



**DEAF
CLIMATE
ACTION**

Module 3

Water-protection



Co-funded by
the European Union

Program

Morning Session (9:00-12:00)

- Knowledge
- Intro- Video
- Lack of water
- Water · Pollution
- Saving water in everyday life
- Action- Quiz

Afternoon Session (13:00 – 16:00)

- Action- project work
- Feedback



Learning objectives

Critical Thinking

Analyze how overuse of water resources contributes to environmental depletion and Earth Overshoot Day.

Joint action

Work in teams to develop an action plan to reduce water use at school or in the community.

Own actions

Identify personal water-saving measures, such as shorter showers or collecting rainwater.

Sustainability

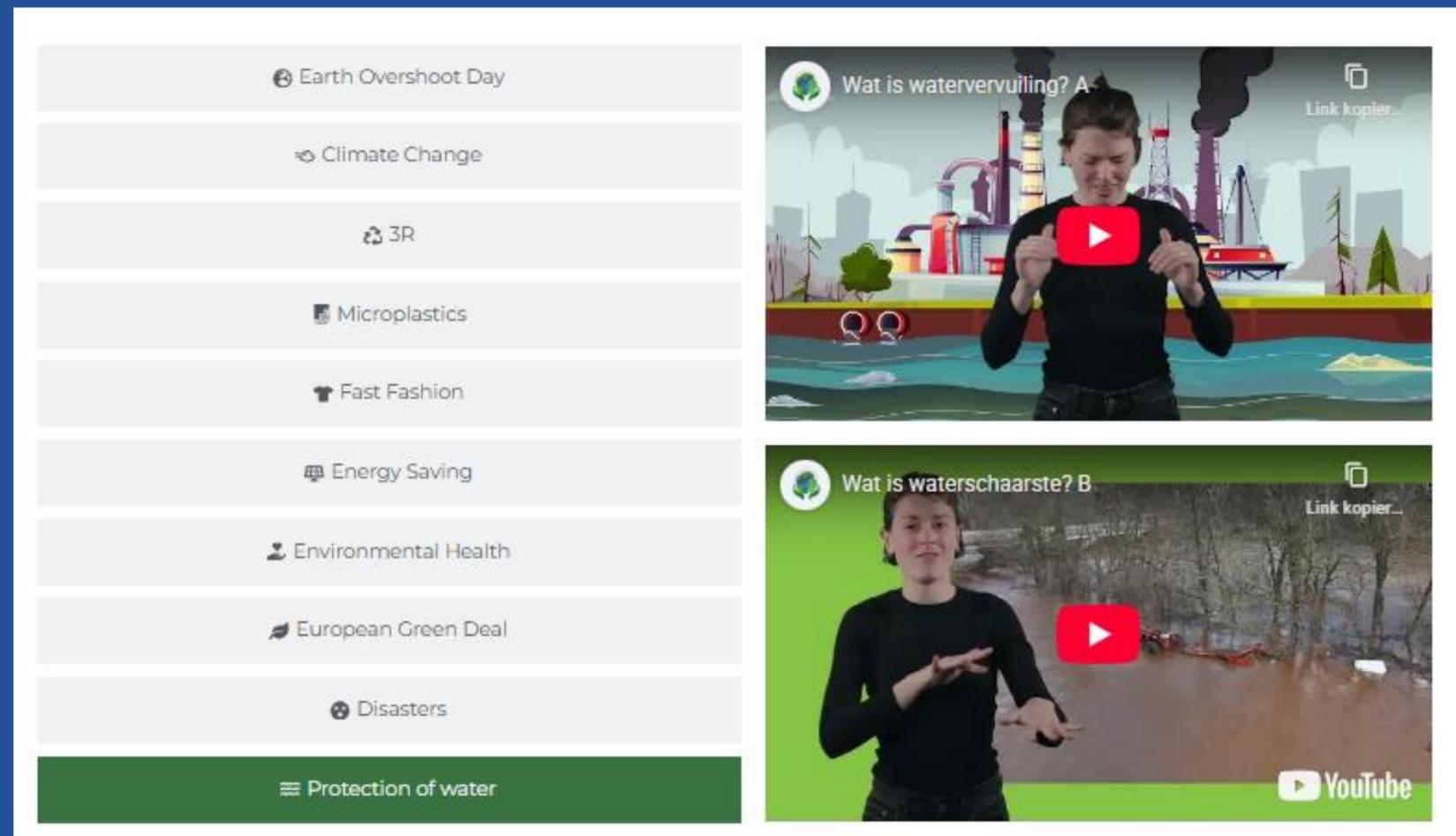
Develop regional policies for sustainable water management and conversation.

Political action

Investigate how national and international policies can protect water resources.



Video – Protection of Water



The image shows a screenshot of a website interface. On the left is a vertical menu with the following items: Earth Overshoot Day, Climate Change, 3R, Microplastics, Fast Fashion, Energy Saving, Environmental Health, European Green Deal, Disasters, and Protection of water (highlighted in green). To the right of the menu are two video thumbnails. The top thumbnail is titled 'Wat is watervervuiling? A' and shows a person in a black shirt gesturing in front of an illustration of a polluted city with smokestacks and a boat. The bottom thumbnail is titled 'Wat is waterschaarste? B' and shows the same person in front of a background of a flooded area with trees and buildings. Both thumbnails have a red play button icon and a 'Link kopier...' link.

