



European Union European Regional Development Fund

LIGHT POLLUTION 2021 LA PALMA ISLAND

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Nightlight Project

Improving regional policies to reduce light pollution and protect and valorise dark night skies



CONCEPT: WHAT IS NIGHT LIGHT?

"NIGHT LIGHT", is an Interreg Europe project (PG102217): Improvement of regional policies for the reduction of light pollution and protection and valuation of the dark night sky ".

•**PROJECT LEADING PARTNER:** Fryslan Province (Netherlands)

•TOTAL OF 9 PARTNERS:

Provincial Council of Ávila (Spain)
Northern Great Plain Regional Development Agency (Hungary)
Our Natural Park (Luxembourg)
Samso Energy Academy (Denmark)
Basilicata region (Italy)
Matera Basilicata Foundation 2019 (Italy)
Gorenjska Regional Development Agency (Slovenia)
Island Council of La Palma (Spain)







PROJECT DURATION:

60 Months (January 1, 2017 - December 31, 2021):

Phase 1 - Interregional Learning Process: 36 Months (January 1, 2017 - December 31, 2019)

Phase 2 - Follow-up of the implementation of the Action Plan: 24 Months (January 1, 2020 - December 31, 2021)

GENERAL OBJECTIVE:

Improve the implementation of the regional policies of the partners so that they contribute effectively to the reduction of light pollution, the preservation of dark skies, the valuation and sustainable exploitation of the potential of "dark skies" destinations, in particular natural spaces and vulnerable landscapes.

SPECIFIC OBJECTIVE:

To achieve the general objective, the project aims to achieve the following specific objectives:

- 1. Identify and analyze current regional policies and prepare recommendations on issues related to light pollution and the protection of dark skies (eg: lighting technologies, sustainable exploitation of the territory through ecological / astronomical tourism)
- 2. Exchange tools, practices and projects related to the contents of the project
- 3. Develop concrete, realistic, and stakeholder-supported action plans. The Action Plan will represent the roadmap for the introduction of improvements in the regional policies object of the cooperation
- 4. Disseminate the practices and experiences acquired during the project to other regions of the EU

FINANCIAL STATEMENT



The Interregional Cooperation Program INTERREG EUROPE 2014 - 2020 establishes the following distribution of funding:

In accordance with the provisions of the "NIGHT LIGHT" project, and confirmed by INTERREG Europe (U.E.), the project budget is as follows:

Budget corresponding to La Palma: € 200,000.00 INTERREG EUROPE contribution: € 170,000.00





PROJECT PHASES

In line with the requirements of the Interregional Cooperation Program Manual INTERREG EUROPE 2014 - 2020, the "NIGHT LIGHT" Project consists of the following two phases:

PHASE 1: Interregional Learning Process Exchange of experiences and preparation of the implementation of the lessons to be learned during this same phase. During Phase 1, each of the participating regions prepared an action plan for integrating these lessons and experiences. The Action Plan includes measures to be implemented, phases and deadlines, responsible parties, costs and sources of financing.

PHASE 2: Follow-up of the implementation of the Action Plan Phase 2 is dedicated to monitoring the operation of the Action Plan by each of the partners



3. Pre Kick-off Amsterdam







Our pre kick off meeting was organized in Amsterdam on the 17th of January 2017. Exactly on that date there was a huge power break down which

covered a big part of Amsterdam in darkness that morning.

For a project which aims on protecting dark sky areas, the start couldn't be better!



Internet, years have

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The goal of the 'pre kick off meeting' was to learn to know each other. To achieve this, all partners had to prepare a five minute presentation about them selves, their region and about how they thought they were going to contribute to the project.



The main reason to organize a pre-kick off meeting was to present to the partners what they had to do to prepare the project and to get started.

We explained the rules and theoretical business so that at the kick off meeting in Luxembourg in March we would have more time to spend on good practices and we could go into further detail.

It was a good and intense meeting and we 've made a flying start!

