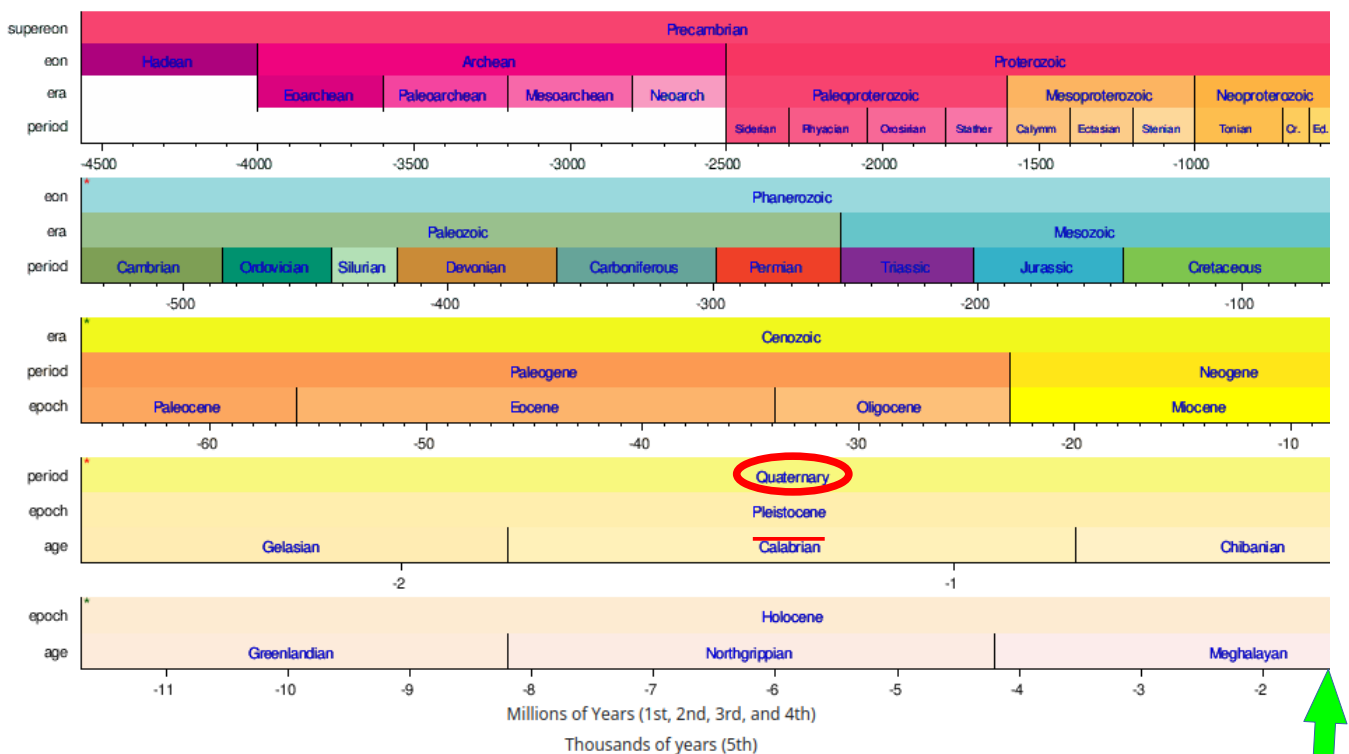


# We are Currently Living in the Quaternary Ice Age

*(This article is written from geological science that has been interpreted from an evolutionary perspective. It is the science that the world accepts as 'the truth', so it is valid to use in the arena of Anthropogenic Climate Change as it is consistent with what must be accepted by those who trumpet "the science is in" or "the science is settled".)*