THE WATER CYCLE

Importance of the water cycle

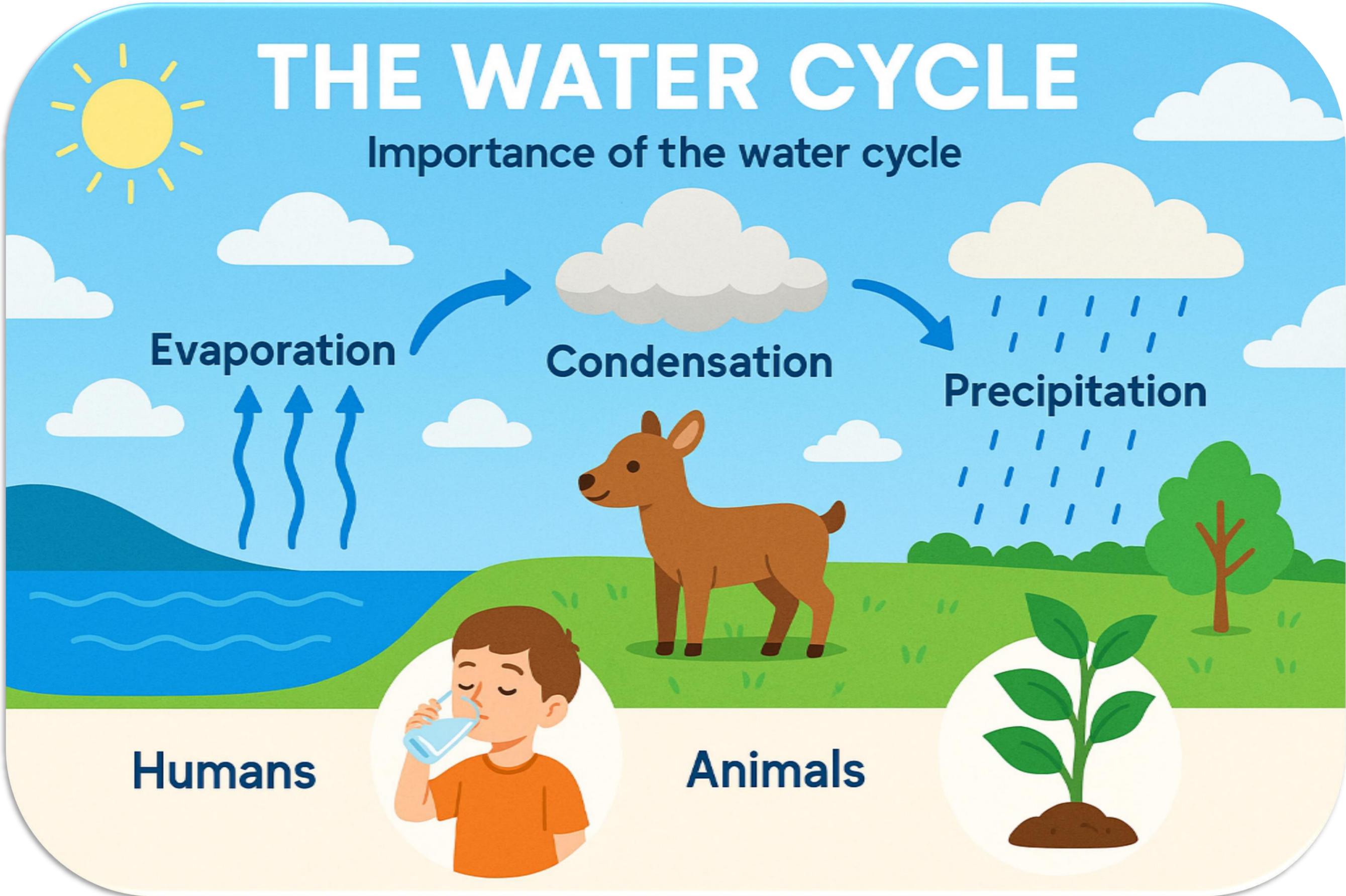
Evaporation

Condensation

Precipitation

Humans

Animals





**Water is precious.
We all need it to
live:
the people
the plants
the animals
and all nature**





That's why it's important:

**We must not waste water.
We are supposed to save water.
That is the task of all of us.**





Distribution of land and water on earth: How much water, how much land?



Land: _____ %
Water: ____ %



Distribution of land and water on earth: How much water, how much land?



Land: 29 %
Water: 71 %



Distribution of fresh water and salt water?



Fresh water: _____ %
Salt water: ____ %



Distribution of fresh water and salt water?



Fresh water: 1-3 %
Salt water: 97 %



How can we purify water?

HOW TO PURIFY WATER



BOILING



USING A FILTER



**ADDING PURIFICATION
TABLETS**



DISTILLATION



What do we need water for?



What do we need water for?

Drink

Clean apartment

cook

Eating food that needs water for
production
(industry, agriculture)

