

Causes and impact

The composition of our naturally insulating atmosphere is being altered by fossil fuels, landscape changes, cement production, agriculture, refrigerants, H2O and more.

We've already observed 1 degree of change and cannot avoid a further rise of 0.8 degrees. Beyond this, we will begin seeing more of the following:

- Extreme weather
- Climate refugees
- Food and water insecurity
- Floods and drought
- Mass extinctions
- Ecosystem collapse
- Irreversible climate change

Responsibility

The role of government, businesses and individuals in climate change:

Governments

- Can create legally binding carbon targets
- Can create low carbon programmes

Businesses

- Can reduce their own carbon emissions to save money
- Create resilience
- Improve reputation
- Engage staff, etc.

Individuals

- Can influence democracies
- Can create impactful communities
- Are also the foundation of governments and businesses

What can we do?

Below are some actions that can be taken at work and at home:

The way we shop

- Only shop when essential
- Upcycle and buy second hand
- Buy from ethical companies

The way we use spaces

- Use green energy tariffs
- Thermostats and insulation
- Switch to low energy lighting
- Turn things off when not in use

The way we travel

- Use public transport more often
- Walk and cycle more often
- Reduce air travel
- Switch to low carbon vehicles

The way we eat

- Buy local food
- Shop in season
- Eat less red meat
- Switch to less packaging
- Reduce food waste

How exactly is carbon measured?

CO2e is a measurement that expresses all greenhouse gases as carbon dioxide.

Examples

UK resident per year = 13.5t CO2e
UK resident by 2050 = 3t CO2e

Annual UK home = 3.3t CO2e
1 Hour TV production = 9.2t CO2e

Perspective

To put these figures into perspective, a London to Glasgow flight would produce 144kg CO2e.

2 hours watching a plasma screen TV would produce 0.1kg CO2e.