

# Thinking Green Digest 2016



Department of the Environment,  
Heritage and Climate Change

HM Government of Gibraltar





# Thinking Green

## Digest 2016

Produced by the Department of the Environment,  
Heritage and Climate Change (DEHCC).

This document provides an overview of some of the work carried out during 2016 by DEHCC, as well as other information relating to our environment.

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## Minister's Foreword

The importance of the environment is becoming increasingly obvious, and its proper governance is increasingly relevant to every community in the world. From the devastating effect of severe weather as a result of man-induced climate change to the way that plastic waste is destroying our oceans, there is not a single person who will not be touched by the environmental consequences of human activity. There is nowhere to hide. To repeat what is becoming a popular adage, there is no Planet B. There is no Gibraltar B either.

The Government of Gibraltar, in particular its Department of the Environment, Heritage and Climate Change, is working hard to both address these environmental issues and to ensure that the community feels that the environment is directly relevant to their lives. In doing so, it works with environmental NGOs, business and other organisations, all of whom are major stakeholders in the way our community – and the world – progress on these fronts.

We have a duty to ensure that our living environment improves – our air and water quality, our state of cleanliness, our biodiversity – and we must at the same time play our part as part of the global community.

This Digest summarises some of the work that is currently being done in Gibraltar, and offers what I believe is useful information. I hope that it will also arouse curiosity, which will be followed up by readers contacting the Department either for more information, or with a desire to be involved.

The environment belongs to all of us, and we must all of us contribute to improving and maintaining it.

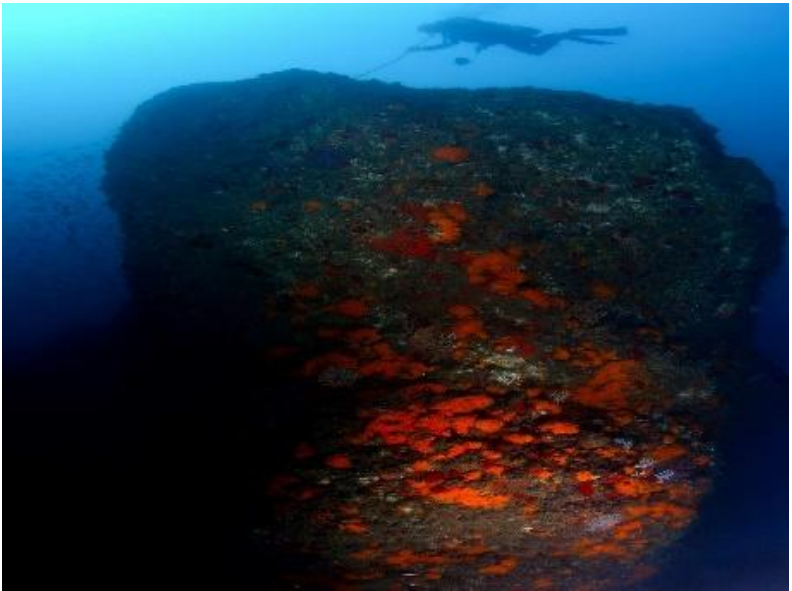
With my best wishes

A handwritten signature in blue ink, appearing to read 'John Cortes', with a stylized flourish at the end.

Prof. John Cortes MBE, C.Env

Minister for Education, Heritage, Environment, Energy and Climate Change  
HM Government of Gibraltar

# Our Natural Environment





## Marine Conservation Zone

Gibraltar's first no fishing and anchoring zone was established by DEHCC in the area known as Seven Sisters.

The initiative formed part of the wider marine conservation programme being carried out by the Department following publication of the Marine Protection Regulations in 2014.

Seven Sisters is within the Rosia Marine Conservation Zone (MCZ) which is renowned for its marine biodiversity. EU protected reefs and species, such as the Mediterranean Ribbed Limpet and the large Noble Pen Shell, in addition to a vast array of corals, gorgonians, seabirds and other locally protected marine species are all found in this unique marine site. This MCZ also hosts several artificial reefs that were laid during the 1980s by the GONHS's Marine Section of the Gibraltar Ornithological and Natural History Society (GONHS).

DEHCC monitors the ecology of this recently protected zone and examines the positive contribution of this designation towards the surrounding environment.



## Bluefin Tuna Fishing Season

The open season for Bluefin Tuna in British Gibraltar Territorial Waters (BGTW) commenced on 16<sup>th</sup> June 2016 and ended on 14<sup>th</sup> October 2016. Anglers were reminded that a Class K licence was required to fish for Bluefin tuna in Gibraltar. Licence application forms are available online from DEHCC's webpages under HM Government of Gibraltar's website (<https://www.gibraltar.gov.gi/new/marine-protection-%E2%80%93-permits>).

A total allowable catch of 13 tonnes was set.

A dedicated office and landing point was also created within the North Mole (No. 1 Jetty). Anglers were advised that all tuna catches were to be reported and weighed at the landing point. Vessels would be able to dock and report any tuna catches between 08:00 and 14:30 (Monday to Saturday). Any catches outside these hours also needed to be reported and weighed, and an on-call landing point service was provided.

Details on minimum weights and sizes are set out in the Tuna Preservation Regulations 2014 and all anglers are required to become familiar with these before fishing for Bluefin Tuna.

## Humphrey the Humpback Whale

During the month of March 2016, a juvenile Humpback whale was seen on numerous occasions in the Bay of Gibraltar.

All whales are protected under Gibraltar Law and our Cetacean Protocol. Under these laws, the free movement of cetaceans must be permitted at all times and in all directions without limiting their freedom of movement by intercepting their trajectory, cutting across their path or passing through one of their groups.



## Windsor Bridge at Royal Anglian Way

A new 71 metre long suspension bridge, The Windsor Bridge, was constructed in the area of Royal Anglian Way. In addition to enhancing the Upper Rock, this new suspension bridge will also add value as a tourist attraction for locals and tourists alike.

The spectacular engineering feat, constructed over a 50m gorge, forms part of HM Government of Gibraltar's refurbishment programme of the Upper Rock within the Gibraltar Nature Reserve.

