



The astrotourism: driver of sustainable local economy, emerging in COVID time







Dra, A.M. Varela

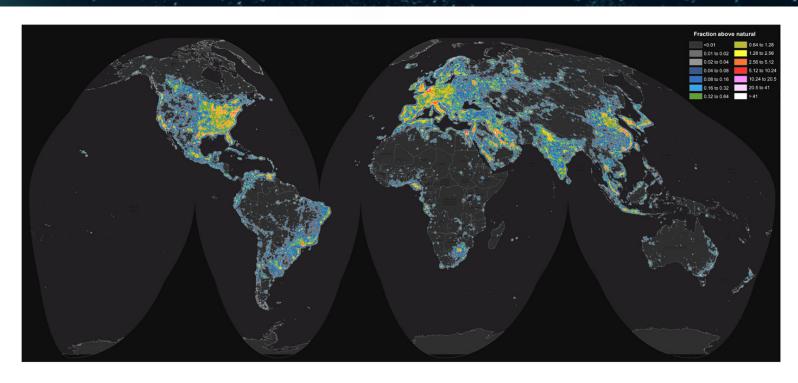
FUNDACIÓN STARLIGHT

INSTITUTO DE ASTROFÍSICA DE CANARIAS





Light Pollution World Atlas Falchi et al., 2016

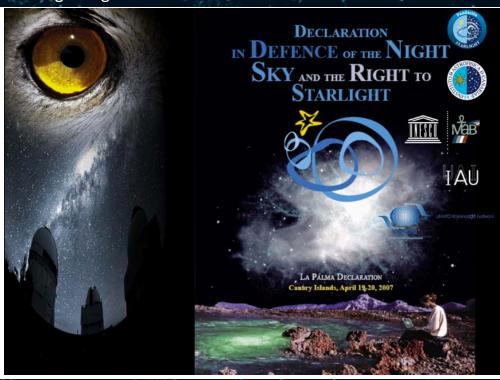




The Starlight Declaration (La Palma, 2007)

www.fundacionstarlight.org







The Starlight Foundation: the commitment with Starlight Declaration



ASTROTOURISM: ENJOYING STARRY SKIES



SCIENCE as a WORKING METHODOLOGY IN TOURISM



Tourism as an instrument to mitigate climate change
Tourism as an instrument for sustainability
Tourism as an instrument for development



Astronomy is a transversal element to the whole of humanity, cultures and countries
Astronomy is the starting point of science for many cultures
Sky is a worldwide resource x 24hrs x 365 days

SCIENTIFIC TOURISM & ASTROTOURISM





Antonia Varela

The Starlight training: formation, education, outreach



- √ 112 Starlight Guides
- √ 402 Starlight Monitor
- √ 35 Introduction in Astrotourism
- √ 18 Starlight Auditors
- √ >50 Starlight Professors
- √ 30 journalists
 - 15 nationalities





Destinos Turísticos Starlight: destinos inteligentes, sostenibles y responsables







SOCIO-ECONOMIC IMPACT OF THE ASTROTOURISM

Annual growth up to 350%

Montsec...32.000 visitors, 2.5 millions €/year lles Atlanticas...71.000 visitors for Starlight activities Tenerife200,000 visitors La Palma ...more than 70 business or registered projects, 29.5 millions €/year (Cabildo de La Palma).

From Airbnb study in Starlight sites:

Antofagasta (Chile)..... 327% La Palma (Spain) 90% Yarmouth (Canada)..... 221%



Starlight Foundation Winner in FiturNext 2020 Challenge among more than 250 innovative sustainable tourism projects of more than 50 countries.





The Telegraph



la Repubblica

The Best Airbnbs for Stargazing

The rise of astrotourism: Why your next adventure should include star-gazing

How to see the lunar eclipse through the world's largest telescope epturismo europa press

TRAVEL+ ABC Oeldigrio.es

Airbnb lanza una experiencia para observar el acercamiento de Marte a la Tierra en Canarias

10 Airbnbs for Incredible Stargazing — Including the Century's Longest Lunar Eclipse Happening This Month



Airbnb promociona Canarias con el turismo astronómico ASTRO-TOURISM ON THE RISE

AS STARGAZERS SEEK OUT BEST SPOTS TO OBSERVE MARS **CLOSEST TO EARTH**

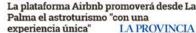
Sulle isole i maggiori osservatori europei E Airbnb organizza tour per appassionati

ASTROTURISMO EN LA PALMA - AIRBNB

DESCUBRE EL GRAN TELESCOPIO DE CANARIAS Y OBSERVA MARTE EN SU **PUNTO MÁS CERCANO EN 15 AÑOS**







LA PROVINCIA







A.M. Varela

Antonia Varela

WG ON SCIENTIFIC TOURISM OF AFFILIATE MEMBERS UNWTO Observing, feeling and knowing the Universe Smart Destinations

Main goal:

to identify and study experiences and ideas to deepen the different aspects offered by the **combination of Science and Tourism on the horizon of the tourism industry**, Starting with the Astrotourism, in order to reach conclusions and a roadmap for the future.



