

Is Climate Engineering Real?

By [Dr. Joseph Mercola](#)

Global Research, July 20, 2023

[Mercola](#)

Region: [USA](#)

Theme: [Environment](#), [Intelligence](#)

In-depth Report: [Climate Change](#)

All Global Research articles can be read in 51 languages by activating the Translate Website button below the author's name.

To receive Global Research's Daily Newsletter (selected articles), [click here](#).

Click the share button above to email/forward this article to your friends and colleagues. Follow us on [Instagram](#) and [Twitter](#) and subscribe to our [Telegram Channel](#). Feel free to repost and share widely Global Research articles.

U.S. presidential candidate Robert F. Kennedy Jr. recently interviewed Dane Wigington, founder of GeoengineeringWatch.org, about climate engineering and its hidden role in climate change

The White House is considering a plan to block sunlight from hitting the surface of the earth in a bid to halt global warming, a process known as solar radiation modification (SRM)

A supercomputer called Derecho is analyzing the effects of solar geoengineering to help climate scientists decide whether SRM will be a good idea

According to Dane Wigington, founder of GeoengineeringWatch.org, geoengineering projects of various kinds are already having severe impacts on weather patterns, our ability to grow food, biodiversity and human health

Intentional geoengineering — including solar dimming — has been going on for more than 70 years

*

In the video above, U.S. presidential candidate Robert F. Kennedy Jr. interviews Dane Wigington, founder of GeoengineeringWatch.org, about climate engineering and its hidden role in climate change. Wigington also produced the documentary "The Dimming."

While Wigington has tried to raise awareness about the reality of climate engineering for the last two decades, his work is now gaining traction after the White House announced it's backing a plan to block sunlight in a climate engineering effort.

White House Considers Measure to Block Sunlight

As reported by the Daily Mail, July 1, 2023:¹

“The White House has opened the door to an audacious plan to block sunlight from hitting the surface of the Earth in a bid to halt global warming.

Despite some scientists warning the effort could have untold side effects from altering the chemical makeup of the atmosphere, President Joe Biden’s administration has admitted they’re open to the idea, which has never been attempted before.

In a report² released Friday by the White House, officials suggested limiting sunlight to rapidly cool the planet, a process known as solar radiation modification (SRM) ...

The report noted several ways authorities could look to achieve SRM, all of which come with potentially devastating consequences if they backfire ... undertaking the mammoth task could have severe ramifications weather patterns and food supplies, which would in turn impact biodiversity, geopolitics, and health.”

Policymakers in the European Union recently called for an international assessment of geoengineering risks, noting that:³

“These technologies introduce new risks to people and ecosystems, while they could also increase power imbalances between nations, spark conflicts and raises a myriad of ethical, legal, governance and political issues.”

Supercomputer to Determine Effects

According to Scientific American, a supercomputer called Derecho will help climate scientists decide whether to block the sun:⁴

“A new supercomputer for climate research will help scientists study the effects of solar geoengineering, a controversial idea for cooling the planet by redirecting the sun’s rays.

The machine, named Derecho, began operating this month at the National Center for Atmospheric Research and will allow scientists to run more detailed weather models for research on solar geoengineering, said Kristen Rasmussen, a climate scientist at Colorado State University who is studying how human-made aerosols, which can be used to deflect sunlight, could affect rainfall patterns.

Because Derecho is three and a half times faster than the previous NCAR supercomputer, her team can run more detailed models to show how regional changes to rainfall can be caused by the release of aerosols, adding to scientists’ understanding of the risks from solar geoengineering ... The machine will also be used to study other issues related to climate change.”

Geoengineering Is the Biggest Contributor to Climate Change

According to Wigington, there’s plenty of evidence showing that geoengineering projects of various kinds are already having severe impacts on weather patterns, our ability to grow food, biodiversity and human health.

Geoengineering projects have expanded from some 300 in 2012, to more than 1,700 in 2023.

Intentional geoengineering — including solar dimming — has been going on for more than 70 years and has exponentially expanded in more recent years. A geoengineering map,⁵ created by the ETC Group and the Heinrich Boell Foundation, shows how geoengineering projects have expanded from some 300 in 2012, to more than 1,700 in 2023.

This includes carbon capture/removal, solar radiation reduction and a variety of weather modification projects worldwide. Not surprisingly, Bill Gates has been funding geoengineering for a long time. Broadly, geoengineering programs were initially implemented after World War II, starting in the polar regions.

For years, anyone who said that geoengineering and weather modification was being used was labeled a tinfoil hat-wearing conspiracy theorist. As it turns out, it was true all along, and with the White House report just released, mainstream naysayers are suddenly admitting it as well.

What they're not readily admitting, however, is that a) geoengineering is as dangerous as climate change itself, and b) that geoengineering is responsible for the most catastrophic changes in our climate.