The suspension bridge will form part of a sustainable tourism initiative, which includes the clean-up and restoration of Upper Rock walks to encourage a healthier lifestyle through more outdoor activities. This will complement the innovative Nature Lover, History Buff, Monkey Trail and Thrill Seeker trails, marketed as part of a concerted drive to rebrand the Upper Rock and upgrade tourism infrastructure.

As with the restored walks and paths, the suspension bridge offers residents and tourists the opportunity to experience Gibraltar's primary natural asset and renovated heritage features in a new and exciting manner.





## Barbary Macaque Population Management

As of autumn 2016, the Macaque Management Team, run by DEHCC and includes the GONHS and The Gibraltar Veterinary Clinic, introduced surgical contraception by way of laparoscopy. The control of the population, which is necessary in a small, densely populated area as is Gibraltar, is best carried out by means such as contraception. While contraceptive implants have been used for several years now, they are of limited duration and sometimes not totally effective.

In late 2016, veterinarian Mark Pizarro treated fifteen female macaques from most of the groups on the Rock. The females are carefully selected by the team, always ensuring that these are females who have already had one or more young. In this way, they are not denied the opportunity of becoming mothers which is important in macaque society. The numbers of females sterilized in this way is also limited, to ensure that there will always be some females within every group which will bear young.





This method will have the long term effect of reducing population growth, while allowing social structures to remain largely intact and therefore, not threaten the continuation of the Gibraltar Macaque population.

Correct management of our macaques is essential, not just to reduce the nuisance they can cause in built-up areas, but because they are an endangered species as well as an asset for Gibraltar.



## Upper Rock Monkey Proof Bins

Monkey proof bins were designed by Jared Peralta as part of his Design & Technology A-level course in 2014. The concept was presented to Minister for the Environment, Prof. John Cortes, as a way of helping to improve the co-existence between humans and our renowned Barbary Macaques.

During 2016, new 'monkey-proof' recycling bins were placed at strategic points around Gibraltar. The bins were located at:

- Trafalgar Cemetery;
- Queens Balcony;
- Apes Den; and
- Princess Caroline's Battery

'Monkey-proof' means that the macaques are not able to create a mess in the area and, in the case of bins outside the Upper Rock; the lack of access to refuse will discourage the macaques from staying in the area.

The Monkey-proof recycling bins have four compartments for the disposal of glass, paper and cardboard, plastics, cans and Tetra Brik, as well as general waste.

Gibraltar has an obligation to meet recycling targets (50% of all waste to be recycled by 2020) and the public is encouraged to separate its waste and make use of these bins. Using recycled products saves on energy consumption, limits resource depletion, and reduces the amount of unnecessary waste that goes into landfill, all of which helps to reduce air and water pollution globally.





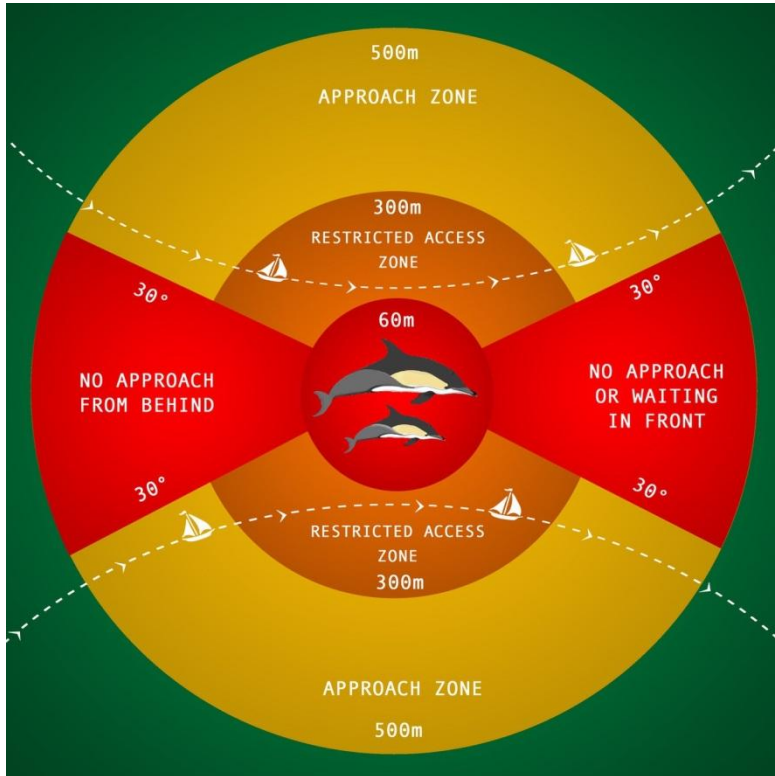
## Cetacean Protocol

DEHCC would like to remind all recreational boat users of the need to adhere to the Cetacean Protocol. The Department's Environmental Protection & Research Unit closely monitors vessel activity within BGTW to ensure that the requirements of the Protocol are being met.

Anglers targeting Bluefin Tuna were advised that casting any lines close to dolphins may cause them serious injury. Several species of dolphin use the Bay of Gibraltar as feeding and calving grounds. Gibraltar is responsible for their protection in BGTW, and they are in fact protected by law in Gibraltar and internationally under ACCOBAMS (Agreement on the Conservation of Cetaceans in the Black Sea, Mediterranean Sea, and Contiguous Atlantic Area). Anglers were reminded that popping in dolphin pods in a manner that can cause injury may result in their fishing licenses being revoked.

The Cetacean Protocol was introduced in 2014 as part of the Marine Protection Regulations and its objective is to protect dolphins and whales in BGTW. Vessels are required to maintain a minimum distance of 60 metres from any dolphin or whale whilst navigating in BGTW. The Protocol also establishes a 500 metre radius from the animals within which vessels must travel at a constant speed of no more than 4 knots or no greater than the slowest animal in the group.

For further information on the Cetacean Protocol or to report any breaches of the Protocol please contact the Department's Environmental Protection & Research Unit on 58009620.



