

CASE STUDY KERRY INTERNATIONAL DARK SKIES PROJECT

John Griffin Kerry County Council

Presentation Outline

Context **Role of Council Policy Framework** Harnessing the Potential – *Community of Support* **Council Actions Ingredients for Success**







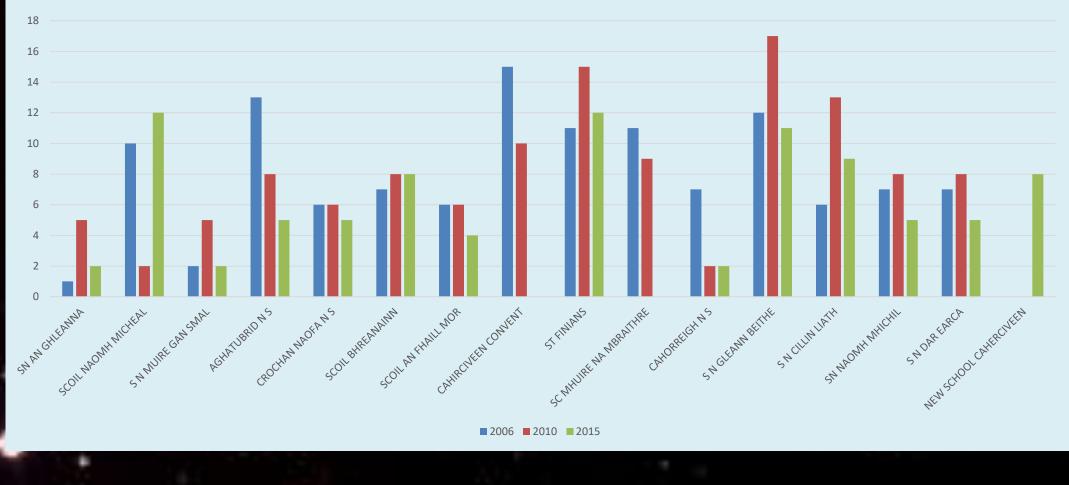


Context

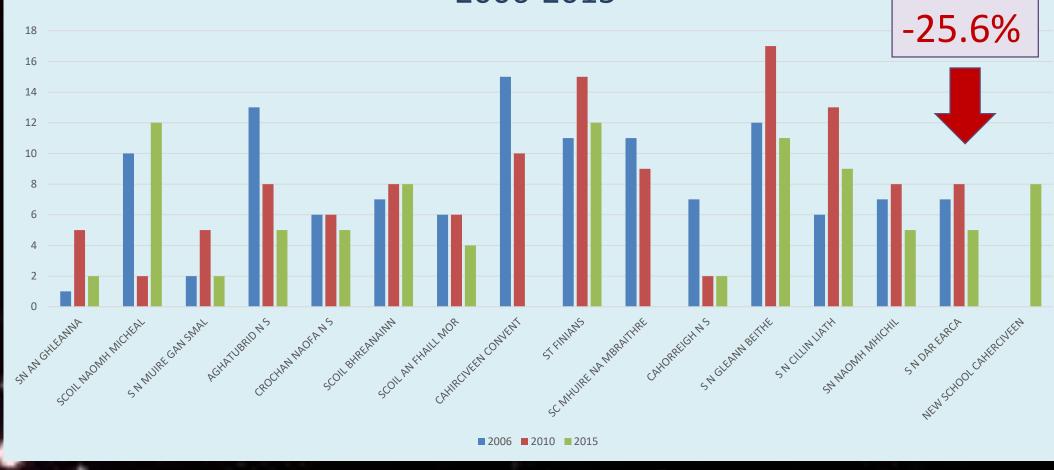
- Area of Outstanding Natural Beauty
- Located on Ring of Kerry and Wild Atlantic Way, Skellig Michael
- Attracts circa 1m visitors majority day visitors from Killarney
- However,
- Tourist Season is short summer months
- Region is suffering from economic decline and de-population
- Population of Cahersiveen declined by 15% from 2002 to 2016.
- One of the lowest disposable incomes in country