Wash dishes, laundry

Watering plant

wash body

Toilet flush

Brushing your teeth

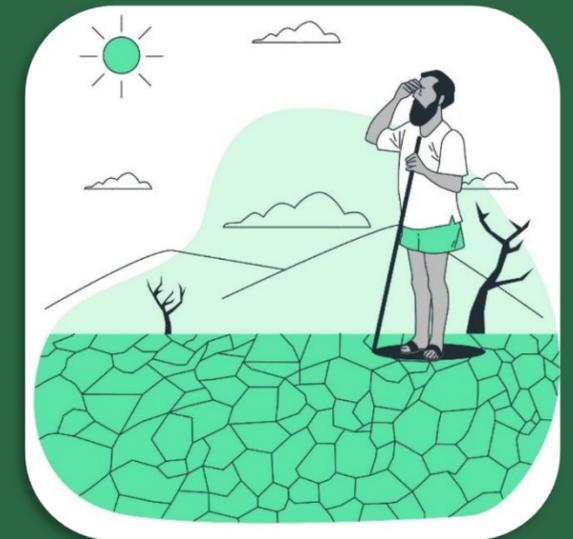
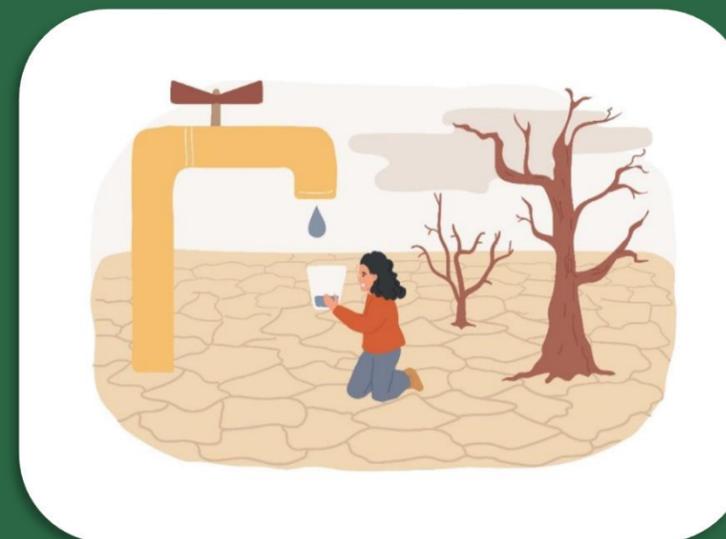
Feeding pets



Water scarcity is a big problem in the world.



Water scarcity is also called Water stress.





What happens if there isn't enough water on Earth?

Animals and plants will be thirsty

People will have no water or food

The world will become very dry

People might fight over water





What can we do to save water?

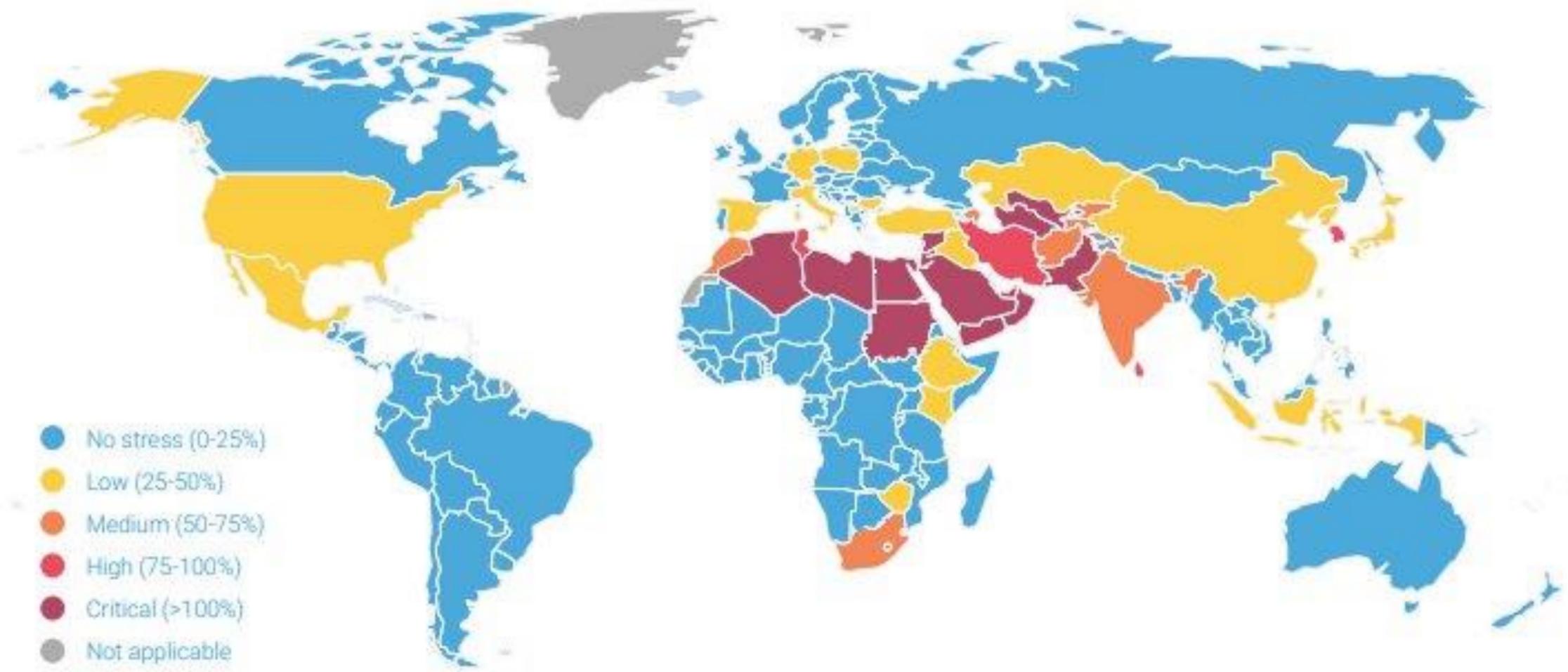
- **Don't waste it:** Turn off the water while brushing your teeth.
- **Help nature:** Plant trees and protect rivers.
- **Use water wisely:** Don't use more water than you really need.



