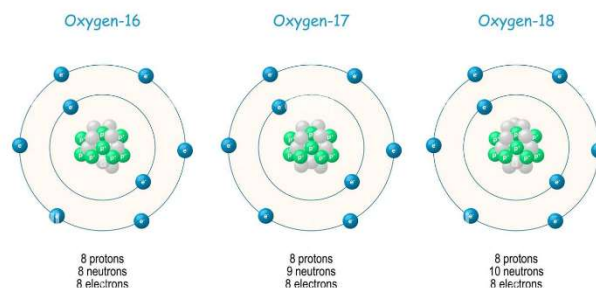




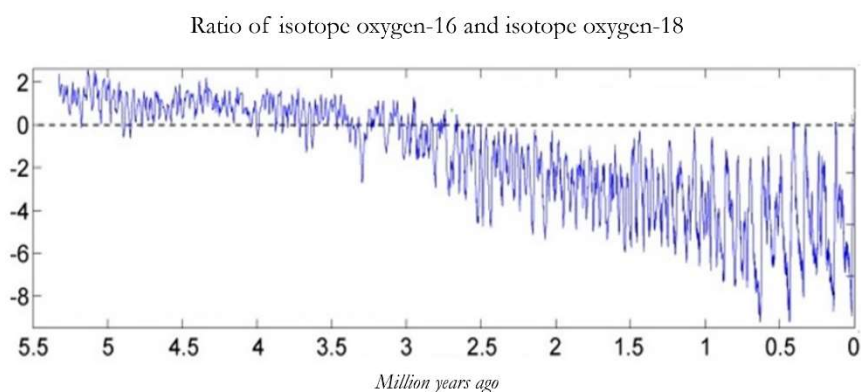
### Isotopes of oxygen



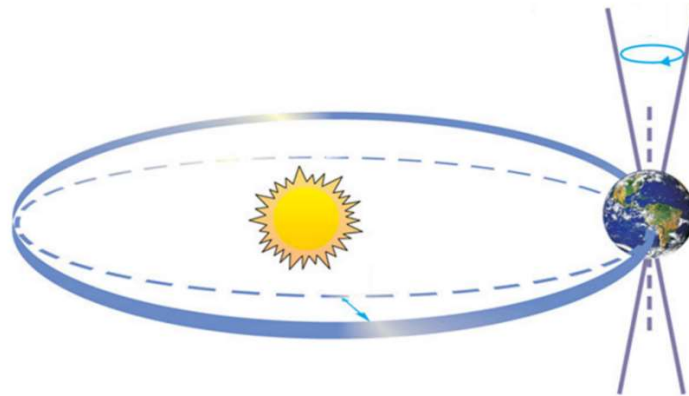
During ice ages, water remains trapped in the ice and in the oceans isotope oxygen-16 decreases. The lower the ratio, the greater is the water trapped in the ice. Crustaceans maintain the ratio between these two isotopes and when they die, their shells settle on the seabed creating sediments that allow to date this ratio. The Quaternary graph displays the ratio between these two isotopes and shows that the first glaciation took place just over three million years ago.

Glaciations initially lasted about 40,000 years. The last one lasted 103,000 years and the next should last 120,000 years. Glaciations are getting colder and longer. They are separated by warm interglacial periods lasting about ten thousand years. The last ice age ended 11,700 years ago.

### Quaternary



Various hypotheses have been put forward about the causes of the ice ages. Initially, the coincidence between the duration of the first glaciations, of about forty-one thousand years, and the Milankovitch cycle was highlighted.



In summary, the Earth rotates around an axis which in turn rotates according to a cycle of forty-one thousand years that was discovered by Milankovitch.

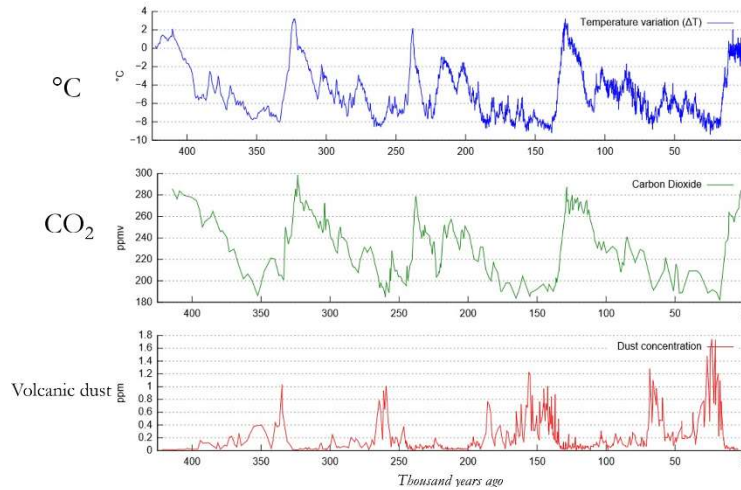
However, ice ages now last over a hundred thousand years and the Milankovitch cycle always has the same period. Furthermore, it is not clear how the Milankovitch cycle can cause an ice age, since the amount of heat coming from the Sun always remains the same.

