



10<sup>th</sup> Anniversary of the Starlight Declaration

# PRESERVING the SKIES

La Palma, Spain 18<sup>th</sup> to 21<sup>st</sup>, 2017

Meeting Programme



STARLIGHT

# Tuesday 18th

18:30

Inauguration of Starlight Exhibition  
promoted by CajaCanarias Foundation  
Calle O'Daly

19:30

Registration & Welcome reception  
Casa Salazar

# Wednesday 19th

## Teatro Circo de Marte

08:50

Brief address from the organisers

09:00 - 11:00

### **Preserving the cultural values of Starlight (Panel 1)** **Moderator: F. Sánchez (IAC)**

- J. Belmonte (IAC): *Land- and skyscape at the framework of the Astronomy and World Heritage Initiative*
- C. Smith (AURA): *Preserving dark skies in Chile: challenges and opportunities*
- C. Walker (NOAO): *Keeping the Stars in Our Eyes: outreach campaigns and education*
- M. Smith (CTIO): *Windows to the Universe*

11:00 - 11:30

Coffee

11:30 - 12:30

- J. Franco (UNAM): *Dark skies in the Prehispanic Cultures*
- J. A. González Hernández (Cielos La Palma): *La Palma, living with the Universe*
- L. L. Martín Rodríguez (F. Galileo Galilei): *An open hardware/software device for sky quality monitoring*
- S. Cavazzani (Padova): *Satellite study of light emission from 1992 to 2013 at Canary Islands*
- G. Rodríguez (Chile): *Políticas de gobierno para la protección de los cielos oscuros y silenciosos: la experiencia de Chile*

12:45 - 13:30

Group Meeting at Casa Salazar (Panel 1)  
Convener: J.M. R. Espinosa

13:30

Buffet Lunch (Santo Domingo Square)

15:50 - 17:00

### **Preserving Biodiversity and human well-being (Panel 2)** **Moderator: J. Franco (UNAM)**

- S. Ortolani (Padova): *The light pollution evolution and the impact on astronomy*
- M.R. Cárdenas (UNESCO-MaB): *UNESCO's Man and the Biosphere Programme (MAB) and Starlight Initiative*
- D. Welch (DSAG-IUCN): *Dark Skies and Protected Areas, 10 years after*
- A. Sánchez de Miguel (IAA): *Ten years of evolution of Night time satellite pictures: from energy consumption (B&W) to environmental impact maps with colour images.*

17:00 - 17:30

Coffee

17:30 - 19:00

- R. D. Gregory (UCL) *The effects of light pollution on bird populations*
- A. García (ISGlobal): *Evaluating the association between artificial light-at-night exposure and breast and prostate cancer risk*
- O. López Cruz (INAOE): *Radio-quiet Islands*
- S. Schroer & Franz Hölker: *Research about light pollution - a highly transdisciplinary approach.*
- J. Zamorano (UCM): *The STARS4ALL night sky brightness photometer*

19:00 - 19:30

Group Meeting at Casa Salazar (Panel 2)  
Convener: F. Comerón

19:00 - 19:20

Public Talk (Teatro Circo de Marte)  
**Romano Corradi (GTC): *Fireflies, stars and city lights***

20:00

Guided City Tour and cocktail

# Thursday 20th

## Teatro Circo de Marte

09:00 - 11:00

### New Technologies in Astronomy and Intelligent Lightings (Panel 3) Moderator: Angel Otarola (TMT)

- C. Muñoz Tuñón (IAC) & Chris Benn (ING): *Getting the most from observing sites: Lasers at Observatories*
- C. Dumas (TMT): *Lasers for the future: The TMT case.*
- A. Otarola (TMT): *Laser Collision avoidance: Coordination Strategies*
- F. Falchi (ISTIL): *A necessary (and sufficient?) set of rules to win light pollution*
- J. Díaz Castro & F. de la Paz (IAC): *Pioneering protection and innovation in lightening: The case of La Palma*
- M. Aube (Sherbrooke): *Why color matters? Monitoring the effects of the LED outdoor lighting revolution*

11:00 - 11:30

Coffee

11:30 - 12:15

- M. Gandolfo (Phillips): *TBA*
- J. Masbernat (iGuzzini): *Cultura y recursos tecnológicos al servicio de la lucha contra la contaminación lumínica*
- R. Llorens Soler (IGNIALIGHT): *LED Streetlighting for Dark Sky Protected Areas*

12:30 - 13:30

Group Meeting at Casa Salazar (Panel 3)  
Convener: C. Muñoz Tuñón

13:30 - 15:00

Buffet Lunch (Plaza Santo Domingo)

