign. *Atmospheric Research*. 127, pp. 130 - 140. Elsevier, 2013. Available on-line at: <<http://dx.doi.org/10.1016/j.atmosres.2012.03.015>>. ISSN 0169-8095

Type of production: Scientific paper
Position of signature: 8

Total no. authors: 14
Impact source: ISI

Impact index in year of publication: 3.377
Position of publication: 18

Source of citations: SCOPUS

Source of citations: Google scholar

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Corresponding author: No

Category: Science Edition - METEOROLOGY & ATMOSPHERIC SCIENCES

Journal in the top 25%: Yes

No. of journals in the cat.: 84

Citations: 8

Citations: 12

- 23** Navas-Guzmán, F.J.; Müller, D.; BRAVO-ARANDA, J.A.; Guerrero-Rascado, J. L.; Granados-Muñoz, M. J.; Pérez-Ramírez, D.; Olmo-Reyes, F. J.; Alados-Arboledas, L. Eruption of the Eyjafjallajökull Volcano in spring 2010: Multiwavelength Raman Lidar Measurements of Sulphate Particles in the Lower Troposphere. *Journal of Geophysical Research*. 118, pp. 10.1002/jgrd.50116. AGU, 2013. ISSN 2169-897X

Type of production: Scientific paper
Position of signature: 3

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

**Corresponding author:** No**Impact source:** ISI**Impact index in year of publication:** 3.318**Position of publication:** 27**Source of citations:** SCOPUS**Source of citations:** Google scholar**Category:** Science Edition - GEOSCIENCES, MULTIDISCIPLINARY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 184**Citations:** 17**Citations:** 23

- 24** Pappalardo, G.; Mona, L.; D'Amico, G.; Wandinger, U.; Adam, M.; Amodeo, A.; Alados-Arboledas, L.; Balis, D.; Boselli, A.; BRAVO-ARANDA, J.A.; et al. Four-dimensional distribution of the 2010 Eyjafjallajökull volcanic cloud over Europe observed by EARLINET. *Atmospheric Chemistry and Physics*. 13, pp. 4429 - 4450. 2013. ISSN 1680-7316

Type of production: Scientific paper**Position of signature:** 12**Total no. authors:** 59**Impact source:** ISI**Impact index in year of publication:** 5,114**Position of publication:** 6**Source of citations:** SCOPUS**Source of citations:** Google scholar**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** No**Category:** Science Edition - METEOROLOGY & ATMOSPHERIC SCIENCES**Journal in the top 25%:** Yes**No. of journals in the cat.:** 84**Citations:** 34**Citations:** 45

- 25** Navas-Guzmán, J.; BRAVO-ARANDA, J.A.; Guerrero-Rascado, J. L.; Granados-Muñoz, M. J.; Alados-Arboledas, L. Statistical analysis of aerosol optical properties retrieved by Raman lidar over Southeastern Spain. *Tellus B*. 65, pp. 21234. Co-acting publishing, 2013. Available on-line at: <<http://dx.doi.org/10.3402/tellusb.v65i0.21234>>. ISSN 1600-0889

Type of production: Scientific paper**Position of signature:** 2**Total no. authors:** 5**Impact source:** ISI**Impact index in year of publication:** 2.402**Position of publication:** 29**Source of citations:** SCOPUS**Source of citations:** Google Scholar**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** No**Category:** Science Edition - METEOROLOGY & ATMOSPHERIC SCIENCES**Journal in the top 25%:** No**No. of journals in the cat.:** 84**Citations:** 15**Citations:** 17

- 26** Sicard, M.; Guerrero-Rascado, J.L.; Navas-Guzman, F. J.; Preißler, J.; Molero, F.; Tomás, S.; BRAVO-ARANDA, J.A.; Comerón, A.; Rocabosch, F.; Wagner, F.; Pujadas, M.; Alados-Arboledas, L. Monitoring of the Eyjafjallajökull volcanic aerosol plume over the Iberian Peninsula by means of four EARLINET lidar stations. *Atmospheric Chemistry and Physics*. 12, pp. 3115 - 3130. Copernicus, 2012. Available on-line at: <www.atmos-chem-phys.net/12/3115/2012/>. ISSN 1680-7316

Type of production: Scientific paper**Position of signature:** 8**Total no. authors:** 13**Impact source:** ISI**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Impact index in year of publication:** 5.114**Position of publication:** 6**Source of citations:** SCOPUS**Source of citations:** Google scholar**Category:** Science Edition - METEOROLOGY & ATMOSPHERIC SCIENCES**Journal in the top 25%:** Yes**No. of journals in the cat.:** 84**Citations:** 19**Citations:** 25

- 27** Fernández, A. J.; Molero, F.; Sicard, M.; Navas-Guzmán, F.; Preißler, J.; Amodeo, A.; Freudenthaler, V.; Tomás, S.; Granados-Muñoz, M. J.; Wagner, F.; Giunta, A.; Mattis, I.; Pujadas, M.; Comerón, A.; Alados-Arboledas, L.; Guerrero-Rascado, J. L.; D'Amico, G.; Lange, D.; BRAVO-ARANDA, J.A.; Kumar, D.; Pappalardo, G.; Giner, J.; Muñoz, C.; Rocadenbosch, F. Study on aerosol properties over Madrid (Spain) by multiple instrumentation during SPALI10 lidar campaign. *Óptica Pura y Aplicada*. 45 - 4, pp. 405 - 413. 2012.

Type of production: Scientific paper**Impact source:** SCOPUS**Impact index in year of publication:** 0.038**Position of publication:** 63**Category:** Atomic & Molecular Physics & Optics**Journal in the top 25%:** No**No. of journals in the cat.:** 72

- 28** Navas-Guzman, F. J.; Guerrero-Rascado, J. L.; BRAVO-ARANDA, J.A.; Alados-Arboledas, L. Calibration of 1064nm-backscatter profiles with a multiwavelength Raman lidar. *Romanian Journal of Physics*. 56 - 3-4, pp. 460 - 466. Romanian Academy, 2011. ISSN 1221-146X

Type of production: Scientific paper**Position of signature:** 3**Total no. authors:** 4**Impact source:** ISI**Impact index in year of publication:** 1.398**Source of citations:** WOS**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** No**Category:** Science Edition - PHYSICS, MULTIDISCIPLINARY**Journal in the top 25%:** No**Citations:** 2

- 29** Navas-Guzman, F.J.; Guerrero-Rascado, J. L.; BRAVO-ARANDA, J.A.; Alados-Arboledas, L. On the use cirrus clouds for elastic lidar calibration. *Optica Pura y Aplicada*. 44 - 1, pp. 49 - 53. 2011. ISSN 2171-8814

Type of production: Scientific paper**Impact source:** SCOPUS**Impact index in year of publication:** 0.038**Format:** Journal**Category:** Atomic & Molecular Physics & Optics**Journal in the top 25%:** No

- 30** Guerrero-Rascado, J. L.; Navas-Guzman, F.; Díaz-, J.A.; BRAVO-ARANDA, J.A.; Alados-Arboledas, L. Quality assurance at the earlinet Granada station: characterization of the optical subsystem for a multichannel raman lidar. *Óptica Pura y Aplicada*. 44 - 1, pp. 19 - 23. 2011.

Type of production: Scientific paper**Format:** Journal

- 31** Monitoring daily evolution of the atmospheric aerosol in an urban environment by means of remote sensing and in-situ methodologies. Juan Antonio Morente Chiquero: in memoriam. 2013. ISBN 978-84-338-5540-4

Type of production: Book chapter

- 32** Fernández-Gálvez, J.; Guerrero-Rascado, J. L.; Molero, F.; Lyamani, H.; Revuelta, M. A.; Navas-Guzman, F. J.; Sastre, M.; BRAVO-ARANDA, J.A.; Fernández, A. F.; Granados-Muñoz, M.J.; Gómez-Moreno, F. J.; Olmo, F.J.; Pujadas, M.; Alados-Arboledas, L. Aerosol size distribution from inversion of solar radiances and measured at ground-level during SPALI10 campaign. *Proceedings of the Global Conference on Global Warming 2011*. 1, pp.



199 - 208. Eds. A. M. Silva, A. H. Reis, D. Bortoli, J. Carneiro, M. J. Costa, M. Bezzeghoud and R. Salgado, 2011. ISBN 978-989-95091-3-9

Type of production: Book chapter

Format: Book

- 33** BRAVO-ARANDA, J.A.; Navas-Guzman, F. J.; Granados-Muñoz, M. J.; Guerrero-Rascado, J. L.; Alados-Arboledas, L. Atmospheric aerosol characterization by dual lidar depolarization. Book of extended abstracts of V Reunión Española de Ciencia y Tecnología de Aerosoles. pp. H2-1 - H2-5. 2011. ISBN 978-84-7834-662-2

Type of production: Book chapter

Format: Book

- 34** Granados-Muñoz, M. J.; Navas-Guzman, F. J.; BRAVO-ARANDA, J.A.; Guerrero-Rascado, J. L.; Fernández-Gálvez, J.; Lucas Alados Arboledas. Multi-instrumental detection of the mixing layer height over Granada. Book of extended abstracts of V Reunión Española de Ciencia y Tecnología de Aerosoles. pp. B5-1 - B5-6. 2011. ISBN 978-84-7834-662-2

Type of production: Book chapter

Format: Book

- 35** Navas-Guzman, F.; BRAVO-ARANDA, J.A.; Guerrero-Rascado, J.L.; Granados-Muñoz, M. J.; Alados-Arboledas, L. Study of ground-based vertical profiles of tropospheric aerosol in coincidence with CALIPSO overpasses at Granada, Spain. Book of extended abstracts of V Reunión Española de Ciencia y Tecnología de Aerosoles. pp. D3-1 - D3-6. 2011. ISBN 978-84-7834-662-2

