

CO<sub>2</sub>

A global issue

# What is CO<sub>2</sub>?

carbon + oxygen + oxygen

C + O + O

CO<sub>2</sub>

carbon dioxide

# Why is $\text{CO}_2$ a problem?

$\text{CO}_2$  is a  
“greenhouse gas”,  
which traps heat  
reflected from the  
earth



Too much  $\text{CO}_2$  = global warming

# Consequences of **global warming**

Climate can change  
on all continents

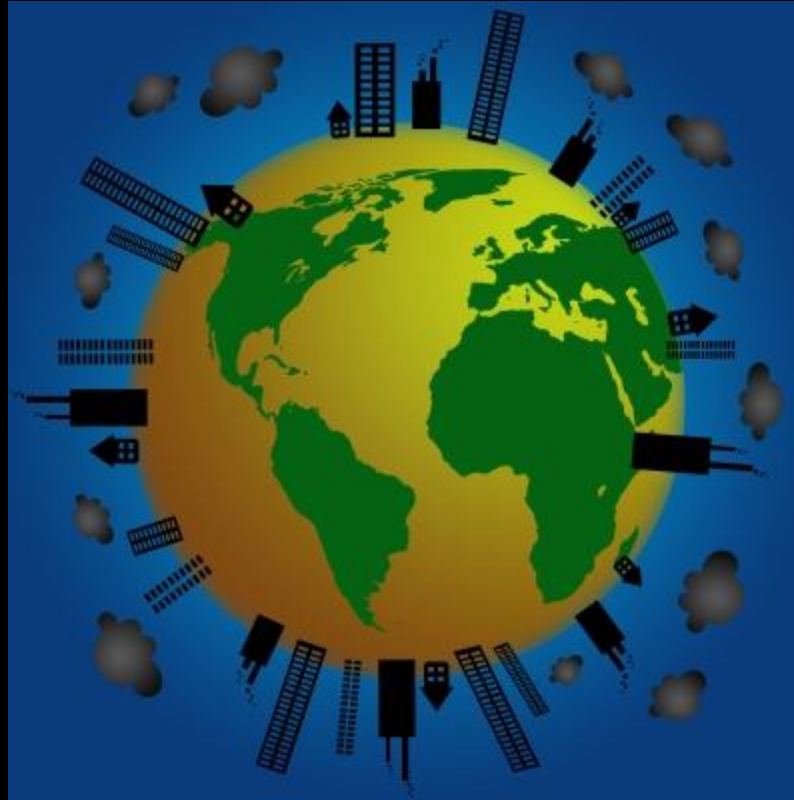


# Consequences of global warming

The living conditions for **humans**, **plants** and **animals** will change. This may cause extinction of species and climate refugees.



# What causes emissions of CO<sub>2</sub>?



**Human activities** increase the amount of CO<sub>2</sub>

# What causes emissions of CO<sub>2</sub>?

**Fossil fuels:** petroleum, coal and natural gas used in:

Power stations

Transportation

Industry



# What causes emissions of CO<sub>2</sub>?

## Deforestation

Burning of forest to convert the land area to farms, ranches or for urban use.



Deforestation also means there are less trees to collect CO<sub>2</sub>

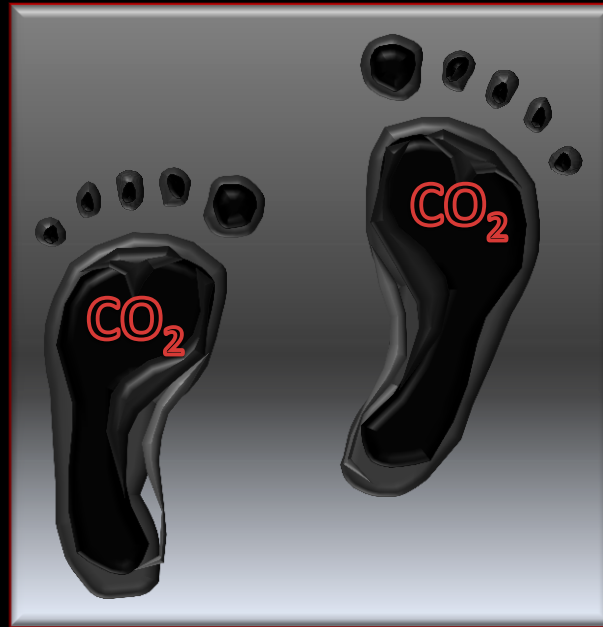


Does  
**your** way of living  
cause emissions of **CO<sub>2</sub>**?

# Your way of living?



# Carbon footprint



A measure of the amount of  $\text{CO}_2$  emitted,  
induced by your activities

**Your way of living = CO<sub>2</sub>**

Electronic devices

Transportation

Use of energy

Shopping

Travelling

Wasting

Food

?



# Carbon footprint



Your **personal consumption** leaves a carbon footprint

By reducing your carbon footprint you contribute to **reduce global warming**

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