As noted by Wigington, the globalist power structures that now claim we need to use geoengineering to solve climate change were the ones responsible for creating that climate change in the first place with their geoengineering. According to Wigington, the state of our global climate is "even worse than we're being told," and climate engineering is "fueling that process."

In other words, the globalist cabal is trying to convince us that the cause of the problem is the solution, all while pinning the blame for climate change on regular people who drive cars to work and eat meat.

Are Chemtrails Real?

One geoengineering technique used across the world involves the dispersion of chemicals and metals into the atmosphere, a practice colloquially referred to as chemtrailing.

A key difference between regular condensation trails from aircraft and particulate trails (chemtrails) is that condensation trails evaporate rather quickly. They will not block 80% to 90% of solar uptake and create global dimming like chemtrails do.

The persistent lines you see in the sky that very slowly disperse, creating a muddy, hazy "film" across the entire sky are NOT condensation trails. They are particulate trails, or "chemtrails." The particles dispersed in the air column are further manipulated via radio frequency transmissions.

The Alaskan installation known as HAARP⁶ is but one facility involved. There are dozens of other large, ground-based facilities just like it around the globe. Smaller networks and NEXRAD radar stations located in urban areas around the world are also employed. All these networks are used to manipulate the particles dispersed via "chemtrails" in the atmosphere.

What Are They Spraying Into the Atmosphere?

One of the key ingredients in these particulate trails is nanosized aluminum, which is neurotoxic to animals and humans. Aluminum also kills the root systems of plants and trees, as well as the soil microbiome. It also alters soil pH, which makes it harder for some crops to grow. One of the reasons aluminum is used is because it has high reflectivity, so sunlight bounces off it.

According to Wigington, climate engineers have stated they're depositing tens of millions of tons of aluminum nanoparticles into the atmosphere annually as part of ongoing solar radiation management programs — "with no consideration for the consequences whatsoever."

Lab tests conducted by GeoengineeringWatch also shows the presence of barium, strontium, titanium, manganese, polymer fibers, surfactant chemicals, and graphene in these particulate trails, as well as in rain.

While all these ingredients are studied for their effectiveness in geoengineering, no research is being done to ascertain what the health effects might be on populations, vegetation and wildlife below.

Wigington also warns that these aerosol sprays can be used to disperse bioweapons and may have been used for this purpose already. He cites a Washington Post article that noted the U.S. Army conducted 239 open-air germ warfare tests on the U.S. population between 1949 and 1969 alone.⁷

Where Are the Whistleblowers?

According to Wigington, we have evidence that commercial airlines began to be used for particulate release operations in 2002, when restrictions on passenger luggage were implemented. That's not to say that pilots or airline employees know what's going on, but some airliners are equipped with nozzles and tanks for this purpose.

Kennedy points out that thousands of people must have been read into programs of this magnitude, so how come there are so few whistleblowers? According to Wigington, those in the know are all under gag order.⁸ This includes weathermen. Secrecy is also upheld through massive compartmentalization.

Still, we know weather modification and geoengineering is real. Not only can we see it in the sky and measure the toxic particles in the aerosol and on the ground, but we also have patents describing these processes.

According to Wigington, the U.S. government owns many of the primary ones. Others are held by defense contractors like Raytheon and Lockheed Martin, which also do all the weather modeling for the U.S. national weather service.⁹

He suggests the reason weathermen can predict an area will have partial sun seven days in advance is because we don't have natural weather anymore. We have programmed weather. And the reason Raytheon and Lockheed oversee weather modeling is because they're also neck-deep in weather modification and need to maintain control of the

narrative.

We Face Abrupt Climate Collapse

According to Wigington, what we face is far worse than climate change. Due to the geoengineering already conducted, what we're facing is an abrupt climate collapse,^{10,11} due to the many feedback mechanisms triggered. The particulates dispersed during these geoengineering events "shred" the ozone layer. As a result, UV-C rays are now hitting the surface of the planet.

Other ramifications of geoengineering that are currently observable also include global dimming (chemtrails reduce solar radiation by 80% to 90%), global stilling (reduced wind flow), a reduction in precipitation and protracted droughts, a 90% reduction in plankton, and toxic geoengineering elements being found on the ground and in rainwater.

Moreover, while global cooling is the stated aim of most of these geoengineering programs, as the planet warms, the laws of physics state you need more precipitation to cool it, not less, because the atmosphere carries more moisture as the temperature rises.

To cool the planet, you need to create more rain, but these programs have resulted in less rain, and the reason for the reduction in rainfall is due to the particulates in the atmosphere. In addition to deflecting heat from the outside, these particles also trap heat down below, making the overall heating of the planet massively worse.

Is combating global warming really the endgame, or is that just a convenient cover story for a far more reckless goal? And if so, what might that goal be?

One might be that they're trying to hide the severity of the damage that their geoengineering has already done. Another might be to control populations and governments, using weather as a weapon. It might also be for communication enhancement purposes, as the atmosphere is being made more electrically conductive by these particles.

