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#1

2getherwestand
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[GeoEngineering Schemes \(excellent site with great info\)](#)

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GeoEngineering Schemes

Welcome to the Geoengineering Schemes Section of the ADC Website

Geoengineering is defined as "planetary-scale enviromental engineering of our atmosphere, our weather, the oceans, and the Earth itself". The methods, schemes, that may now be used without public oversight, debate, prior public notification, U.S. Congress or any oversight are staggering in number and scope.

The Congressional Research Service released it new report on Geoengineering for members of the U.S. Congress on August 16, 2010. The U.S. House Science & Technology Committee released their Final Geoengineering Report on October 27, 2010. The U.S. House Science and Technology Committee on Geoengineering is working with the UK Parliament on Global Geoengineering Governance which has released its 5th Report (printed by the House of Commons) , on March 10, 2010. Click on the link below to read these reports:
<http://www.agriculturedefensecoalition.org/content/geoengineering-current-actions>

(Update: We should all remember that volcanoes erupt each year negating the need for any geoengineering schemes to be deployed. In March 2010, a volcano in Iceland erupted and sent an ash cloud spreading over Europe which lasted for months and may create global cooling along with acid rains which will have negative impacts on trees, water supplies, oceans, and soils. Earth's natural systems are still working...and we can't afford for man to add to these problems or exacerbate them by deploying more toxic chemicals, gases, and particles into the atmosphere to reduce the amount of direct sunlight reaching the Earth. Each unpredictable volcanic eruption on Earth has the same effect.

A few geoengineers have been on the news in recent days stating that the Iceland volcano will not cause any cooling...in order to keep promoting geoengineering as an option. It should be noted that other scientists have been stating for the news media that these volcanic plumes will change the weather and also that there are acid rains and human health problems which could be associated with this and other periodic eruptions.

Geoengineers had no advance notice of this eruption nor will they know when future eruptions will take place. Thus, we have to consider these natural events and measure them their synergistic and cumulative effects before considering artificial geoengineering schemes. In addition, the synergistic and cumulative effects of their proposed geoengineering schemes, when natural volcanoes serve the same function, is unknown. It is now time to shelve man-made geoengineering schemes. RP)

Many private corporations, universities, government agencies, private individuals, states, counties, and cities, have deployed or will participate in deploying, a vast array of geoengineering experiments in the near future without public oversight or consent. Currently no government agency, or the U.S. Congress at this time, will have any idea what the cumulative or synergistic effects may be when these experiments are deployed. In addition, no one, not even the U.S. Congress or the public, will have any oversight of these programs, the chemicals or particles that will be used or how they will be implemented. **Thus, action is needed today to prevent these questionable experiments.**

The U.S. House Science & Technology Committee and the UK Parliament have engaged in an agreement to participate in geoengineering discussions and the possible implementation of global geoengineering governance proposed by the Royal Society and several climate scientists. Private and public meetings of climate scientists, with little media coverage, were initiated in February and March 2010, in California, in order to elaborate on possible geoengineering schemes and to discuss global geoengineering governance guidelines.

The purpose of one set of schemes is to initiate "Solar Radiation Management (SRM)" experiments. SRM is designed to reduce the amount of direct sunlight reaching the Earth. The consequences of these SRM schemes are unknown since planetary-scale engineering involves so many different geoengineering schemes with unknown cumulative and synergistic effects.

A key AAAS February 2010, geoengineering write-up states: "...Studies show, however, that people make judgments based primarily on their values, belief systems, world views, and emotions. Facts play a much more minor role. This gap cannot be bridged by loading the public with facts, or trying to make the public more science literate..." Thus, a whole series of presentations were made to advise geoengineers and others on how to manipulate the public so that they would support these schemes.

In a Press Release Dated December of 2002 titled: "GEOENGINEERING TOO RISKY" A Lawrence Livermore Laboratory Press release warns, "...There are many reasons why geoengineering is not a preferred option for climate stabilization..." These prescriptions include risks of global "system failure" and the "unpredictable responses" of Earth's climate system to large-scale human intervention..."

On March 22-26, 2010, the Climate Respond Fund (note the partners listing in the document section below), sponsored the Asilomar International Conference on Climate Intervention Technologies in Monterey, California. The conference was designed to develop (global geoengineering governance) guidelines for "...research and testing of proposed climate intervention and geoengineering technologies..."

What are the consequences of deploying Solar Radiation Management geoengineering experiments?