Lack of water



Water stress in the world





Water scarcity in the world

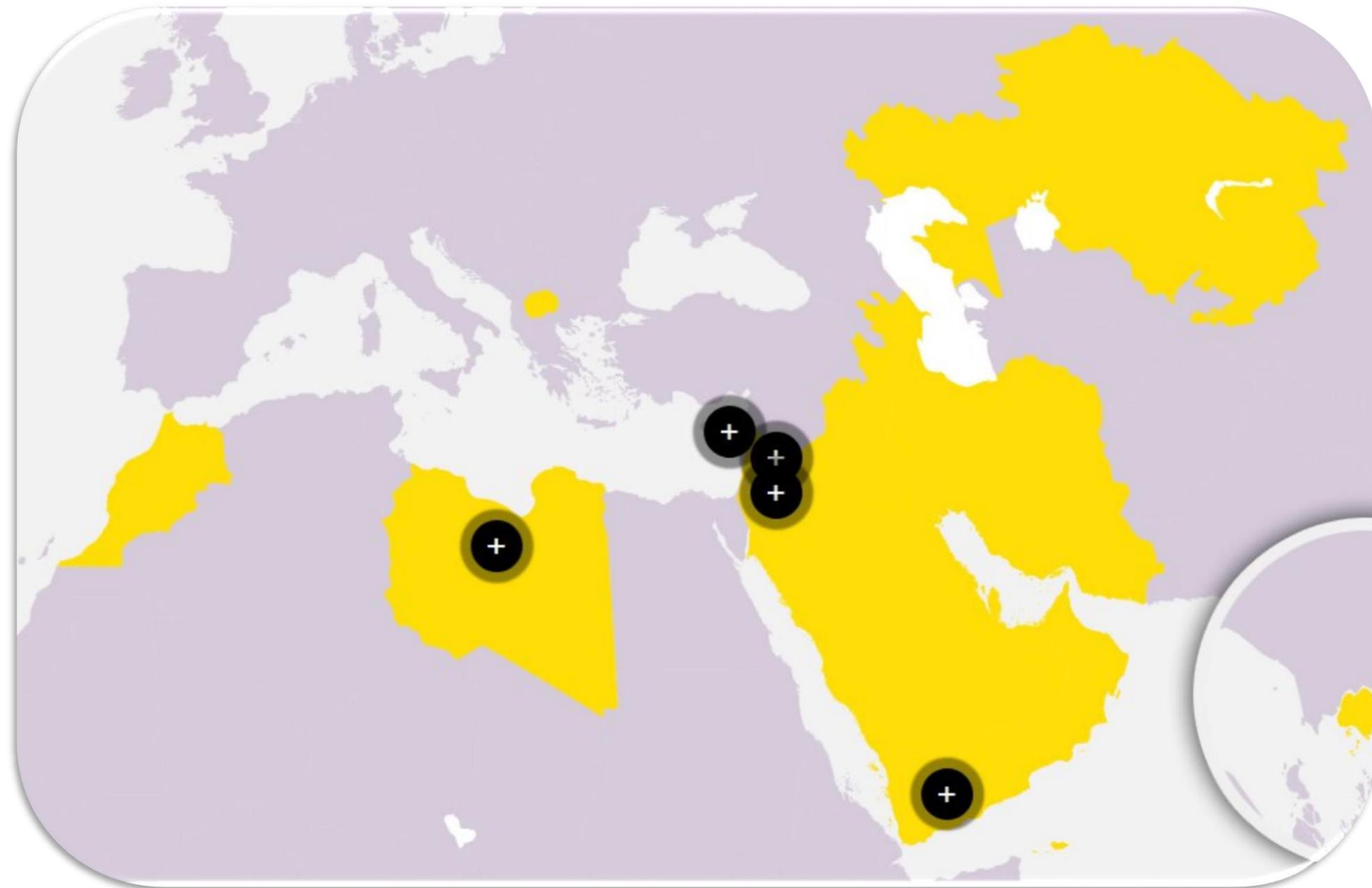
Here is a shortage of water in many countries.
There is too little water.
There are many countries in the world
where there is very little clean water.
We need clean water to drink



Comparison: In Austria, they also use DRINKING water for flushing toilets!



The world's most water-scarce regions 5 countries and territories – which ones do you know?



1.

2.