## Operation Spear Watch

The Environmental Protection and Research Unit carried out operations, over a period of two months, targeting illegal spearfishing activities in BGTW.

The initiative resulted in two separate cases involving four spear fishermen within the first couple of weeks. The individuals were reported for process and were found to be in contravention of the Marine Protection Regulations.



DEHCC encourages all those who wish to undertake any type of fishing activity within BGTW to become acquainted with the Marine Protection Regulations. The Guidance Booklet on these Regulations can be found within the Marine Protection Permit's webpage, under the DEHCC section on HM Government of Gibraltar's website.



Department of the Environment  
HM Government of Gibraltar

## Marine Protection Regulations 2014

*What you need to know..*

### Summary of Permit Types

Class A: Fishing with longlines	3
Class B: Recreational fishing with rod and line	4
Class C: Spearfishing	7
Class D: Fishing competitions	7
Class E: Sport fishing operator	8
Class F: Diving	8
Class G: Diving operator	9
Class H: Dolphin tour operator	9
Class J: Species in need of strict protection	10
Class K: Tuna	11

2

## DEHCC Divers Qualify as Scientific Divers

Two divers from DEHCC qualified as Scientific Divers during August 2016. This qualification follows from a Global Underwater Explorers course undertaken during 2015 whereby the Department's divers became proficient in dive planning, buoyancy control, trim, team awareness, gas management and decompressions, taking them into technical diving. Mr. Clive Crisp and Mr. Karl Netto undertook a rigorous week long course with the University of Algarve's Centre of Marine Sciences. This resulted in both divers obtaining a diploma from the institution.

New methods and skills were learned and refined on scientific data acquisition, project planning, data management and diver safety. The underwater sciences taught through this course included biology, archaeology and geology.

The course covered a wide array of topics including:

- Site marking and assessment with navigation and line survey techniques;
- Data management and drafting of maps whilst underwater, archiving data and producing site and survey reports;
- Methodologies: including site sketches, marking and measuring, laying baselines and transects, the use of quadrants and photo quadrants, creating photomosaic, video census, offset measurements, trilateration, density cover, creating grids underwater with the use of spools, using airlifts and liftbags.



The Department's Dive team continues to monitor our underwater environment throughout BGTW and apply their latest set of skills for the benefit of nature conservation.



## Britain's Treasure Islands Documentary Series

Gibraltar's wildlife and natural environment featured in a documentary series aired by the BBC showcasing the biodiversity, culture and history of the United Kingdom's Overseas Territories.

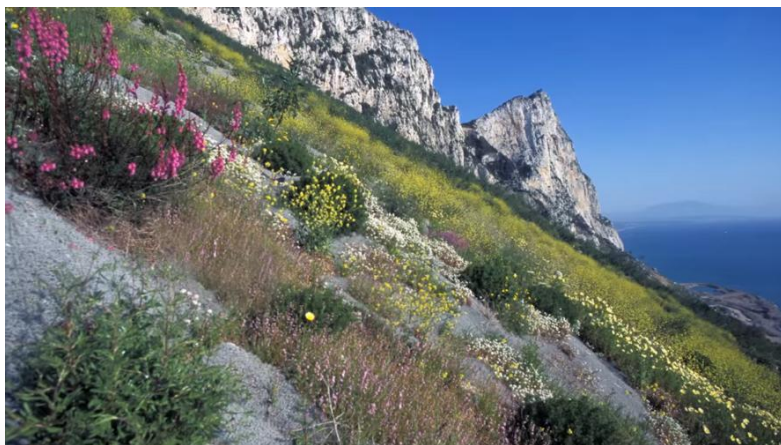
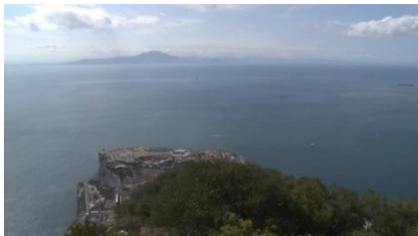
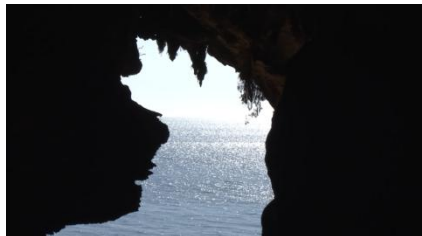
Stewart McPherson, a well-known naturalist, spent four years filming the unique plant and animal species as well as the fascinating cultures and rich history found in each of the Territories.

Scattered across all seven seas, the Territories cover an area seven times the size of the United Kingdom. They are home to around 270,000 British subjects and harbor twenty times the UK's biodiversity, including many of the greatest wildlife spectacles on Earth. The UK's Overseas Territories are spread across a range of latitudes that extend from the equator to the South Pole and are home to every major habitat type, including rainforests, coral reefs, volcanic deserts, polar tundra and icy wastes.

Gibraltar is featured in Episode 3 of the series which aired on BBC4 in April. The episode was filmed and produced in collaboration with a number of Gibraltar stakeholders, including DEHCC, the Gibraltar Ornithological & Natural History Society and the Gibraltar Museum.

In addition to the documentary series, a dedicated website was also created ([www.britainstreasureislands.com](http://www.britainstreasureislands.com)) that includes information and hundreds of photos relating to each Territory, as well as 42 short 'mini-documentary' films that can be viewed online.





## Barbary Partridge Re-Population

DEHCC, together with the Gibraltar Ornithological and Natural History Society (GONHS), released during September another fifty Barbary Partridges in selected areas across the Gibraltar Nature Reserve as part of the continued efforts to safeguard the species locally. The birds were bred in a purpose-built breeding and release facility which is proving to be extremely effective as shown by an ongoing monitoring programme.

The Barbary Partridge has long been one of Gibraltar's emblematic bird species whose numbers had decreased over the past two decades.