- 1) Some of these experiments are designed to reduce the amount of direct sunlight reaching the Earth thus reducing the power output and the effectiveness of solar panels and solar cars.
- 2) Many proposed chemicals or particles used in these geoengineering schemes (i.e., U.S. Navy/NASA C.A.R.E. experiment used a rocket to create an aluminum oxide dust cloud over the Eastern portion of the U.S. on September 19, 2009), are likely to be toxic to humans, marine mammals, oceans, fish, wildlife, food pollinators, and birds. Many of these toxic chemicals, like sulfur, have the potential to contaminate drinking water, soil, cause acid rain or air pollution, and may impair human health, from lack of Vitamin D, by reducing the amount of sunlight reaching the Earth.
- 3) NASA research studies show that increasingly persistent jet contrails may turn into "man-made clouds" (or white haze), and are "...trapping warmth in the atmosphere and exacerbating global warming...Any change in global cloud cover may contribute to long-term changes in the Earth's climate..." No current U.S. legislation addresses water vapor and aviation impacts on the global atmosphere. In addition, our scientists do not appear to be funding or working toward reducing or eliminating this problem. What happens when additional programs are put in place to reduce the amount of sunlight reaching the Earth when we already have man-made clouds dimming the sun and exacerbating global warming?
- 4) SRM may limit Honey Bee food pollination because the bee navigates and communicates through the use of ultraviolet light. And we have no idea what the cumulative impacts of toxic chemicals, particles, and reduced sunlight will have on all of our pollinators endangering food production.
- 5) Photosynthesis is required for the majority of life on Earth to exist, along with healthy trees, and food crop production. When cloud cover and reduced sunlight is present crop production drops. When direct sunlight and normal rainfall is present crop production increases. What happens when geoengineers deliberate reduce the amount of direct sunlight reaching the Earth? What are the consequences of multiple uncontrolled experiments?

The climate scientists and geoengineers all have one repeated mantra: **"...Geoengineering is not a solution to climate change and global warming..."** They are instead enlisting support to spend enormous sums to buy time to do something later. Just what research, project funding, and development are they now engaging in to fix our current pollution problems now? Nothing! They are not promoting research into benefits that will be long-lasting or make a difference now.

The "temporary fix" theory with "unknown consequences" seems to be their only contribution to the disaster they predict. Should the public be willing to accept this temporary fix with unknown consequences? This attitude is unacceptable because those conducting the geoengineering experiments will be unaccountable if their experiments go awry or create profound negative consequences.

Professor Benford (U.C. Irvine, CA), wrote the following regarding the public in a Reason.com article in 1997: "...But perhaps the greatest unknown is social: How will the politically aware public react--those who vote, anyway? If geoengineers are painted early and often as Dr. Strangeloves of the air, they will fail. Properly portrayed as allies of science--and true environmentalism--they could become heroes... A major factor here will be whether mitigation looks like yet another top-down contrivance, another set of orders from the elite. Draconian policing of fuel burning will certainly look that way, a frowning Aunt Bessie elbowing into daily details...In contrast, mitigation does not have to push a new camel's nose into our tents... Technical solutions can play out far from people's lives, on the sea or high in the air...Once we become caretakers, we cannot stop...(they) must be carried forward in the shadow of our stewardship..."

Instead of questionable geoengineering experiments all reductions of greenhouse gas emissions and other pollutants, at their source, should be regulated by the Environmental Protection Agency and all funding should go to the EPA for developing alternative energy and transportation. Scientists and researchers should be funded to invent ways to use

waste energy from currently operating energy plants to produce clean, green power, and reduce greenhouse gas emissions is where funding should be directed...not to those programs and experiments that will not reduce our impact on Earth from various types of pollution sources. The energy of the geoengineers should be redirected to solve pollution problems not add to them.

On June 10, 2010, the U.S. Senate voted to uphold a 2007, U.S. Supreme Court Decision, that allows the EPA to regulated and reduce greenhouse gas emissions. There is no reason to initiate global geoengineering programs when we have the ability to reduce pollution under our laws. Reduction is the preferred alternative to pollution...not adding more toxic contaminates to our atmosphere that will impact life on Earth as we know it.

Our local, county, state and federal representatives should take immediate action to stop these geoengineering scheme deployments until scientists from every field, agriculture interests, ocean scientists, marine biologists, and the public have had time to thoroughly investigate these schemes and their effects on the Earth's environment.

