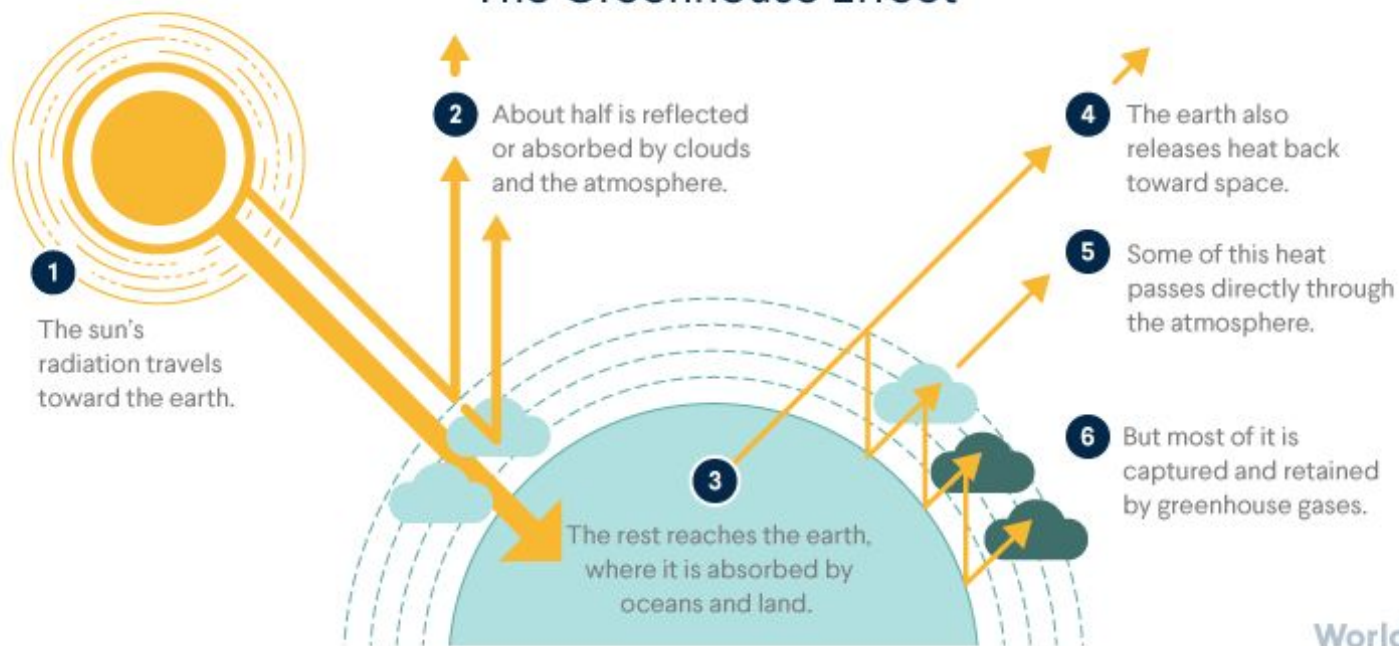




# Carbon footprints

## The Greenhouse Effect



transportation

**Carbon dioxide**



fossil fuel combustion

coal and crude oil

agriculture

**Methane**

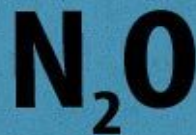


natural gas systems

landfills

cars

**Nitrous oxide**



manufacturing

agricultural soil management

**hydrofluorocarbons**

substitute of ODS



semiconductor manufacturing

**perfluorocarbons**

aluminium production



**sulfur hexafluoride**

electrical transmission



magnesium prod

## Greenhouse gases (GHG) and their sources



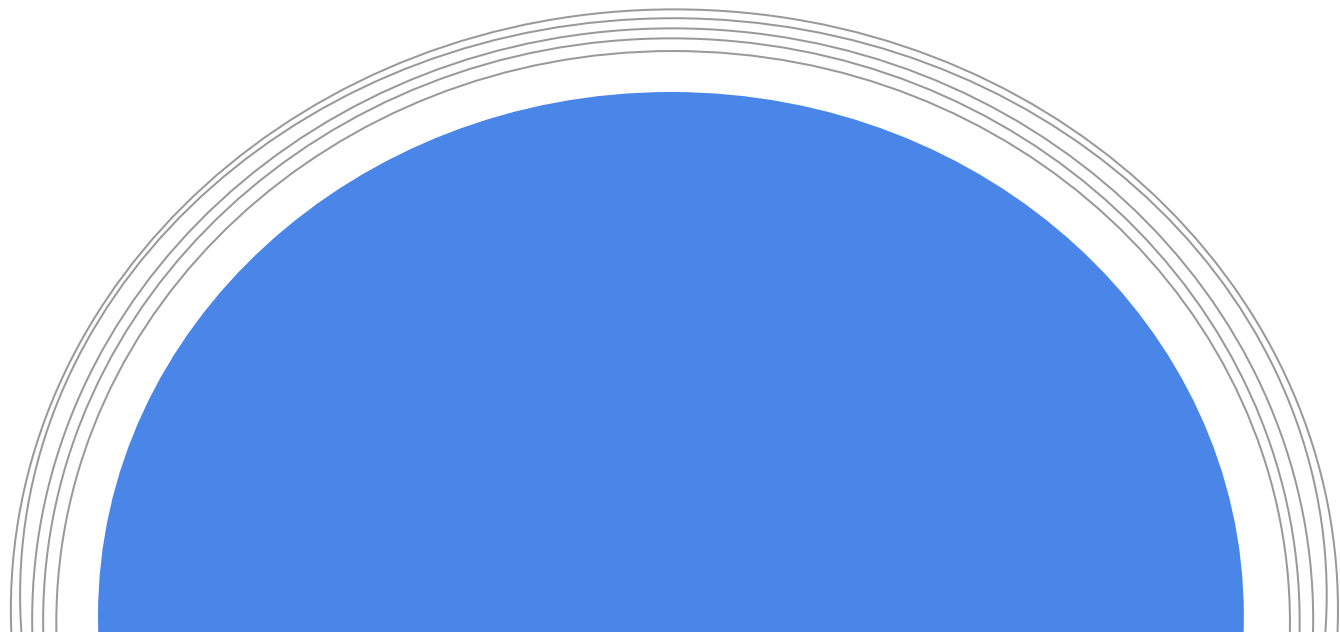
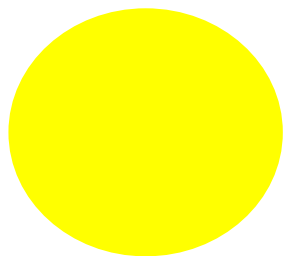
The global warming potential (GWP) of each GHG