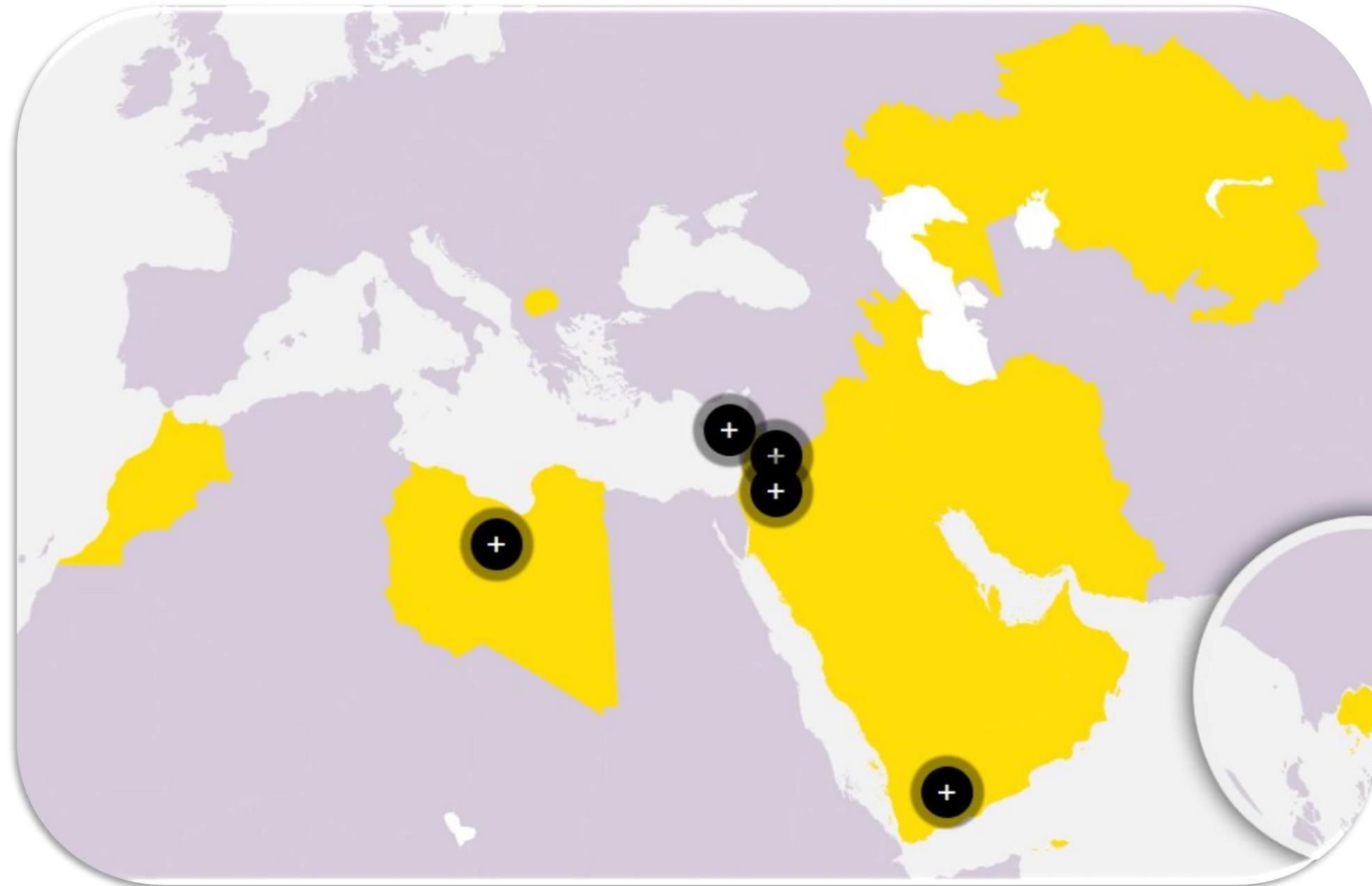
3.

4.

5.



The world's most water-scarce regions 5 countries and territories – which ones do you know?



1.

Libya

2.

Lebanon

3.

Palestinian territories

4.

Jordan

5.

Yemen

Globo-Meter
Which country in Europe has the most water?

Germany

Norway

Poland



Globo-Meter
Which country in Europe has the most water?

Germany

Norway

Poland



In 2021, Norway was one of the European countries with the largest renewable freshwater resources, with around 329 billion cubic meters.

Globo-Meter

Which country in the world has the highest water consumption?

China

USA

India



Globo-Meter

Which country in the world has the highest water consumption?

China



USA

India



China

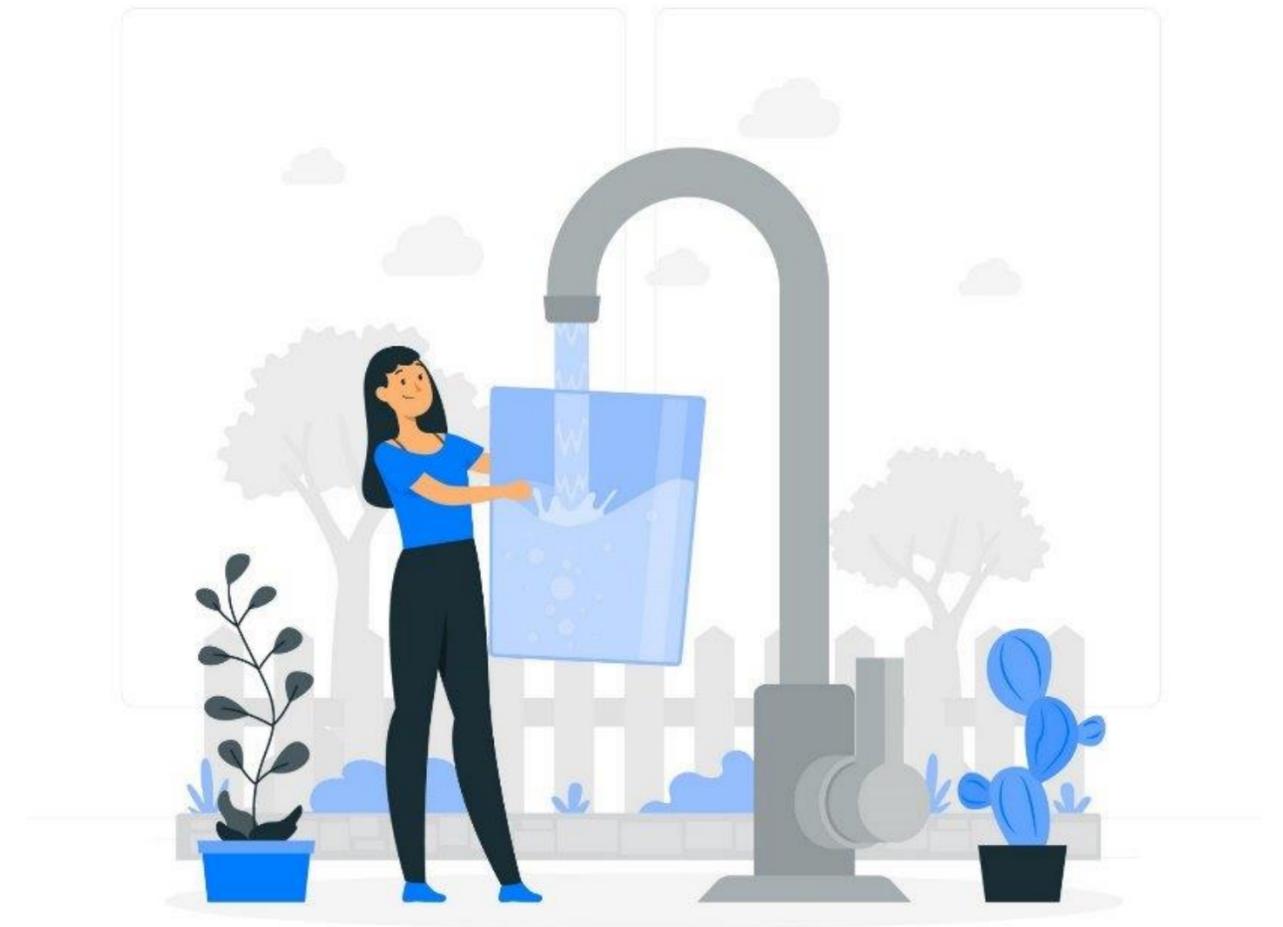
The population of China consumes annually 1370 trillion liters of water.

