

Climate change

Climate <-> weather

What is it?

Natural greenhouse effect

Enhanced greenhouse effect

Climate inertia

Extra greenhouse gas emissions

Fluor gases 2%
Carbon dioxide (CO₂) 76%
Laughing gas (N₂O) 6%
Methane (CH₄) 16%

Tipping elements

Icecaps melt
less light reflection

Permafrost thaws
Extra methane

Causes

Burning fossil fuels (71%)

Change in land use (9%)

Other causes (11%)



Digestion process ruminants
Waste sector

Limestone production and processing

Deforestation

Marsh draining

Agricultural land
Pasture
Monocultures (palm oil, fodder ...)

Mining

Stock breeding

Agriculture

Dealing with the effects

More nature and green

Cooling
Water infiltration

Transport

What can we do?

Get informed

Less products from ruminants



Sustainable electricity suppliers

Solar power

Solar panels
Warm water
Electricity
hydroelectric power station
Water power

Wind turbines
Electricity
Wind energy

Renewable energy sources

The right heat source

Heat pump
Heating networks
Sustainable hydrogen gas

Smart energy use

Low-energy household appliances
Energy efficient LED lighting
Circular economy
Consume less, buy smart, share and reuse
Insulate

Limit and compensate air travel

STOP principle
Stappen (On foot)
Trappen (By bike)
Openbaar Vervoer (public transport)
Personenwagen (passenger car)
right engine

Carbon capture

Forestation
Sustainable forestry
Products with a label for sustainable forestry

Effects

Temperature rising

Extreme weather

Regions under pressure

Nature

Loss of biodiversity

Humanity

Geopolitical tension and conflicts
Mass migration
Worse consequences for poor regions

Stronger tropical storms

Floods
Heavy precipitation
Mudslides

Longer periods of drought and heatwaves

Fresh water shortages

Failed harvests

Weather and climate change

Ocean currents can change

Loss of biotopes

Sea ice melts

Ocean gets warmer

Buffering effect CO₂ absorption decreases

Sea level rises

Floods

Glaciers melt

Fresh water shortages

Sea level rises

Floods

Vulnerable regions e.g. river deltas, islands

Land ice melts