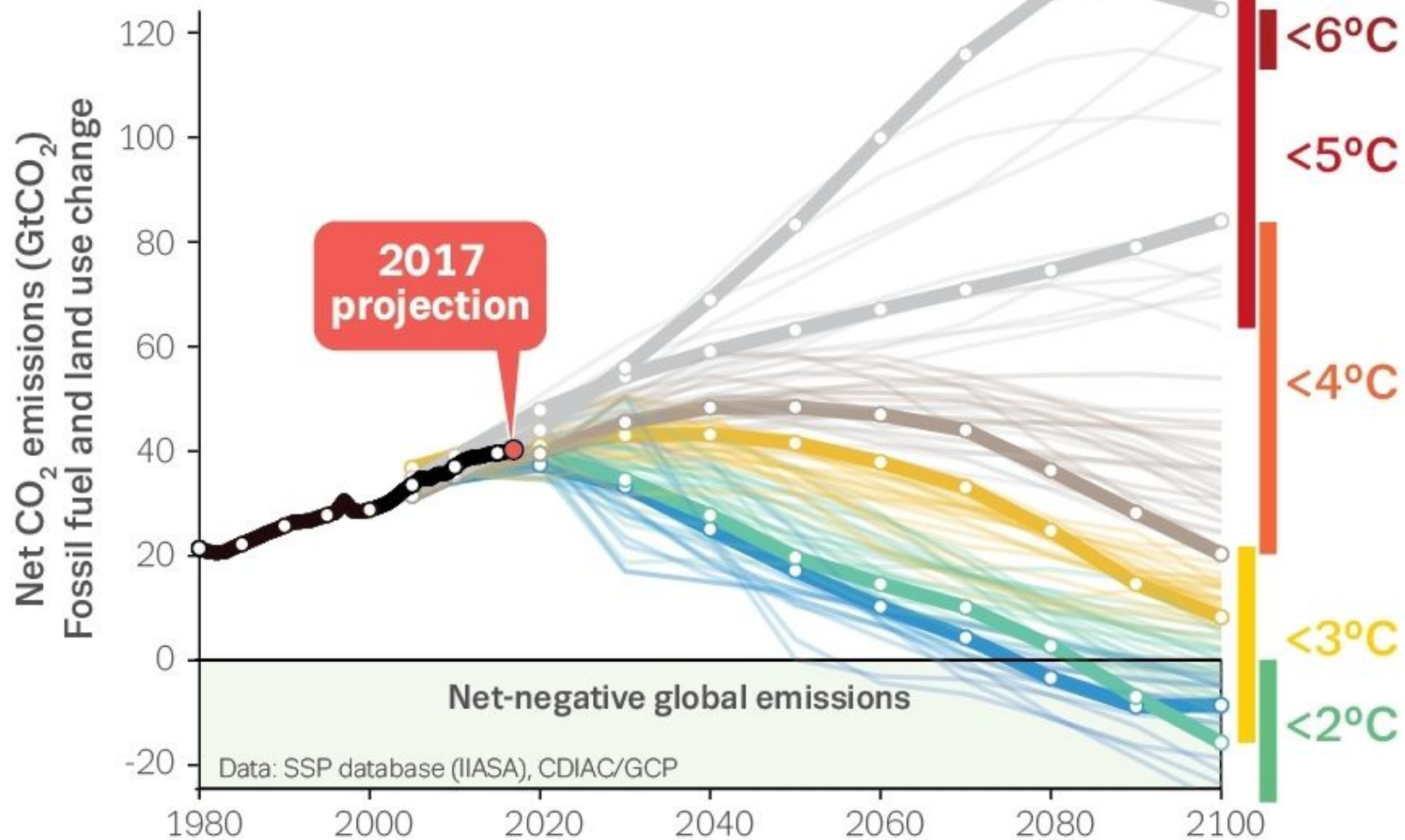
is measured using the equation 'Tg CO<sub>2</sub>Eq'

Each gas's GWP is measured against