School enrolments in sharp decline

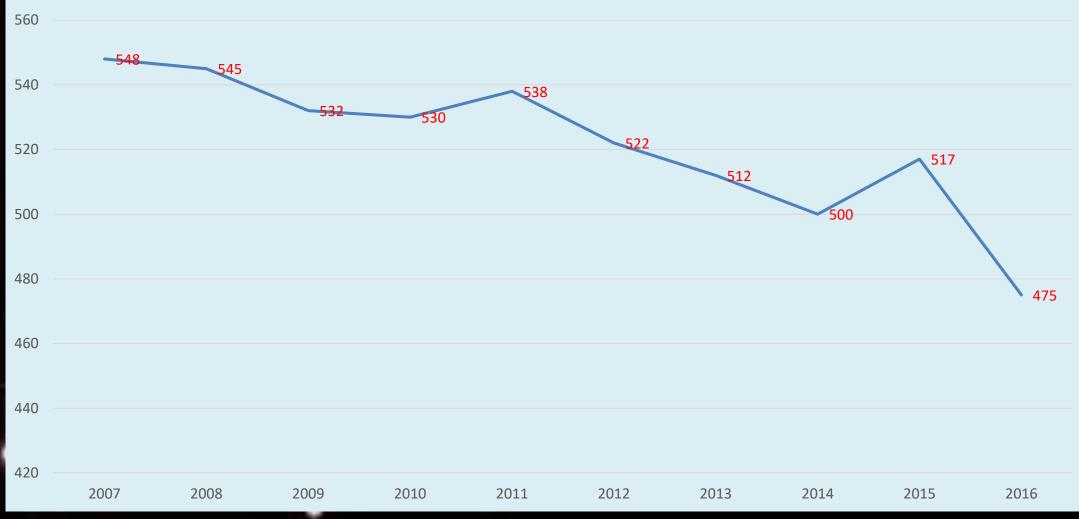
Primary / National School Enrolments in Skellig Region, 2006-2015



Primary / National School Enrolments in Skellig Region, 2006-2015



Total Enrolments in Coláiste na Sceilge Secondary School, Cahersiveen, 2007-2016



Total Enrolments in Coláiste na Sceilge Secondary School, Cahersiveen, 2007-2016





Launch of Kerry International Dark Sky Reserve, Jan 2014

First Gold Tier Dark Sky Reserve in Europe ^{Taisce Idirnáisiúnta} Spéire Dorcha **Chiarraí**

KERRY

International

Dark Sky Reserve

Light Pollution in Europe

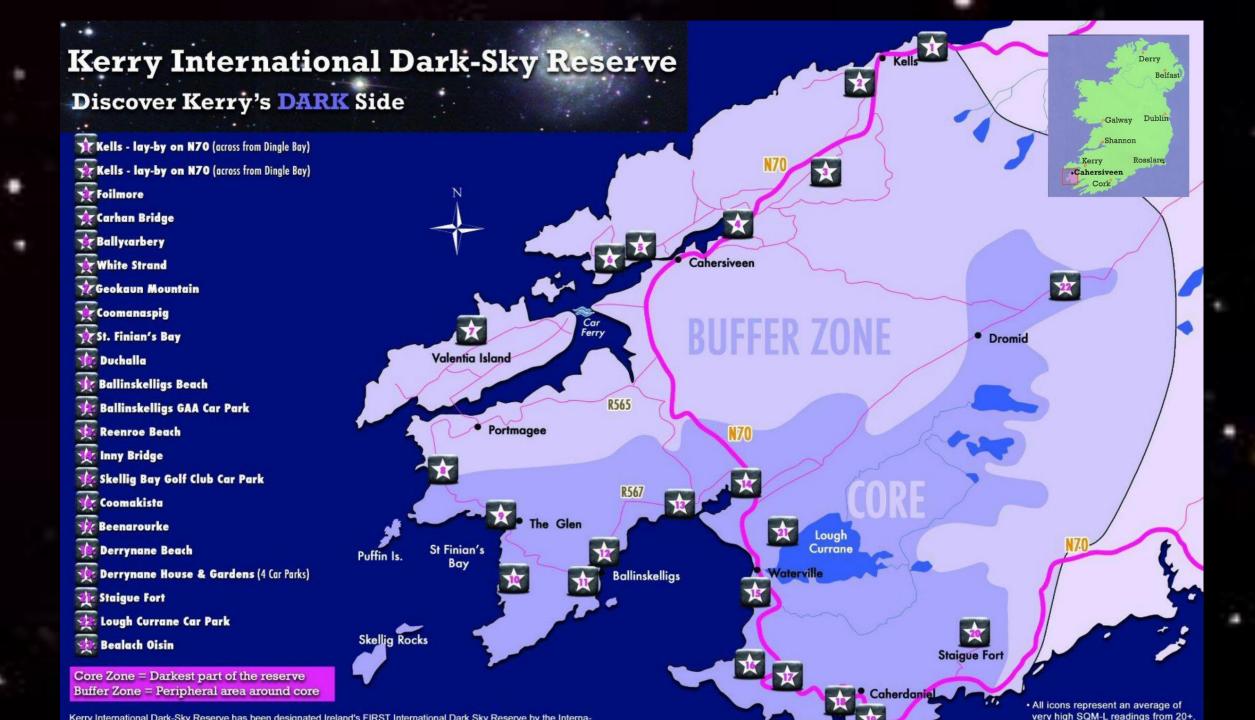
Light pollution is not only a hindrance to astronomy, but it also impacts the environment.