In 2014, astrophysicists led by Valentina Zharkova discovered that the Sun has two layers that emit heat, one internal and one external. When the electromagnetic waves of heat emitted by these two layers interfere in a constructive way the Sun is hot, when instead they interfere in a destructive way the Sun is cold. Using this model to reconstruct what happened in the past results in an accuracy of 97%. Using it to predict what will happen in the future, it indicates that in 2032 the Sun's heat will decrease triggering the next ice age, and that at the peak of the next ice age, heat from the Sun will decrease by 60%.

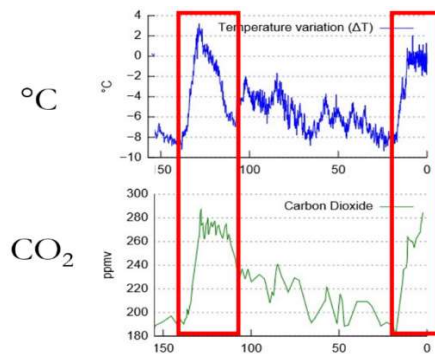
It is interesting to note that scientific studies on the imminent ice age, previously published in authoritative journals such as Nature, have now been censored and it is also interesting to note that all climatologists who study this issue are being censored. Climate information has been left to people like Greta Thunberg, while experts are being cut off from main stream, as in the case of Judith Curry, a climate scientist with a professorship at the Georgia Institute of Technology and over 140 scientific publications on this topic.



Other important data on ice ages are obtained from ice-cores of the Antarctic. Ice holds the information present in the snow. The snow forms layers of ice that allow to date temperature, CO<sub>2</sub>, volcanic dust and more. This data is very accurate and detailed.



In this graph we have temperatures in the first row, CO<sub>2</sub> in the second and volcanic dust in the third. We are on the right of the graph and the more we go to the left, the more we go back in time until we get to over 400 thousand years ago. In the graph it is easy to see that temperatures vary before CO<sub>2</sub>!



For example, in the rectangle on the left, relating to the last interglacial era, we see that temperatures decrease before CO<sub>2</sub> and in the rectangle on the right relating to the beginning of our interglacial era, temperatures increase before CO<sub>2</sub>. First temperatures increase and then CO<sub>2</sub>. First temperatures decrease and then CO<sub>2</sub>. Changes in CO<sub>2</sub> occur after and not before changes in temperatures! This means that CO<sub>2</sub> is not the cause of climatic variations, of the increase or decrease in temperatures, but it is a consequence.

CO<sub>2</sub> varies after temperatures because CO<sub>2</sub> is an indicator of the presence of life. Life is made of carbon. The higher the temperatures, the greater the presence of life and the greater the CO<sub>2</sub> that is released into the environment. CO<sub>2</sub> is not a pollutant and it is not even a greenhouse gas. When the ice age begins, life decreases and consequently CO<sub>2</sub> decreases. CO<sub>2</sub> is essential for life. Plants and trees take their carbon from CO<sub>2</sub>, thanks to

photosynthesis. When CO<sub>2</sub> decreases it becomes more difficult for plants to grow. Reducing CO<sub>2</sub> means decreasing nutrition for plants and life, and not to fight pollution or rising temperatures. For example, to increase the productivity of greenhouses, methane burners are used which inject CO<sub>2</sub> into the greenhouse. Increasing CO<sub>2</sub> increases the productivity of greenhouses. In order for trees and plants to grow, the presence of CO<sub>2</sub> is necessary.

Decreasing CO<sub>2</sub> will increase famine and hunger, and this will compromise the very existence of life and humanity on Earth. Those who are promoting the Covid narrative are the same who are pushing for CO<sub>2</sub> reduction. Both these narratives are aimed at a drastic reduction of the world population.

But for what reason?