There are two classifications that refer to ice ages and climate – one is historical (belonging to the field of geography) and the other geological (belonging to the field of earth science). Using the geological classification system for climate, the Earth has always existed in one of three conditions: 'Greenhouse Earth'<sup>1</sup>; 'Icehouse Earth'<sup>2</sup>; & 'Snowball Earth'<sup>3</sup>. Under 'Greenhouse' conditions millions of years ago, dinosaurs lived in tropical England and alligator-like reptiles lived in present day Alaska. There wasn't any ice at either of the poles, which is what the scientific term 'greenhouse' actually means. Since then, Earth has moved into an 'icehouse' regime, which means there are places where there is ice on the planet. There's plenty of snow and ice at both poles, and in mountainous regions. 'Icehouse' conditions are about 5°C globally colder than the warmer 'Greenhouse' epochs. 'Snowball Earth' conditions are very rare. The last one is known as Cryogenian<sup>4</sup>, which began some 850 million years ago, where the global temperature was around -17°C.

With so much hoo-ha<sup>5</sup> these days going about global warming, it is essential that everyone understands that we are living in a period of geological history known as the Quaternary Ice Age. Yes, that's right, a cold period in Earth's continuum. (See second-last row on the chart of Geological Time<sup>6</sup> below)

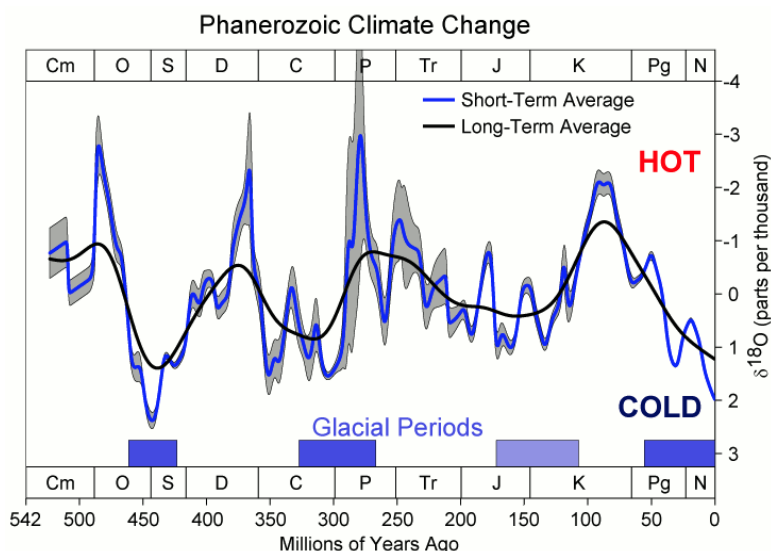


The Quaternary 'Ice Age', also known as the Quaternary Glaciation<sup>7</sup> (or the Pleistocene Glaciation<sup>8</sup>), is an alternating series of glacial and inter-glacial periods during the Quaternary period that began 2.58 Ma (million years ago) and is ongoing at the present time.<sup>9</sup>

**Today**

- 1 – [en.wikipedia.org/wiki/Greenhouse\\_and\\_icehouse\\_Earth#Greenhouse\\_Earth](https://en.wikipedia.org/wiki/Greenhouse_and_icehouse_Earth#Greenhouse_Earth)
- 2 – [en.wikipedia.org/wiki/Greenhouse\\_and\\_icehouse\\_Earth#Icehouse\\_Earth](https://en.wikipedia.org/wiki/Greenhouse_and_icehouse_Earth#Icehouse_Earth)
- 3 – [en.wikipedia.org/wiki/Snowball\\_Earth](https://en.wikipedia.org/wiki/Snowball_Earth)
- 4 – [en.wikipedia.org/wiki/Cryogenian](https://en.wikipedia.org/wiki/Cryogenian)
- 5 – 'A fuss, uproar, commotion or stir; hype' [www.wordnik.com/words/hoo-ha](http://www.wordnik.com/words/hoo-ha)
- 6 – GRAPHIC: [upload.wikimedia.org/wikipedia/en/timeline/j2pb6rz3v4usz00fztm5cqbbq8gfapm.png](https://upload.wikimedia.org/wikipedia/en/timeline/j2pb6rz3v4usz00fztm5cqbbq8gfapm.png)
- 7 – [en.wikipedia.org/wiki/Quaternary\\_glaciation](https://en.wikipedia.org/wiki/Quaternary_glaciation)
- 8 – [en.wikipedia.org/wiki/Pleistocene](https://en.wikipedia.org/wiki/Pleistocene)
- 9 – PARAGRAPH: "Quaternary Glaciation" [en.wikipedia.org/wiki/Quaternary\\_glaciation](https://en.wikipedia.org/wiki/Quaternary_glaciation)  
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The following graph of Earth temperatures over the past 542 million years shows that we're in a cold period (see the bottom right-hand corner of the graph):<sup>10</sup>