IDA – International Dark Sky Association

THE UNIVERSE YOURS TO DISCOVER

INTERNATIONAL YEAR OF

ASTRONOMY



Certified IDA International Dark Sky Reserves (11)

3 GOLD TIER RESERVES GLOBALLY:

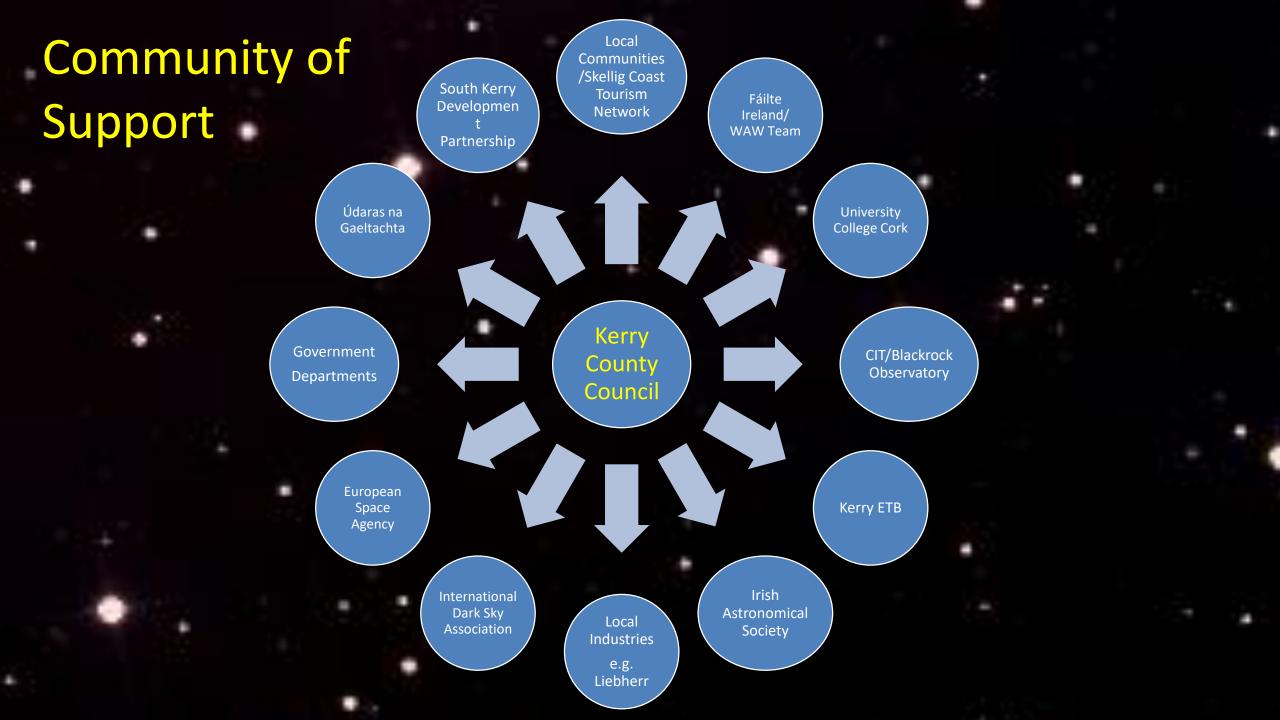
Aoraki Mackenzie (New Zealand)

NamibRand Nature Reserve (Namibia)

Kerry (Ireland)

Council's Role - Encourage, Facilitate, Support

- Supported Local Community Secure the Dark Sky Designation
- Commitment through its planning policies and work programmes to maintain and enhance the Dark Sky Reserve
- Maximise the opportunity of the international designation to promote Astro-Tourism - a growing niche within international tourism and year-round visitor activity.
- Build a national and international *Community of Support* for the project
- Help to build a local knowledge base to support astronomy and Astro-Tourism development
- Provide funding supports for Dark Sky Activities festivals etc.





