Green Globe

Sustainability and Environmental Projects

Carbon Footprint

https://www.greenglobe.es

Calculating Carbon Footprint

"Towards net-zero carbon emissions"

Who are we?

Meet us

Carbon Footprint

What is that?

- Carbon Footprint (CF) is the total amount of Greenhouse Gases (GHG) emitted by human activities, including both direct and indirect emissions

- It is measured in equivalent tons of CO_2 as a standard to encompass every GHG emission

- CF is a most powerful tool to tackle Climate Change

How we work?

Things done the right way

GHG Protocol is our choice. It is the most reliable and renowned International Standard for tracking and measuring GHG emissions.

ISO 14064 - GHG Protocol
- PAS 2050

01.

Identify GHG emissions

02.

Data gathering

03.

Calculation

04.

Reporting

What to do next?

Achieving carbon neutrality

What to do next?
Action plan

Once Carbon Footprint has been calculated, action must be taken:

Avoid

First is to eliminate GHG sources.

Reduce

If avoiding is not possible, then reduce the emissions.

Compensate

Offsetting CO_2 emissions by means of certified projects

Opportunities for companies

Monetizing carbon footprint

Competitive advantage

- Standing out from competition.
- Meeting client's rising demands.
- Decision-making tool to increase cost effectiveness by means of energy savings.
- Emission Trade Market.

Green marketing

- Growing climate awareness
- Good reputation for the company

Opportunities for the KSA

Monetizing carbon footprint

Opportunities for the KSA

Monetizing carbon footprint

Creating a Kingdom's registre for companies

Where emission data are gathered.

Pollution fees - CO_2 credits trade

KSA's trading system.

Vision 2030 objectives

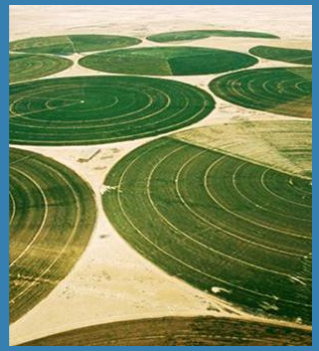
- Achieving net zero emissions by 2060.
- Reducing carbon emissions by more than 278 mtpa by 2030.
- Cutting global methane emissions by 30% by 2030.
- Increasing generation of renewable energy to 50% by 2030.
- Plant 10 billion trees and rehabilitate 40 million hectares of land in the next decades.
- Plant 450 million trees and rehabilitate 8 million hectares of degraded land by 2030.

Sectors

Where carbon footprint is key

Industries

Tourism



Agriculture and farming

Products and commerce

IT

Events

Construction

Services and Banking

Success stories

Carbon footprint of the biggest Spanish film event.
Goya Awards - Carbon Neutral Event