PROJECT ACTIVITY PLANNING 2017 - 2021



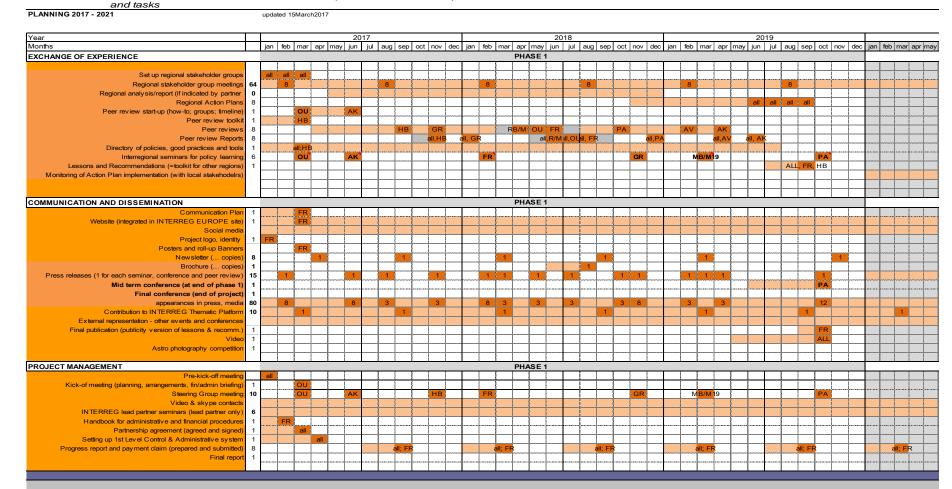
NightLight

Project Activity Planning Time line of project activities, outputs
 LP
 FR
 Fryslan
 P4
 OU
 Naturpark Our

 P2
 HB
 Hajdú-Bihar County Council
 P5
 AK
 Energi Akademi

 P3
 AV
 Avila County Council
 P6
 GR
 Gorenjska RDA

P7 RB Regione Basilicata P8 M19 Matera/Basilicata2019 P9 PA Cabildo La Palma



KICK OFF MEETING IN LUXEMBURG MARCH 6 TO 8 2017

4. Kick-off in Luxembourg

Project kickoff meeting in the Luxembourg Nature Park Our The Nature Park Our eagerly hosted the INTERREG Europe NIGHT LIGHT kickoff meeting from 6-8 March 2017.

About 20 representatives of the 9 project partner regions gathered in the picturesque town of Clervaux, taking the first common steps within NIGHT LIGHT, following a well-stocked agenda.

The meeting schedules comprehended a steering group meeting, a peer review workshop and a policy learning seminar, enriched by the inspiring contributions of the 2 guest speakers





Nynke-Rixt Jukema, representative of Fryslân and founder of the project Feel the Night and Antonia Varela, member of the Sky Quality Group of the Institute of Astrophysics of the Canary Islands and collaborator of the Starlight Foundation.







The evening event included a special presentation of a new survey on light pollution in Luxembourg by Dr. Lukas Schuler from Dark Sky Switzerland with a specific look at the territory of the Nature Park Our.

Clervaux.



Night Light



HOW PROTECTING THE SKY FROM LIGHT POLLUTION CAN HELP THE ECNOMIC DEVELOPMENT OF A RURAL AREA THROUGH THE ACTIVITIY OF ASTRONOMICAL AND SCIENTIFIC TOURISM





START OF ASTROTOURISM IN LA PALMA





IN 1985 THE ASTROPHYSICAL COMPLEX OF ROQUE DE LOS MUCHACHOS IS INAUGURATED

IN 1987 THE FIRST CHARTER FLIGHT ARRIVES TO LA PALMA ISLAND

IN 1988 THE LAW OF THE SKY OF CANARY IS APPROVED

20 APRIL 2007 THE INTERNATIONAL CONFERENCE STARLIGHT IS HELD IN PALMA

IN 2009 IT IS CONSTITUTED "THE TABLE OF TOURISM OF STARS"

IN 2010 THE BIOSPHERE RESERVE PRESENTS A STUDY FOR THE DEVELOPMENT OF "ASTROTOURISM IN LA PALMA"

IN 2011 THE IAC CREATES THE FIGURE OF THE "STARLIGHT GUIDE"

IN 2011 BEGINS THE DEVELOPMENT OF THE TOURISM COMPETITIVENESS PLAN "CANARY ISLANDS. A VOLCANIC EXPERIENCE.