15:00 - 16:30

### Starry skies as a driver for sustainable development (Panel 4) Moderator: Silvia Torres (IAU)

- N. Sanz (UNESCO-Mexico): *Starlight and the UN ODS goals*
- Y. Perdomo (UNWTO): *Science and sustainable tourism*
- A. M. Varela (IAC): *Ten years of commitment: The Starlight Foundation*

16:30 - 17:00

Coffee

17:00 - 18:30

- A. Castañeda (Cabildo de La Palma): *Pioneering Astro-Tourism in La Palma*
- S. Ribas & J. Vilajoliu (Parc Astronomic del Montsec): *TBA*
- K. von Schauroth & J. Hattenbach (ATHOS Star Campus): *The Athos Star Campus:45*
- S. Malón Giménez (Lumínica Ambiental): *Outdoor lighting good practices in Starlight territories*
- F. Ávila (UNAM): *The Dark Sky Office in Baja California*
- I. Celino, G. Re Calgari & A. Fiano (CEFRIEL): *Night Knights: creating awareness on light pollution through games*
- A. Bertolo (ARPA): *Light pollution: role and activity of environmental protection agency of Veneto - Italy*

18:45 - 19:30

Group Meeting at Casa Salazar (Panel 4)  
Convener: C. Marín

18:45 - 19:30

Group Leaders at Casa Salazar get together  
Chair: C. Marín

20:15

Conference dinner at the Club Náutico, Santa Cruz

22:00 - 23:00

World Starlight Night (I). Lights out in Santa Cruz.  
Astronomical activities (Details TBA)

# Friday 21st

## Starlight Day. Looking Ahead

Moderator: A. Vanoostende (Cabildo de La Palma)

### Teatro Circo de Marte

09:30

•High School Talks (by Students and Teachers, coordinated by M. Serra, D. García y J.C. Pérez Arencibia)

11:00

•Round Table (F. Comerón, C. Marín, C. Muñoz Tuñón, J.M. Rodríguez Espinosa)

12:00

•Final Conclusions (A. Pestana; R. Rebolo, S. Torres-Peimbart, F. Sánchez, N. Sanz y Y. Perdomo)

13:00

Cocktail at Casa Salazar (Provided by the IES Hotel School Las Nieves)

15:00 - 21:00

Visit to the Observatorio del Roque de Los Muchachos

16:00 - onwards

**Starlight Celebration** (see complementary activities)

# Complementary Activities

## **Starlight Exhibition promoted by CajaCanarias Foundation**

Calle O'Daly  
18–25 April  
Calle O'Daly

## **Exhibitions at Casa Salazar**

- Entries for the Children's Drawing Competition
  - "The Divine Presence" by Andrés Acosta
  - "Women for a stellar island"
- 18–25 April

## **Public Talk "Fireflies, stars and city lights" (just in Spanish), presented by Romano Corradi (GTC)**

Teatro Circo de Marte  
19 April  
19:00–20:00h

## **Cinema Season: About the Universe**

11:00h Teatro Cine Chico – Children's Matinée  
19:00h Sala Fundación CajaCanarias – Public Showing  
19 and 20 April

## **World Starlight Night (I). Lights out in Santa Cruz.**

### **Astronomical activities (Details TBA)**

Plaza de España  
20 April  
22:00–23:00h

## **Astrotourism meeting**

Local Government (Cabildo) of La Palma  
21 April  
16:00–20:00h

## **Award of prizes for the Children's Drawing Competition**

Casa Salazar  
21 April  
17:00h

## **Outreach activities with a sky theme: Puppet Show**

Casa Salazar de S/C de La Palma  
21 April  
From 17:30h onwards

## **World Starlight Night (II). Lights out in all the island's municipalities, with astronomical observations and musical events: Turn out the lights and switch on the stars!**

Specific areas will turn off the lights for astronomical activities.  
21 April  
22:00–23:00h

## **Meeting to photograph the dusk sky, organized by the Afoto Association of La Palma**

El Charcón-Playa Nueva area in Tazacorte  
22 April  
19:00h

## **Presentation of Stars of La Palma Cinema Festival**

Cabildo Insular in Santa Cruz de La Palma  
24 April  
12:00h

## **Workshop: "Design thinking: creativity and innovation in astrotourism" (just in Spanish), presented by Consuelo Verdú and organized by the FYDE CajaCanarias Foundation**

Espacio Cultural CajaCanarias La Palma  
24 and 25 April  
17:00–21:00h



Gobierno  
de Canarias



[www.iac.es/preservingskies2017](http://www.iac.es/preservingskies2017)