As a result of the collaborative project between DEHCC and GONHS, the local population is now recovering steadily and even showing signs of inhabiting new habitats within and outside the Reserve network. The re-population programme forms part of the Gibraltar Nature Reserve Management Plan which also includes the re-introduction of other species known to have previously inhabited Gibraltar.





*Nicholas Ferrary*



*Nicholas Ferrary*



*Nicholas Ferrary*

# Energy

Predictions show a 65 percent increase in energy demand by 2050. To ensure a path to a stable climate, the world must increase its renewable energy development dramatically. With smart large-scale planning along the way, we can ensure this development solves the challenge of “energy sprawl”—the land and water area required for energy production. In doing so, we can reduce the land-use footprint of needed energy sources, safeguard ecosystem-services and biodiversity, and even potentially accelerate the transition to renewables.

*The Nature Conservancy*



## Energy Efficiency in Government Affordable Housing Schemes



The latest developments of Beach View Terraces and Mons Calpe Mews saw the installation of specific energy efficient technologies in order to contribute significantly towards the overall 'A' energy rating of each building and therefore all the flats within. The removal or replacement of any of the energy efficient technologies would result in a decrease in this energy rating and lead to an increase in the running costs of the property.

All apartments were fitted with air source heat pump water heaters. In contrast to standard electrical heaters, this equipment uses the heat pumps to transfer heat from the surrounding air to the water, thus reducing electricity demand. This can result in approximately a 70% saving when compared to a standard electrical water heater.

All new home owners were provided with an operator's manual which explains the features. It also explains how to maximise the environmental benefit of these features, whilst minimizing the running costs of the property for its owners.



## Earth Hour



Earth Hour is a global environmental movement of WWF that mobilises hundreds of millions of people to make a difference for the planet. Its core vision is to create environmental impact by utilizing the power of the crowd.

The massive global movement, which began as a simple lights-off event in Sydney in 2007, has grown to engage hundreds of millions of supporters in more than 7000 cities and towns in over 172 countries and territories worldwide. From Sydney Opera House to the Eiffel Tower; from the Empire State Building to Big Ben; nearly all major landmarks across the globe take part each year, including Gibraltar.

Earth Hour was celebrated on the 19<sup>th</sup> March in 2016, between 8.30pm and 9.30pm. In a huge symbolic display, lights across the globe were switched off for one hour in a show of solidarity in the fight against climate change.

In Gibraltar, our iconic Moorish Castle and North Face of the Rock remained unilluminated for the entire weekend in an extended celebration of WWF's Earth Hour.

The local community, including local shops and businesses, were also encouraged to switch off all non-essential lighting.



**YOU'RE INVITED**  
**TO THE BIGGEST CELEBRATION OF**  
**OUR BRILLIANT PLANET**

# EARTH HOUR

**SATURDAY 19 MARCH 2016 | 8.30pm**



Switching off and other energy efficiency actions reduce pollution and save power and money.

**Remember – Every Action Counts.**

## Energy Savings Opportunity Scheme (ESOS) Regulations 2016

The Government of Gibraltar introduced the Gibraltar Energy Savings Opportunity Scheme (ESOS) in 2016. These regulations come under the Environmental Protection (Energy End-Use Efficiency) Act 2009. The Gibraltar ESOS Regulations 2016 give effect to Article 8 of the EU Energy Efficiency Directive (2012/27/EU).

The aim of these Regulations is to cut carbon emissions and reduce energy consumption by requiring large businesses to fully quantify their energy use and identify energy reduction measures.

ESOS is a mandatory energy assessment scheme for organisations that qualify as large undertakings. A large undertaking is any Gibraltar undertaking that meets either one or both of the conditions:

- It employs 250 or more people; and/or
- It has an annual turnover in excess of 50 million euros (£38,937,777) and an annual balance sheet total in excess of 43 million euros (£33,486,489).

Organisations that qualify for ESOS are required to carry out ESOS assessments every four years. These assessments are audits of the energy used by their buildings, industrial processes and transport and will help to identify cost-effective energy saving opportunities. The audit must be carried out and overseen, or reviewed, by

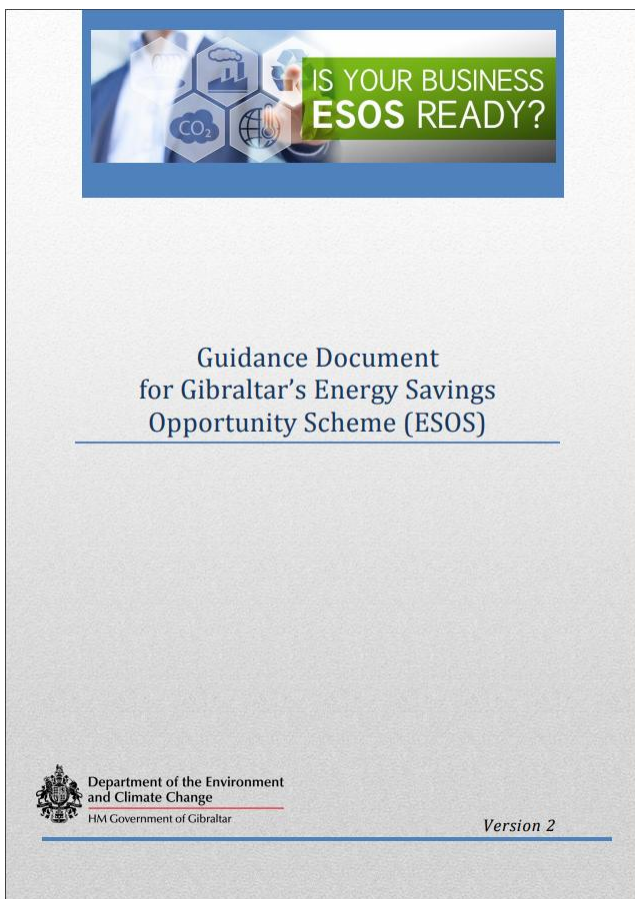


an ESOS Lead Energy Assessor under the Government of Gibraltar ESOS Accreditation Scheme.

