

Globe SOU "Naum Naumovski-Borche"

Air pollution





What does the environment mean to us?

The environment has a diverse number of ways in which it may affect our mental or physical health. This can range from how the earth looks around us, the seasons, oncoming storms and the weather. These factors can change a person's mood, and depending on how the environment is around them, can either make them feel a sense of joy, or a wave of stress and sadness.

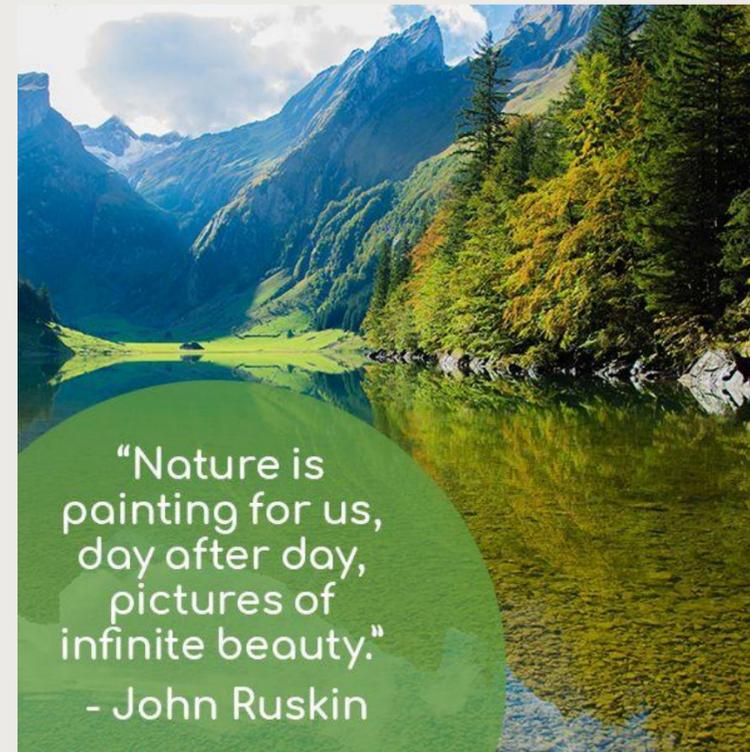
We all depend on a wide range of essential benefits provided by the environment for our day to day existence, including the air we breathe, the food we eat and the water we drink. By managing the environment well we can greatly improve our quality of life. And by managing we mean focusing step by step in all sectors of what makes the nature as whole.

OUR MOTTO

Be the change you wanna see in the world.

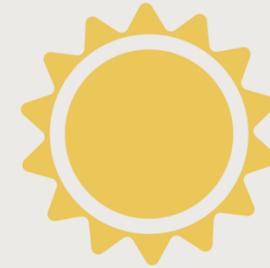
Think globally, act locally
Our opinion is that right now it is important not just to prevent destroying our home but to really be part of the minority trying to fix what has already been done, starting locally.

Mother nature!





The beautiful mother nature



Air Temperature

Cloudness

Precipitacion

Relative humidity

Heat waves often lead to poor air quality. The extreme heat and stagnant air during a heat wave increase the amount of ozone pollution and particulate pollution.

Clouds affect climate in two major ways. First, they are an essential part of the water cycle. Clouds provide an important link between the rain and snow, oceans and lakes, and plants and animals. Secondly, clouds also have an important effect on Earth's temperature.

Rain depends on particles floating in the air, it falls with them to the ground, reducing the concentration of particulate pollutants in the atmosphere.

Humidity reduces air circulation, which means that pollutants and other harmful particles are trapped in the air. Increasing risk of bacteria and viruses

The sad reality



10 facts about air pollution

Less than 1% of global land area has safe air pollution levels

researchers found that about 0.18% of the global land area and only 0.001% of the world's population had an annual exposure to PM2.5 below the safe threshold of 5 $\mu\text{g}/\text{m}^3$.