the reference gas, CO<sub>2</sub>.

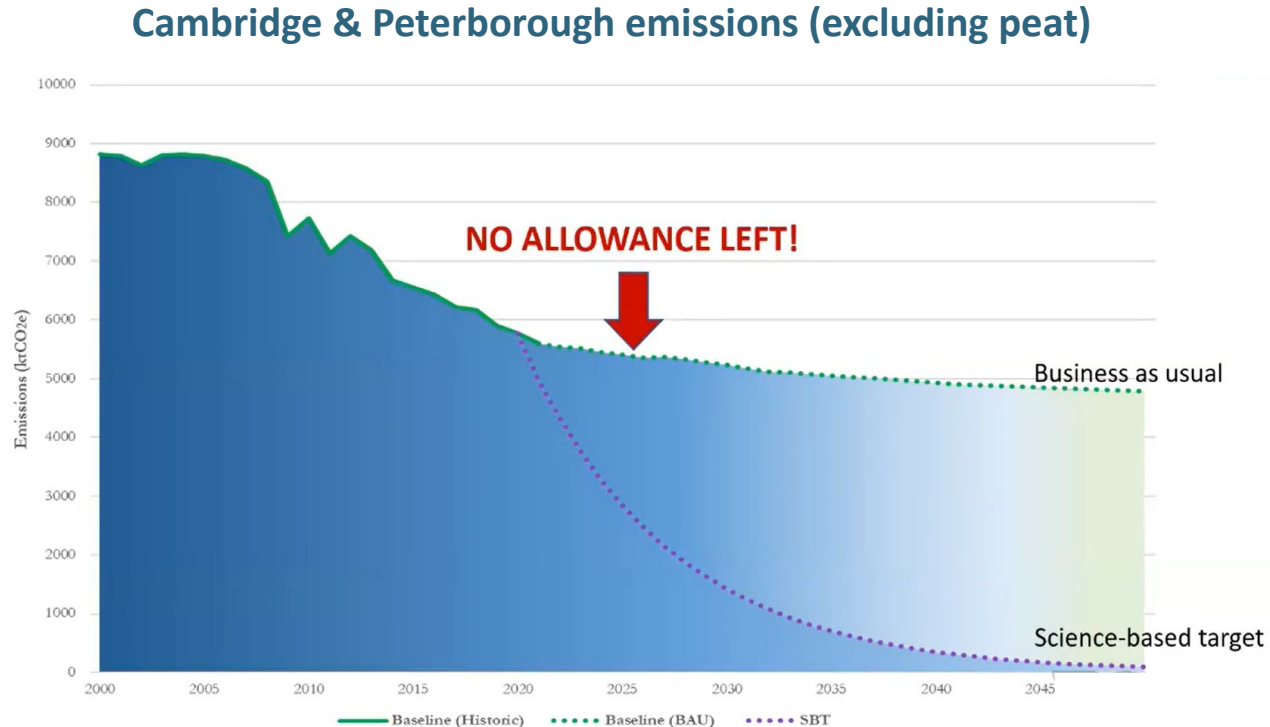
CO<sub>2</sub> is measured in 1 million metric tons.