DEHCC is the administrative body for this scheme. All necessary information on ESOS, including a list of ESOS Lead Assessors, can be found at the following Departmental webpage:

[www.gibraltar.gov.gi/new/energy-saving-opportunity-scheme](http://www.gibraltar.gov.gi/new/energy-saving-opportunity-scheme)

A full ESOS guidance document is also available.



## Sustainable Business Guide

Over the last decade, businesses have undergone significant changes to their sourcing, processing and marketing operations. Although globalization has benefited the integration of people, companies and government worldwide, it has also encouraged the rapid production, trade and consumption of material goods in unprecedented quantities; which in turn has increased the carbon footprint of these businesses.

Sustainability embodies the ideal of continuing development to meet the needs of the present without compromising the ability of future generations to meet their own needs. Driven by global, national and local legislation, the call for businesses to change and adopt a sustainable approach is louder than ever.

From detailing its benefits to identifying tools of the trade, the Sustainable Business Guide provides a step by step guide on how, why, and what you need to get started on making your business more sustainable.

The guide can be downloaded from our website at:

<https://www.gibraltar.gov.gi/new/publications>

The document is listed under the publications section of the page.



Department of the Environment,  
Heritage and Climate Change  
HM Government of Gibraltar

# SUSTAINABLE BUSINESS GUIDE



*Action for Sustainable Management*

## Energy Performance of Buildings Assessor Training (EPCs)

HM Government of Gibraltar continues to contribute to the fulfilment of Europe's energy efficiency commitments to combat the threat of climate change.

The Energy Performance of Buildings Directive (EPBD) is aimed at reducing the amount of energy consumed by buildings in order to reduce carbon emissions and was transposed by the Environment (Energy Performance of Buildings) Regulations of October 2012. These regulations set the minimum energy performance requirements for new and existing buildings and the provisions for Energy Performance Certificates (EPCs).

The Simplified Building Energy Model Gibraltar (SBEM-GI) was developed by the Building Research Establishment (BRE), as part of Gibraltar's obligations under the EPBD. This is the official Government approved methodology used to calculate the energy performance of dwellings and non-domestic buildings, as well as to carry out building regulations compliance checks.

DEHCC, once again, offered a training course on the SBEM-GI as an opportunity for new individuals to join the list of Government accredited energy assessors for the production of EPCs.

BRE delivered a well-attended three-day course at the University of Gibraltar. The course was available to individuals who have the relevant qualifications and a minimum of 5 years' experience within the construction industry (architects, engineers, energy consultants, etc).

In addition, the ISBEM software was upgraded during 2016 and the new version launched, along with the revised Building Rules Part F and associated Approved Documents.

A refresher course on the ISBEM software was delivered to all government accredited energy assessors in order to ensure the changes were understood and in order to maintain their assessor status.

Ratings - 10 North Great Georges Street - THESIS

General Project Database Ratings Building navigation

Asset Rating

Republic of Ireland: Building Energy Rating

Building Rating Recommendations EPC Audit

	Heating	Cooling	Auxiliary	Lighting	Hot Water	Total	
Actual	218.67	0	6.59	46.4	27.43	299.09	kWh/m <sup>2</sup> /yr
Reference	63.82	0	2.59	46.06	6.26	118.73	kWh/m <sup>2</sup> /yr
Notional	63.82	30.53	1.96	46.06	6.26	148.64	kWh/m <sup>2</sup> /yr

	Reference	Target	BER B-C	Actual	D1	BER Label
kWh/m <sup>2</sup> /yr	227.02	227.02	209.18	489.86		
kgCO <sub>2</sub> /m <sup>2</sup> /yr	50.62	50.62	64.73	104.95	1.694	BER

Calculate BER

BER Certificate

BER Advisory Report

Supplementary Report

Click on text below for...

SBEM Outputs

Data Reflection - Actual Building

Calculation progress: Asset rating completed

Click to check object assignments, there are NO CRITICAL un-assignments in the project

# Climate Change



## Gibraltar Delegation at COP22 in Marrakech

Negotiators and Scientists from over 200 countries were in Marrakech for the UN Climate Change conference, COP22, the first meeting to take place since the signing of the historic Paris Agreement. Gibraltar Government Scientists, Dr. Liesl Mesilio-Torres and Stephen Warr from DEHCC, represented Gibraltar at the meeting, which was also attended by Prof. Daniella Tilbury of the University of Gibraltar.

It was an opportunity for public and private sectors to showcase progress and start the progress of turning the Paris agreement into a blueprint for action.

The conference attracted over 50,000 participants. In addition to the "Marrakech Action Proclamation For Our Climate and Sustainable Development," that was arrived at through the involvement of more than 70 Heads of State, the conference produced a multitude of declarations, initiatives, MoUs, agreements and an unstoppable wave of positive momentum in the fight against climate change.

Amongst the key outcomes was the delivery by the UK and Australia of the \$100 billion dollar annual climate finance roadmap by 2020. More than 110 parties have now ratified the Paris Agreement providing a key political signal towards global commitment to climate action.

# Educational Awareness

Environmental education explains how natural environments function and, in particular, how human beings can seek to manage their behaviour and ecosystems in order to live sustainably. It refers not only to education within the school system but also to all efforts to educate the public, including print materials, websites and media campaigns. DEHCC considers environmental education and awareness to be of utmost importance and devotes a major part of its efforts to this, thus promoting the creation of a better and more sustainable environment.

## World Environment Day

World Environment Day (WED) is an annual event which aims to be the biggest and most widely celebrated global day for positive environmental action. WED activities take place all year round but culminate on 5th June every year, involving people from all over the world.

WED celebrations began in 1972 and have grown to become one of the main vehicles through which the UN stimulates worldwide awareness of the environment and encourages political attention and action. Through WED,



the UN Environment Programme is able to personalise environmental issues and enable everyone to realise not only their responsibility, but also their power to become agents for change in support of sustainable and equitable development. WED is also a day for people from all walks of life to come together to ensure a cleaner, greener and brighter outlook for themselves and future generations.

Gibraltar has now been taking part in the WED celebrations for a number of years.