Currently, Earth is in an inter-glacial period, the Holocene epoch beginning 15,000 to 10,000 years ago, which has caused the ice sheets from the last glacial period to slowly melt. The remaining glaciers, now occupying about 10% of the world's land surface, cover Greenland, Antarctica and some mountainous regions.<sup>11</sup>

The current 'ice age' began some 2.6 million years ago, and is actually the coldest period on Earth over the past 500 million years. The whole of the Quaternary Period is referred to as an ice age because at least one large, permanent ice sheet has continuously existed during this time, and that's the Antarctic ice sheet. This information and the content in the graph above show that long time scales provide a proper sense of perspective when discussion topics such as Global Warming (AKA Anthropogenic Climate Change).

Although we are living within the Quaternary 'Ice Age', we're actually in one of its inter-glacial periods (the Holocene Epoch), which usually last for around 10-12,000 years. These Quaternary inter-glacials are a little warmer than the glaciation periods where it's colder and there's a lot more ice. This current one has promoted human civilisation which has flourished through warmer temperatures and the fertile soils left over from the last extensive ice age. However, at this point in time, we could be near the very end of our warm-weather inter-glacial, heading towards a major glaciation event and another great ice age, as the Holocene Epoch is due to end.

The ice ages that form part of the present ongoing ice age, the Quaternary, usually last for around 90-100,000 years. Research from the past has shown that a transition from an ice age to an inter-glacial can happen very rapidly. Geologic temperature records also show that a descent into an ice age can also be rapid.

During the past two million years, the Northern Hemisphere's climate was glacial for 90% of the time. Ice covered much of Europe, Asia, and North America, and even two thirds of Britain. This was punctuated by some very short warm periods which totalled just 10% of the overall time period. That means 90% of the last two million years has been extremely cold, with masses of very thick ice sheets. Statistically, the short periods of warmer climate are atypical for our planet, including the one that we presently live in.

Living in 'icehouse' conditions at present is at odds with the hype about runaway Global Warming and 'climate emergency'. Our global temperatures at present are only 5 degrees Celsius above that of the last ice age freeze, so fixating on imaginary climate theory, and not the climate science that's historically

10 – GRAPHIC: "Phanerozoic Climate Change" [commons.wikimedia.org/wiki/File:Phanerozoic\\_Climate\\_Change.png](https://commons.wikimedia.org/wiki/File:Phanerozoic_Climate_Change.png)  
By Dragons flight - Own work, CC BY-SA 3.0

11 – PARAGRAPH: "Quaternary Glaciation" [en.wikipedia.org/wiki/Quaternary\\_glaciation](https://en.wikipedia.org/wiki/Quaternary_glaciation)  
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based, is a recipe for all sorts of fantasy. In reality, we may not be so far off an ice age already.