2012 CERTIFICATIONS TOURIST DESTINATION STARLIGHT AND STARLIGHT RESERVE.



COMPANY TEMATIZATION



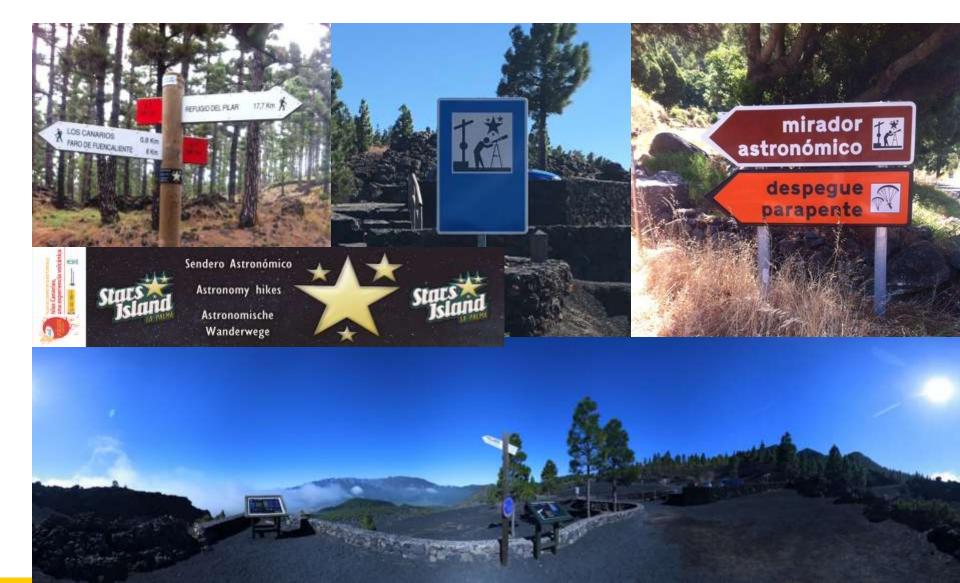
70 TOURIST COMPANIES:

RESTAURANTS BARS- CAFETERIA RURAL HOMES APARTMENTS HOTELS ASTRONOMIC SERVICES COMPANIES STARLIGHT GUIDES CRAFTSMAN'S STORES JEWELRY SALINAS TENEGUÍA (SALT) MAGAZIN BODEGAS (WINERY) NAUTICAL EXCURSION BOATS LEISURE COMPANIES - INTERMEDIATE





PUBLIC INFRASTRUCTURES: 16 VIEW POINTS AND 4 ASTRONOMIC PATHS







TRAINING FOR ENTREPRENEURS

•Management of equipment, creation of sun watches, meetings of telescopes

•Experiential Tourism Training Project for Entrepreneurs of Astro Tourism.

•Fact sheet of activities in Astroturism of Stars Island La Palma





DISCLOSING ACTIVITIES





SEMINARS, CONGRESSES AND CONFERENCES ARE POWERED WITH SCIENTIFIC-DIVULGATIVE THEME





PRESERVING the SKIES

10th Anniversary of the Starlight Declaration

"Without darkness we would never see the stars"

April 18-21 **2017** Santa Cruz de La Palma, Spain Teatro Circo de Marte





www.iac.es/preservingskies2017



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Foto: Van Marts



FABIO FALCHI PRESENTS THE NEW WORLD ATLAS OF LIGHT POLLUTION IN LA PALMA

Fabio Falchi: La Palma is one of the few places in the world that still maintains dark nights.





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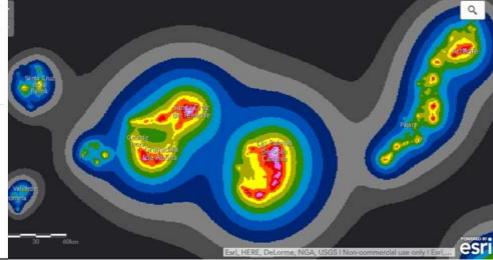
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La Palma acoge un seminario internacional sobre la contaminación lumínica