Type of production: Book chapter

Format: Book

- 36** Molero, F.; Amodeo, A.; Sicard, M.; Preißler, J.; Navas-Guzman, F.; Freudenthaler, V.; Fernández, A. J.; Giunta, A.; Tomás, S.; Wagner, F.; Granados-Muñoz, M. J.; Mattis, I.; Pujadas, M.; D'amico, G.; Comerón, A.; Guerrero-Rascado, J. L.; Alados-Arboledas, L.; Lange, D.; BRAVO-ARANDA, J.A.; Kumar, D.; Pappalardo, G.; Giner, J.; Muñoz, C.; Rocadenbosch, F. Study on aerosol properties over Madrid (Spain) by multiple instrumentation during EARLINET lidar intercomparison campaign: SPALI10. Book of extended abstracts of V Reunión Española de Ciencia y Tecnología de Aerosoles. pp. B4-1 - B4-6. 2011. ISBN 978-84-7834-662-2

Type of production: Book chapter

Format: Book

- 37** BRAVO-ARANDA, J.A.; Navas-Guzmán, F.; Granados, M.J.; Alados-Arboledas, L. Atmospheric aerosol characterization by lidar depolarization profiles. Third recent advances in quantitative remote sensing. 2010. ISBN 978-84-370-7952-3

Type of production: Book chapter

Format: Book

- 38** Lyamani, H.; Foyo-Moreno, I.; BRAVO-ARANDA, J.A.; Olmo-Reyes, F.J.; Alados-Arboledas, L. Evaluation of two correction schemes of particle soot absorption photometer data. Book of extended abstracts: IV Reunión Española de Ciencia y Tecnología de Aerosoles. pp. E5-1 - E5-6. 2010. ISBN 978-84-693-4839-0

Type of production: Book chapter

Format: Book

- 39** BRAVO-ARANDA, J. A.; Lyamani, H.; Olmo-Reyes, F. J.; Vera, J.; Alados-Arboledas, L. Long-term air quality trends over Granada, Spain. Book of extended abstracts: IV Reunión Española de Ciencia y Tecnología de Aerosoles. pp. F8-1 - F8-6. 2010. ISBN 978-84-693-4839-0

Type of production: Book chapter

Format: Book

- 40** Olmo-Reyes, F. J.; Navas-Guzman, F. J.; Lyamani, H.; BRAVO-ARANDA, J.A.; Guerrero-Rascado, J.L.; Alados-Arboledas, L. Monitoring of lofted aerosol layers of mineral desert dust with Raman Lidar and a set of photometers at different altitudes. Book of extended abstracts of IV Reunión Española de Ciencia y Tecnología de Aerosoles. pp. C11-1 - C11-6. Eds. L. Alados-Arboledas, F. J. Olmo, J. L. Guerrero-Rascado, M. Antón, 2010. ISBN 978-84-693-4839-0

Type of production: Book chapter

Format: Book

- 41** Guerrero-Rascado, J.L.; Sicard, M.; Molero, F.; Navas-Guzman, F.; Preißler, J.; Kumar, D.; BRAVO-ARANDA, J. A.; Tomas, S.; Reba, M.D.; Alados-Arboledas, Lucas; Comeron, A.; Pujadas, M.; Rocadenbosch, F.; Wagner, F.; Silva, A. M. Monitoring of the Eyjafjallajökull ash plume at four lidar stations over the Iberian Peninsula: 6 to 8 May



2010. Book of extended abstracts: IV Reunión Española de Ciencia y Tecnología de Aerosoles. pp. C15-1 - C15-6. 2010. ISBN 978-84-693-4839-0

Type of production: Book chapter

Format: Book

- 42** Navas-Guzman, F.; Pérez-Ramírez, D.; Olmo-Reyes, F. J.; Lyamani, H.; Guerrero-Rascado, J. L.; BRAVO-ARANDA, J. A.; Alados-Arboledas, L. On the synergetic use of passive and active remote sensing for atmospheric aerosol radiative effect computations. Proceedings of the 25th international laser radar conference. pp. 1146 - 1149. 2010. ISBN 978-5-94458-109-9

Type of production: Book chapter

Format: Book

- 43** Navas-Guzman, F.; BRAVO-ARANDA, J.A.; Granados-Muñoz, M. J.; Guerrero-Rascado, J. L.; Alados-Arboledas, L. Study on the planetary boundary layer top with Raman lidar. Book of extended abstracts: IV Reunión Española de Ciencia y Tecnología de Aerosoles. pp. C9-1 - C9-6. 2010. ISBN 978-84-693-4839-0

Type of production: Book chapter

Format: Book

- 44** Guerrero-Rascado, J.L.; Lyamani, H.; Silva, A M.; Wagner, F.; Pereira, S.; Navas-Guzman, F. J.; BRAVO-ARANDA, J.A.; Alados-Arboledas, L. Airborne and ground based instrumentation comparison: closure study during CAPEX project. Proceedings of the 8th International Symposium on Tropospheric Profiling: Integration of Needs, Technologies and Applications. pp. S12-P03-1 - S12-P03-4. Eds. A. Apituley, H.W.J. Russchenberg, W.A.A. Monna, 2009. ISBN 978-90-6960-233-2

Type of production: Book chapter

Format: Book

- 45** Alados-Arboledas, L.; Horvath, H.; Querol, X.; Olmo-Reyes, F. J.; Guerrero-Rascado, J.L.; Lyamani, H.; Navas-Guzman, F. J.; BRAVO-ARANDA, J.A.; Castillo, S.; Alastuey, A. Atmospheric aerosol properties in an urban atmosphere: ESTIO2005. Proceedings of the 8th International Symposium on Tropospheric Profiling: Integration of Needs, Technologies and Applications. pp. S12-P04-1 - S12-P04-4. Eds. A. Apituley, H.W.J. Russchenberg, W.A.A. Monna, 2009. ISBN 978-90-6960-233-2

Type of production: Book chapter

Format: Book

- 46** Preissler, J.; BRAVO-ARANDA, J.A.; Wagner, F.; Granados-Muñoz, M.J.; Navas-Guzmán, F.; Guerrero-Rascado, J. L.; Lyamani, H.; Alados-Arboledas, L. Optical properties of free tropospheric aerosol from multi-wavelength Raman lidars over the Southern Iberian Peninsula. Proceedings of the 9th International Symposium on Tropospheric Profiling: Integration of Needs, Technologies and Applications. pp. SP09-01 - SP09-04. 2009. ISBN 978-90-815839-4-7

Type of production: Book chapter

Format: Book

- 47** Lyamani, H.; BRAVO-ARANDA, J. A.; Alados-Arboledas, L. Informe de calidad del aire de Granada: Año 2009. 2009.

Type of production: Scientific-technical report

Format: Scientific and technical document or report

- 48** Lyamani, H.; BRAVO-ARANDA, J. A.; Alados-Arboledas, L. Informe de calidad del aire de Granada: Año 2008. 2008.

Type of production: Scientific-technical report

Format: Scientific and technical document or report

- 49** Adam, M.; Alados-Arboledas, L.; Althausen, D.; Amiridis, V.; Amodeo, A.; Ansmann, A.; Apituley, A.; Arshinov, A.; Balis, D.; Belegante, L.; Bobrovnikov, S.; Boselli, A.; BRAVO-ARANDA, J.A.; et al. EARLINET all observations (2000-2010). World Data Center for Climate (WDCC). 2014. Available on-line at: <https://doi.org/10.1594/WDCC/EN_all_measurements_2000-2010>.

Type of production: Base de datos

Format: Scientific and technical document or report

Position of signature: 14

Total no. authors: 99

Corresponding author: No



- 50** Adam, M.; Alados-Arboledas, L.; Althausen, D.; Amiridis, V.; Amodeo, A.; Ansmann, A.; Apituley, A.; Arshinov, A.; Balis, D.; Belegante, L.; Bobrovnikov, S.; Boselli, A.; BRAVO-ARANDA, J.A.; et al. EARLINET climatology (2000–2010). World Data Center for Climate (WDCC). 2014. Available on-line at: <https://doi.org/10.1594/WDCC/EN_Climatology_2000-2010>.
Type of production: Base de datos **Format:** Scientific and technical document or report
Position of signature: 14
Total no. authors: 99 **Corresponding author:** No
- 51** Adam, M.; Alados-Arboledas, L.; Althausen, D.; Amiridis, V.; Amodeo, A.; Ansmann, A.; Apituley, A.; Arshinov, A.; Balis, D.; Belegante, L.; Bobrovnikov, S.; Boselli, A.; BRAVO-ARANDA, J.A.; et al. EARLINET correlative observations for CALIPSO (2006–2010). World Data Center for Climate (WDCC). 2014. Available on-line at: <https://doi.org/10.1594/WDCC/EN_Calipso_2006-2010>.
Type of production: Base de datos **Format:** Scientific and technical document or report
Position of signature: 14
Total no. authors: 99 **Corresponding author:** No
- 52** Adam, M.; Alados-Arboledas, L.; Althausen, D.; Amiridis, V.; Amodeo, A.; Ansmann, A.; Apituley, A.; Arshinov, A.; Balis, D.; Belegante, L.; Bobrovnikov, S.; Boselli, A.; BRAVO-ARANDA, J.A.; et al. EARLINET observations related to Saharan Dust events (2000–2010). World Data Center for Climate (WDCC). 2014. Available on-line at: <https://doi.org/10.1594/WDCC/EARLINET_SaharanDust_2000-2010>.
Type of production: Base de datos **Format:** Scientific and technical document or report
Position of signature: 14
Total no. authors: 99 **Corresponding author:** No
- 53** Adam, M.; Alados-Arboledas, L.; Althausen, D.; Amiridis, V.; Amodeo, A.; Ansmann, A.; Apituley, A.; Arshinov, A.; Balis, D.; Belegante, L.; Bobrovnikov, S.; Boselli, A.; BRAVO-ARANDA, J.A.; et al. EARLINET observations related to volcanic eruptions (2000–2010). World Data Center for Climate (WDCC). 2014. Available on-line at: <https://doi.org/10.1594/WDCC/EN_VolcanicEruption_2000-2010>.
Type of production: Base de datos **Format:** Scientific and technical document or report
Position of signature: 14
Total no. authors: 99 **Corresponding author:** No

Works submitted to national or international conferences

- 1** **Title of the work:** A better understanding of the atmospheric boundary layer structure using ALCs, MWRs and Doppler lidars in the framework of TOPROF
Name of the conference: European Meteorology Society Annual Meeting
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication **Reasons for participation:** Open access
Corresponding author: Yes
City of event: Dublin, Ireland
Date of event: 2017
End date: 2017
Organising entity: European Meteorology Society
With external admission assessment committee: Yes
BRAVO-ARANDA, J.A.; Cimini, D.; Collaud-Coen, M.; Guerrero-Rascado, J. L.; Haeffelin, M.; Hervo, M.; Kotthaus, S.; O'Connor, E.; Costa, M. J.; Schween, J.; Saeed, U.; Mona, L.; Drouin, M.-A.; Geiss, A.; Wiegner, M.; Alados-Arboledas, L. En: EMS Annual Meeting Abstracts.