The WED theme for 2016 was "Go Wild for Life", dedicated to the prevention of the illegal trade in wildlife. UN and world leaders called for zero tolerance on illegal trade in wildlife, including *"urgent action to end poaching and trafficking of protected species of flora and fauna and address both demand and supply of illegal wildlife products"*.

The UN Office on Drugs and Crime's (UNODC) report entitled 'World Wildlife Crime Report' found "that 7,000 species were found in more than 164,000 seizures affecting 120 countries".



## School Presentations

As part of its educational awareness programme, every year DEHCC visits all schools and presents them with an environmental issue. The yearly theme is determined by the United Nations Environmental Programme.

The theme for 2016, the Illegal Wildlife Trade, was very well received by pupils and teachers alike.



Information on the issues surrounding various aspects of the Illegal Wildlife Trade were presented, including deforestation, wild animals wanted as pets and the killing of certain species for uninformed medicinal beliefs.

Here we take a look at just a few of the issues discussed.

## The Pangolin



The Pangolin is a curious mammal which has been dubbed a walking pinecone and modern-day dinosaur. Its tongue is longer than its body and it can consume around 70 million ants per year.

Unfortunately, they are trafficked by the thousands for their scales, which are boiled off their bodies for use in traditional medicine. Their meat is also considered a delicacy as is their blood, which is seen as a healing tonic. Just like rhino horn, pangolin scales are made out of keratin (just like our nails), and therefore does not have any medicinal properties.

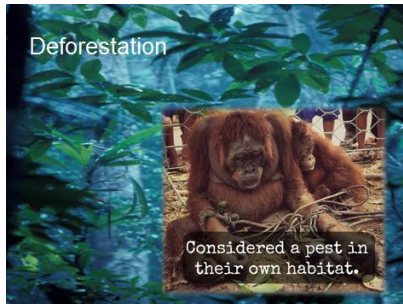
All eight pangolin species are protected under national and international laws, two being listed as Critically Endangered on the IUCN Red List of Threatened Species.

**1 MILLION** Pangolins snatched from the wild in the last 10 years...



The illegal trade of timber and other wood products is rife. Companies and individuals across the world violate laws or evade them in order to maximise profits. This in turn leads to catastrophic environmental effects.

Deforestation is the primary threat to the Orangutan, a species known for its keen intelligence. UNEP predicts that they will be virtually extinct in the wild within the next 20 years if current deforestation trends are allowed to continue.



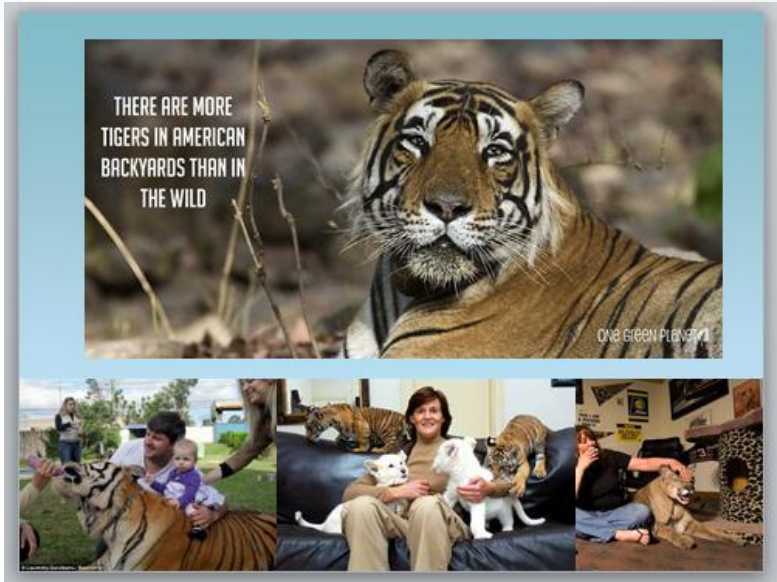
## *Exotic Illegal Pet Trade*



The practice of importing and exporting wild animals as pets has been going on for decades and rarely does it have a happy ending for the animals concerned. This is because those who have chosen to own an exotic pet have not taken into consideration the amount of specialised care these animals require. Many become malnourished, stressed and/or develop behavioral issues as a result of being kept as pets.

Whilst some of the animals involved in the illegal pet trade have been bred in captivity, most are snatched from their natural habitat. Just because we may like an animal does not give us the right to 'own' them.





Today there are fewer than 3,200 tigers living free in the wild. Many tigers are killed for their pelts or for their bones to make wine. Other body parts are also harvested for use in traditional medicines.

Despite the above, more tigers are actually being kept as pets in the USA compared to the number living free in the wild.

## European Mobility Week

European Mobility Week (EMW) takes place every year between the 16<sup>th</sup> and 22<sup>nd</sup> September, with the aim of encouraging sustainable transport measures and inviting people to try out alternatives to car use.

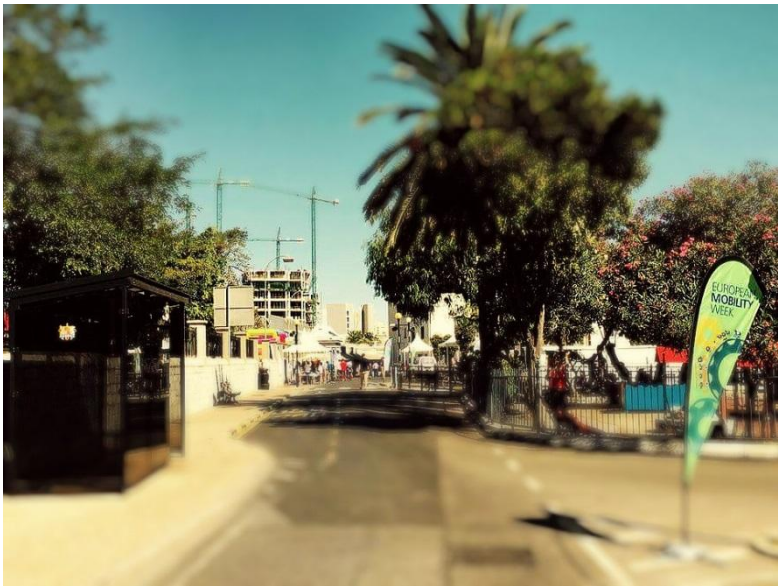
Since its introduction in 2002, EMW has steadily grown, both across Europe and around the world. In 2015, almost 1900 cities from 45 countries participated and organised activities during EMW. Over half of the participating cities implemented permanent measures, amounting to a total of 5657, primarily focusing on mobility management, accessibility and new or improved bicycle facilities. The refurbishment of Wellington Front and the Gibraltar Bus Tracker Web App are just two examples of permanent measures here in Gibraltar. EMW celebrations culminate in a Car-Free Day, where one or several areas are set aside solely for pedestrians, cyclists and public transport for a whole day.