Globo-Meter
Which country in the world has the most drinking water?

Japan

Iceland

India



Globo-Meter

Which country in the world has the most drinking water?

Japan

Iceland

India



Iceland has the world's largest renewable freshwater resources per capital.





Water · Pollution

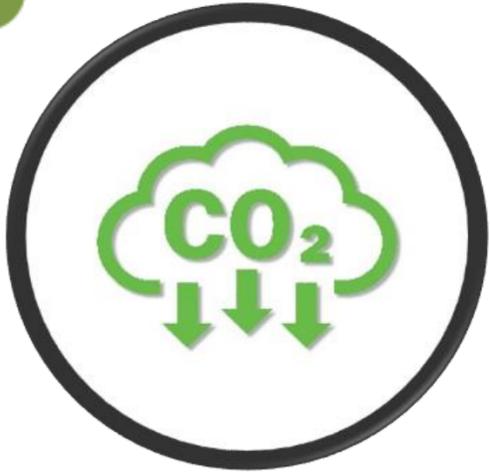


Water · Cycle healthy





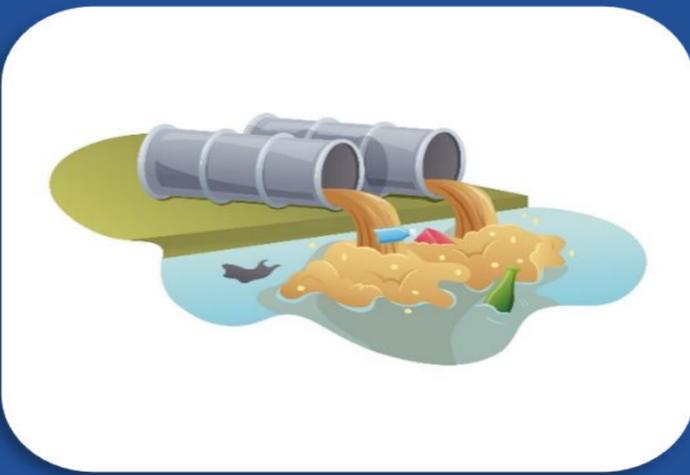
Water · Cycle Problem / sick





Water • Pollution

What are the main causes?
Exchange in the group





Water · Pollution

What are the main causes?

Human and animal wastewater
(excluding sewage treatment plants)



Industrial wastewater





Water · Pollution

What are the main causes?

**Wastewater from the
Agriculture
(Fertilizer!)**



**too much forest clearing
(e.g. rainforest!)**





Water · Pollution

What are the main causes?

too much livestock breeding



too much boat travel
(cruise ships, transport)