- 2** **Title of the work:** Characterising the atmospheric boundary layer based on ceilometer observations
Name of the conference: European Meteorology Society Annual Meeting
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication **Reasons for participation:** Open access
Corresponding author: No
City of event: Dublin, Ireland
Date of event: 2017
End date: 2017
Organising entity: European Meteorology Society
With external admission assessment committee: Yes
Kotthaus, S.; Grimmond, S.; BRAVO-ARANDA, J.A.; Haeffelin, M.; Hervo, M.; Haefele, A.En: EMS Annual Meeting Abstracts.
- 3** **Title of the work:** The international ceilometer inter-comparison campaign CeiLinEx2015 - uncertainties and artefacts of aerosol profiles -
Name of the conference: European Meteorology Society Annual Meeting
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication **Reasons for participation:** Open access
Corresponding author: No
City of event: Dublin, Ireland
Date of event: 2017
End date: 2017
Organising entity: European Meteorology Society
With external admission assessment committee: Yes
Mattis, I.; Pattantyus-Ábrhám, M.; Begbie, R.; BRAVO-ARANDA, J.A.; et al.En: EMS Annual Meeting Abstracts.
- 4** **Title of the work:** Thermal inversion influence on the mixing layer height during a record pollutant event at Paris megacity
Name of the conference: European Meteorology Society Annual Meeting
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - oral communication **Reasons for participation:** Open access
Corresponding author: Yes
City of event: Dublin, Ireland
Date of event: 2017
End date: 2017
Organising entity: European Meteorology Society
With external admission assessment committee: Yes
BRAVO-ARANDA, J.A.; Haeffelin, M.; Foret, G.; Gross, V.; Gratien, A.; Dupont, J.-C.; Michaud, V.; Favez, Olivier; Drouin, M.-A.En: EMS Annual Meeting Abstracts.
- 5** **Title of the work:** Thermal inversion influence on the mixing layer height during a record pollutant event at Paris megacity
Name of the conference: Journée Scientifique SIRTA
Type of event: Workshop **Geographical area:** National
Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: Palaiseau, France
Date of event: 2017



End date: 2017

Organising entity: Site Instrumental de Recherche par Télédetection Atmosphérique **Type of entity:** Public Research Body

City organizing entity: Palaiseau, France

BRAVO-ARANDA, J.A.; Haeffelin, M.; Foret, G.; Gratien, A.; Dupont, J.-C.; Kotthaus, S.; Michoud, V.; Favez, O.; Drouin, M.-A.

6 Title of the work: Aerosol properties over the Paris megacity monitored using a multi-wavelength Raman Lidar

Name of the conference: European Aerosol Conference

Type of event: Conference

Geographical area: European Union

Type of participation: 'Participatory - poster

Reasons for participation: Open access

Corresponding author: Yes

City of event: Tours, France

Date of event: 2016

End date: 2016

Organising entity: Association Française d'Étude et des Recherches sur les Aérosols **Type of entity:** Associations and Groups

City organizing entity: Créteil, France

With external admission assessment committee: Yes

BRAVO-ARANDA, J.A.; Christophe Pietras; Martial Haeffelin. En: Book of abstracts EAC2016.

7 Title of the work: CEILINEX 2015: Validation of calibration methods during the ceilometer inter-comparison

Name of the conference: EGU General Assembly 2016

Type of event: Conference

Geographical area: European Union

Type of participation: 'Participatory - poster

Corresponding author: No

City of event: Viena, Austria

Date of event: 2016

End date: 2016

Hervo, M.; Begbie, R.; Boyouk, N.; BRAVO-ARANDA, J. A.; et al.En: Book of abstracts EGU2016.

8 Title of the work: CEILINEX 2015: Validation of calibration methods during the ceilometer inter-comparison

Name of the conference: EGU General Assembly 2016

Type of event: Conference

Geographical area: European Union

Type of participation: 'Participatory - poster

Corresponding author: No

City of event: Viena, Austria

Date of event: 2016

End date: 2016

Hervo, M.; Begbie, R.; Boyouk, N.; BRAVO-ARANDA, J. A.; et al.En: Book of abstracts EGU2016.

9 Title of the work: Diurnal to seasonal variability of the atmospheric boundary layer depths over the multi-instrumented SIRTA observatory near to Paris

Name of the conference: International Symposium for the Advancement of Boundary Layer Remote Sensing

Type of event: Conference

Geographical area: National

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Varna, Bulgaria

Date of event: 2016



End date: 2016

Organising entity: National Institute of Meteorology and Hydrology

City organizing entity: Sofia, Bulgaria

With external admission assessment committee: Yes

Haeffelin, M.; BRAVO-ARANDA, J.A.; Pietras, C.; Pal., S.

10 Title of the work: Statistical analysis of parameters computed by PARAFOG: a new pathway to increase knowledge on the early stage of fog formation

Name of the conference: 7th International Conference on Fog, Fog Collection, and Dew

Type of event: Conference

Geographical area: European Union

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Wroclaw, Poland

Date of event: 2016

End date: 2016

Organising entity: University of Wroclaw

Type of entity: University

City organizing entity: Wroclaw, Poland

With external admission assessment committee: Yes

Laffineur, Q.; Haeffelin, M.; Dupont, J.-C.; BRAVO-ARANDA, J.A.; Drouin, M.-A.; De Backer, H.

11 Title of the work: The ceilometer inter-comparison campaign CeilLinEx2015

Name of the conference: EGU General Assembly 2016

Type of event: Conference

Geographical area: European Union

Type of participation: Participatory - poster

Corresponding author: No

City of event: Viena, Austria

Date of event: 2016

End date: 2016

Mattis, I.; Begbie, R.; Boyouk, N.; BRAVO-ARANDA, J. A.; et al.En: Book of abstracts EGU2016.

12 Title of the work: Automatic retrieval of aerosol backscatter coefficient with ceilometer

Name of the conference: 3rd Iberian Meeting On Aerosol Science And Technology (RICTA)

Type of event: Conference

Geographical area: European Union

City of event: Elche, Spain

Date of event: 2015

Cazorla-Cabrera, A.; Granados-Muñoz, M. J.; BRAVO-ARANDA, J. A.; Casquero-Vera, J.A.;

Alados-Arboledas, L.En: Book of abstracts RICTA2015. 1, pp. 201 - 201.

13 Title of the work: Characterization of Saharan dust ageing over the western Mediterranean Basin during a multi-intrusion event in June 2013 in the framework of the ADRIMED/ChArMEx campaign

Name of the conference: VIII Workshop on Lidar Measurements in Latin America

Type of event: Conference

Geographical area: Non EU International

Corresponding author: No

City of event: Cayo Coco, Cuba

Date of event: 2015

End date: 2015

Barragán, R.; Sicard, M.; Totems, J.; León, J. F.; Renard, J.B.; Dulac, F.; Mallet, M.; Pelon, J.;

Alados-Arboledas, L.; Amodeo, A.; Agustin, P.; Boselli, A.; BRAVO-ARANDA, J. A.; et al., En: Book of abstracts WMLA2015. pp. 1 - 3.



- 14** **Title of the work:** Ground-based aerosol measurements during CHARMEX/ADRIMED campaign at Granada station
Name of the conference: EGU General Assembly 2015
Type of event: Conference **Geographical area:** European Union
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Viena, Austria
Date of event: 2015
End date: 2015
Granados-Muñoz, M.J.; BRAVO-ARANDA, J. A.; Navas-Guzmán, F.; Guerrero-Rascado, J.L.; et al.En: Book of abstracts EGU2015.
- 15** **Title of the work:** Long-term calibration factor of ceilometer Jenoptik-CHM 15k retrieved by mean of new methodology
Name of the conference: EGU General Assembly 2015
Type of event: Conference **Geographical area:** European Union
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Viena, Austria
Date of event: 2015
End date: 2015
Casquero-Vera, J.A.; Cazorla, A.; BRAVO-ARANDA, J. A.; Alados-Arboledas, L.En: Book of abstracts EGU2015.
- 16** **Title of the work:** Retrieval of aerosol fine mode radius and fine mode fraction by lidar measurements at the EARLINET Granada station
Name of the conference: VIII Workshop on Lidar Measurements in Latin America
Type of event: Conference **Geographical area:** Non EU International
Corresponding author: No
City of event: Cayo Coco, Cuba
Date of event: 2015
End date: 2015
Ortiz-Amezúa, P.; Guerrero-Rascado, J. L.; BRAVO-ARANDA, J. A.; Granados-Muñoz, M. J.; Alados-Arboledas, L.En: Book of abstracts WLMLA2015. pp. 1 - 3.
- 17** **Title of the work:** Retrieval of microphysical properties for different aerosol types with LIRIC algorithm
Name of the conference: VIII Workshop on Lidar Measurements in Latin America
Type of event: Conference **Geographical area:** Non EU International
Corresponding author: No
City of event: Cayo Coco, Cuba
Date of event: 2015
End date: 2015
Ortiz-Amezúa, P.; Guerrero-Rascado, J. L.; Granados-Muñoz, M. J.; BRAVO-ARANDA, J. A.; Alados-Arboledas, L.En: Book of abstracts WLMLA2015. pp. 1 - 3.
- 18** **Title of the work:** Aerosol properties retrieval toward tropospheric aerosol typing using IPRAL multi-wavelength Lidar and ancillary measurements at SIRTA observatory
Name of the conference: Journée Scientifique SIRTA
Type of event: Workshop **Geographical area:** National
Type of participation: 'Participatory - poster
Corresponding author: Yes



City of event: Palaiseau, France

Date of event: 2015

End date: 2015

Organising entity: Site Instrumental de Recherche par Télédetection Atmosphérique

Type of entity: Public Research Body

City organizing entity: Palaiseau, France

BRAVO-ARANDA, J.A.; Pietras, C.; Haeffelin, M.