National Policy

October 2012

Putting People First

reducing their carbon tootprint and expenditure on neat power and light,

- local authorities are well placed to identify economic potential and requirements to realise it and most already actively promote economic development and promote/market their areas for tourism, investment, and enterprise;
- local government functions have an important bearing on key local attributes such as the quality of its environment, accessibility, physical character, and quality of life generally, which

National Policy

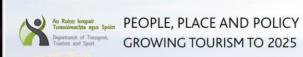
Putting People First

Action Programme for Effective Local Government

Department of the Environment, Community and Local Government

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Comhshool, Pobel ogus Rioltos Áthli Environment, Community and Local G October 2012







PEOPLE AND PLACE - A CENTRAL ROLE IN TOURISM FOR LOCAL AUTHORITIES AND COMMUNITIES

54 PEOPLE, PLACE AND POLICY - GROWING TOURISM TO 2025

Kerry

Mar and Market

Adopted on 16th February 2015 Effective from 16th March 2015

KERRY County Development Plan 2015 - 2021 Plean Forbartha Chiarrai 2015 - 2021

Volume 1

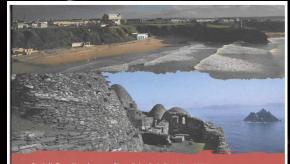
Ráiteas Scríofa

Written Statement

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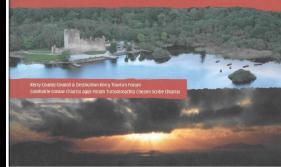
Local Economic & Community Plan 2016 - 2022 Plean Aitiúil Eacnamaíochta agus Pobail Chiarraí 2016-2022





Straitéis Turasóireachta agus Plean Gníomhaíochta 2016-2022 Chontae Chiarraí

County Kerry Tourism Strategy and Action Plan 2016 - 2022





Coiste Forbartha Pobail Áitiúil Chiarraí Kerry Local Community Development Committee

Sela-Relative field Britishand Bary Jos Samera



Rural Development Programme 2014 – 2020 - Ireland European Agricultural Fund for Rural Development (EAFRD)

> County Kerry LEADER Local Development Strategy



Kerry - LEADER Local Development Strategy 2014 - 2020

KERRY County Development Plan 2015 - 2021 Plean Forbartha Chiarraí 2015 - 2021 Volume 1 Imleabhar 1 Written Statement Adopted on 16th February 2015 Ráiteas Scríofa Effective from 16th March 2015

Kerry County Development Plan 2015 - 2021

The following are flood risk management objectives of the Planning Authority to be adhered to as part of the Development Management Process. 10.20 Kerry International Dark-Sky Reserve International Dark Sky Reserves

Flood Risk Management

It is an objective of the Council to:-

- NE-76 Ensure that development proposals which would be sensitive to the effects of flooding, or which would be located in flood prone or marginal areas are accompanied with Flood Impact Assessments, detailed Justification Tests and detailed mitigation measures within the context of the DoEHLG (2009) guidelines on Flood Risk Management.
- NE-77 Ensure that developments, which in the opinion of the Planning Authority would have an unacceptable risk of flooding or which would result in an unacceptable risk of flooding elsewhere will not be permitted.
- NE-78 Ensure that significant developments in upland areas, such as wind farm developments, roadway construction, peatland drainage and forestry proposals, provide sufficient storm water attenuation so as to avoid the occurrence of river erosion or flooding downstream.

NE-79 Support and facilitate Agencies in the sustainable provision of flood defences at appropriate locations throughout the County which are identified as vulnerable to flooding, including those identified in Catchment Flood Risk Management Plans (CFRAMS). International Dark Sky Reserves (www. darksky.org) are areas recognised as possessing an exceptional or distinguished quality of starry nights and nocturnal environment specifically protected for scientific, natural, educational, cultural, heritage or public enjoyment. The accreditation also means that a brand new branch has opened in the Irish Tourism Industry called Astro-tourism.

The Kerry International Dark-Sky Reserve (as the area will be known) measures approximately 700 km² and includes Kells/ Folimore, Cahersiveen, Portmagee, Valentia Island, Dromid, The Glen, Ballinskelligs, Waterville and Derrynane/Caherdaniel.

Kerry County Council supports this project and where resources allow intends to replace the public lighting system throughout Kerry with a more energy efficient, money saving, dark-sky compliant lighting system.

Kerry International Dark-Sky Reserve

It is an objective of the Council to:-

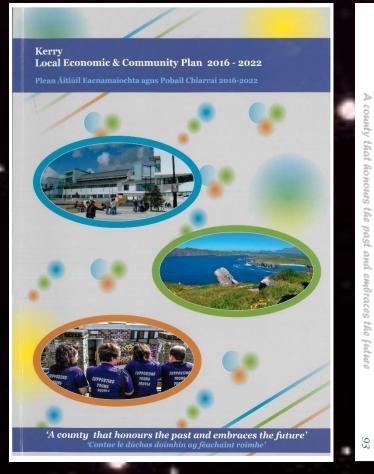
NE-80 Encourage measures to support the Kerry International Dark-Sky Reserve throughout the lifetime of the Plan.