Oil Pollution





Water · Pollution

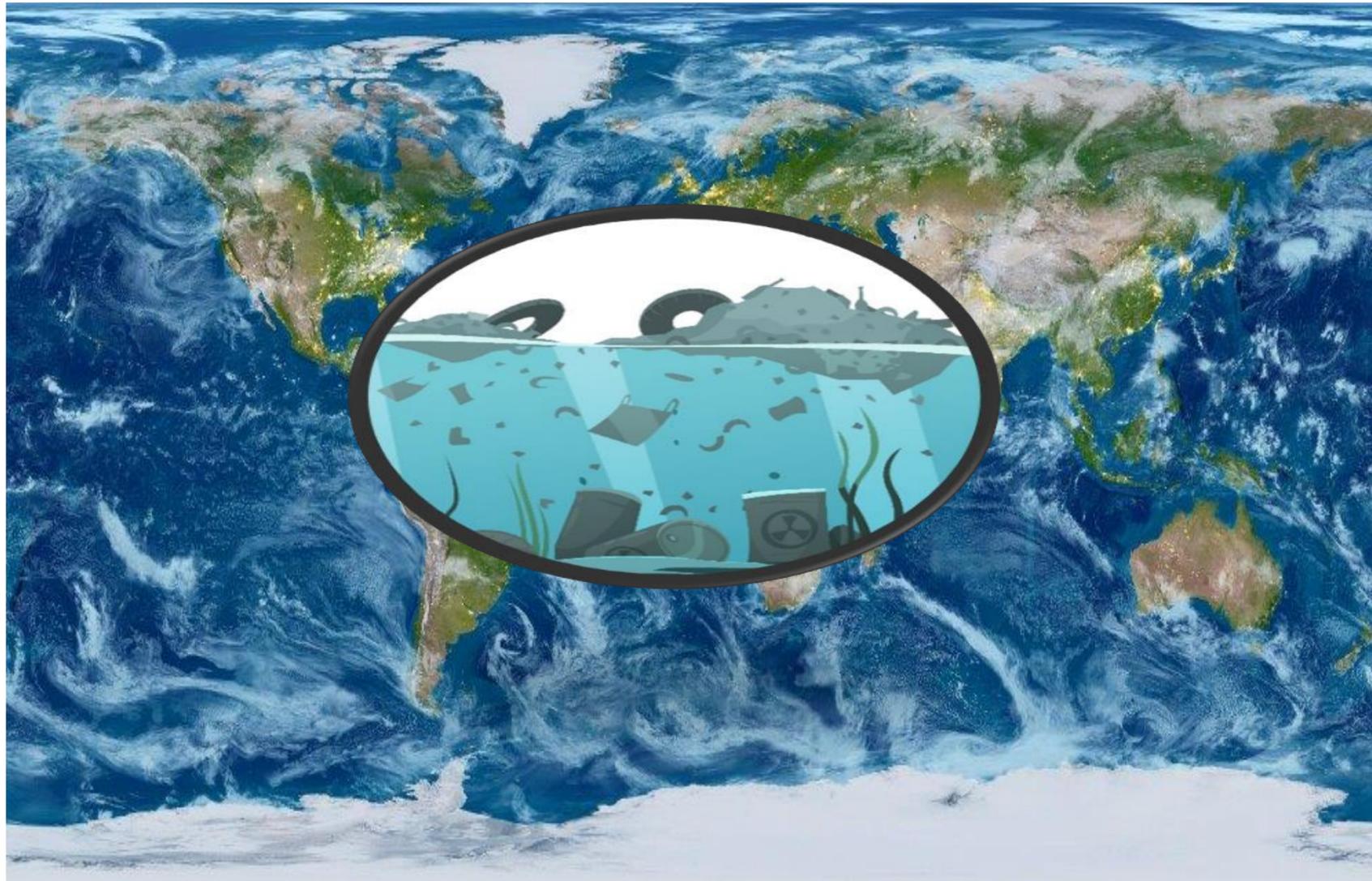
What are the main causes?

People who dispose of their garbage everywhere



Globo-Meter

How many tons of waste of various kinds end up into the sea per year?



5 million tons

50 million tons

500 million tons

Globo-Meter
How many tons of waste of various kinds end up into the sea per year?



Every year:
around 500 million tons
Toxic substances
Heavy metals
toxic sludge
Source: UNESCO

5 million tons

50 million tons



500 million tons

Globo-Meter
Deaths from water pollution
How many people die worldwide each year
subsequently from water pollution?



5 million tons

50 million tons

500 million tons

Globo-Meter

How many tons of waste of various kinds end up into the sea per year?



die annually
approx. 3.2 million people
from a disease caused by
polluted water.
= 6% of all deaths in the world!
Source: WHO (World Health
Organization)



approx. 1.9 million people

approx. 3.2 million people

approx. 5.2 million people

Globo-Meter
Water Justice
Consumption measured per
Household + Industry + Agriculture



? liters per day

USA – per person, per day
for household, industry, agriculture



? liters per day

UGANDA – per person, per day
for household, industry, agriculture

Globo-Meter
Water Justice
Consumption measured per
Household + Industry + Agriculture



4000 l

USA – per person, per day
for household, industry, agriculture



33 l

UGANDA – per person, per day
for household, industry, agriculture



Water Situation in Africa

1. Not Enough Drinking Water 💧

- In countries like **Ethiopia** and **Sudan**, many people don't have access to clean water.
- People often drink dirty water, which makes them sick.

