Collaborators:

Additional information:
All activities are free of charge, transportation included. For any clarification, please contact "Friends of Calar Alto" Association at the electronic address: amigoscalaraldo@gmail.com

You can register for the meeting before April the 20th 2018, indicating if you wish to attend the complementary activities

More information and registration: www.juntadeandalucia.es/medioambiente/defensaoscuridadnatural

Almería Museum
Carretera de Ronda, 91
O4005
Almería (Spain)

INTERNATIONAL MEETING
IN DEFENCE OF THE NATURAL DARKNESS OF NIGHT
APRIL 27TH - 28TH
ALMERÍA MUSEUM
**PROGRAMME**

**April 27th 2018**

**TECHNICAL MEETING AND BUSINESS FAIR**

**09:00**. Inaugural act

**1ST SESSION. LOSS OF THE NATURAL DARKNESS OF NIGHT: IMPLICATIONS**

**09:30**. Light pollution: general concepts  
Fernando Jáuregui, Pamplona Planetarium.

**10:00**. Light pollution measurement  
Jaime Zamorano, Stars4All and Complutense University of Madrid

**10:30**. Effects on the natural environment  
Ángel Morales, Valencia University.

**11:00**. Effects on human health  
Mª Ángeles Rol de Lama, Cronolab, Murcia University

**11:30**. Coffee break / Visit to the business fair on lighting, consultancy and astro-tourism

**2nd SESSION. THE ANDALUSIAN NIGHT SKY: TOOLS TO PRESERVE THE NATURAL DARKNESS OF NIGHT**

**12:00**. Sky quality and the strategy of the Andalusian Government for its preservation  
Ángela Ranea, Regional Ministry of Environment and Spatial Planning, Government of Andalusia

**12:30**. Engineering for sustainable lighting  
Antonio Hurtado, Granada city hall

**13:00**. Round table. Defending the night in a complex society  
Ángela Ranea, Óscar Corcho, Jesús Aceituno and Antonio Hurtado.

**14:00**. Visit to the business fair on lighting, consultancy and astro-tourism

**3rd SESSION. MEASUREMENT AND MODELLING TECHNIQUES. INTERNATIONAL COOPERATION INITIATIVE**

**16:00**. The artificial sky brightness and professional astronomy  
Alicia Pelegrina, Office for Sky Quality, Astrophysical Institute of Andalusia

**16:30**. Models for the analysis of artificial sky brightness  
Salvador Bará, Santiago de Compostela University

**17:00**. The European project Stars4All  
Óscar Corcho, Stars4All and Polytechnical University of Madrid

**COMPLEMENTARY ACTIVITIES**

**April 26th 2018**

**VISIT TO CABO DE GATA-NÍJAR NATURAL PARK**

**20:00**. Departure to the Park (to La Isleta del Moro or to Rodalquilar

**21:00**. Introductory talks:  
Astronomy and the Park  
Iñaki García, Astronomía Cabo de Gata.

Light pollution and the environment  
Sibylle Schroer, Stars4All.

Refreshment offered by Nijar City Hall

Observing session: naked eye observation of the sky.

**23:00**. Departure to Almería

**April 27th 2018**

**From 11:00 to 13:00. Activities at schools**  
Óscar Corcho and Miquel Serra (Stars4All).

**VISIT TO CALAR ALTO OBSERVATORY**

**18:00**. Departure to the Observatory

**19:00**. Visit to Calar Alto facilities and refreshment offered by Calar Alto Observatory

**22:00**. Observation at the 1.23 m telescope

**23:30**. Departure to Almería