Reduction

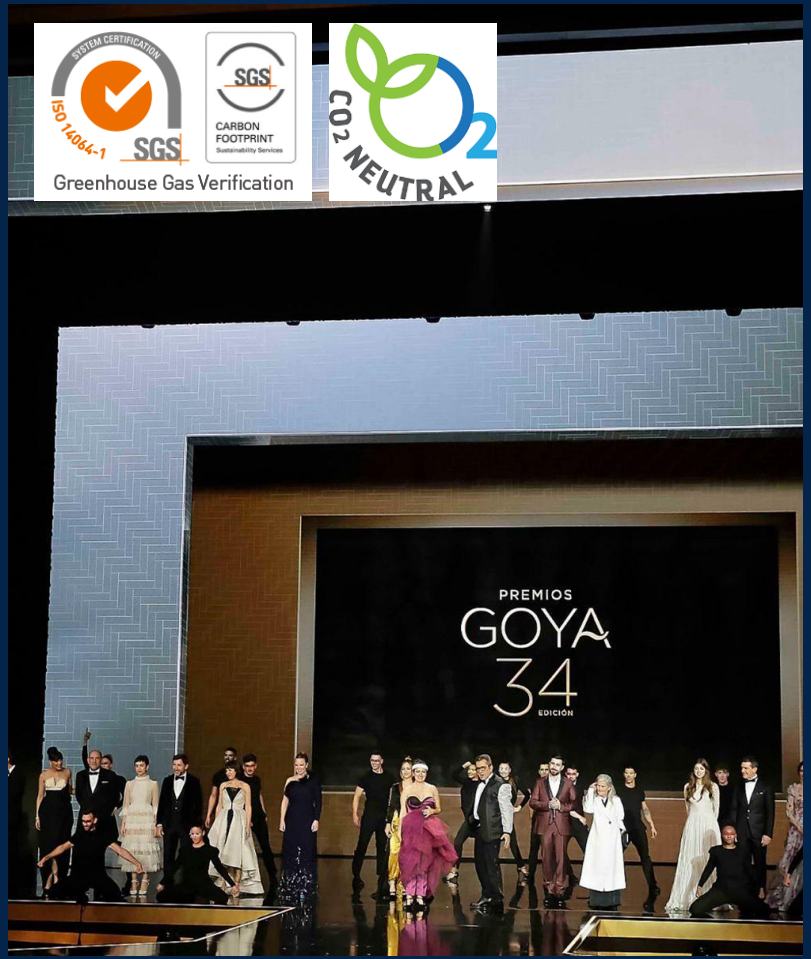
62,34% emissions reduced

Renewable

83,23%of renewable energies

Low Waste

More than 50% reduced



460 tonCO2

tonnes of CO2 offset in forests

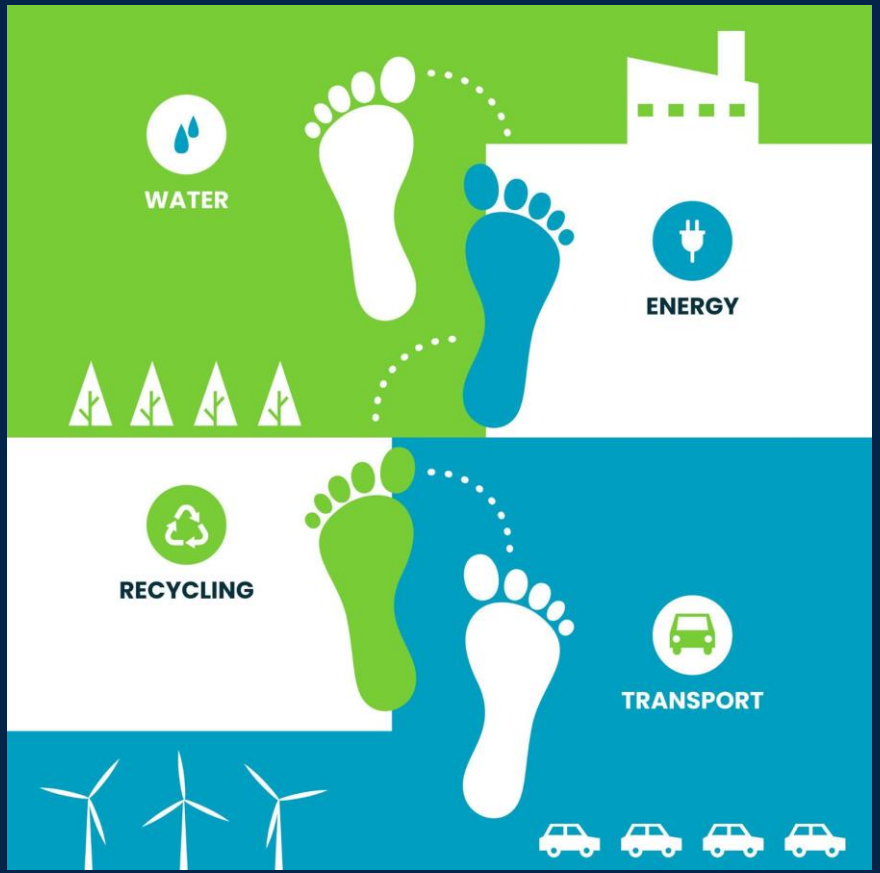
Working with people

Engagement with local entities to promote sustainable development

Spanish green films

Positioning Spanish cinema as an example of environmental commitment.

Technical advice for the creation of the carbon footprint database of the Spanish Ministry of the Environment.