19 Title of the work: PARAFOG: Pre-fog alert tool based on ceilometer measurements

Name of the conference: Journée Scientifique SIRT

Type of event: Workshop

Geographical area: National

Type of participation: 'Participatory - poster

Corresponding author: No

City of event: Palaiseau, France

Date of event: 2015

End date: 2015

Organising entity: Site Instrumental de Recherche par Télédetection Atmosphérique

Type of entity: Public Research Body

City organizing entity: Palaiseau, France

Haeffelin, M.; BRAVO-ARANDA, J.A.; Drouin, M.-A.; Casquero-Vera., J.A.; Dupont, J.-C.; De Backer, H.

20 Title of the work: Restitution du rapport de mélange de vapeur d'eau à partir des mesures Lidar

Name of the conference: Journée Scientifique SIRT

Type of event: Workshop

Geographical area: National

Type of participation: Participatory - oral communication

Corresponding author: Yes

City of event: Palaiseau, France

Date of event: 2015

End date: 2015

Organising entity: Site Instrumental de Recherche par Télédetection Atmosphérique

City organizing entity: Palaiseau, France

BRAVO-ARANDA, J.A.; Pietras, C.; Lapouge, F.; Dupont, J.-C.; Haeffelin, M.

21 Title of the work: STRAT+: PBL height detection by ceilometers

Name of the conference: Journée Scientifique SIRT

Type of event: Workshop

Geographical area: National

Type of participation: 'Participatory - poster

Corresponding author: Yes

City of event: Palaiseau, France

Date of event: 2015

End date: 2015

Organising entity: Site Instrumental de Recherche par Télédetection Atmosphérique

Type of entity: Public Research Body

City organizing entity: Palaiseau, France

BRAVO-ARANDA, J.A.; Drouin, M.-A.; Haeffelin, M.; Pietras, C.

22 Title of the work: Satellite Cal/Val using IPRAL high-performance multi-wavelength Raman Lidar: Heritage from EARLINET research

Name of the conference: Journée Scientifique SIRT

Type of event: Workshop

Geographical area: National

Type of participation: 'Participatory - poster



Corresponding author: Yes

City of event: Palaiseau, France

Date of event: 2015

End date: 2015

Organising entity: Site Instrumental de Recherche par Télédetection Atmosphérique

Type of entity: Public Research Body

City organizing entity: Palaiseau, France

BRAVO-ARANDA, J.A.; Haeffelin, M.; Piermarini, S.; Pietras, C.

23 Title of the work: Assessment of BSC-DREAM8B model using LIRIC (lidar and radiometer inversion code)

Name of the conference: 2nd Iberian Meeting on Aerosol Science and Technology (RICTA2014)

Geographical area: European Union

City of event: Tarragona, Catalonia, Spain

Date of event: 2014

End date: 2014

Organising entity: Universitat Rovira i Virgili

Type of entity: University

Guerrero-Rascado, J. L.; Granados-Muñoz, M. J.; BRAVO-ARANDA, J. A.; Basart, S.; Baldasano, J. M.; Alados-Arboledas, L.En: Book of abstracts RICTA2014.

24 Title of the work: Evaluation of LIRIC with two sun-photometer at different height levels: Statistical analysis

Name of the conference: 2nd Iberian Meeting on Aerosol Science and Technology (RICTA2014)

Geographical area: European Union

City of event: Tarragona, Catalonia, Spain

Date of event: 2014

End date: 2014

Organising entity: Universitat Rovira i Virgili

Type of entity: University

Granados-Muñoz, M. J.; Guerrero-Rascado, J. L.; BRAVO-ARANDA, J. A.; Navas-Guzman, F.; Lyamani, H.; Valenzuela, A.; Olmo, F.; Alados-Arboledas, L.En: Book of abstracts RICTA2014.

25 Title of the work: Lidar depolarization uncertainties analysis using the lidar polarizing sensitivity simulator

Name of the conference: 2nd Iberian Meeting on Aerosol Science and Technology (RICTA2014)

Geographical area: European Union

City of event: Tarragona, Catalonia, Spain

Date of event: 2014

End date: 2014

Organising entity: Universitat Rovira i Virgili

Type of entity: University

BRAVO-ARANDA, J. A.; Guerrero-Rascado, J. L.; Granados-Muñoz, M. J.; Olmo, F.; Alados-Arboledas, L.En: Book of abstracts RICTA2014.

26 Title of the work: Active and passive remote sensing for monitoring the planetary boundary layer height

Name of the conference: VII Workshop on Lidar Measurements in Latin America

Type of event: Conference

Geographical area: Non EU International

City of event: Pucón, Chile

Date of event: 2013

Organising entity: Center for optics and photonics

Type of entity: University Research Institute

City organizing entity: La Concepción, Chile

Corredor-ARdoy, J. L.; BRAVO-ARANDA, J. A.; Granados-Muñoz, M. J.; Guerrero-Rascado, J. L.; Fernández-Gálvez, J.; Cazorla, A.; Alados-Arboledas, L.En: Book of abstracts WLMLA2013. pp. 1 - 3.



- 27** **Title of the work:** Experimental determination of UV- and VIS- lidar overlap function
Name of the conference: VII Workshop on Lidar Measurements in Latin America
Type of event: Conference **Geographical area:** Non EU International
City of event: Pucón, Chile
Date of event: 2013
Organising entity: Center for optics and photonics **Type of entity:** University Research Institute
City organizing entity: La Concepción, Chile
Rogelj, N.; Guerrero-Rascado, J. L.; Navas-Guzman, F. J.; BRAVO-ARANDA, J. A.; Granados-Muñoz, M. J.; Alados-Arboledas, L.En: Book of abstracts WLMLA2013. pp. 1 - 3.
- 28** **Title of the work:** Improvements on planetary boundary layer height estimates using lidar depolarization during CHARMEX 2012 campaign
Name of the conference: VII Workshop on Lidar Measurements in Latin America
Type of event: Conference **Geographical area:** Non EU International
City of event: Pucón, Chile
Date of event: 2013
Organising entity: Center for optics and photonics **Type of entity:** University Research Institute
City organizing entity: La Concepción, Chile
BRAVO-ARANDA, J. A.; Granados-Muñoz, M. J.; Navas-Guzmán, F.; Guerrero-Rascado, J. L.; Fernández-Gálvez, J.; Olmo, F. J.; Alados-Arboledas, L.En: Book of abstracts WLMLA2013. pp. 1 - 3.
- 29** **Title of the work:** 72h-temporal evolution of lidar depolarization during CHARMEX
Name of the conference: 1st Iberian Meeting on Aerosol Science and Technology (RICTA2013)
Geographical area: European Union
City of event: Évora, Alentejo, Portugal
Date of event: 2013
End date: 2013
Organising entity: Universidad de Évora
BRAVO-ARANDA, J. A.; Granados-Muñoz, M. J.; Navas-Guzmán, F.; Guerrero-Rascado, J. L.; Olmo, F. J.; Alados-Arboledas, L.En: Book of abstracts RICTA2013.
- 30** **Title of the work:** Analysis of aerosol hygroscopic properties by combination of lidar, microwave radiometer and radiosounding data
Name of the conference: European Aerosol Conference
Geographical area: European Union
City of event: Praga, Czech Republic
Date of event: 2013
End date: 2013
Granados-Muñoz, M. J.; Navas-Guzmán, F.; BRAVO-ARANDA, J.A.; Guerrero-Rascado, J. L.; Valenzuela, A.; Fernández-Gálvez, J.; Alados-Arboledas, L.En: Book of abstracts EAC2013.
- 31** **Title of the work:** Application of active and passive remote sensing to study aerosol hygroscopic growth
Name of the conference: 1st Iberian Meeting on Aerosol Science and Technology
Geographical area: European Union
City of event: Évora, Alentejo, Portugal
Date of event: 2013
End date: 2013
Organising entity: Universidad de Évora
Granados-Muñoz, M. J.; Navas-Guzmán, F.; BRAVO-ARANDA, J. A.; Guerrero-Rascado, J. L.; Valenzuela, A.; Fernández-Gálvez, J.; Alados-Arboledas, L.En: Book of abstracts RICTA2013.



- 32** **Title of the work:** Bimodal particle concentration profile retrieved from ground-based Lidar and CIMEL measurements
Name of the conference: European Aerosol Conference
Geographical area: European Union
City of event: Praga, Czech Republic
Date of event: 2013
End date: 2013
Quirantes, A.; Olmo, F. J.; Valenzuela, A.; Granados-Muñoz, M. J.; Guerrero-Rascado, J. L.; BRAVO-ARANDA, J. A.; Navas-Guzmán, F.; Alados-Arboledas, L.En: Book of abstracts EAC2013.
- 33** **Title of the work:** Layer-by-layer concentration retrieval of an airborne two-component particle mixture from ground-based lidar and Cimel measurements
Name of the conference: 1st Iberian Meeting on Aerosol Science and Technology
Geographical area: European Union
City of event: Évora, Alentejo, Portugal
Date of event: 2013
End date: 2013
Organising entity: Universidad de Évora
Quirantes, A.; Olmo, F. J.; Valenzuela, A.; Granados-Muñoz, M. J.; Guerrero-Rascado, J. L.; BRAVO-ARANDA, J. A.; Navas-Guzmán, F.En: Book of abstracts RICTA2013.
- 34** **Title of the work:** Lidar depolarization evolution during the CHARMEX intensive field campaign
Name of the conference: European Aerosol Conference
Geographical area: European Union
City of event: Praga, Czech Republic
Date of event: 2013
End date: 2013
Bravo-Aranda, J. A.; Granados-Muñoz, M. J.; Navas-Guzmán, F.; Guerrero-Rascado, J. L.; Olmo, F. J.; Alados-Arboledas, L.En: Book of abstracts EAC2013.
- 35** **Title of the work:** An update on ChArMEEx (the Chemistry-Aerosol Mediterranean Experiment) activities and plans for aerosol studies in the Mediterranean region
Name of the conference: European Aerosol Conference
Type of event: Conference **Geographical area:** European Union
City of event: Granada, Andalusia, Spain
Date of event: 2012
End date: 2012
Dulac, F.; Team, Charmex; Alados-Arboledas, L.; BRAVO-ARANDA, J.A.; Granados-Muñoz, M. J.; Guerrero-Rascado, J.L.; Navas-Guzman, F. J.En: Book of abstracts EAC2012.
- 36** **Title of the work:** CLIMARENO-GRA 2011 campaign: Aerosol optical properties characterization from ground-based instrumentation
Name of the conference: European Aerosol Conference
Type of event: Conference **Geographical area:** European Union
City of event: Granada, Spain
Date of event: 2012
End date: 2012
BRAVO-ARANDA, J.A.; Navas-Guzman, F. J.; Andrey, J.; Granados-Muñoz, M. J.; Guerrero-Rascado, J. L.; Gil, M.; Lyamani, H.; Valenzuela, A.; Titos-Vela, G.; Fernández-Gálvez, J.; Olmo-Reyes, F. J.; Alados-Arboledas, L.En: Book of abstracts EAC2012.



