Climate change and water bodies

Alvide, Birkir Snær, Mateja, Olivia, Sofia

Impact on water quality

Rising water temperatures: causes excess algal growth and eutrophication

Contamination: more bacteria and viruses

It can also cause pH levels to change: fish can not survive in overly acidic water

What are the consequences when the water temperature gets higher?

As the water´s temperature rises, bacteria flourish.

- An increase in temperature as little as 1 degree Celsius can make a huge difference in the sea´s bacterial life.

These bacteria can infect the fish we eat, which can cause various unknown and infectious diseases.

Infections could also happen through drinking infected water.

Results from Rokuanvaara Hill study's

- The normal pH of water is close to neutral (pH = 7)
- The pH of Finnish water bodies are usually around 6.5-6.8
- The pH levels of Rokua water bodies are:
- Lake Jaakonjärvi is 5,9
- Lake Vaulujärvi 6,5
- Lake Levä-Soppinen 7,2
- Siirasoja stream 6,2
- Peat bog 3,9 (a swamp)

Impact on water levels

- In water bodies of Rokuanvaara Hill there were signs of elevated water levels in each one of them
- For example trees had died in the lake ashores
- Sea levels are rising because of melting glaciers