Торіс	Standards / Guidelines		
Light Pollution	The limitation of light pollution is important in the interests of natu conservation, residential amenity and energy efficiency. Extern illumination shall be minimised taking into account the minimum requir for security and health and safety: therefore all external lighting:-		
	 shall be properly cowled and directed away from the public roadwa and shall also not be visible from any point more than 200 metre away from the light, 		
	 shall not point upwards, 		
	 shall be sensor controlled, 		
	 shall be energy efficient, 		
	 shall be sensitive to protected species, where applicable. 		
	 shall take account of the 'Campaign for Dark Skies' issues when appropriate. 		
Management Agreements/ Company	For development where there are two or more dwellings that sha infrastructure the developer shall be required to establish a manageme company for the upkeep and maintenance of the development (two more houses and/or access road is defined as a housing estate). The management company shall remain in place until the development taken in charge by the Council. Procedures for taking in charge a detailed in Circular letter PD 1/08 issued by the Department of the Environment, Heritage and Local Government and in Kerry Coun Councils 'Policy on taking in charge of housing estates' (2008).		
Noise Pollution	Noise pollution has become an increasingly important issue as it affect quality of life and also has health impacts. The Council will requi applicants to reduce noise and/or vibration at site boundaries or with adjacent sensitive areas, especially residential areas, by measures sur as layout, design and/or attenuation mechanisms.		
Peat Extraction	A number of strategies/plans are being prepared nationally in relati to bogs, namely A National Raised Bog SAC Management Plan t the Department of Arts, Heritage and the Gaeltacht and a Peatlan Strategy by The Peatlands Council. The Council will have regard these strategies/plans.		
Playgrounds	Proposals for development for playgrounds will be determined with rega to the Kerry County Councils publication ' <i>Developing Play in Kerry</i> ' ar EN1176 (the European Standard for playground equipment).		

Kerry County Development Plan 2015 - 2021 😻

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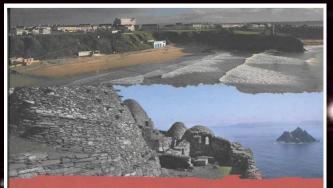
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High Level Goal: 2.1							
To work with stakeholders in order to protect the landscape and natural environment of the county as a major economic asset and an invaluable amenity which contributes to the quality of people's lives.							
ustair)bject	able Community Deve tives	elopment Actions		Lead	Partners	Outcome	Delivery Timeframe
.1.2	Protect the rich biodive vulnerable natural areas county by implementing t tives as set out in chapter Kerry County Developmen	of the he objec- 10 of the	Objectives NE1 to NE 80 in the following areas:- Designated Conservation Areas Legally Protected Plant and Animal Species Water Services Water Quality Waste Water Treatment Features or Areas of Geological Interest Wetlands Ecological Corridors Riparian Buffer Zones Woodlands and Trees Community Woodlands Green Infrastructure Urban Ecology Habitat Loss and Fragmentation Invasive Species Biodiversity Marine Integrated Coastal Zone Management Coastal Development Coastal Protection Beach Protection Beach Protection Coastal Squeeze(see Acronyms & Glossary) Flood Risk Management and Sustainable Plan- ning Kerry International Dark Sky Reserve	KCC	PPN, An Táisce Local commu- nities, TK, KEEP	Procedures in place to protect the landscape and natural features of the county	ongoing

Kerry Local Economic & Community Plan 2016-

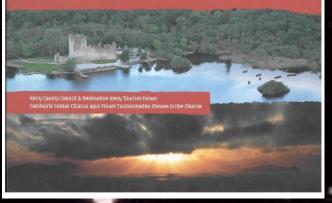
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Straitéis Turasóireachta agus Plean Gníomhaíochta 2016 - 2022 **Chontae Chiarraí**

County Kerry Tourism Strategy and Action Plan 2016-2022



CO OUT Tradition Laugh_Advent Mountains Heritage Employment Facilities Econ een 100 ean Artists Lakes Experiences Iconic Respect Music **Natural Beauty Sport** Culture



1.3 Astro Tourism

Project	Time Frame	Financial Scale €, €€, €€€	Lead	Partner
1.3.6 Provide training opportunities for those in the hospitality industry in astronomy and develop a team of accredited 'night sky' guides.	Short Term	£	KCC, Fáilte Ireland, UCC, CIT, KETB, IT Tralee, Local Communities	KCC, Fáilte Ireland, UCC, CIT, KETB, IT Tralee, Local Communities, SKDP
Support the provision of a Mobile Observatory and/or installation of observatories, at appropriate locations, within the Dark Skies Reserve. This action is to be investigated further at Municipal District Local Area Plan preparation level.	Medium Term	n/a	Fáilte Ireland, KCC	Fáilte Ireland, SKDP, Údarás na Gaeltachta, Local Communities, ACARD
1.3.8 Carry out a Dark Skies assessment for other potential areas of the county. Investigate the possibility of other IDA Designations.	Medium Term	n/a	ксс	SKDP, NEWKD, Fáilte Ireland, SEAI



Coiste Forbartha Pobail Áitiúil Chiarraí Kerry Local Community **Development Committee**



Rural Development Programme 2014 - 2020 - Ireland European Agricultural Fund for Rural Development (EAFRD)

County Kerry

LEADER Local Development Strategy



Kerry - LEADER Local Development Strategy 2014 - 2020.