*“Worryingly this warm inter-glacial that we enjoy living in is predicted to end soon if the past data is correct. Those who hope that carbon dioxide levels have risen sufficiently to stave off another ice age may be proved wrong. Northern Hemisphere winters have recently accumulated similar snow cover to that of the previous ice ages. This extensive snow cover is clearly shown from photographs taken from the air during recent snowy winters. The warning signs are all pointing to the onset of the expected ice age and we will be powerless to prevent it! The Northern Hemisphere currently experiences heavy snow fall as we are still in the present ‘icehouse’. The reasons for an ‘icehouse’ condition have been speculated to be due to Earth’s passage<sup>12</sup> through a dense matter spiral arm of our Milky Way or it may be a result of structural tectonic break ups on our planet. Either way the present ‘icehouse’ conditions that we are living in could be about to get a whole lot worse! When our ice age finally arrives with a vengeance we could see a decimation of the population from hypothermia and starvation.”<sup>13</sup>*

The indicator of a move to a new ice age comes from ice core researchers at the Neils Bohr Institute (Denmark) who have discovered that the Earth has been getting gradually cooler over the past 40-65 million years. This long-period ice core data should instil a rational perspective in everyone, in regards to long-term Global Warming. We may believe our climate is presently out of control, gradually getting much warmer, but the fact remains that Earth has been slowly cooling down.

**CRITICAL:** This information is vitally important to consider as governments think about putting reflective particles in the upper atmosphere to reduce the sun’s intensity.<sup>14</sup> This idea is a proposal to reduce ground temperatures and neutralize the effects of Global Warming.<sup>15</sup> BUT, **an ice age is only a few degrees colder than the global temperature of today.**



The following information helps shed more light on the science that’s useful when considering Anthropogenic Climate Change.

This graph shows the relationship between Earth’s orbit and periods of glaciation:<sup>16</sup>

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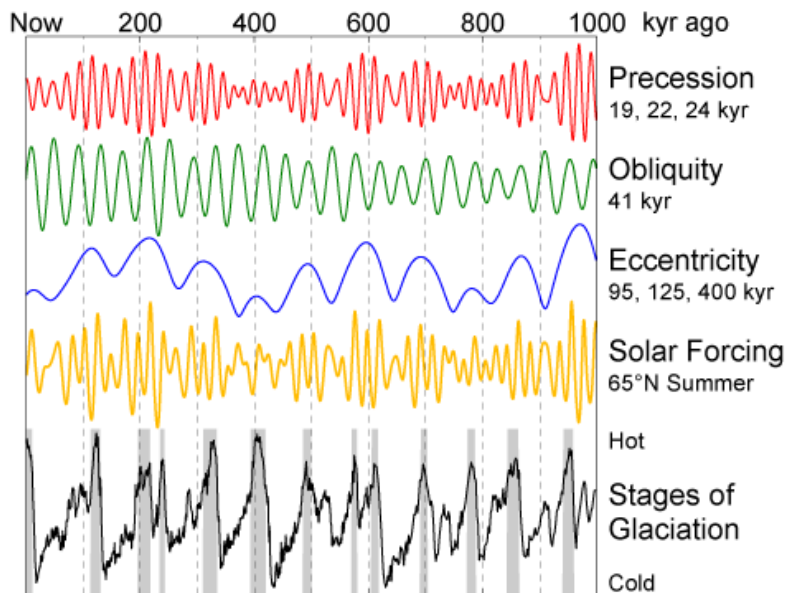
12 – See the 2<sup>nd</sup> graph on the next page which shows the relationship between Earth’s orbit and periods of glaciation.

13 – Susan Thomas (2019) “Grand Solar Minimum: Ice age soon” [Kindle Edition]  
[www.amazon.com.au/Grand-Solar-Minimum-Ice-soon-ebook/dp/B07MQG8HKS](http://www.amazon.com.au/Grand-Solar-Minimum-Ice-soon-ebook/dp/B07MQG8HKS)

