

Scholars program report, will we run out of water?

Will we run out of water?, is an important question. Climate change means there is a possibility that we will run out of water in the future. As the air gets hotter from the greenhouse effect it means it will rain less and drought is a lot more likely. Read on to find out what is happening and what you can do to help. The earth needs saving!

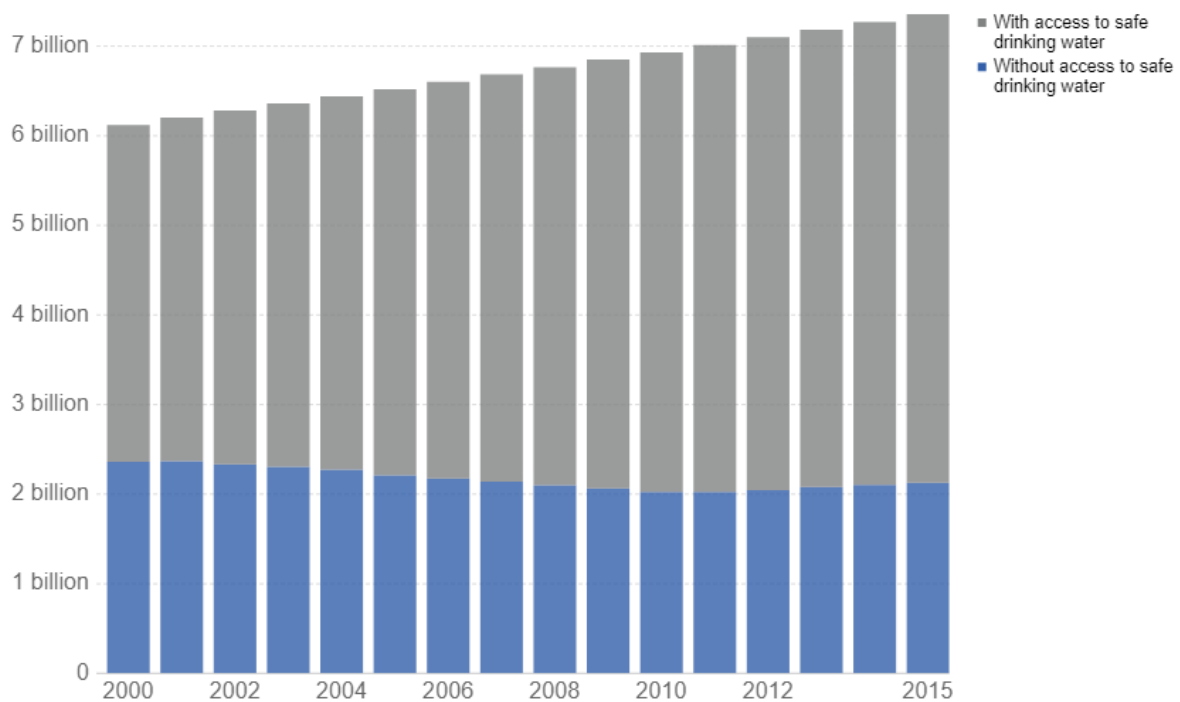
Drought can mean that certain places don't have enough water because they store it from the fresh rainfall, it also means that lots of crops could die due to not enough water. This could cause desertification. This is not only a consequence of climate change but can also contribute as a cause as well, plants take in carbon dioxide and release back oxygen but when the plants die they can no longer do that anymore meaning there are fewer plants to absorb carbon dioxide from the air which increases the amount of carbon dioxide in the air that we need to use to be able to breath.

Earth's glaciers and ice caps lock away over 68% of its freshwater supply but when they melt that fresh water is combined with the salt water in the sea and is no longer fresh. The ice caps are melting because of climate change and the rise in temperature. They have been melting and breaking apart a lot more rapidly, because the air and average world temperature is rising this is because heat is being trapped in the atmosphere creating a warmer climate. This means that it is unable to be used a fresh water source if needed. Extra greenhouse gases in the air, such as carbon dioxide (CO₂) and methane, trap the Sun's heat in Earth's atmosphere.

1. Eritrea: 80.7% lack basic water services.
2. Papua New Guinea: 63.4% lack basic water services. ...
3. Uganda: 61.1% lack basic water services. ...
4. Ethiopia: 60.9% lack basic water services. ...
5. Somalia: 60% lack basic water services.

These are the 5 top countries lacking water

Number of people with and without access to safe drinking water, World



Source: Our World in Data based on WHO, WASH

OurWorldInData.org/water-access • CC BY

The dark blue is the amount of people in the world from 2000-2015 with no access to fresh water. It is still slowly increasing as we are very slowly running out of water. In some countries water is rationed. They have to go to their local water tap and collect their rations for the day.

Lots of Earth's fresh water is stored underground meaning it is hard to get to, this means that it will take a lot more money and time to reach fresh water in the future. As the population increases in the future more water will be needed and will be harder to get.

Desertification is not only caused from climate change but is a cause as well. Plants absorb carbon dioxide and turn it into oxygen, but as it rains less, more deserts are caused meaning there are less plants to change the carbon into oxygen. This increases the amount of carbon dioxide in the atmosphere. Desertification is caused when there is not enough rainfall to make up for the evaporation of water from the ground.

Reduced rainfall can also make rivers dry up, meaning that lots of animals that use that river can't anymore and could die off. Other animals that used fish for food could suffer because there is not enough food for them because the fish died because their habitat was lost.

(Global warming's heat could kill off most of Earth's life!)

What can you do to help? There are many things you can do to help some of which include stopping doing things others include starting to do things.

E.g.

Eat less meat

Power your home with renewable energy sources

Insulate your house

Reduce water waste
Waste less food

Go litter picking
Take shorter showers
Reduce things with waste
Reuse things when possible
Recycle as much as possible
Shop locally when possible (to stop things being shipped across countries)
Buy second hand clothes
Grow your own vegetables and fruits
Use public transport or cycle or walk when possible

This is only one effect of climate change there are many others hopefully this report will make you want to research them to find out about other effects of climate change.

As you can see even in this one small area of climate change it has huge impacts that effect a lot of everyday things. You need to do what you can to help because without everyone's help our planet will die. There is no planet B. free the earth, save our planet. Our planet needs help. Will you help?

Bibliography

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