GOBIERNO DE ESPAÑA
MINISTERIO PARA LA TRANSICIÓN ECOLÓGICA Y EL RETO DEMOGRÁFICO

Carbon Footprint database Ministry of Environment

Database

Definition of the database and information to be collected.

Companies and sectors

Companies and sectors that apply to calculate the carbon footprint.

Technical requirements

Technical requirements for companies with regard to carbon footprint.

Monitoring and supervision.

Supervision and monitoring programme.

The Results of Carbon Footprint Database

There are two types of registers: voluntary and mandatory.

Depending on the energy consumption and emissions generated by the companies, they will be either voluntary or mandatory.

The data

734 Companies are mandatory
5.317 Companies are voluntary from 2014 to 2021

Voluntary

More than 25 million tonnes of CO2eq from diffuse sources calculated in 2021 on a voluntary basis.

The government applies tax benefits to companies that calculate their carbon footprint and rewards them in public tenders.

The First Carbon Calculator and Net Zero Emissions for Tourists to come to Costa del Sol, one of the most popular tourist destinations of Spain.

https://www.visitcostadelsol.com/carbon-footprint

ENJOY WITH NO FOOTPRINT

CARBON FOOTPRINT CALCULATOR

7,843.25 CO_2 eqt

offset in the first month of use

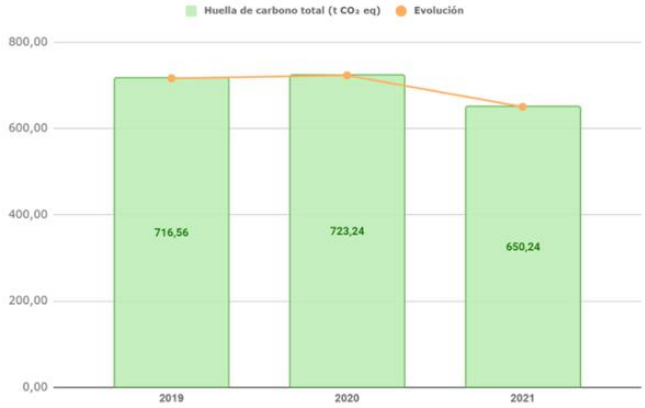
Carbon Footprint Reporting for the public company in charge of Tourism Promotion in Malaga Province (Spain)

ALCANCE 1

Tal y como se ha visto a lo largo del estudio, las emisiones incluidas dentro del alcance 1 se han ido reduciendo desde 2019, en el que las emisiones de GEI derivadas del consumo de combustible fue de 542,66 kg CO_2 eq hasta cero para el año 2021.

La huella de carbono de Turismo y Planificación Costa del Sol se mantuvo prácticamente constante, en cuanto a generación de emisiones de GEI, de 2019 a 2020. Esto se debe a que, a pesar de que la pandemia COVID-19 afectó considerablemente a actividades como los viajes de empresas y la organización y asistencia a eventos, la organización invirtió todos los esfuerzos ahorrados con estas actividades en el marketing y la publicidad. Así mismo, para el año 2021, la huella de carbono presenta una tendencia decreciente, señal de la implantación de las primeras medidas de mitigación y reducción de emisiones.

Gráfico 12. Evolución de las emisiones totales de GEI (2019-2021).



Opportunities

Using technology, big data analytics and business intelligence to promote sustainable tourism.

01.

Tourists can calculate the emissions caused by their trip.

02.

Offsets their CO2 emissions in the territory they visit.

03.

It promotes a responsible destination and fosters the local economy.

04.

The tourist destination is positioned as an example worldwide.

Promotes the recovery of land affected by fires.

It offsets tourism activity in the territory where carbon emissions are generated.

It creates local employment for the recovery of degraded land.

It increases the quality of tourism and positions the destination as sustainable.

Green Globe

Sustainability and Environmental Projects

http://www.greenglobe.es

info@greenglobe.es
Tel: 951 383 947
5 Herman Hesse Street. 29004, Málaga, Spain
31 Princesa Street. 28008, Madrid, Spain.
32 Luis de Morales Street. 41018, Sevilla, Spain.

UNIÓN EUROPEA

Cámara de Comercio de España

Cámara Málaga