La Opinión | 05.07.2016 | 00:19

El consejero de Planificación del Cabildo de La Palma, Gonzalo Pascual, inauguró ayer el seminario internacional *Starlight, beyond light pollution* (Luz de las estrellas, más allá de la contaminación lumínica) en la Casa Principal de Salazar, que se celebra desde ayer hasta el 6 de julio. En la presentación también intervinieron Julio Felipe, en representación del Ayuntamiento de Santa Cruz de La Palma; el coordinador de la iniciativa Starlight en colaboración con la Unesco, Cipriano Marín; Ovidiu Vaduvescu, de Astro Travels, ING e IAC; y la presidenta de la Sociedad Astronómica de Chicago y fundadora de One Star at Time, Audrey Fischer. Además, al acto asistió Connie Walker, del Observatorio Nacional de Astronomía Óptica de Estados Unidos (NOAO), Sociedad Astronómica del Pacífico, Asociación Internacional Cielo Nocturno (IDA) y Unión Astronómica Internacional (IAU) y Fabio Falchi del Instituto de Ciencia y Tecnología de Contaminación Lumínica y CieloBuio, autor de atlas mundial de la contaminación lumínica.







ART AND STARS





TECHNARTE: PUBLIC-PRIVATE COLLABORATION



Jessie Hughes estará un mes en el Roque para crear una obra de arte inspirada en el Sol

La joven australiana ganó la beca entre 150 personas de los cinco continentes



ELAMIRON BISSIDES-193POMI 07

La artista australina Jessie Hughes, ganadora de la Beca de Residencia Artística Start Technarte La Palma, va está en la Isla Bonita para pasar un mes en el Roque cos el objetivo de crear una obra de arte impirada en el Sol. Una obra que luego se presentará el 19 y 20 de mayo en el Technarte de Bilbao. en la Coeferencia Internacional de Arte y Tecnología, porque lo que se persigue con esta accide, que tiene un coste de unos 36.000 euros aportados.



La joien auto alina Jesuia Haghes, ganadora de la besa de residencia artística Mart Technarte La Palma, ya se secuentra en La Palma para pasar un nex en al Roque.

por el Cabildo, el Gobierno central y el CIT Tedote, es promocionar la fsila como destino de arte, ciencia y tecnología.



TechnarteTalk

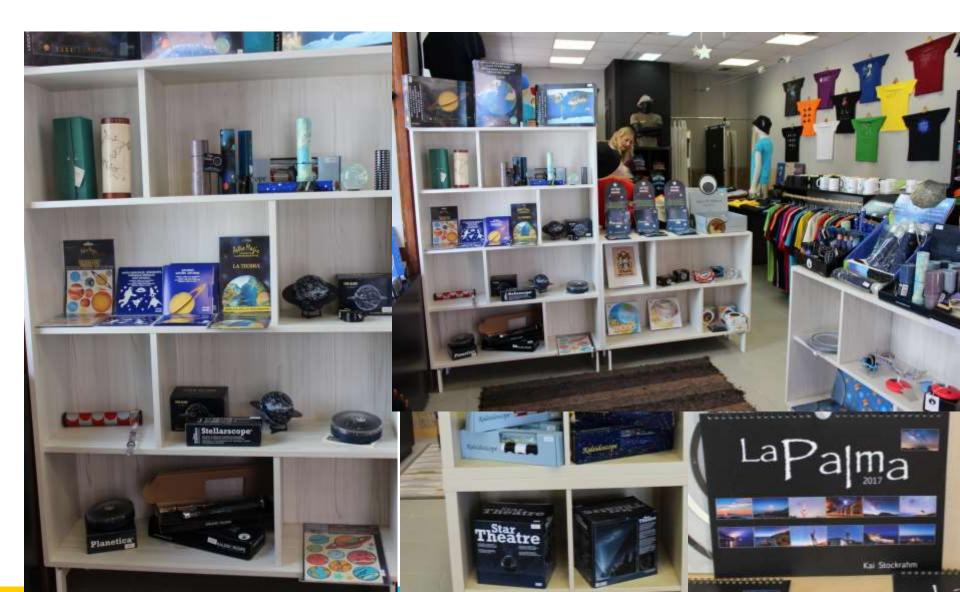
TECNOLOGÍA + ARTE + ESTRELLAS







JEWELRY, SOUVENIRS SHOPS ..



STARMUS FESTIVAL AT LA PALMA ROUND TABLE 108 MINUTES

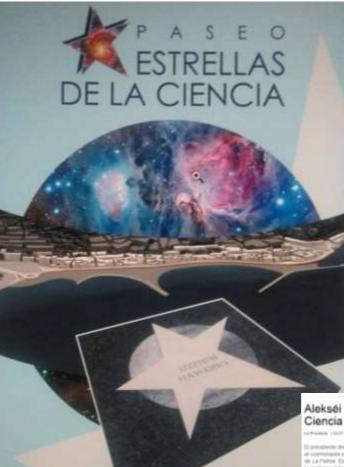






WALK OF THE STARS OF SCIENCE IN THE MARITIME FRONT OF THE CAPITAL

PORTADA.