No one has the right to use the Earth, or Earth's atmosphere, as a giant experimental physics laboratory due to the unknown consequences of such actions.

State and U.S. Congressional Hearings should be immediately held in order to completely investigate the consequences of proposed and ongoing geoengineering experiments by any individual, state, county, private corporation, the U.S. military, university or U.S. government agencies on agriculture, crop production, human health, and our oceans. There is a lot at stake and all of us should make our voices heard in this debate.

Articles on Geoengineering

[16 1 2010 NWV Solar Radiation Management - Geoengineering February 18, 2010 by R. Peterson.pdf](#)

[16 2007 NWV Geoengineering Alert An Uncomfortable Truth by Rosalind July 1, 2007 Part II.pdf](#)

[16 2009 NWV U.S. Navy Geoengineering Space Project Begins September 15, 2009 by Rosalind.pdf](#)

The United States has been releasing Aluminum and other toxic chemicals (along with rocket fuel emissions), into the atmosphere in order to conduct various atmospheric experiments. It is no surprise that the whales in all ocean areas were found to have high levels of aluminum.

[16A 2000-2005 Ocean Alliance Executive Summary of Ocean Toxic Chemicals in Whales Note Aluminum Levels.pdf](#)
Global Geoengineering Governance

[16A 2009 Parliament.uk Website November 5, 2009 New Inquiry-Regulation of Geoengineering with U.S.pdf](#)

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[16A 2010 GAO March 18, 2010 Preliminary Observations-Geoengineering Science+Federal Efforts+Governance.pdf](#)

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[16A 2011 Geoengineering Scientists Debate Risks of Sun-Blocking+Other Climate Tweaks to Fight Warming April 4, 2011 Huffington Post.pdf](#)

[16A GEOENGINEERING PETITION TO PROTECT PUBLIC HEALTH+AGRICULTURE FROM ATMOSPHERIC QUESTIONABLE EXPERIMENTS.pdf](#)

[16A Poster+Banner Geoengineering CRRES + HAARP High Altitude Auroral Research Program 2006 RP.jpg](#)

[16AZ 2011 A Few Geoengineering Images Internet July 20, 2011.pdf](#)

This section contains descriptions of all geoengineering schemes that have been discussed in the past ten years. This includes graphics and other information on these schemes.

[16B 2006 Geoengineering How to Cool A Planet Maybe NYTimes Problems+Experiments June 27, 2006 Entire Article.pdf](#)

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[16B 2011 Arctic Geoengineering A Climate Cures Dark Side January 30, 2011 Newsweek Magazine.pdf](#)

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[16BC 2004 Carbon Sequestration Oceans March 13, 2004 Abstract Pacific Ocean Tests.pdf](#)

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[16BC 2008 Carbon Capture Graphic-Build CO2 Supertrees February 25, 2008 Discover Magazine.pdf](#)
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Nitrogen Removal

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[16BC 2010 Carbon Sequestration One Germany Town Fighting CO2 Capture Technology-Pollution Water Supplies AUG 20, 2010 Spiegel News.pdf](#)
[16BC 2010 Giant Carbon Vault Proposed Near One New York City National Geographic News January 4, 2010 Atlantic Ocean Vault.pdf](#)
[16BC 2011 DAC Direct Air Capture of CO2 with Chemicals APS June 1, 2011.pdf](#)
[16BC 2011 Geoeengineering Direct Carbon Dioxide Removal from Atmosphere Likely Not Viable May 9, 2011 by Schultz Princeton University.pdf](#)