At least 1 in 10 people die from air pollution-related diseases

In 2017, air pollution was responsible for an estimated 5 million deaths globally, amounting to nearly 9% of the world's population. Constant exposure to polluted air increases the risk of coronary and respiratory disease, stroke, diabetes and lung cancer.

Air pollution is a greater threat to life expectancy than

Air pollution is a rapidly rising threat, average life expectancy has dropped by two to five years, making it a larger threat to human health than "well HIV/AIDS and malaria.

Smoking, HIV or war



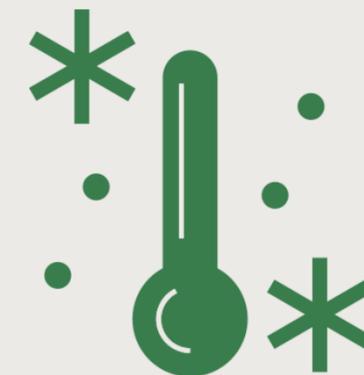
Our globe mesaurments

A way to analize and find the exact way of how to act and what
do to for better enviornment

High temperature worsen the air quality problems. During a heat wave polluted air is not dispersed. They also encourage chemical reactions and increase smog. Here are some information about the temperature in the range of 3 months in the years 2022 and 2023



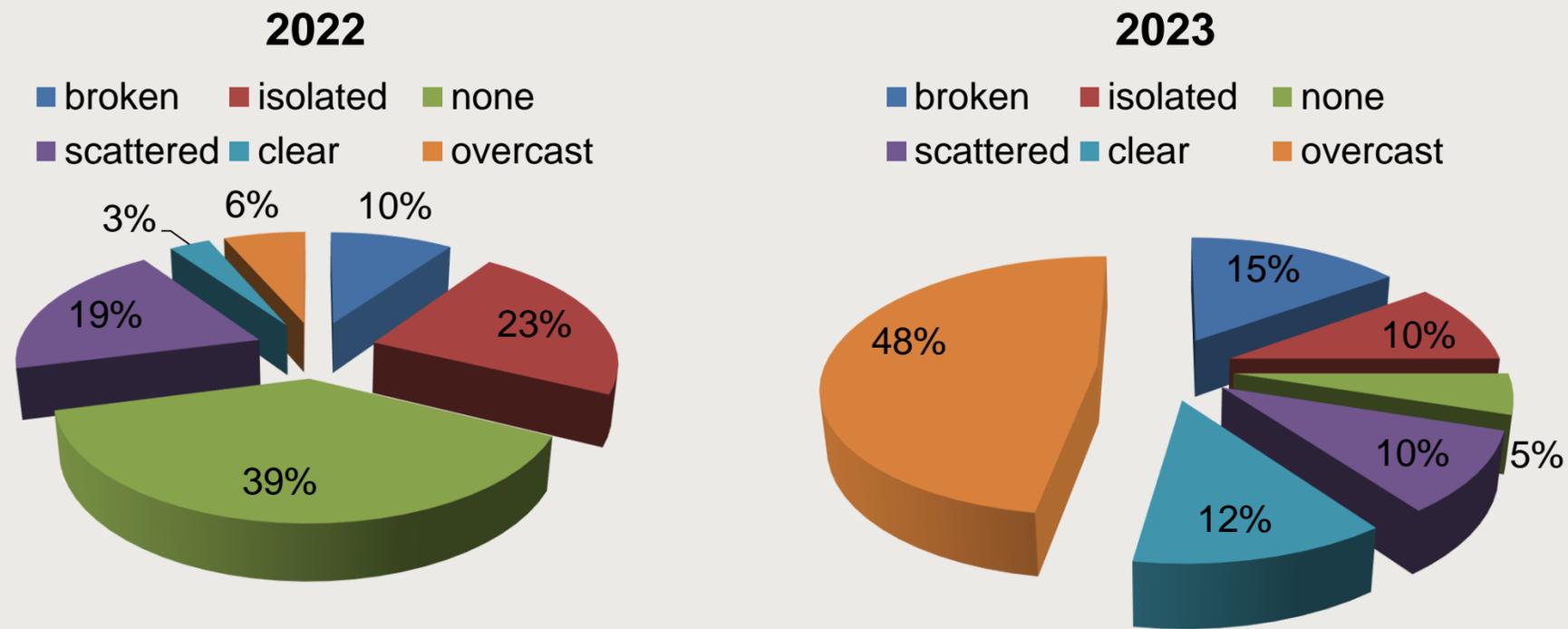
Here we can clearly spot the difference in the average temperature in the same period in two different years, we can conclude that the temp. is higher for around 20% in just a year.