ISLA DE LA PALMA

ELAPURÓN



Stephen Hawking tendrá su estrella en el primer Paseo de las Estrellas de la Ciencia del mundo

DIGNA MARTIN # 11.06.2016-14.57 GMT 02

El Cabildo ha decidido poner en marcha esta iniciativa para fomentar el conocimiento científico. Garil: Israelian dijo que es una idea "increible" que a Haviking le ha gustado

Alekséi Leónov, segunda estrella del Paseo de la Ciencia en La Palma

And the second second second

l presidente del Caldàs de La Palesa, Assaños Perdiana, tari estenja borr de la estrela don artesta. al commission singles. Annual (added come some manythes del Nanos de las Debelas de la comunun 1.a Patron En in enquesin pretores co-motion erits chilicitiis, mentante un que se panado 11 de junio is mething at farmers contribute Displace blacking

alindo fue al primer homitro que stabili un passes respectal, el 78 se mante de 1985, habendo formato parle del préser propo de 20 construindos del programa impacto constituiro, constituiro en 1980, o fue lambaix el construiente del organo possibilito de la presente reació conjunto estas la chaixi threader is a weat of the sector. Association of

Vestilana vesseriali que el Planes de las Esterlias de la Ciencia en una recultas del Califico pues al Aperiamanesis de barea Erup de La Partira "que pretense fomentar el royacid-temp percifica versidad ton of their a linear or impacts parts for "Anims provincement" is a mitratia entrappets a Alabast Latinum e as reconstructions a construction participanties on it heating in its supervision of a







Inauguración "Paseo de las Estrellas de la Ciencia"

Sábado, 5 de diciembre de 2020 Santa Cruz de La Palma, Avenida Marítima.











ASTROTOURISM GROWTH DATA



- •VISITS TO THE ORM: + 30% YEAR
- **•ASTRONOMIC TOURS: + 50% YEAR**



LA PALMA

ACTION 1. Improving lighting quality protection

ACTION 2. Education and Awareness Raising

ACTION 3. Engaging Public Sector/Linking politicians and population

ACTION 4. Astrotourism and its marketing for economy

ACTION PLAN LA PALMA Night Light







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ACTION 1. Improving lighting qualityprotection.

1.Action

-A1.1 Sky Pact committee creation

-A1.2 Sky quality meters installation

-A1.3 Establish local rules for light pollution control in astronomical observation sites and astronomical view points.

- A1.4 Calendar for meetings with all the municipalities

Michaeles / Made, toolburte / La Palerary Townsto werfan his pressore madidenes do la secondad dal visio nomena

La Palma y Tenerife reciben los primeros medidores de la oscuridad del cielo nocturno





Publicidad







ACTION 2. Education and Awareness Raising

2.Actions

- -A2.1 Calendar for meetings with all the municipalities
- -A2.2 Local population awareness calendar "Apagón"
- -A2.3 Painting contest for school children
- -A2.4 Dynamization with local amateur groups
- -A2.5 Telescope handling workshops
- -A2.6 Astronomy day at school
- -A2.7 Organised visits to the Roque de Los Muchachos Observatory
- A2.8 Astronomer workshop

A V	PAGA enciende	LALU	ON ASTROFES Palma 2020
MUNICIPIO	ZONA A APAGAR	ACTIVIDAD	CONCIERTO
Santa Cour de La Palma	Cadilic de La Viegen	Othernanide del Certa "Ben writtet con lan minifian"	2011 h. Arnantin. News Amore y New Edwards with Place & La Docardanie
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San Andrés y Samers	These maritime Durin And - San Antony	Chartratite del Cette	
Barlovento	Place de La Puerte, Callegre	Observende det (Jale)	2010 K. Artualite, Irane & Antoni Ngan
- Willa de Garalla	Lus Autoria del Monte	Stocreante del Certo	21100 Acharger, GEPEINERSA
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Les Lianso de Aridane	Contro de La Monaria	Otienalità del Deu	21.05% Attuaction, Markal Austral
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Breda Reja	Passibiliares	Observantie del Cieta -	2100 K. Artanate, ORD DE MISCO
Väle de Mare	Minis de San Auni, La Martin	(Burnatics del Celle	21001. Infrancia, GROPE OFFICIENT





ASTROFEST 2020

LA PALMA

PROGRAMA DE ACTIVIDADES ASTROFEST LA PALMA 2020 (1) proprese atil aginte a cardino).