- 37** **Title of the work:** CLIMARENO-GRA 2011 campaign: retrieval of vertically-resolved aerosol microphysical properties by lidar at daytime
Name of the conference: European Aerosol Conference
Type of event: Conference **Geographical area:** European Union
City of event: Granada, Spain
Date of event: 2012
End date: 2012
Guerrero-Rascado, J. L.; Granados-Muñoz, M. J.; Navas-Guzman, F. J.; BRAVO-ARANDA, J. A.; Olmo, F. J.; Andrey, J.; Gil, M.; Chaikovsky, A.; Wandinger, U.; Alados-Arboledas, L.En: Book of abstracts EAC2012.
- 38** **Title of the work:** Combined observations with multi-wavelength Raman lidars and sun photometers on the southern Iberian Peninsula
Name of the conference: European Aerosol Conference
Type of event: Conference **Geographical area:** European Union
City of event: Granada, Spain
Date of event: 2012
End date: 2012
Preißler, J.; BRAVO-ARANDA, J. A.; Wagner, F.; Granados-Muñoz, M. J.; Navas-Guzman, F. J.; Guerrero-Rascado, J. L.; Lyamani, H.; Alados-Arboledas, L.En: Book of abstracts EAC2012.
- 39** **Title of the work:** Detection of the stratospheric volcanic aerosol plume from the Nabro eruption in summer 2011 in the framework of SPALINET
Name of the conference: European Aerosol Conference
Type of event: Conference **Geographical area:** European Union
City of event: Granada, Spain
Date of event: 2012
End date: 2012
Guerrero-Rascado, J. L.; BRAVO-ARANDA, J. A.; Wagner, F.; Córdoba-Jabonero, C.; Molero, F.; Lange, D.; Granados-Muñoz, M. J.; Preißler, J.; Toledo, D.; Fernández, J. A.; Sicard, M.; Navas-Guzman, F. J.; Hernández, Y.; Silva, A. M.; Pujadas, M.; Comerón, A.; Nepomuceno Pereira, S.; Rocadenbosch, F.; Alados-arboledas, L.En: Book of abstracts EAC2012.
- 40** **Title of the work:** Optical properties of free tropospheric Aerosol from Multi-wavelength Raman Lidars over the Southern Iberian Peninsula
Name of the conference: 9th International Symposium on Tropospheric Profiling
Type of event: Conference **Geographical area:** European Union
City of event: L'Alquila, Italy
Date of event: 2012
End date: 2012
Preißler, J.; BRAVO-ARANDA, J. A.; Wagner, F.; Granados-Muñoz, M. J.; Navas-Guzman, F. J.; Guerrero-Rascado, J. L.; Lyamani, H.; Alados-Arboledas, L.En: Book of abstracts ISTP2012.
- 41** **Title of the work:** Retrieval of aerosol microphysical properties profiles by combination of Lidar and sun photometer measurements. Application to mineral dust and volcanic aerosols.
Name of the conference: European Aerosol Conference
Type of event: Conference **Geographical area:** European Union
City of event: Granada, Spain
Date of event: 2012
End date: 2012



Granados-Muñoz, M. J.; BRAVO-ARANDA, J. A.; Navas-Guzman, F. J.; Guerrero-Rascado, J. L.; Lyamani, H.; Chaikovsky, A.; Wagner, J.; Wandinger, U.; Olmo-Reyes, F. J.; Alados-Arboledas, L.En: Book of abstracts EAC2012.

- 42** **Title of the work:** Optical and microphysical characterization of volcanic sulphate particles in the lower troposphere by Raman lidar
Name of the conference: European Aerosol Conference
Geographical area: European Union
City of event: Granada, Andalusia, Spain
Date of event: 2012
End date: 2012
Navas-Guzmán, F. J.; Müller, D.; BRAVO-ARANDA, J. A.; Pérez-Ramírez, D.; Olmo, F. J.; Guerrero-Rascado, J. L.; Wandinger, U.; Alados-Arboledas, L.En: Book of abstracts EAC2012.
- 43** **Title of the work:** Towards a remote sensing tool for aerosol hygroscopicity studies combining lidar and passive microwave radiometry
Name of the conference: European Aerosol Conference
Geographical area: European Union
City of event: Granada, Andalusia, Spain
Date of event: 2012
End date: 2012
Navas-Guzmán, F. J.; BRAVO-ARANDA, J.A.; Granados-Muñoz, M. J.; Guerrero-Rascado, J. L.; Fernández-Gálvez, J.; Fernández, A. J.; Alados-Arboledas, L.En: Book of abstract EAC2012.
- 44** **Title of the work:** 4D distribution of the 2010 Eyjafjallajökull ash plume over Europe observed by the European Lidar network EARLINET
Name of the conference: EGU General Assembly 2011
Type of event: Conference **Geographical area:** European Union
City of event: Viena, Austria
Date of event: 2011
Pappalardo, G.; Alados-Arboledas, L.; Navas-Guzman, F. J.; BRAVO-ARANDA, J. A.En: Book of abstracts EGU2011.
- 45** **Title of the work:** Aerosol size distribution from inversion of solar radiances and measured at ground-level during SPALI10 campaign
Name of the conference: Global conference on global warming 2011
Type of event: Conference **Geographical area:** Non EU International
City of event: Lisboa, Portugal
Date of event: 2011
Fernández-Gálvez, J.; Guerrero-Rascado, J. L.; Molero, F.; Lyamani, H.; Revuelta, M. A.; Navas-Guzman, F. J.; Sastre, M.; BRAVO-ARANDA, J. A.; Fernández, A. F.; Granados-Muñoz, M. J.; Gómez-Moreno, F. J.; Olmo, F. J.; Pujadas, M.; Alados-Arboledas, L.En: Book of abstracts of the global conference on global warming 2011. pp. 33 - 33.
- 46** **Title of the work:** Aerosol size distribution study by airborne and ground-level in-situ measurements and remote sensing during EARLINET lidar intercomparison campaign: SPALI10
Name of the conference: European Aerosol Conference
Type of event: Conference **Geographical area:** European Union
City of event: Manchester, Inglaterra,
Date of event: 2011
Molero, F.; Andrey, J.; Preissler, J.; Navas-Guzmán, F.; Giunta, A.; Sicard, M.; Fernández, A. J.; Parrondo, M. C.; Wagner, F.; Granados-Muñoz, M.J.; D'Amico, G.; Tomás, S.; Pujadas, M.; Córdoba-Jabonero, M. C.;



Guerrero-Rascado, J. L.; Alados-Arboledas, L.; Amodeo, A.; Comerón, A.; Bravo-Aranda, J. A.; Pappalardo, G.; Kumar, D.; Mattis, I.; Freudenthaler, V.; Lange, D.; Giner, J.; Muñoz, C.; Rocadenbosch, F. En: Book of abstracts EAC2011. pp. 8P145 - 8P145.

- 47** **Title of the work:** Atmospheric aerosol characterization by dual lidar depolarization
Name of the conference: V Reunión de la asociación Española de Ciencia y Tecnología de Aerosoles.
Type of event: Conference **Geographical area:** National
City of event: Madrid, Spain
Date of event: 2011
BRAVO-ARANDA, J. A.; Navas-Guzman, F.; Granados-Muñoz, M. J.; Guerrero-Rascado, J. L.; Alados-Arboledas, L. En: Book of abstracts RECTA2011. pp. H2-1 - H2-6.
- 48** **Title of the work:** Multi-instrumental characterization of the mixing of Eyjafjallajökull volcanic aerosols and boundary layer aerosols at Granada, Spain
Name of the conference: European Aerosol Conference
Type of event: Conference **Geographical area:** European Union
City of event: Manchester, Inglaterra,
Date of event: 2011
Alados-Arboledas, L.; Navas-Guzman, F. J.; BRAVO-ARANDA, J. A.; Lyamani, H.; Pérez-Ramírez, D.; Guerrero-Rascado, J. L.; Foyo-Moreno, I.; Alados-Arboledas, I.; Granados-Muñoz, M. J.; Titos-Vela, G.; Fernández-Gálvez, J.; Valenzuela-Gutierrez, A.; Anton-Martínez, M.; Quirantes-Sierra, A. G.; Querol-Carceller, X.; Alastuey-Urós, A.; Olmo, F. J. En: Book of abstracts EAC2011. pp. 10B4 - 10B4.
- 49** **Title of the work:** Multi-instrumental detection of the mixing layer height over Granada
Name of the conference: V Reunión de la asociación Española de Ciencia y Tecnología de Aerosoles
Type of event: Conference **Geographical area:** National
City of event: Madrid, Spain
Date of event: 2011
Granados-Muñoz, M. J.; Navas-Guzman, F.; BRAVO-ARANDA, J. A.; Guerrero-Rascado, J. L.; Fernández-Gálvez, J.; Alados-Arboledas, L. "Multi-instrumental detection of the mixing layer height over Granada". En: Book of abstracts RECTA2011. pp. B5-1 - B5-6.
- 50** **Title of the work:** Study of ground-based vertical profiles of tropospheric aerosol in coincidence with calipso overpasses at Granada, Spain
Name of the conference: V Reunión de la asociación Española de Ciencia y Tecnología de Aerosoles
Type of event: Conference **Geographical area:** National
City of event: Madrid, Spain
Date of event: 2011
Navas-Guzman, F.; BRAVO-ARANDA, J. A.; Guerrero-Rascado, J. L.; Granados-Muñoz, M. J.; Alados-Arboledas, L. En: Book of abstracts RECTA2011. pp. D3-1 - D3-6.
- 51** **Title of the work:** Study on aerosol properties over Madrid (Spain) by multiple instrumentation during SPALI10 lidar campaign
Name of the conference: VI Workshop on Lidar Measurements in Latin America
Type of event: Conference **Geographical area:** Non EU International
City of event: La Paz, Bolivia
Date of event: 2011
Molero, F.; Fernández, A. F.; Pujadas, M.; Sicard, M.; Tomas, S.; Comeron, A.; Lange, D.; Kumar, D.; Muñoz, C.; Rocadenbosch, F.; Navas-Guzman, F. J.; Granados-Muñoz, M. J.; Alados-Arboledas, L.; BRAVO-ARANDA, J. A.; Preissler, J.; Wagner, F.; Guerrero-Rascado, J. L. En: Book of abstracts WLMLA2011. pp. 1 - 3.