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[16BI 2000 Ocean Iron Fertilization-Dumping Iron Early History Wired Science November 2000.pdf](#)
[16BI 2007 Ocean Iron Fertilization Planst to Capture Carbon in Oceans Draws Fire NOV 6, 2007 Green Tech News.pdf](#)
[16BI 2007 Ocean Iron Fertilization Problems Geoeengineering MSNBC March 16, 2007 News.pdf](#)
[16BI 2008 Geoeengineering the Climate With Aerosols FEB 22, 2008 Science Daily News- Risk Questions.pdf](#)
[16BI 2008 Ocean Iron Fertilization 2008 National Institute of Oceanography Project LOHAFEX.pdf](#)
[16BI 2008 Ocean Lime Fertilization Questions-Shell Oil July 28, 2008 Adding LIME to Oceans Could Reduce CO2 Next-to-Energy News.pdf](#)
[16BI 2009 Experiment Trying to Create Algae Bloom Goes Ahead Despite Environmental Fears Discover Magazine JAN 12, 2009.pdf](#)
[16BI 2009 Ocean Iron Fertilization Geoeengineering LOHAFEX Project JAN 13, 2009 ETC Group News-Germany Wants Project Stopped.pdf](#)
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[16BI 2009 Ocean Iron Fertilization Remains Afloat LOHAFEX-Climate Fix Detrimental to Oceans Questions BBC JAN 29, 2009.pdf](#)
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[16BI 2010 Ocean Issues Nature Reports More Acid, Less Iron Ocean Problems for Marine Life JAN 28, 2010 Problems+Questions.pdf](#)
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[16BIZ 2010 CLIMOS Ocean Iron Fertilization CLIMOS Website March 1, 2010 Information About CLIMOS Proposed Schemes.pdf](#)
[16BIZ 2010 PLANKTOS Ocean Iron Fertilization Science Home Page March 1, 2010 Ocean Iron Fertilization- Geoeengineering.pdf](#)
[16BIZ 2011 CLIMOS Ocean Iron Fertilization Schemes Website July 22, 2011 http_www.climos Private Company.pdf](#)
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Solar Mirrors, Sunshades, Sunscreens, Umbrellas, Artificial Ionosphere, Solar Sails

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[16BM 2007 NASA NIAC Solar Shield in Space to Counter Global Warming by Angel University of Arizona 2007.pdf](#)
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Particles, gases, and other materials injected into the atmosphere to reduce the amount of direct sunlight reaching the Earth.

This can include, but is not limited to, sulfur and aluminum oxide.

[16BS 2006 Crutzen Geoengineering C&EN August 1, 2006 Artificial Sulfur Injections Crutzen.pdf](#)
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[16BS 2008 Sulfur Geoengineering Sky May 19, 2008 Harold Sun Climate Plan Could Change Sky Color.pdf](#)
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[16BS 2009 Sulfur Intellectual Ventures Stratoshield White Paper 2009.pdf](#)
[16BS 2010 Nature Geoscience July 18, 2010 Letter Abstract Regional Climate Response to Solar Radiation Management.pdf](#)
[16BS 2010 Sulfuric Acid as Gas Release Geoengineering Lift-Off The Economist November 4, 2010 Not Sulfur Dioxide.pdf](#)
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Global Dimming

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Bill Gates (Microsoft) has decided to become involved in Geoengineering Schemes. He is funding a few scientists who wish to engage in implementing these schemes. In addition, he has given money to various private corporations to conduct experiments.

Any individual with money and other resources, private corporations, governments, and others can use our atmosphere or oceans as an experimental physics laboratory. Universities and NASA have conducted such experiments, along with our military, for years.

It is outrageous that anyone can subject us to these experiments without our consent. And what right does Bill Gates or anyone else have to "play God" with the Earth and the Earth's atmosphere? It is these questions which must be answered before more of these experiments and schemes are conducted.

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Note: Professor Gregory Benford of U.C. Irving stated in his article on Arctic Geoengineering on November 20, 2006: "...This idea is only the first step in making climate science...into an active science... This is not a new transition in scientific style...We will live inside the experiment ...The main thrust of all this is to carefully use our ability to attack warming at its roots – incoming sunlight now, carbon dioxide later... Costs seem readily attainable – perhaps a few hundred of millions of dollars for an Arctic experiment. High altitude trials over the open ocean are little constrained by law or treaty, so show-stopper politics may be avoided..."

Funding: January 28, 2010 Wired Science: Bill Gates has sunk at least \$4.5 million of his personal wealth into geoengineering research.

<http://www.wired.com/wiredscience/2010/01/bill-gates-paying-for-climate-hacking-resear>

"...While it's a small chunk of Gates' vast personal fortune, it's a sign that the founder of Microsoft thinks we should at least be looking into the controversial practice of intentionally altering the Earth's climate on a global scale. "[Gates] views geoengineering as a way to buy time, but it's not a solution to the problem" of climate change, Gates' spokesperson John Pinette told Science Insider. "Bill views this as an important avenue for research — among many others, including new forms of clean energy."

The money will be directed by two high-level scientists at the forefront of geoengineering research: climate scientist Ken Caldeira, of Stanford's Carnegie Department of Global Ecology, and physicist David Keith of the University of Calgary. They will decide which technologies should receive the cash in order to alter the stratosphere to reflect solar energy, filter carbon dioxide directly from the atmosphere and brighten ocean clouds..."