Air temperature



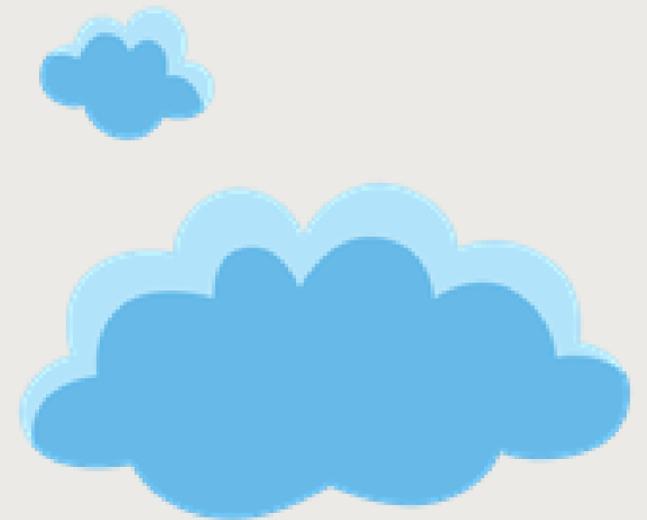
Cloudness is also related to air pollution and they have impact on the temperature . Here are some informations about the cloudness in our town.



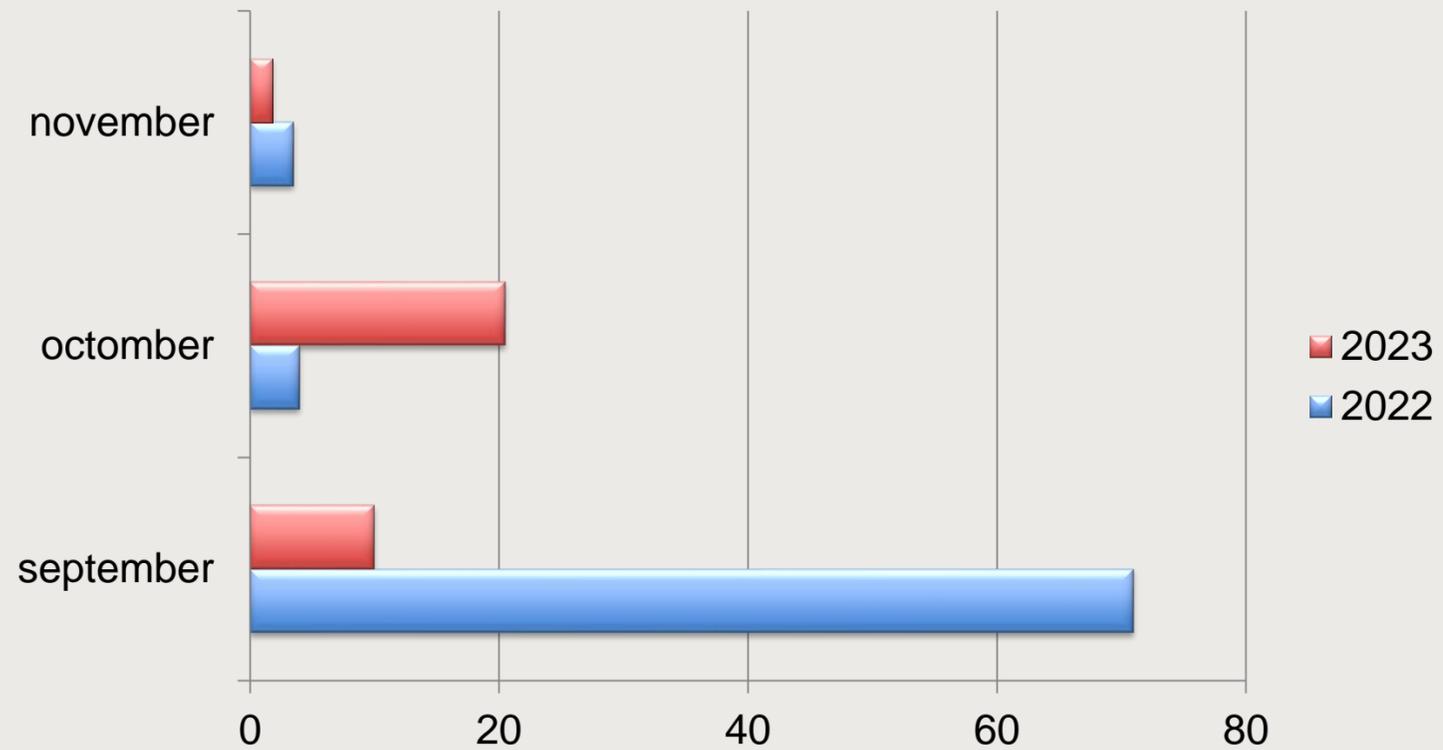
We can conclude that the most difference we see is in the higher percentage of overcast sky in 2023 and significantly lower percentge in the none sky cover.