- 52** **Title of the work:** Three years of Raman lidar measurements in correspondence with calipso overpasses over the south of the Iberian Peninsula
Name of the conference: European Aerosol Conference
Type of event: Conference **Geographical area:** European Union
City of event: Manchester, Inglaterra,
Date of event: 2011
Navas-Guzman, F. J.; BRAVO-ARANDA, J. A.; Guerrero-Rascado, J. L.; Granados-Muñoz, M. J.; Alados-Arboledas, L.En: Book of abstracts EAC2011. pp. 8P145 - 8P145.
- 53** **Title of the work:** Atmospheric aerosol characterization by lidar depolarization profiles
Name of the conference: 3rd International Symposium on Recent advances in Quantitative Remote Sensing
Type of event: Conference **Geographical area:** Non EU International
City of event: Torrent, Spain
Date of event: 2010
BRAVO-ARANDA, J. A.; Navas-Guzman, F. J.; Granados-Muñoz, M. J.; Alados-Arboledas, L.En: Book of abstracts RAQRS2010. 1, pp. 201 - 201.
- 54** **Title of the work:** Evaluation of two correction schemes of particle soot absorption photometer data
Name of the conference: IV Reunión Española de Ciencia y Tecnología de Aerosoles
Type of event: Conference **Geographical area:** National
City of event: Granada, Spain
Date of event: 2010
Lyamani, H.; Foyo-Moreno, I.; BRAVO-ARANDA, J.A.; Olmo-Reyes, F. J.; Alados-Arboledas, L.En: Book of abstracts RECTA2010. pp. E5 - E5.
- 55** **Title of the work:** Ground-based active and passive remote sensing of the Eyjafjallajökull volcanic aerosols at Granada, Spain
Name of the conference: 25th International Laser Radar Conference
Type of event: Conference **Geographical area:** Non EU International
City of event: San Petersburgo, Russia
Date of event: 2010
Alados-Arboledas, L.; Navas-Guzman, F. J.; BRAVO-ARANDA, J. A.; Lyamani, H.; Pérez-Ramírez, D.; Guerrero-Rascado, J. L.; Anton-Martínez, M.; Olmo-Reyes, F. J.En: Book of abstracts ILRC2010. pp. - - -.
- 56** **Title of the work:** Long-term air quality trends over Granada, Spain
Name of the conference: IV Reunión Española de Ciencia y Tecnología de Aerosoles
Type of event: Conference **Geographical area:** National
City of event: Granada, Spain
Date of event: 2010
BRAVO-ARANDA, J. A.; Lyamani, H.; Olmo-Reyes, F. J.; Vera, J.; Alados-Arboledas, L.En: Book of abstracts RECTA2010. pp. F8 - F8.
- 57** **Title of the work:** Monitoring of lofted aerosol layers of mineral desert dust with Raman lidar and a set of photometers at different altitudes
Name of the conference: IV Reunión Española de Ciencia y Tecnología de Aerosoles
Type of event: Conference **Geographical area:** National
City of event: Granada, Spain
Date of event: 2010
Olmo-Reyes, F. J.; Navas-Guzman, F. J.; Lyamani, H.; BRAVO-ARANDA, J. A.; Guerrero-Rascado, Juan. L.; Alados-Arboledas, L.En: Book of abstracts RECTA2010. pp. C11 - C11.



- 58** **Title of the work:** Monitoring of the Eyjafjallajökull ash plume at four lidar stations over the Iberian Peninsula: 6 to 8 may 2010
Name of the conference: IV Reunión Española de Ciencia y Tecnología de Aerosoles
Type of event: Conference **Geographical area:** National
City of event: Granada, Spain
Date of event: 2010
Sicard, M.; Guerrero-Rascado, J. L.; Molero, F.; Navas-Guzman, F. J.; Preissler, J.; Kumar, D.; BRAVO-ARANDA, J. A.; Tomas, S.; Reba, M. D.; Alados-Arboledas, L.; Comeron, A.; Pujadas, M.; Rocadenbosch, F.; Wagner, F.; Silva, A. M. En: Book of abstracts RECTA2010. pp. C15 - C15.
- 59** **Title of the work:** Monitoring of the Eyjafjallajökull volcanic ash plume at Granada, Spain, in the framework of earlinet and aeronet
Name of the conference: International Aerosol Conference
Type of event: Conference **Geographical area:** Non EU International
City of event: Helsinki, Finland
Date of event: 2010
Alados-Arboledas, L.; Navas-Guzman, F. J.; BRAVO-ARANDA, J. A.; Lyamani, H.; Pérez-Ramírez, D.; Guerrero-Rascado, J. L.; Olmo, F. J. En: Book of abstracts IAC2010. pp. - - -.
- 60** **Title of the work:** On the synergetic use of passive and active remote sensing for atmospheric aerosol radiative effect computations
Name of the conference: 25th International Laser Radar Conference
Type of event: Conference **Geographical area:** Non EU International
City of event: San Petersburgo, Russia
Date of event: 2010
Navas-Guzman, F. J.; Pérez-Ramírez, D.; Olmo, F. J.; Lyamani, H.; Guerrero-Rascado, J. L.; BRAVO-ARANDA J. A.; Alados-Arboledas, L. En: Book of abstracts ILRC2010. pp. 158 - 158.
- 61** **Title of the work:** Optical and microphysical properties of tropospheric aerosol from Raman lidar
Name of the conference: 3rd International Symposium on Recent Advances in Quantitative Remote Sensing
Type of event: Conference **Geographical area:** Non EU International
City of event: Torrent, Spain
Date of event: 2010
Navas-Guzman, F. J.; Muller, D.; Pérez-Ramírez, D.; Guerrero-Rascado, J. L.; BRAVO-ARANDA, J. A.; Alados-Arboledas, L. En: Book of abstracts RAQRS2010. pp. 203 - 204.
- 62** **Title of the work:** Seguimiento de las cenizas del Eyjafjalla sobre la Península Ibérica por la red de lidares hispano-portuguesa Spalinet
Name of the conference: X Congreso Nacional del Medio Ambiente
Type of event: Conference **Geographical area:** National
City of event: Madrid, Spain
Date of event: 2010
Sicard, M.; Comeron, A.; Molero, F.; Guerrero-Rascado, J. L.; Navas-Guzman, F. J.; Bolarín, J.M.; Rocadenbosch, F.; Tomas, S.; Kumar, D.; Pujadas, M.; Preissler, J.; Wagner, F.; BRAVO-ARANDA, J. A.; Alados-Arboledas, L.; Requena, A.; Silva, A. M. En: Documento Final del Grupo de Trabajo 21 de CONAMA10. pp. 10 - 17.
- 63** **Title of the work:** Study on the assumption of using a range-independent lidar ratio in elastic lidar
Name of the conference: 3rd International Symposium on Recent advances in Quantitative Remote Sensing



Type of event: Conference

Geographical area: National

City of event: Torrent, Spain

Date of event: 2010

Navas-Guzman, F. J.; Olmo-Reyes, F. J.; Guerrero-Rascado, J. L.; Lyamani, H.; BRAVO-ARANDA, J.A.; Alados-Arboledas, L.En: Book of abstracts RAQRS2010. pp. 204 - 205.

64 Title of the work: Study on the planetary boundary layer top with Raman lidar

Name of the conference: IV Reunión Española de Ciencia y Tecnología de Aerosoles

Type of event: Conference

Geographical area: National

City of event: Granada, Spain

Date of event: 2010

Navas-Guzman, F. J.; BRAVO-ARANDA, J. A.; Granados-Muñoz, M. J.; Guerrero-Rascado, J. L.; Alados-Arboledas, L.En: Book of abstracts RECTA2010. pp. C9 - C9.

65 Title of the work: Tracking the Eyjafjallajökull aged plume over Spain by instrumented aircraft

Name of the conference: International Aerosol Conference

Type of event: Conference

Geographical area: Non EU International

City of event: Helsinki, Finland

Date of event: 2010

Andrey, J.; Gil, M.; Molero, F.; BRAVO-ARANDA, J. A.; Serrano, O.; Molina, M.; Rus, J.; Marqués, B.En: Book of abstracts IAC2010. pp. - - -.

66 Title of the work: Vertical structure of the atmospheric aerosol derived from Raman lidar and a set of photometers at different altitudes

Name of the conference: International Aerosol Conference

Type of event: Conference

Geographical area: Non EU International

City of event: Helsinki, Finland

Date of event: 2010

Olmo, F. J.; Navas-Guzman, F. J.; Lyamani, H.; BRAVO-ARANDA, J. A.; Guerrero-Rascado, J. L.; Alados-Arboledas, L.En: Book of abstracts IAC2010. pp. - - -.