4.1.7 Rural Tourism - Strategic Action 1.1.b

Rural Tourism - Strategic Action 1.1.b Capital & Marketing.

Brief Description of Strategic Action:

This action will provide Rural Communities and businesses with capital and marketing supports to enhance the rural tourism infrastructure in a sustainable manner, develop new tourism products and services and support entrepreneurship and business development. It is underpinned by the aim that all supports envisaged under this strategic action will ultimately seek to protect the natural environment.

Recreation and Amenity Tourism: Support for the development of marine tourism and water based activities, walks and cycling trails, camping and camper parks at appropriate locations. Seek to have Government and EU support for a 'farmer's dividend' under the REPS or similar schemes for landowners who provide free access to their lands for walking and cycling.

Festivals and Events: Maintain and develop community festivals and events and support collective marketing of smaller festivals.

Culture and Heritage Tourism: Development of heritage trails and craft and food trails at appropriate locations.

Eco Tourism: Support existing and new tourism providers develop their product into Eco Tourism businesses and develop eco based tourism products such as angling, bird watching, whale and dolphin spotting.

Wild Atlantic Way: Provide a range of supports including capital and marketing for communities and businesses to develop and enhance their product offering and develop new ideas that will optimise on opportunities presented by the Wild Atlantic Way and enable communities grow jobs locally.

Astro-Tourism: Support for ongoing development of the International Dark Sky Reserve and optimising spin-off opportunities for the development of local businesses.

Agri-Lourism: Encourage and support the development of on-farm agri-tourism based projects. Tourism Networks & Clusters: Provide a range of marketing supports to local tourism clusters/networks to support and further develop the marketing, branding, promotion and destination building of their regions.

Primary Target Group:

Local Entrepreneurs, Tourism Businesses, Community groups, Walks Committees, Farmers, Tourism Networks & Cluster Groups, Culture and Heritage groups.

Geographic Area:

Co.Kerry - (See also 4.1.32 - 4.1.36).

Organisation who will deliver Action:

This strategic action will be delivered by the LAG implementing partners, South Kerry Development Partnership Ltd, North, East & West Kerry Development Ltd and IRD Duhallow. Each implementing partner will deliver the action in their respective geographic areas. **Collaborating Organisations:**

Kerry County Council, Failte Ireland, Forestry Service, Coillte, Go Kerry, Destination Kerry, LAG member organisations and agencies, Local tourism networks & clusters .

Timeframe for Delivery of Action:

Q2 2016 - Q4 2020

Programme Indicators & Targets:

Kerry - LEADER Local Development Strategy 2014 - 2020.

Skellig Coast Visitor Experience Development Plan Plean Forbartha Chósta an Sceilig ar Eispéireas Cuairteora



FINAL December 2016

WILD ATLANTIC WAY



Recommendations Moltaí

D1. Find Nature's Window to the Past (Dark Skies) / Aimsigh Fuinneog Nádúr Chuig an Am Atá Caite (Spéartha Dorcha): For many, the idea of Dark Skies is inspiring, but the opportunity to experience the feeling is missed. Small steps are needed to help guests see beyond the clouds and their current way of viewing the planets and stars, to allow them to appreciate an ancient storybook in the sky.

omm_....ations

- 1 CATALYST 8: Deliver Dark Skies programmes for visitors and tour operators with the local communities, and promote them in Ireland and internationally with the support of Fáilte Ireland and Tourism Ireland.
- D1.2 Examine the potential of developing a of a mobile observatory in the short term and a permanent planetarium in the longer term, and encourage the establishment of other observatories (including commercial sites), to enable night sky viewing across the region

D2. Feel the Power of the Edge / Mothaigh Cumhacht an Imeall: This could possibly be viewed as the most successfully delivered signature experience on the Skellig Coast at present, as there are numerous products and business operators already delivering this. In order to lift this experience, the next step will be to link the landscape to the story of the people to create journeys and moments of reflection.