2. Drought and Heat 🔥

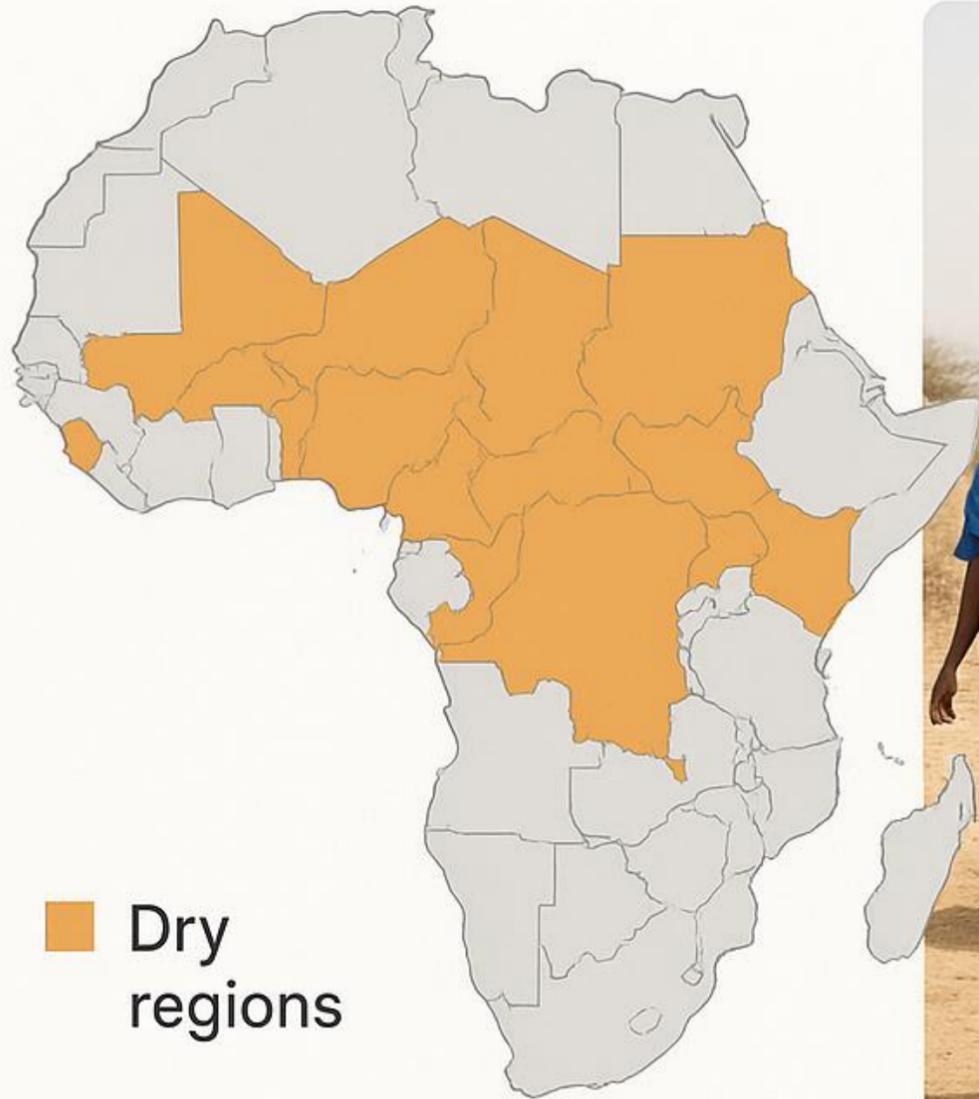
- In **Somalia** and **Kenya**, there is very little rain.
- The land dries up, making it hard for farmers to grow food.

3. Hard Life for People 🏠 🏠 🏠

- In **South Sudan**, women and children walk for hours to find water.
- Diseases like cholera spread because of dirty and unsafe water.

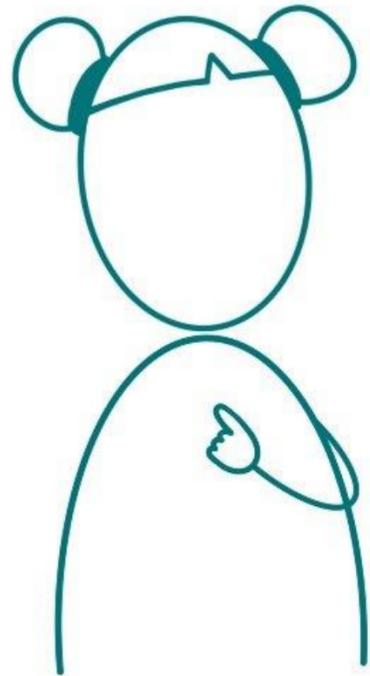


Water Crisis in Africa



1 in 3
lack access
to clean water





What can I do myself?

Saving water in everyday life

ACTION

Quiz- How can we save water?



How many litres of water does a person in Austria consume per day in everyday life?

For personal hygiene, laundry, cooking and washing up and for everything else we do with water ...

... that's 13 large buckets full!!

approx. 130 litres DRINKING WATER!!

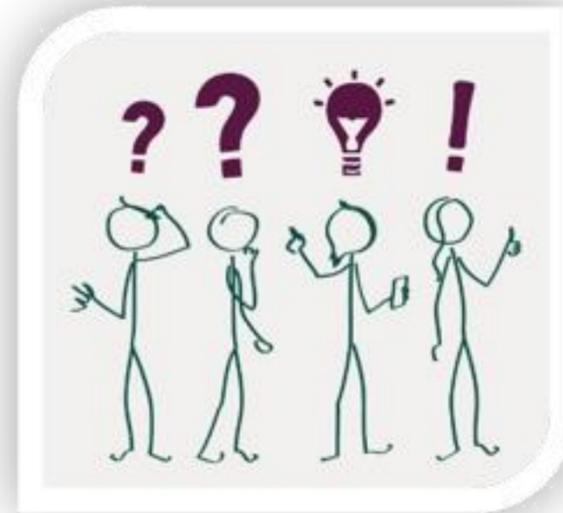
... that's 13 large buckets full!!





How can you save water yourself?

Empty blue rounded rectangular box for a response.





Saving water - tips

Showering instead of bathing

Kitchen
Turn off the water when you don't need it.

Dishwashing machine with ECO program

More water-saving Shower head

Turn off the water while brushing your teeth.

Toilet flush smaller and large button

Washing machine with ECO program

"Catching" water e.g. you wash fruit and then water the plants with the water

Take a short shower

Watering plants with rainwater

dripping water· tap seal

ull washing machine, dishwashing machine, dishwasher evacuate



What else can you think of?

Empty blue rounded rectangular box for notes.

Thank you!



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