1 metric ton is 1000 kilograms = average weight of a female giraffe.

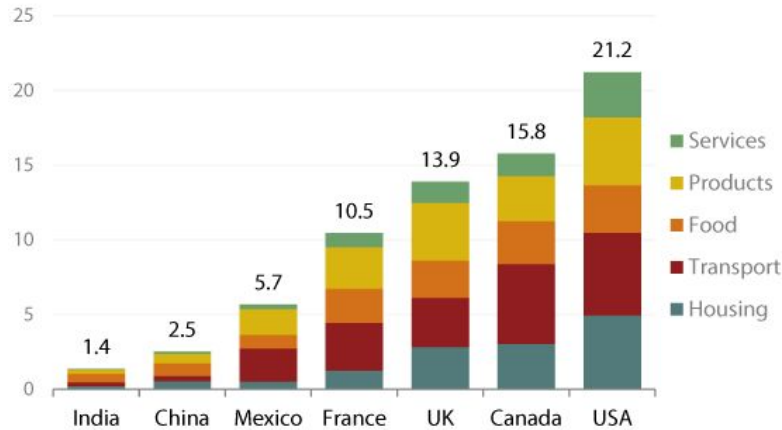




# We only have 6 years left before we exhaust our share of emissions to 2050



SOURCE: PCAN (University of Leeds) for the Cambridge & Peterborough Independent Commission on Climate