Science and Tourism in the horizon of the touristic industry and to reach the SDG's of Agenda 2030





Antonia Varela

WG ON SCIENTIFIC TOURISM MEMBERS



FUNDACIÓN STARLIGHT

• Spain | Europe



GEORGE WASHINGTON **UNIVERSITY**

United

Americas

States

of

America



FITUR - FERIA INTERNACIONAL **DE TURISMO**

Spain Europe



ASSOCIAÇÃO DARK SKY

• Portugal Europe



SOCIEDAD DE PROMOCIÓN Y DESARROLLO ECONÓMICO DE LA ISLA DE LA PALMA SAU.



Website



OBSERVATORIO TURÍSTICO DEL ESTADO DE **GUANAJUATO**

• Mexico Americas



A.M. Varela

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TARGETS

1. SCIENCE AND SOCIETY

2. SCIENCE AS CULTURE

3. TOURISM AS CULTURAL DIALOG

4. IMPORTANCE OF THE TOURISM IN THE SCIENTIFIC OUTREACH

5. CULTURAL VALUE
OF THE SCIENTIFIC
TOURISM

6. VIEWS OF THE SCIENTIFIC TOURISM: OBSERVATORIES AND STARGAZING SITES

7. SCIENTIFIC TOURISM: AN OPPORTUNITY FOR THE SECTOR

8. SINGULARITY OF THE ASTRONOMY

11. STRATEGIC VALUE: SAFE ENERGY

18. IMPORTANCE OF ASTROTROURISM FOR RURAL AREAS

17 TOURISM TO MITIGATE CLIMATE CHANGE

19 TOURISM & NATURE: SKYSCAPES

24. NEW SPACES & INFRASTRUCTURE

26. STARLIGHT TRAIING

28. QUALITY CHALLENGE

31. ASTROADVISORS

35. ORGANIZE AN INTERNATIONAL CONFERENCE FOR ASTROTOURISM



A.M. Varela

WG SCIENTIFIC TOURISM - PROGRAMME OF WORK 2021



TOPICS:

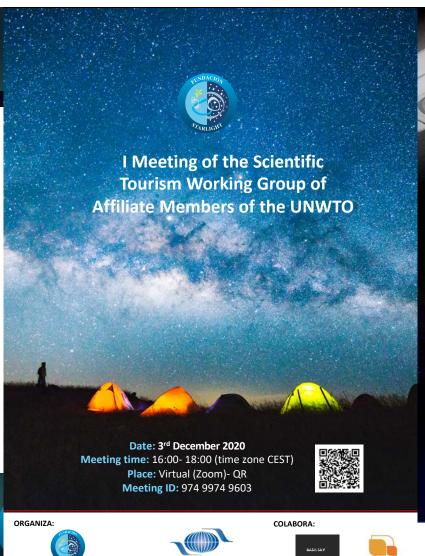
- A. THE VALUES OF THE ASTROTOURISM
- B. THE ASTROTOURISM: AN INSTRUMENT FOR SUSTANAIBILITY AND FOR MITIGATE CLIMATE CHANGE
- C. ASTROTOURISM AND LOCAL ECONOMIC DEVELOPMENT
- D. EDUCATION, TRAINING AND OUTREACH

INFORMATION/ INFORMAÇÕES:

starlight.conference.2020@darkskyalqueva.com



A A A V / - - - |





Program "I Meeting of the Scientific Tourism Working Group of Affiliate Members of the UNWTO" (3rd December 2020)

16:00-16:30 (time zone CEST) Introduction of Affiliate **Members of the Scientific Tourism Working Group**

16:30-17:00 Presentation 1st International Conference on Astrotourism by Starlight (Évora, 3-5 june 2021)

17:00-18:00 Action Plan Working Group 2020-2021: challenges and opportunities









ORGANIZA:





COLABORA:





ACCIONES 2020-UN CONFINAMIENTO PARA REFORZARNOS



Agenda 'Ventanas al Universo' (Actualizado)

La Fundación Starlight quiere compartir con todos quienes, en todas partes del mundo, están confinados en casa para superar esta pandemia, iniciativas y proyectos relacionados con la difusión de la astronomía.

27 marzo 2020



la Fundación Starlight comparte iniciativas y propuestas astronómicas en 'Ventanas al

Noche Mundial Starlight 2020

Esta iniciativa, promovida por la Fundación Starlight y a la que cada año se suman más territorios, celebra la Noche Mundial en Defensa de la Luz de las Estrellas cada 20 de abril.

19 marzo 2020



WG Scientific Tourism- OMT Initiative



> 60 ponentes.



HISTORIAS DEL CIELO

MONITORES Y QUÍAS STARLIGHT

FUNDACIÓN STARLIGHT

www.fundacionstarlight.org

@O. Blanco. Starlight Tourist Destination Trevinca (Galicia, Spain)

III Encuentro Starlight de Astroturismo y I de Monitores y Guías Starlight, Monasterio Estercuel (Teruel, 14-16 octubre 2020





Más de 70 personas de diferentes países debatieron:

 Patrimonio cultural y Starlight

• Biodiversidad, medioambiente y salud

 Alumbrado inteligente y ahorro energético

Astroturismo







"Among others, tourism can become a major instrument for a new alliance in defence of the quality of the nocturnal skyscape. Responsible tourism can and should take on board the night sky as a resource to protect and value in all destinations. Generating new tourist products based on the observation of the firmament and the phenomena of the night, opens up unsuspected pos-sibilities for cooperation among tourism stakeholders, local communities, and scientific institutions. "

Art.9 Starlight Declaration In Defence of the Night Sky and the Right to the Starlight, 2007.

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