Recommendations

- D2.1 Package new walks in line with international best practice to extend the Kerry Way concept and to promote trails of high cultural significance such as the Kimego Forest Walk and Cnoc na dTobar.
- D2.2 Examine the potential of the sustainable development of a **network** of **Blueways**, both coastal and inland, including Cahersiveen to Knightstown and Portmagee.
 - In consultation with stakeholders examine the potential of the lighthouses on Skellig Michael and at Cromwell Point and connect the Lighthouse families with the Knights of Kerry story and the fishing industry of the region.

D3. Have an Up-close Marine Encounter / Biodh Dlúth-theagmháil Mara Agat: With marine encounters rapidly evolving into experiences of 'surprise and delight', new products and places are needed to further develop this experience.

Recommendations

- D3.1 CATALYST 9: Examine the potential of delivering a Sea/Wild Atlantic Centre that is dedicated to the sea based in Waterville and a Marine Education and Citizen Science Facility (WEAVE) in Cahersiveen.
- D3.2 CATALYST 10: Support the continued operation of a marine ecotour from Portmagee, Cahersiveen or Valentia Island as an alternative or addition to the Skellig Boat journey (including Puffin Island and the Kerry Cliffs), and to Beginish Island and Knightstown.

Skellig Coast | Visitor Experience Development Plan

Other Dark Sky Actions by Council

- Hosted Dark Skies Information Day in Cahersiveen. Speakers included Brecon Beacon Dark Skies Team from Wales. 120 local people attended.
- Organised UCC accredited star gazing guide courses for locals
- in 2016 and 2017. 60 people now accredited.
- Have retro-fitted public lighting in all villages within dark sky reserve with dark sky compliant lighting. This work will continue in 2018 and 2019.
- Set up expert working group to develop a mobile observatory as a *shared resource* between communities within the Dark Sky Reserve.
- Supported numerous events Skellig Star Party, Messier Marathon, Visit of Vatican Astronomer, media visits.



Graduation Ceremony of Star Gazing Guides in UCC, 26 April 2016

The Tourism Unit, Kerry County Council and the Destination Kerry Tourism Forum

WELCOMES YOU TO

STAR POWER

Astronomy Course Organised by University College Cork & Cork Institute of Technology

26th to 28th February 2016

Image: Answer Stream of the stream of the

Skellig Star Party

Europe's Darkest Skies

SCHEDULE 2016

MESSIER

Charles MESSIER catalogued 10 night sky objects in the 1700s

Join top notch astronomers attempting to observe them all in one night n the Kerry International Dark Sky Reserve

Keynote speaker Dr Matthieu Husson of the Observatoire de Paris Planetarium Shows from CIT Blackrock Castle Observatory Astronomy Equipment Stand with Ktec Telescopes. Special deals with Hostels Guest House and Hotels.

MARCH 24TH/25TH 2017

kerrydarkskytourism@yahoo.ie | facebook.com/messierkerry





IMMERSE YOURSELF IN ON THE EMER

sanctuary not far from the UK in south. Dark-Sky Reserve. Greg Smye-Rumsby & Rachel Lovera report.

Orion stands magnificent against a truly dark background, revealing faint stars not normally seen by the naked eye from many locations. Image: Gareth Loughran (www.filtersforcameras.com/ www.iam.gl)

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Home News 3

A new high-tech all-weather observatory is due to hit the road in Kerry giving visitors the chance to experience presentations on the dark-sky environment. Amateur astronomer George Doyle (above) has photographed the area's skies extensively