14 – •“On Climate Frankensteins and Sun Kings” [www.theepochtimes.com/on-climate-frankensteins-and-sun-kings\\_5384999.html](http://www.theepochtimes.com/on-climate-frankensteins-and-sun-kings_5384999.html)  
•“New Green Scheme: Block Sunlight to Save the Planet From Global Warming”  
[www.theepochtimes.com/new-green-scheme-block-sunlight-to-save-the-planet-from-global-warming\\_5371970.html](http://www.theepochtimes.com/new-green-scheme-block-sunlight-to-save-the-planet-from-global-warming_5371970.html)

15 – “The Problem with Blocking Sunlight to Counteract Global Warming” (23-7-2023)  
[canberraforerunners.org/wp-content/uploads/The-Problem-with-Blocking-Sunlight-to-Counteract-Global-Warming.pdf](http://canberraforerunners.org/wp-content/uploads/The-Problem-with-Blocking-Sunlight-to-Counteract-Global-Warming.pdf)

16 – GRAPHIC: “Milankovitch Variations” [en.wikipedia.org/wiki/Quaternary\\_glaciation#/media/File:Milankovitch\\_Variations.png](http://en.wikipedia.org/wiki/Quaternary_glaciation#/media/File:Milankovitch_Variations.png)  
Produced by Robert A. Rohde from publicly available data, and is incorporated into the Global Warming Art project. Own work, CC BY-SA 3.0



The above graph plots variations in Earth’s orbit, the resulting changes in solar energy flux at high latitude, and the observed glacial cycles. This is the work of Serbian geophysicist and astronomer Milutin Milanković.

*“According to Milankovitch Theory,<sup>17</sup> the precession<sup>18</sup> of the equinoxes and the apsides<sup>19</sup>, variations in the tilt of the Earth's axis (obliquity) and changes in the eccentricity of the Earth’s orbit are responsible for causing the observed 100 kyr<sup>20</sup> cycle in ice ages by varying the amount of sunlight received by the Earth at different times and locations, particularly high northern latitude summer. These changes in the Earth’s orbit are the predictable consequence of interactions between the Earth, its moon, and the other planets.”<sup>21</sup>*

## >>>>>Resource list below<<<<<

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13-7-2023  
([www.CanberraForerunners.org](http://www.CanberraForerunners.org))

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## RESOURCES

- **ARTICLE:** “11 Scientific Predictions for the Upcoming Grand Solar Minimum”  
[www.naturalblaze.com/2020/09/11-scientific-predictions-for-the-upcoming-grand-solar-minimum.html](http://www.naturalblaze.com/2020/09/11-scientific-predictions-for-the-upcoming-grand-solar-minimum.html)

17 – [en.wikipedia.org/wiki/Milankovitch\\_cycles](https://en.wikipedia.org/wiki/Milankovitch_cycles)  
18 – [en.wikipedia.org/wiki/Precession](https://en.wikipedia.org/wiki/Precession)  
19 – Plural of ‘apsis’. ([en.wikipedia.org/wiki/Apsis](https://en.wikipedia.org/wiki/Apsis))  
20 – kyr = thousand year  
21 – [commons.wikimedia.org/wiki/File:Milankovitch\\_Variations.png](https://commons.wikimedia.org/wiki/File:Milankovitch_Variations.png)

- **ARTICLE:** “The New Little Ice Age Has Started” (Abdussamatov)  
[www.institut-halbach.de/wp-content/uploads/2020/01/Abdussamatov\\_The\\_New\\_Little\\_Ice\\_Age\\_Has\\_Started.pdf](http://www.institut-halbach.de/wp-content/uploads/2020/01/Abdussamatov_The_New_Little_Ice_Age_Has_Started.pdf)
- **ARTICLE:** “Upcoming Grand Solar Minimum Could Wipe Out Global Warming for Decades”  
[www.climatedepot.com/2020/10/05/physicist-upcoming-grand-solar-minimum-could-wipe-out-global-warming-for-decades/](http://www.climatedepot.com/2020/10/05/physicist-upcoming-grand-solar-minimum-could-wipe-out-global-warming-for-decades/)