During 2016, the initiative in Gibraltar was spearheaded by DEHCC with the theme “Strong Mobility. Strong Economy”.

As part of the local EMW celebrations, DEHCC organised an “In Town without My Car” Day on Sunday 18<sup>th</sup> September 2016. The event involved the closure of a main stretch of road from Referendum Gate in the south, down Line Wall Road as far as the junction with the Piazza. Access was only granted to public service and emergency vehicles. Activities were held in the area of the road closure between 10am and 2pm.



Activities included:

- a treasure hunt,
- a cycle safety course with the Royal Gibraltar Police (RGP),
- free bicycle checks carried out by the Raleigh shop,
- interactive demonstrations with the Alameda Botanic Gardens team,
- artisan market stalls, and
- a raffle in aid of the GBC Open Day Charity.

In addition to the main event, DEHCC encouraged the public, in the run up to and during EMW, to think about their travel choices. Individuals who travel by active transport modes, such as walking or cycling, are not only more productive at work, they also take fewer sick days and spend less time on average in the doctor's office.

And the benefits go far beyond better overall health. Property values in cities with good cycling facilities and efficient public transport tend to be higher, while children who walk or cycle to school perform better in class.

Every car taken off the road frees up road space for other users, making the experience more pleasant all round. Try walking, cycling, or taking the bus to work or school at least once a week – you'll probably be pleasantly surprised.

## RGP Cycle Safety Course









### Interactive Demonstrations with the Alameda Gardens Team





## Artisan Market Stalls







## Other Local Businesses showcasing other forms of Sustainable Transport



## Barbary Macaque Awareness Day



As part of DEHCC's Barbary Macaque Awareness Campaign, an awareness day was held on Saturday 16<sup>th</sup> January 2016 at the Piazza on Main Street.

The event was jointly organised with Monkey Talk – Gibraltar, who took the opportunity to carry out a 'Monkey Survey'. The result of the survey contributed to the Department's ongoing efforts to better understand the varying perception towards macaques within the local community and, ultimately, how we can best co-exist with them. Monkey cupcakes were available for all those who completed the survey.



The event also served to showcase some of the day-to-day work carried out by the Department's Macaque Management Team as well as the Gibraltar Veterinary Clinic. Staff members were at hand to encourage individuals to learn more about our Barbary Macaques, which are not only an asset, but have also become an inherent part of Gibraltarian culture.



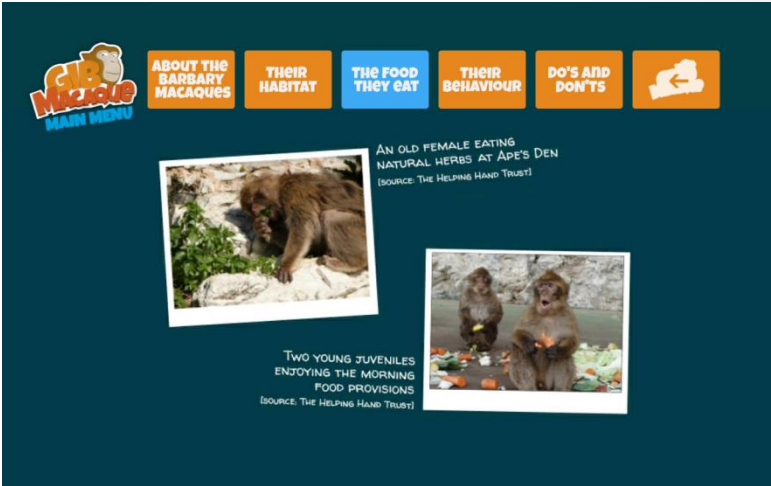
## Barbary Macaque App



Also part of the ongoing Macaque Awareness Programme, the new app on Gibraltar's Barbary Macaque was launched in April 2016.

The Gib Macaque App was designed in collaboration with GONHS, the Gibraltar Veterinary Clinic and Monkey Talk Gibraltar. It provides information on the species, including the history of the Barbary Macaques, their ecology and behaviour, as well as how people should behave around them.

The app is suitable for all ages and DEHCC would like to encourage everyone to download the Gib Macaque App and learn about the Barbary Macaques in a novel way.



Once you've read through the information section, test your knowledge in one of the two games available. If you choose to play the 3D Augmented Reality game, make sure you download the marker from the app and print it in order to play the game. The 3D game will not work without the marker. The marker can also be downloaded from the Thinking Green Website under the KidsZone Games section.





Once downloaded, and your character selected, direct your device's camera at the downloaded and printed 3D marker and you should see the following image on your device:



Don't place your device's camera too close to the marker for a better viewing experience.

The Gib Macaque App is available on Android from the Google Play Store and for iOS platforms from Apple's App Store. For more information, please visit the Department's Thinking Green website ([www.thinkinggreen.gov.gi](http://www.thinkinggreen.gov.gi)) or the Thinking Green Gibraltar Facebook page.

# Recycling Awareness

On the 23<sup>rd</sup> March 2016, DEHCC held a Recycling Awareness day at the Piazza on Main Street.



With an increase in the number of kerbside recycling bins available across Gibraltar as well as the opening of the EcoPark on Flint Road during 2015, raising awareness of the issues behind recycling and why the local community should be actively involved was important.