Mobile observatory aims to be star tourist attraction

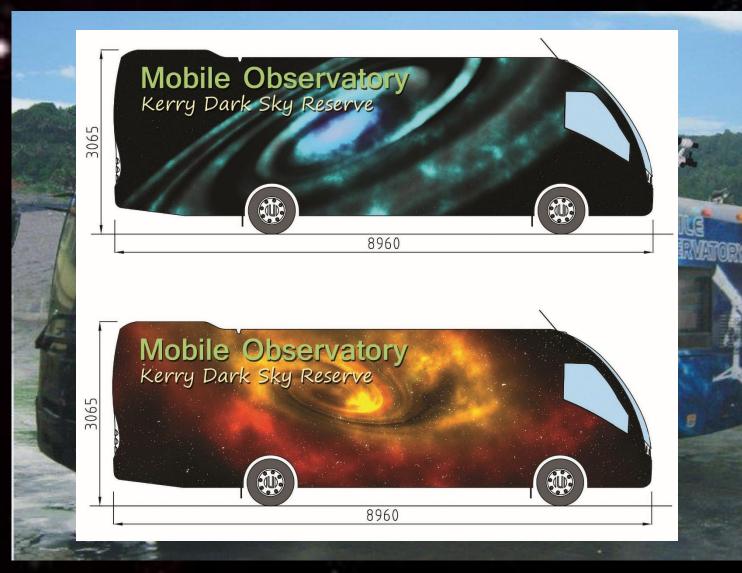
nd ng in- gh	Project hopes to take Kerry International D		Failte Ireland is promoting it too, as it says astrotourism is a growing area, with more city dwellers wanting to see the constellations.	cording to St er locals who velop the dar "There is g of the whole
sts nd 28 il.	ANNE LUCEY Plans for a one-off mobile coher- vatory: the first of in bindin this top care under way in Kerry. The observatory would operate day and night in all weathers, and could be moved through the throusands of touriste regret monaste island of Skreine in Bark Sky Reserve. While throusands of touriste regret monaste island of Skreine is location for the Start Warr films, hundreds are now also feeling the force of the Skelligs are bacause of its status as an intermational gold standard in the northern hemisphere, and one of only three in the	It received the accreditation in early 2014 from the Interna- tional Dark Sty Association, based in the US, after submis- definition of the state of the state trailer. Backed by mountains and stretching towards the sea, the area from Kells Bay to Sneem and out into the Atlantice as far international Dark Sty. Re- serve has rare night sky clarity and is the least inght polluted in the world, the association found.	The tourism section of Kerry County Council has set the pro- vision of a mobile planetarium as "a key objective" to achieve before 2022: Cost-effective There had heen plans for per- manent planetariums in Valen- tia Island at the end of the Iver- agh peninsula and along south Kerry. However, the benefit of a mobile observatory was that it would nove around from Por- magee to Kells to Knightstown	eliminating i such, "aid M There is town in that ry, only occa "a pristine en serving thes! UCC-accr courses intro and involving been held th Island. On March weekend of reserve pla
	world.	ical Society all making an input.		Ter

THE IRISH TIMES Saturday, May 20, 2017

us be cost-effective, ac totSever Janott andoth is whoare helping strangtown in termational stargagests for a wheat strangtown in the transformer of the strangtown in the transformer strangtown in the transformer of the strangtown in the transformer strangtown in the transformer of the strangtown in the transformer strangtown in the transformer of the strangtown in the transformer strangtown in the transformer of the strangtown in the transformer strangtown in the transformer of the strangtown in the transformer strangtown in the transformer of the strangtown in the transformer strangtown in the transformer of the strangtown in the transformer strangtown in the transformer of the strangtown in the transformer strangtown in the transformer of the strangtown in the transformer strangtown in the strangtown in the strangtown in the strangtown in the transformer strangtown in the stran

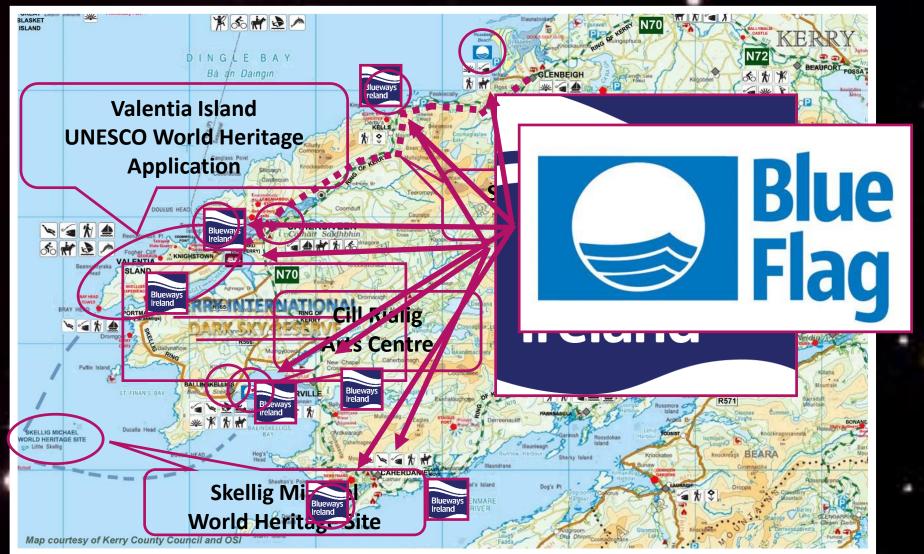
volkswagen.ie/172

Visit of Bro. Guy Consolmagno, SJ, Director of the Vatican Observatory to Kerry., October 2017



Mobile Observatory

Other Kerry County Council Initiatives in Skellig Region



Ingredients for Success

- Identify Product Gap and provide Unique Offering
- Be ambitious. Think outside the box!
- Strong Community Involvement
- Strong Elected Member Support
 - Cultivate Relationships with Community Groups, State Agencies, Third Level Institutions, Expert Groups in Ireland and overseas.
 - Shared Vision
 - Staffing and Resource Commitment by Council .. coupled by
 - Resource commitment by Partners



Gura Maith Agat

THANK YOU