67 Title of the work: Airborne and ground based instrumentation comparison: closure study during capex project

Name of the conference: 8th International Symposium on Tropospheric Profiling: integration of needs, technologies and applications

Type of event: Conference

Geographical area: Non EU International

City of event: Delft, Holanda,

Date of event: 2009

Guerrero-Rascado, J. L.; Lyamani, H.; Silva, A. M.; Wagner, F.; Pereira, S.; Navas-Guzman, F. J.; BRAVO-ARANDA, J. A.; Alados-Arboledas, L.En: Book of abstracts ISTEP2009. pp. 194 - 194.

68 Title of the work: Atmospheric aerosol properties in an urban atmosphere: estio2005

Name of the conference: 8th International Symposium on Tropospheric Profiling: integration of needs, technologies and applications

Type of event: Conference

Geographical area: Non EU International

City of event: Delft, Holland

Date of event: 2009

Alados-Arboledas, L.; Horvath, H.; Querol, X.; Olmo, F. J.; Guerrero-Rascado, J. L.; Lyamani, H.; Navas-Guzman, F. J.; BRAVO-ARANDA, J. A.; Gangl, M.; Alastuey, A.En: Book of abstracts ISTEP2009. pp. 195 - 195.



- 69** **Title of the work:** Calibration of 1064nm-backscatter profiles with cirrus clouds for a multiwavelength Raman lidar
Name of the conference: III Reunión Española de Ciencia y Tecnología de Aerosoles
Type of event: Conference **Geographical area:** National
City of event: Bilbao, Spain
Date of event: 2009
Navas-Guzman, F. J.; Guerrero-Rascado, J. L.; BRAVO-ARANDA, J. A.; Lyamani, H.; Alados-Arboledas, L.En: Book or abstracts RECTA2009. pp. - - -.
- 70** **Title of the work:** Caracterización del aerosol atmosférico y gases contaminantes en el ambiente urbano de Granada
Name of the conference: III Reunión Española de Ciencia y Tecnología de Aerosoles
Type of event: Conference **Geographical area:** National
City of event: Bilbao, Spain
Date of event: 2009
Lyamani, H.; BRAVO-ARANDA, J. A.; Olmo-Reyes, F. J.; Vida-Manzano, J.; Alados-Arboledas, L.En: Book of abstracts RECTA2009. pp. - - -.
- 71** **Title of the work:** On the use cirrus clouds for elastic lidar calibration
Name of the conference: 5th Workshop Lidar Measurements in Latin America
Type of event: Conference **Geographical area:** Non EU International
City of event: Buenos Aires, Argentina
Date of event: 2009
Navas-Guzman, F. J.; Guerrero-Rascado, J. L.; BRAVO-ARANDA, J. A.; Alados-Arboledas, L.En: Book of abstracts WLMLA2009. pp. - - -.
- 72** **Title of the work:** Quality assurance at the earlinet Granada station: characterization of the optical subsystem for a multichannel Raman lidar
Name of the conference: 5th Workshop Lidar Measurements in Latin America
Type of event: Conference **Geographical area:** Non EU International
City of event: Buenos Aires, Argentina
Date of event: 2009
Guerrero-Rascado, J. L.; Navas-Guzman, F. J.; Díaz, J.A.; Díaz-Navas, J. A.; BRAVO-ARANDA, J. A.; Alados-Arboledas, L.En: Book of abstracts WLMLA2009. pp. - - -.

Works submitted to national or international seminars, workshops and/or courses

- 1** **Title of the work:** HSRL calibration and depolarization uncertainties
Name of the event: MESCAL Progress Review 3
Corresponding author: No
City of event: Toulouse, France
Date of event: 06/12/2016
End date: 09/12/2016
Organising entity: Centre Nationale d'Études Spaciales **Type of entity:** State agency
BRAVO-ARANDA, J.A.; Feofilov, A..
- 2** **Title of the work:** Aerosol properties over the Paris megacity monitored using a multi-wavelength Raman lidar
Name of the event: ACTRIS-2 2nd workshop
Corresponding author: Yes



City of event: Barcelona, Spain

Date of event: 09/11/2016

End date: 09/11/2016

Organising entity: Universitat Politècnica de Catalunya

Type of entity: University

BRAVO-ARANDA, J.A.; Pietras, C.; Lapouge, F.; Haeffelin, M..

3 Title of the work: Mixing layer height monitoring using backscatter lidars and others remote-sensing techniques

Name of the event: Grupe de Travaille « Turbulence et dynamique atmosferique »

Corresponding author: Yes

City of event: Palaiseau, Île de France, France

Date of event: 27/06/2016

End date: 27/06/2016

Organising entity: CNRS

Type of entity: Public Research Body

BRAVO-ARANDA, J.A.; Haeffelin, M.; Pietras, C..

4 Title of the work: La télédétection active par Lidar

Name of the event: Présentation officielle de la réseau française lidar de MétéoFrance

Corresponding author: Yes

City of event: Toulouse, France

Date of event: 15/03/2016

End date: 15/03/2016

Organising entity: MétéoFrance

Type of entity: State agency

BRAVO-ARANDA, J.A.; Haeffelin, M.; Pietras, C..

5 Title of the work: CNRS-IPSL Hi-performance multi-wavelength Raman lidar at SIRTa observatory

Name of the event: EECLAT workshop

Corresponding author: No

City of event: Carcassonne, France

Date of event: 28/01/2016

End date: 29/01/2016

Organising entity: Centre Nationale de la Recherche Scientifique

Type of entity: Public Research Body

Pietras, C.; BRAVO-ARANDA, J.A.; Lapouge, F.; Haeffelin, M.; Dupont, J.-C..

6 Title of the work: CNRS-IPSL Hi-performance multi-wavelength Raman lidar at SIRTa observatory: status, results and future plans within ACTRIS-2

Name of the event: ACTRIS-2 1st workshop

Corresponding author: No

City of event: Leipzig, Germany

Date of event: 25/11/2015

End date: 25/11/2015

Organising entity: Leibniz Institute for Tropospheric Research

Pietras, C.; BRAVO-ARANDA, J.A.; Lapouge, F.; Haeffelin, M.; Dupont, J.-C..

7 Title of the work: Fully automated algorithm for lidar PBL height detection at ICOS-atmospheric stations: STRAT+ improvements and application

Name of the event: CEILINEX 2015 working group

Corresponding author: Yes

City of event: Múnich, Germany

Date of event: 08/10/2015

End date: 09/10/2015

Organising entity: DWD

BRAVO-ARANDA, J.A.; Haeffelin, M.; Pietras, C..

Type of entity: State agency

8 Title of the work: Assessment of lidar depolarization uncertainties by means of lidar polarizing sensitivity simulator

Name of the event: 3rd Joint ACTRIS WP2 / WP20 Workshop

Type of event: Workshop

Reasons for participation: Speaker

City of event: Limassol, Cyprus

Date of event: 27/11/2013

Organising entity: Cyprus University of Technology **Type of entity:** University

City organizing entity: Limassol, Cyprus

9 Title of the work: Depolarisation calibration of MULHACEN lidar system

Name of the event: 2nd Joint ACTRIS WP2 / WP20 Workshop

Type of event: Workshop

Reasons for participation: Speaker

City of event: Lecce, Italy

Date of event: 27/11/2013

Organising entity: University of Salento

City organizing entity: Lecce, Italy

10 Title of the work: Improving the automatic determination of the planetary boundary layer height using lidar depolarization

Name of the event: 3rd Joint ACTRIS WP2 / WP20 Workshop

Type of event: Workshop

Reasons for participation: Speaker

City of event: Limassol, Cyprus

Date of event: 27/11/2013

Organising entity: Cyprus University of Technology **Type of entity:** University

City organizing entity: Limassol, Cyprus

11 Title of the work: Luz polarizada para caracterizar el aerosol atmosférico

Name of the event: La noche de los investigadores

Reasons for participation: Speaker

Geographical area: National

City of event: Granada, Andalusia, Spain

Date of event: 28/09/2012

Organising entity: Universidad de Granada

Type of entity: University

12 Title of the work: Granada station. SPALI10: Technical results

Name of the event: EARLINET-ASOS workshop

Type of event: Workshop

Reasons for participation: Speaker

City of event: Évora, Portugal

Date of event: 11/02/2011

Organising entity: Universidad de Évora

Type of entity: University

City organizing entity: Évora, , Portugal



- 13** **Title of the work:** Lidar upgrade: about old problems and new solutions
Name of the event: Ciclo de seminarios del GFAT
Type of event: Seminar
Geographical area: Universitario
City of event: Granada, Andalusia, Spain
Date of event: 19/03/2010
Organising entity: Fisica Aplicada **Type of entity:** University Department

Other dissemination activities

- 1** **Title of the work:** L'observatoire SIRTAs: divulgation scientifique
Name of the event: Fête de la science
Type of event: Fairs and exhibitions
Corresponding author: No
City of event: Palaiseau, 08/10/2016, France
Date of event: 08/10/2016
Organising entity: École Polytechnique **Type of entity:** University
Bastida, I.; Badosa, J.; BRAVO-ARANDA, J.A.; López-Franco, J.; Drouin, M.A.; Pietras, C..
- 2** **Title of the work:** L'observatoire SIRTAs: le role des mesures scientifiques dans les prévision du changement climatique
Name of the event: Conferencia de las Naciones Unidas sobre Cambio Climático 2015 (COP21)
Type of event: Fairs and exhibitions **Geographical area:** Non EU International
Corresponding author: No
City of event: París, 07/12/2015, France
Date of event: 07/12/2015
Bastida, I.; Badosa, J.; BRAVO-ARANDA, J.A.; Pietras, C.; Haefelin, M..