In addition to minimizing the amount of waste sent to landfill, recycling enables the reuse of resources to make brand new products. This reduces the need to acquire further raw materials.

Check the following pages for a reminder of what can be recycled and where such items should be placed.



WHAT ITEMS CAN YOU DEPOSIT IN THE

# GREEN RECYCLING BINS?

**ALL GLASS JARS  
GLASS BOTTLES  
WITHOUT THEIR  
CAPS & LIDS**

Bottles of wine, spirits, etc.  
Jars of food, jams, etc.  
Perfume and cosmetic  
glass bottles.



All types of glass containers and products can be placed in any green recycling bin once it has reached the end of its useful life.

Should you be disposing of glass jars, remember that the lids (normally made of metal) should be taken off the jar or glass container and placed in the yellow recycling bin.

WHAT ITEMS CAN YOU DEPOSIT IN THE

# PINK RECYCLING BINS?

## **ANYTHING ELECTRIC including:**

Small household items:  
clocks, coffee machines and  
electric toothbrushes.

IT and telecommunications  
equipment: all types of  
phones, computers and  
keyboards, etc.

Toys and leisure equipment:  
video games, car racing sets, etc.

For a comprehensive list  
please visit: [thinkinggreen.gov.gi](http://thinkinggreen.gov.gi)



All electronic and electrical equipment can be recycled in any pink recycling bin once the item is broken and cannot be repaired.

Anything which runs on electricity, obtained from a battery, solar/wind powered or from mains electricity, is classified as an electronic or electrical item.

This includes all types of cables, light bulbs and light fittings as a few examples.

WHAT ITEMS CAN YOU DEPOSIT IN THE

# BLUE RECYCLING BINS?

**NEWSPAPER  
MAGAZINES  
CARDBOARD  
EGG CARTONS  
FOOD PACKAGING  
BOXES**

REMEMBER: Fold empty  
cartons & cardboard  
boxes to make them  
easier to transport and  
place in bins.



Any item made from paper can be recycled in any blue recycling bin.

Please remember to flat pack boxes which are intended for the recycling bin in order to maximise space in the bins for other items.

Discarded envelopes with plastic windows can also be placed in the blue recycling bin as the processing of paper, during the recycling process, allows for the removal of the plastic window.

WHAT ITEMS CAN YOU DEPOSIT IN THE

# RED RECYCLING BINS?

## ALL TYPES OF BATTERIES including:

AAA, AA, C, D, 4,5 volt,  
9 volt and Lantern (Spring).  
Smaller batteries from watches,  
etc, are also recyclable.

NB: Car and other vehicle  
batteries should be taken  
to the Recycling Centre  
at Europa Advance Road.



All batteries should be recycled as these pose a toxic threat to our natural environment.

All household batteries, whether single use or rechargeable, can be deposited in a red recycling bin. These recycling bins are small and therefore can be found attached to one of the other larger recycling bins available.

Please note that portable power banks, those taken to top up your electronic device, can also be recycled.

WHAT ITEMS CAN YOU DEPOSIT IN THE

# YELLOW RECYCLING BINS?

## PLASTIC

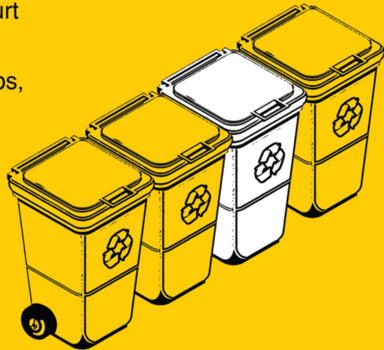
Bottles of water, soft drinks, etc.  
Cleaning product containers.  
Bath/shower gel bottles, yogurt containers, plastic shopping bags, plastic wrappers (from biscuits, etc). Packets of crisps, sweets, etc.

## TETRA BRIK

Tetra Brik packaging from juices, milk, wine, etc.

## CANS/METALS

All types of food tins and cans (tomato, tuna, peas, etc). Soft drink cans.  
Metal bottle caps. Clean aluminium foil and foil trays.



Anything made from plastic, including plastic wrappings and polystyrene packaging which might state that it is not recyclable, can be recycled in any local yellow recycling bin.

All tetra brik packaging, although appearing to be solely made from cardboard, has an internal plastic/metallic coating, which is why it is collected for recycling with other plastic products.

All metal waste products such as cans, tins and even items such as frying pans, can be recycled in the yellow recycling bin.



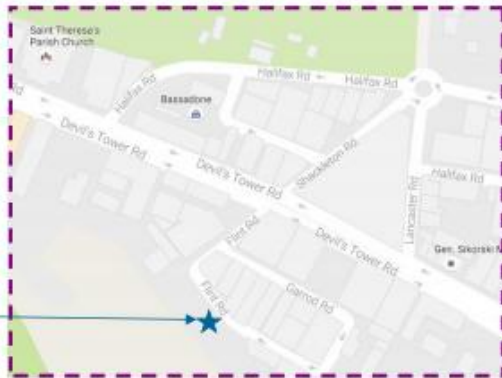
Department of the Environment,  
Heritage and Climate Change

HM Government of Gibraltar

# ECO PARK

**FREE DROP-OFF FACILITY FOR RECYCLABLE WASTE**

Located at 8 Flint Road—Just off Devil's Tower Road



## WHAT CAN YOU RECYCLE?

- **Electrical & electronic equipment (including light bulbs)**
- **Batteries (all types)**
- **Mattresses**
- **Paper & Cardboard**
- **Paint**
- **Tyres**
- **Scrap Metal**
- **Aerosol & Spray Cans**
- **End of life vehicles**
- **Household Bulky items**
- **Waste Oils**
- **Plastics & Packaging**
- **Polystyrene**
- **Greenery**
- **Timber**



### Opening hours

**Sunday-Friday :**  
8am–11.30pm

**Saturday:**  
8am–8pm

*Excluding Public  
Holidays*

For further information  
please contact the Eco Park  
on : 200 75108