FESTIVALITO DE CINE DE LAS ESTRELLAS

1 al 8 de Agosto EXPOSICIONES ITINERANTES POR LA ISLA:

CONCURSO INTERNACIONAL DE ASTROFOTOGRAFÍA LA PALMA

TALLER DE FOTOGRAFÍA NOCTURNA: AFOTO LA PALMA

• 100 LUNAS CUADRADAS: TAC

DECLARACIÓN STARLIGHT DE LA PALMA

CONCURSO LONAS ALUMNOS E.A. MANOLO BLAHNIK

15 Agosto a Noviembre CINE DE ESTRELLAS EN EL VOLCÁN SAN ANTONIO

18 de Agosto

TALLER DE FOTOGRAFÍA NOCTURNA: AFOTO LA PALMA EN PUNTAGORDA

21 a 23 de Agosto INSTALACIÓN DE LONAS "APAGA LA LUZ, ENCIENDE LAS ESTRELLAS" EN LOS 14 MUNICIPIOS 15 de Septiembre

ULTRA MARATÓN MESSIER EN C.V. CAÑOS DE FUEGO

19 Septembre RUTA ARQUEDASTRONÓMICA FUENCALIENTE

26 de Septiembre JORNADA STARLIGHT- PROTECCIÓN DEL CIELO Y OPORTUNIDADES DE EMPLEO 29 de Septiembre

EXPOSICIÓN "CONCURSO DE DIBUJO INFANTIL ASTROFEST 2020". INAUGURACIÓN: 1 DE OCTUBRE

1 al 31 de Octubre Casa Salazar, Calle O'Daly

6 al 30 de Noviembre en MAB (Los Llanos de Aridane)

EXPOSICIÓN XI CONCURSO INTERNACIONAL DE ASTROFOTOGRAFIA LA PALMA (EDICIÓN 2019). Inauguración: 1 de octubre

1 al 31 de Octubre Casa Salazar, Galle O'Baly

6 al 30 de Noviembre en MAB (Los Llanos de Aridane)

TALLER DE G-ASTRONOMÍA "SABOREA LAS ESTRELLAS"

6 de Octubre WEBMINARS DE ASTRONOMIA Y TURISMO"

Octubre

REUNIÓN COMITE DE PRODUCTO DE TURISMO CIENTÍFICO Y ASTROTURISMO DE LA OMT Octubre

APAGA LA LUZ Y ENCIENDE LAS ESTRELLAS:

APAGÓN EN TODA LA ISLA CON OBSERVACIONES ASTRONÓMICAS Y ACTUACIONES MUSICALES 17 de Octubre

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ENCUENTRO CON ESTRELLAS, DEPORTE Y MÚSICA" EN EL PASO

23 de Octubre

FESTIVAL DEL SENDERISMO

29 a 31 de Octubre ACTO DE CLAUSURA DEL ASTROFEST LA PALMA 2020

CHARDRAY

30 de Octubre

PERSONAL PROPERTY.





Line

Calcenna



A2.2 Local population awareness calendar





-30 OCTUBRE

CASA PRINCIPAL

DE SALAZAR

LANTA CRUZ DE LA PALMA



I JORNADAS SOBRE **PROTECCIÓN DEL CIELO Y OPORTUNIDADES DE EMPLEO EN LA PALMA**

Fecha: martes 29 de septiembre de 2020 Hora: 16:00-19:30 Lugar: Casa Salazar (Santa Cruz de La Palma)



SABOREA LAS **ESTRELLAS** Taller G-Astronomía 6 DE OCTUBRE DE 2020 **RESTAURANTE JARDÍN DE LA SAL FUENCALIENTE**



10:00h - 10:30h. Elemenida al Taller G-Astronomia.

