



MINISTERIO
DE CIENCIA
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EXCELENCIA
SEVERO
OCHOA
01-07-2018 A 30-06-2022



CSIC
CONSEJO SUPERIOR DE INVESTIGACIONES CIENTÍFICAS
INSTITUTO DE ASTROFÍSICA
DE ANDALUCÍA (IAA)

Meeting on Light Pollution: Challenges and Responses for Monitoring it

Granada. 14 y 15 de noviembre

Instituto de Astrofísica de Andalucía. Assembly hall.

The Meeting

Light pollution has a direct impact on the environment, on astronomical observations and on the starry sky as a heritage resource of humanity. Excessive light confuses the biological clocks of humans, animals and plants with its spectral composition similar to daylight. As a result, it makes it difficult to distinguish between day and night and between the seasons to which living organisms are physiologically attuned.

Light pollution is therefore an environmental problem caused by the inappropriate use of artificial light (the pollutant) with a strong transboundary character because, under the right conditions, light can spread up to hundreds of kilometres away from its source. It can therefore affect habitats far away from the pollutant sources.

For this reason, the Ministry of Science and Innovation of the Spanish government, through the Instituto de Astrofísica de Andalucía of the Consejo Superior de Investigaciones Científicas, is organising, in collaboration with the Spanish Network of Studies on Light Pollution, this international scientific meeting dedicated to addressing the pressing issues surrounding light pollution and its monitoring, which is a matter of significant environmental and legal concern.

The meeting will be held in the Assembly Hall of the Instituto de Astrofísica de Andalucía on 14-15 November 2023.

Advisory Committee

Alejandro Sánchez (Head of AC)
Salvador Bará
Jaime Zamorano
Helena Vancova
Frank Holker
Andreas Jechow
Kevin Gaston
Manolis Kogevas
Karolina Zielińska-Dąbkowska
Toñi Varela
Fabio Falchi

Benedikt Huggins
Yana Yakushina
Susana Martín
David Galadí
Paco Colomer

Local Organizing Committee

Alicia Pelegrina (Head of LOC)
Antxon Alberdi
Francisco Javier Moreno
Fuentes
Jose Manuel Vílchez
Jose Luis Ortíz
Susana Martín
Máximo Bustamante
Emilio García
Celia Navas



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Preliminary Program

November 14th, Tuesday

08.30 Registration

09.00 Welcome

Antxon Alberdi, director of the Instituto de Astrofísica de Andalucía (IAA-CSIC)
Francisco Colomer, Ministry of Science and Innovation of Spain
Jesús Gallego, Red Española de Estudios de Contaminación Lumínica

Session 1: Why light pollution needs to be monitored

Chair: Jesús Gallego (UCM)

This session will delve into the legal frameworks and environmental imperatives driving the need for vigilant monitoring of light pollution.

09.30-10.30 Presentations

Susana Martín (IAA-CSIC)
Airam Rodríguez (MCN-CSIC)
Yana Yakushina (Ghent Univ.)

10.30-11.00 Coffee

11.00-11.15 The perspective of the impact of satellites on observatories

Piero Benvenuti (IAU)

11.15-13.00 Discussion

13.00 Lunch

Session 2: Ground-based light pollution monitoring

Chair: Jose Manuel Vilchez (IAA-CSIC)

Experts will share methodologies and latest technologies employed in measuring light pollution at the terrestrial level.

15.30-16.30 Presentations

Jaime Zamorano (UCM)
Salvador Bará (USC)



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16.30-17.00 Coffee

17.00-19.00 Discussion

20.30 Dinner

November 15th, Wednesday

Session 3: Satellite Monitoring of Light Pollution

Chair: Yana Yakushina (Ghent Univ.)

This session will focus on the advancements in satellite technology aiding in the monitoring of light pollution from space.

09.30-10.30 Presentations

Alejandro Sánchez de Miguel (UCM)

Monika Kuffer (Univ. Tünte)

10.30-11.00 Coffee

11.00-13.00 Discussion

13.00 Lunch

Session 4: Needs for Modelling Light Pollution

Chair: Alicia Pelegrina (IAA-CSIC)

Discussions in this session will centre around the requirements and strategies for accurate modelling of light pollution to aid in policy formulation and implementation.

15.30-16.30 Presentations

Salvador Bará (USC)

16.30-17.00 Coffee

17.00-18.00 Discussion

18.00-18.45 Closing Session: Intervention on European legislation

Anna Paskova (Gov. Czech Rep.)



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Registration

How to register?

To formalize the participation you must fill in the mandatory fields in the registration [form](#).

Recommended hotels

- Hotel Abades Nevada Palace y Abades Recogidas
- Hotel Maciá Monasterio de los Basilios
- Hotel Maciá Five Senses
- Hotel Saray

How to get to Granada?

Airports

Federico García Lorca Airport (Granada)

Federico García Lorca Airport is currently connected by six daily flights to Madrid and three daily flights to Barcelona. It is located 15km from the city centre, with buses to and from each flight.

Check [here](#) all airlines connections with Granada.

Pablo Picasso Airport (Málaga)

The Pablo Picasso International Airport is located approximately 130km from Granada, connected to every European city with regular daily flights and can be reached in just over one hour by car or bus. A direct bus to Granada leaves directly from the terminal. [Information](#) on buses from/to airports Granada and Málaga:

Train

Granada can be reached by high speed trains and medium distance trains.
For information, timetables and destinations see: <https://www.renfe.com/es/en>

Bus

Granada can be easily reached by bus. For information, timetables and destinations see:
<https://www.alsa.com/en/web/bus/home>



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