Cloudness



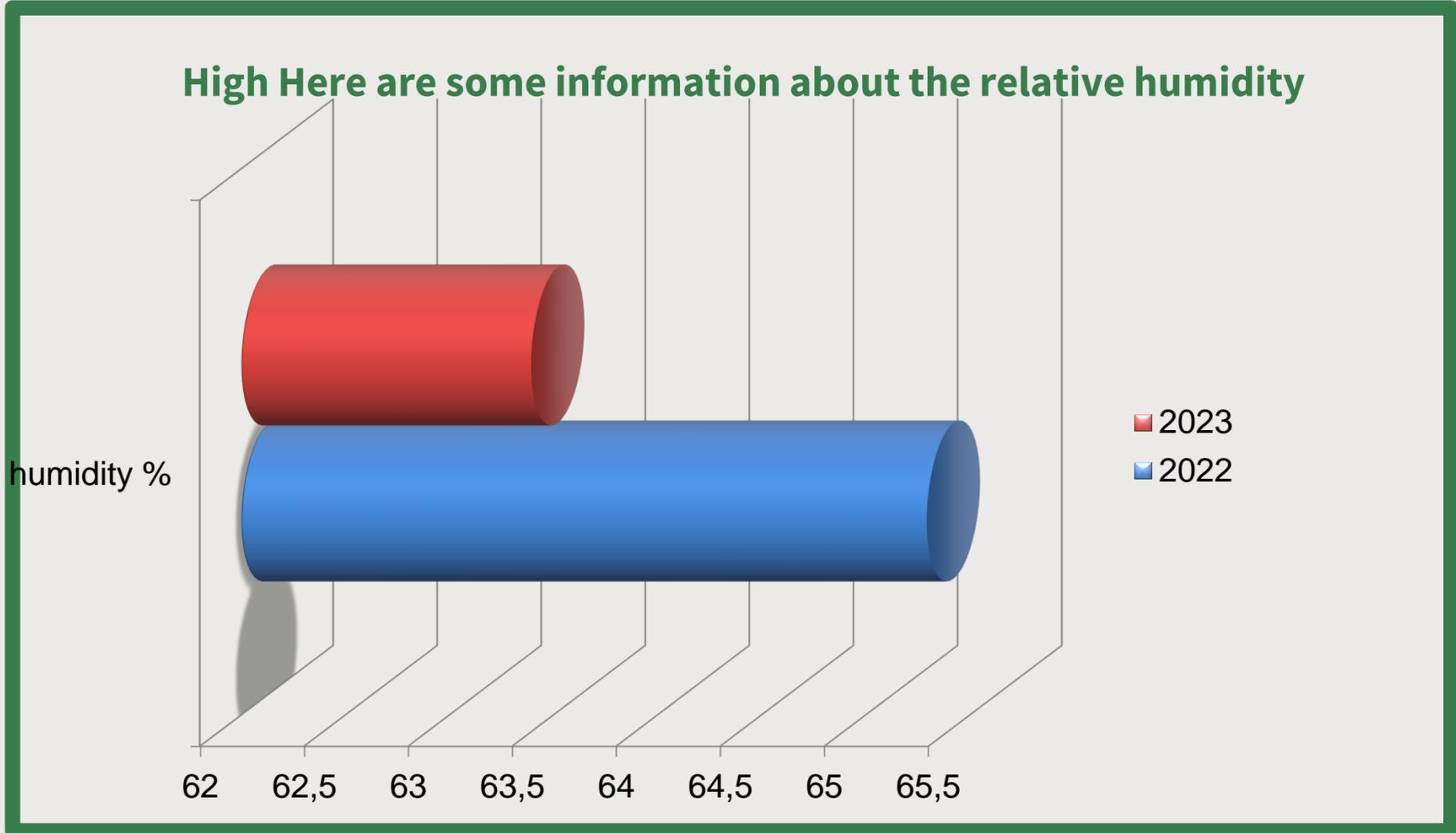
Precipitation can effectively improve air quality because rainwater can take away PM2.5 and other pollutants in the air. Here are some information about the rain in our town.



Precipitation



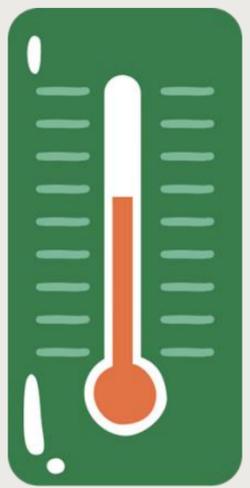
High Here are some information about the relative humidity



The relative humidity is also shown to be less present



Relative humidity



What can we do?

When you can, ride a bike, walk, or take public transportation. For driving, choose a car that gets better miles per gallon of gas.

Electricity can be supplied by wind or solar.

Turn off lights and electronics when not in use.

Avoid burning solid fuels, such as in open fires and wood-burning stoves, because they have a significant impact on air pollution. Avoid burning leaves and rubbish in your garden too.



What can we do?

Plant more trees and greenery.

Consider using gas logs instead of wood.

Consider purchasing portable gasoline containers labeled “spill-proof,” where available.

Buying our food locally .

Support leaders who push for clean air and water and responsible steps on climate change.



How to protect our health



Add air purifying plants to your home. Some air purifying plants include: Spider Plant
English Ivy
Snake Plant
Aloe Vera
Chinese Evergreen.

Stay healthy

Ensure you are staying healthy to promote your overall health and protect your body from air pollution. Make sure you:

Stay hydrated

Eat a diet filled with properly prepared whole foods

Enjoy organic fruits and veggies whenever possible

Don't smoke

Avoid exercising outdoors when pollution levels are high. When the air is bad, walk indoors in a shopping mall or gym or use an exercise machine.

. Check daily air pollution forecasts in your area and if the pollution is high, you should stay at home as much as possible .



**Thank
you**

For your attention