Dota Raquel Díaz y Díaz. Consejera de Promoción Económica y Delegada de Sodenal. Don Raúl Camacho, Conseiero de Turismo, Don José Adsián Hemández Norroya. Consejero de Agricultura, Ganadería y Pesca

10:301 - 11:15h. El concepto del menu G-Astronomico.

Patente: Antonio Gospilez.

11:15k - 12:00). Gastronomia Estatar en la Enselanza.

Fonente: Diego Rodriguez Gómez.

a puesta en escena del menà "Satarras Las Astr

EXPOSICIÓN FOTOGRÁFICA **XI CONCURSO INTERNACIONAL** DE ASTROFOTOGRAFÍA LA PALMA 2019

ASTROFEST 2020

EXPOSICIÓN DE DIBUJOS CONCURSO INFANTIL ASTROFEST 2020

ORGANIZA









ACTION 3. Engaging Public Sector/Linking politicians and population

-A3.1 Calendar for meetings with all the municipalities to spread the preservation of the sky.

-A3.2 Coordination with municipality representatives for astro-tourism events development

-A3.3 Stimulate the creation of new dark areas for stargazing

CUADRANTE DE REUNIONES DE LA MESA DE ASTROTURISMO DEL CONSEJO SECTORIAL DE TURISMO DEL CABILDO INSULAR DE LA PALMA CON LOS AYUNTAMIENTOS DE LA ISLA

DÍA	AYUNTAMIENTO	HORA	MIEMBROS DE LA MESA ASISTENTES	PERSONA DE CONTACTO
12 DE MARZO	TAZACORTE	09:30	PEDRO ALVAREZ,TOÑO GLEZ, BLASCO	David Ruiz
12 DE MARZO	LOS LLANOS DE ARIDANE	11:20	PEDRO ALVAREZ,TOÑO GLEZ, BLASCO	Inmaculada Fdez. Pérez + Alcaldesa
12 DE MARZO	EL PASO	13:15	PEDRO ALVAREZ,TOÑO GLEZ, BLASCO	Omar Hdez. Concepción + Alcalde
16 DE MARZO	BARLOVENTO	09:30	LUIS HERNÁNDEZ, BLASCO	Jacob Quadri
16 DE MARZO	PUNTALLANA	11:30	LUIS HERNÁNDEZ, RUBÉN LÓPEZ, BLASCO	Héctor Cabrera Hdez. + Alcalde
16 DE MARZO	BREÑA BAJA	13:30	LUIS HERNÁNDEZ, RUBÉN LÓPEZ, BLASCO, ANA GARCÍA	Juan Manuel Pérez + Alcalde
17 DE MARZO	BREÑA ALTA	09:30	PEDRO ALVAREZ, ANA GARCÍA, TOÑO GLEZ.	Laura García Bonilla
17 DE MARZO	SANTA CRUZ DE LA PALMA	13:00	PEDRO ALVAREZ, TOÑO GLEZ,	Virginia Espinosa
18 DE MARZO	GARAFÍA	10:00	PEDRO ALVAREZ , MIGUEL CALERO, BLASCO, TOÑO GLEZ,	Vanesa Pérez + Alcalde
18 DE MARZO	PUNTAGORDA	11:30	PEDRO ALVAREZ , MIGUEL CALERO, BLASCO, TOÑO GLEZ,	Silvia Martín Mederos
18 DE MARZO	TIJARAFE	13:00	PEDRO ALVAREZ , MIGUEL CALERO, BLASCO, TOÑO GLEZ,	Diana Lorenzo Brito + Alcalde
19 DE MARZO	VILLA DE MAZO	09:00	RUBÉN LÓPEZ	Goretti Pérez Corujo
19 DE MARZO	FUENCALIENTE	11:00	RUBÉN LÓPEZ	Celia Santos + Alcalde
Después de 24	SAN ANDRÉS Y SAUCES	-		Francisco Paz









ACTION 4. Astrotourism and its marketing for economy

4.Actions

-A4.1 Create a catalogue for astrotourism thematization

-A4.2 Course for astro entrepreneurs about story telling with the outcome of a catalogue

-A4.3 Promoting La Palma through international events: Reventon Trail, Stars Festivalito, international astro photography contest, Starlight International day, Astrofest, scientific congress....

- A4.5 Propose new infrastructures and also boost the finishing of those that are already under construction



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European Union European Regional Development Fund

Thank you!