Signs and Symptoms of Geoengineering

At the end of the interview, Kennedy asks Wigington what kinds of things in everyday life that people should look for if they're looking for evidence of geoengineering. One major one is the destruction of forests, as root systems die off due to aluminum loading.

Home gardeners, especially if you've been doing it for a decade or longer, may notice that fruits and vegetables don't grow nearly as well as they used to. Not only are soil microbiomes being decimated and soil pH altered, but the air is also being altered.

The particles in the atmosphere create vapor pressure deficit (VPD), they lower the rH of the air, which is like the pH of soil. If there's not enough humidity, trees and plants shut down their respiratory system (stomata).

Stomata are involved in the exchange of carbon dioxide and water between plants and the atmosphere. So, when VPD happens, the plants and trees stop taking up carbon dioxide and they no longer release oxygen.

As a result, forests cease being carbon sinks and become carbon sources. Eventually, without respiration, the plants and trees die off. Increased UV radiation also damages plants,

causing leaf scorch.

Geoengineering Won't Fix the Climate Crisis

At the end of March 2023, a new study came out debunking the idea that short-term solar dimming might be a viable way to for world governments to meet their climate targets. Scientific American reported on the study, noting:¹²

“A controversial idea for cooling the earth’s climate through artificial means would likely require a much longer global commitment than policymakers and the public understand, according to a recent study¹³ that raises new questions about the potential for using solar geoengineering.

If world leaders decide to use solar geoengineering to meet international climate goals, they could be locked into it for a century or more ...

Geoengineering is ‘often communicated as temporary, a stopgap measure — so it implies being relatively short, and short in the sense of a couple of decades,’ said lead study author Susanne Baur, a doctoral candidate at the European Centre for Research and Advanced Training in Scientific Computation in France.

‘And so when we started looking at these pathways, and we extrapolated them a bit longer, we saw that in many cases, it’s actually not that short.’

The public may not realize the scope of a commitment solar geoengineering — or its risks, including the need for long-term international cooperation. ‘If we have to keep up a system like this for such a long time, that just increases the possibility of something bad happening,’ Baur said.”

In a nutshell, the study argues that once you begin solar geoengineering, you can’t stop until or unless enough carbon has been eliminated from the atmosphere to lower the earth’s temperature below a certain threshold.

If there’s too much carbon left, then a sudden halt to the geoengineering could skyrocket, resulting in “termination shock,” a concept that describes a sudden, drastic elevation in global temperatures that life on earth doesn’t have time to adapt to. In other words, it could result in a global extinction event.

Resources

To learn more about weather modification and geoengineering, check out GeoengineeringWatch.org. It has a wealth of information, shareable resources, patents and documents relating to geoengineering programs. Also check out Wigington’s full-length documentary, “The Dimming,” embedded above for your convenience.

*

Note to readers: Please click the share button above. Follow us on Instagram and Twitter and subscribe to our Telegram Channel. Feel free to repost and share widely Global Research articles.

Notes

¹ [Daily Mail July 1, 2023](#)

² [Congressionally Mandated Research Plan and an Initial Research Governance Framework Related to Solar Radiation Modification June 2023](#)

^{3, 4} [Scientific American July 7, 2023](#)

⁵ [Map. Geoengineeringmonitor.org](#)

⁶ [Global Research January 18, 2015](#)

⁷ [YouTube Dane Wigington Interview 11:25](#)

⁸ [YouTube Dane Wigington Interview 10:41](#)

⁹ [YouTube Dane Wigington Interview 41:10](#)

¹⁰ [YouTube Dane Wigington Interview 11: 53](#)

¹¹ [USA Watchdog March 6, 2019](#)

¹² [Scientific American April 3, 2023](#)

¹³ [Earth Systems Dynamics March 28, 2023](#)

Featured image: HAARP (Photo by Secoy, A/CC BY 4.0)

The original source of this article is [Mercola](#)
Copyright © [Dr. Joseph Mercola](#), [Mercola](#), 2023

[Comment on Global Research Articles on our Facebook page](#)

[Become a Member of Global Research](#)

Articles by: [Dr. Joseph Mercola](#)

Disclaimer: The contents of this article are of sole responsibility of the author(s). The Centre for Research on Globalization will not be responsible for any inaccurate or incorrect statement in this article. The Centre of Research on Globalization grants permission to cross-post Global Research articles on community internet sites as long the source and copyright are acknowledged together with a hyperlink to the original Global Research article. For publication of Global Research articles in print or other forms including commercial internet sites, contact: publications@globalresearch.ca
www.globalresearch.ca contains copyrighted material the use of which has not always been specifically authorized by the

copyright owner. We are making such material available to our readers under the provisions of "fair use" in an effort to advance a better understanding of political, economic and social issues. The material on this site is distributed without profit to those who have expressed a prior interest in receiving it for research and educational purposes. If you wish to use copyrighted material for purposes other than "fair use" you must request permission from the copyright owner.

For media inquiries: publications@globalresearch.ca