R&D management and participation in scientific committees

Evaluation and revision of R&D projects and articles

- 1** **Name of the activity:** Revisor de artículos en Atmospheric Measurements and Phicis en 2016
Performed tasks: Revisor de artículos en Atmospheric Measurements and Phicis en 2016
Entity where activity was carried out: Atmospheric Measurements and Physics
Type of activity: Review of articles in scientific or technological journals
Geographical area: Non EU International
Start-End date: 2016 - 2016
- 2** **Name of the activity:** Revisor de artículos en Applied Optics en 2014
Performed tasks: Revisor de artículos en Applied Optics en 2014
Entity where activity was carried out: Applied Optics
Type of activity: Review of articles in scientific or technological journals
Geographical area: Non EU International
Start-End date: 2014 - 2014



- 3 Name of the activity:** Revisor de artículos en International Journal of Remote Sensing en 2011
Performed tasks: Revisor de artículos en International Journal of Remote Sensing en 2011
Entity where activity was carried out: International Journal of Remote Sensing
Type of activity: Review of articles in scientific or technological journals
Geographical area: Non EU International
Start-End date: 2011 - 2011

Other achievements

Stays in public or private R&D centres

- 1 Entity:** Centro de Óptica y Fotónica (CEFOP) **Type of entity:** University Research Institute
Faculty, institute or centre: Instituto
City of entity: Concepción, Chile
Start-End date: 01/05/2014 - 30/06/2014 **Duration:** 2 months
Goals of the stay: Post-doctoral
- 2 Entity:** Romanian Atmospheric 3D Observatory **Type of entity:** Public Research Body
City of entity: Bucharest, Romania
Start-End date: 11/09/2013 - 10/10/2013 **Duration:** 1 month
Name of programme: Transnational Access (TNA)
Goals of the stay: Doctorate
Provable tasks: Mejora de los sistemas de calibración de sistemas lidar
- 3 Entity:** Ludwig-Maximilian Universität **Type of entity:** University
Faculty, institute or centre: Meteorologische Institut
City of entity: München, Germany
Start-End date: 01/06/2012 - 31/08/2012 **Duration:** 3 months
Goals of the stay: Doctorate
Provable tasks: Aplicación del formulismo Stokes-Müller a sistemas lidar: análisis teórico y práctico de la calibración de la despolarización

Obtained grants and scholarships

- 1 Name of the grant:** Beca de Formación de Profesorado Universitario (F.P.U.)
Aims: Pre-doctoral
Awarding entity: Ministerio de Educación y Ciencia
Conferral date: 03/12/2010 **Duration:** 4 years
End date: 03/12/2014
- 2 Name of the grant:** Convocatoria extraordinaria de movilidad internacional de estudiantes de doctorado
Aims: Pre-doctoral
Awarding entity: Universidad de Granada **Type of entity:** University
Conferral date: 01/06/2012 **Duration:** 3 months
End date: 30/08/2012



- 3 Name of the grant:** Programa Becas Iberoamérica, Jóvenes Profesores e Investigadores, Santander Universidades[®] (España, 2013) para realizar una estancia en el Centro de Óptica y Fotónica de la Universidad de Concepción (Chile). Cantidad: 5000€
Aims: Post-doctoral
Awarding entity: Banco Santander, S.A.
Conferral date: 30/05/2013 **Duration:** 2 months

Co-operation networks

- 1 Name of the network:** Integrated Carbon Observatory System (ICOS)
Identification of the network: <http://www.icos-infrastructure.eu/>
Start date: 02/02/2015 **Duration:** 1 day
- 2 Name of the network:** Aerosols, Clouds, and Trace gases Research InfraStructure Network (ACTRIS)
Identification of the network: <http://www.actris.net/>
Start date: 01/04/2011
- 3 Name of the network:** Spanish and Portuguese Aerosol Lidar Network (SPALINET)
Identification of the network: <http://www.lidar.es/spalinet/es/>
Start date: 01/11/2009
- 4 Name of the network:** Aerosol Robotic Network (AERONET)
Identification of the network: <http://aeronet.gsfc.nasa.gov>
Start date: 01/06/2008
- 5 Name of the network:** European Aerosol Lidar Network (EARLINET)
Identification of the network: <http://www.earlinet.org/>
Start date: 01/06/2008

Prizes, mentions and distinctions

- 1 Description:** Certificado de Excelencia por el trabajo presentado en la ITARS Summer School
Awarding entity: ITARS project
City awarding entity: Bucharest, Romania
Conferral date: 04/10/2013
- 2 Description:** Premio al mejor póster en el congreso RICTA2011 por el póster titulado "72h-temporal evolution of lidar depolarization during CHARMEX" autores: J.A. BRAVO-ARANDA, M.J. Granados-Muñoz, F. Navas-Guzmán, J.L. Guerrero-Rascado, F. Olmo and L. Alados-Arboledas
Awarding entity: AECTA
City awarding entity: Évora, Alentejo, Portugal
Conferral date: 03/07/2013



Obtained accreditations/recognitions

- 1** **Description:** Profesor Ayudante Doctor
Accrediting entity: Agencia Nacional de Evaluación de la Calidad y Acreditación (ANECA)
Date of recognition: 11/05/2015
- 2** **Description:** Profesor Contratado Doctor
Accrediting entity: Agencia Nacional de Evaluación de la Calidad y Acreditación (ANECA)
Date of recognition: 11/05/2015
- 3** **Description:** Profesor de Universidad Privada
Accrediting entity: Agencia Nacional de Evaluación de la Calidad y Acreditación (ANECA)
Date of recognition: 11/05/2015

Summary of other achievements

- 1** **Description of the achievement:** ACTRIS Transnational Access coordinator at SIRTA station
Accrediting entity: École Polytechnique **Type of entity:** University
City accrediting entity: Palaiseau, Île de France, France
Conferral date: 2017
- 2** **Description of the achievement:** Participación en el «ACTRIS-2 2nd workshop and Collocated Meetings», organizado por la red EARLINET y ACTRIS-2 en Barcelona (España) del 7 al 11 de Noviembre de 2016.
Accrediting entity: Universitat Politècnica de Catalunya **Type of entity:** University
City accrediting entity: Barcelona, Catalonia, Spain
Conferral date: 11/11/2016
- 3** **Description of the achievement:** Participación en el «Special workshop group meeting», organizado por la Acción COST TOPROF (ES1303) en Múnich (Alemania) del 8 al 9 de Octubre de 2015.
Accrediting entity: Deutscher Wetterdienst **Type of entity:** State agency
City accrediting entity: Múnich, Germany
Conferral date: 15/10/2016
- 4** **Description of the achievement:** Participación en el «2nd ACTRIS-2 General meeting», organizado por el proyecto ACTRIS-2 en Frascati (Italia) del 29 al 4 de Marzo de 2016.
Accrediting entity: European Space Research Institute **Type of entity:** Public Research Body
City accrediting entity: Frascati, Italy
Conferral date: 04/03/2016
- 5** **Description of the achievement:** Participación en la «ICOS-INWIRE European FP7 project final meeting» en París (Francia) del 20 al 21 de Enero de 2016.
Accrediting entity: Laboratoire des Sciences du Climat et de l'Environnement **Type of entity:** University
City accrediting entity: Gif sur Yvette, Île de France, France
Conferral date: 20/01/2016



- 6** **Description of the achievement:** Participación en el «ACTRIS-2 1st workshop and Collocated Meetings», organizado por la red EARLINET y ACTRIS-2 en Leipzig (Alemania) del 23 al 27 de Noviembre de 2015.
Accrediting entity: Leibniz Institute for Tropospheric Research
Type of entity: Public Research Body
City accrediting entity: Leipzig, Germany
Conferral date: 27/11/2015
- 7** **Description of the achievement:** Participación en el «X EARLINET General Assembly and the ACTRIS 3rd Joint WP2-WP20 workshop», organizado por la red EARLINET y ACTRIS en Limassol (Cyprus) del 26 al 29 de Noviembre de 2013.
Accrediting entity: Cyprus University of Technology
Type of entity: University
Conferral date: 29/11/2013
- 8** **Description of the achievement:** Participación en el «IX EARLINET General Assembly and the ACTRIS 2nd Joint WP2-WP20 workshop», organizado por la red EARLINET y ACTRIS en Lecce (Italia) del 1 al 5 de Octubre de 2012.
Accrediting entity: University of Salento
Conferral date: 05/10/2012
- 9** **Description of the achievement:** Participación en el «VIII EARLINET General Assembly and the ACTRIS 1nd Joint WP2-WP20 workshop», organizado por la red EARLINET y ACTRIS en Garmisch-Partenkirche del 29 de Noviembre al 1 de Diciembre de 2011.
Accrediting entity: Institute for Meteorology and Climate Research - Atmospheric Environmental Research
Type of entity: Public Research Body
Conferral date: 01/12/2011
- 10** **Description of the achievement:** Curso: «Estrategias de comunicación científica y Gestión de proyectos. I Edición»
Accrediting entity: Universidad de Granada
Type of entity: University
City accrediting entity: Granada, Andalusia, Spain
Conferral date: 23/02/2011
- 11** **Description of the achievement:** Participación en el «10th EARLINET-ASOS workshop», organizado por la red EARLINET en Évora (Portugal) del 7 al 10 de Febrero de 2011
Accrediting entity: University of Évora
Conferral date: 10/02/2011
- 12** **Description of the achievement:** Participación en el «4th SPALINET workshop», organizado por la red SPALINET en Barcelona (España) el 25 de Noviembre de 2010
Accrediting entity: Universitat Politècnica de Catalunya
Type of entity: University
Conferral date: 25/11/2010
- 13** **Description of the achievement:** Participación en la «EARLINET-ASOS SPALI10 intercomparison measurement campaign», organizada por la red EARLINET (European Aerosol Research Lidar Network) realizada en Madrid (España) del 18 de Octubre al 5 de Noviembre de 2010
Accrediting entity: Centro de Investigaciones Energéticas, Medioambientales y Tecnológicas
Type of entity: Public Research Body
Conferral date: 05/11/2010



- 14** **Description of the achievement:** Asistencia: «I Jornada de Promoción de la Investigación en la Universidad de Granada»
Accrediting entity: Universidad de Granada **Type of entity:** University
City accrediting entity: Granada, Andalusia, Spain
Conferral date: 24/11/2009
- 15** **Description of the achievement:** Participación en el «7th EARLINET-ASOS workshop», organizado por la red EARLINET en Madrid (España) del 9 al 11 de Febrero de 2009
Conferral date: 11/02/2009