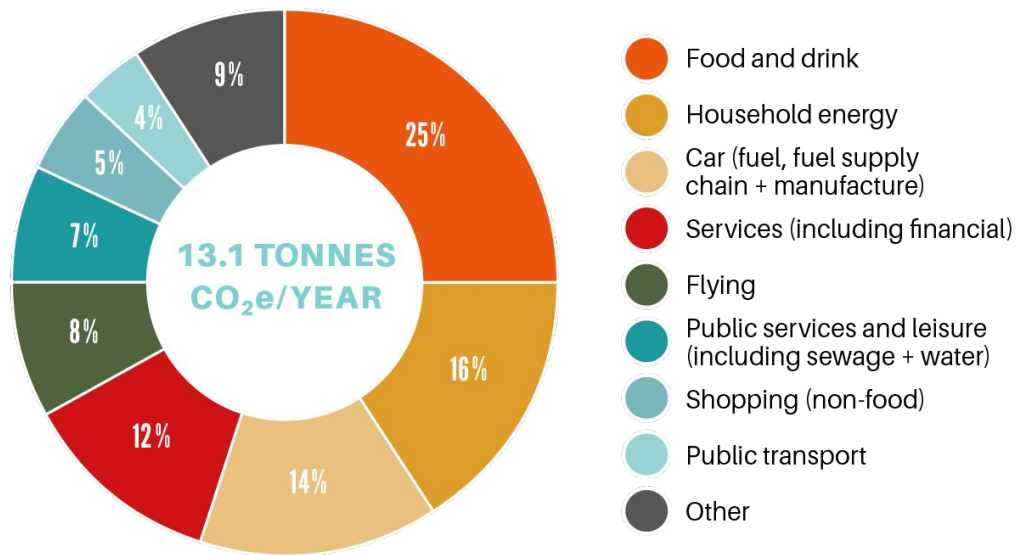


Personal Carbon Footprints: t CO<sub>2</sub>e/capita (2004)

Source: EUREAPA, excludes government and construction

shrinkthatfootprint.com

## AVERAGE CARBON FOOTPRINT IN THE UK\*



\*A **carbon footprint** measures the total greenhouse gas (GHG) emissions caused directly and indirectly by a person. It's **measured** in tonnes of **carbon** dioxide equivalent (tCO<sub>2</sub>e), a standard unit which expresses the impact of different GHGs.

Source: Small World Consulting





**FOOD**



**ENERGY**



**TRANSPORT**



**SHOPPING**



[cambridgecarbonfootprint.org/calculator](https://cambridgecarbonfootprint.org/calculator)

## Carbon Footprint Calculator



Almost everything we do creates carbon\* which, in excess, can damage our climate and environment. The following calculator helps you to find out how much carbon your habits produce.

[Calculate your footprint](#)

\*More on why and how we calculate carbon emissions can be found [here](#).

# Your Carbon Footprint

[Go Back](#)

Your footprint is  
**3.45**  
tonnes CO<sub>2</sub>e  
per year!



That's about the weight of  
**1 Rhino!**

## Your breakdown

Home energy

**0.97**

tonnes CO<sub>2</sub>e



The weight of a **dolphin!**

Food

**1.05**

tonnes CO<sub>2</sub>e



The weight of a **dolphin!**

Travel

**1.16**

tonnes CO<sub>2</sub>e



The weight of a **giraffe!**

Shopping

**0.26**

tonnes CO<sub>2</sub>e



The weight of a **dolphin!**

## Your personal goals

In order to fight the climate crisis we need to significantly reduce our carbon emissions - starting now!  
Sign the Cambridge Climate Change Charter:

[Share](#)

[View your personal goals](#)

[Download](#)

# Your Carbon Footprint



Go Back



Your footprint is

**3.19**

tonnes CO<sub>2</sub>e  
per year!



That's about the weight of

**1 Rhino!**

## Your breakdown

## Your personal goals

### Your personal goals show your pathway to a carbon neutral future

These goals are based on the Committee for Climate Change recommendations.. You can find more information [here](#)



In order to fight the climate crisis we need to significantly reduce our carbon emissions - starting now!  
Sign the Cambridge Climate Change Charter:

Share

Join others in taking action!

Download










Select at least one action to reduce your emissions and at least one to demonstrate climate leadership:

## Measure and reduce my emissions:


## Demonstrate climate leadership:

### Home Energy

(2) selected 




- Switch to a 100% renewable electricity tariff  ★★
- Install solar panels  ★★
- Upgrade my windows to improve insulation  ★★
- Install wall insulation  ★★
- Insulate my loft  ★★
- Eliminate draughts  ★
- Review my household energy use regularly 
- Heat my house to a lower temperature and only when I need it  ★★
- Take fewer baths and shorter showers  ★
- Replace unreparable white goods with extra efficient models  ★★

### Food

(1) selected 

### Transport

(2) selected 

- Walk or cycle instead of taking the car for one journey a week  ★
- Switch as many car journeys as possible to walking, cycling or public transport  ★
- Join or start a car pool for regular journeys like commutes  ★
- Make my next car an electric or hybrid  ★★★
- Join an electric car club  ★
- Sell my car(s)  ★★★
- Work from home more often or at a local co-working space  ★
- Don't fly for leisure in the next 12 months  ★★★
- Replace one holiday abroad with a UK destination  ★★
- Replace a long-distance flight with a shorter one  ★★★

### Shopping

(0) selected 