"...In a related development Keith, one of the scientists directing Gates' money, co-authored a *Nature* editorial this week calling for an international fund for "solar-radiation management" in addition to traditional carbon emissions cuts. "Solar-radiation management may be the only human response that can fend off rapid and high-consequence climate change impacts," Keith said in a press release Wednesday... He and his co-authors, Edward Parson at the University of Michigan and Granger Morgan at CarnegieMellon University, propose a budget for solar-radiation management (aka geoengineering), beginning with \$10 million a year now and growing to \$1 billion annually by the end of 2020. The organization that manages the funds would also develop the governance structures to provide transparent risk analysis and manage feedback from the world's countries..." Thus, there would be no Congressional or public oversight...complete freedom to use the oceans and the atmosphere as a private physics laboratory.

**GEOENGINEERING = SOLAR RADIATION MANAGEMENT
PLAYING RUSSIAN ROULETTE WITH EARTH'S ATMOSPHERE**

No One Knows How Many Geoengineering Programs Will be Authorized Without Public Consent, Oversight or Prior Notification. Synergistic & Cumulative Effects Could Have Profound Negative Consequences on the Earth.

HOW DO YOU LIKE YOUR SKIES...
NATURAL OR MAN-MADE?

**NO PUBLIC OVERSIGHT
NO PUBLIC NOTIFICATION
NO PUBLIC DEBATE
VOTE NO TODAY!**

CLIMATE & WEATHER CHANGES

CONSEQUENCES

ENGINEERING

Solar Umbrella

INCREASING ASTHMA & RESPIRATORY PROBLEMS

Soil pH Changes

REFLECTIVE PARTICLES & MAN-MADE CLOUDS = SUNLIGHT REDUCTION

Geoenigineering Solar Radiation Management Schemes

INCREASED ACID RAIN

LOWER CROP PRODUCTION EASIER SPREADING OF FLU EPIDEMICS

ASK QUESTIONS!

REDUCED RAINFALL & AIR POLLUTION

PHOTOSYNTHESIS

OCEAN LIFE DECLINES - OTHER PROBLEMS

REDUCED SOLAR PANEL OUTPUT

UNKNOWN CONSEQUENCES

INCREASED WATER & AIR POLLUTION

LOOK UP!

GLOBAL DIMMING

NEW VOLCANO ERUPTIONS

MAN-MADE CLOUDS

WASHINGTON (AP) April 8, 2009 - "The president's new science adviser said today... the Obama administration is discussing radical technologies to cool Earth's air." John Holdren told the AP "... the idea of geoengineering the climate is being discussed..."

DAVID W. KEITH - JANUARY 18, 2001 "Geoengineering is planetary-scale environmental engineering..."

DEAD & DYING TREES

OZONE DEPLETION

NO MORE BLUE SKIES

SYNERGISTIC & CUMULATIVE IMPACTS

WATER VAPOR IS A GREENHOUSE GAS

HOONEYBEE & POLLINATOR DECLINES

DROUGHT

CONTRAILS CAUSE CLIMATE CHANGE

Today's Weather Artificially Created

LACK OF DIRECT SUNLIGHT WILL HARM THE EARTH

Private Corporations, Government Agencies, the Military, Universities and Private Individuals are NOW, and have been in the past, Modifying your Weather and Conducting Atmospheric and Ocean Experiments Without Public Consent, Prior Notification or Oversight. It is time that we, the people, took back our rights, because the Earth, its Weather, and its Atmosphere belongs to all of us... not just to those who intend to use the Earth and our Atmosphere as their own Private Physics Laboratory.
U.S. House Science & Technology Hearing on Geoengineering - November 5, 2009 Read or Listen to Testimony:
http://science.house.gov/Publications/hearings_markups_details.aspx?NewsID=2668

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<http://newswithviews.com/Peterson/rosalinda.htm> www.californianskywatch.com www.agriculturedefensecoalition.org

The information below in the form of pdf files are all of the information on geoengineering that is in my database at this time. More geoengineering information will be made available whenever new information becomes available. We do know that the implementation of ocean and atmospheric geoengineering has already started without public consent or oversight. What we need to do now is to put a stop to these programs.

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Water Vapor is a Greenhouse Gas. Aviation has Tremendous Impacts on the Earth and our Atmosphere.

Our Elected Officials, Bill Gates, NOAA, NASA, and other other government agencies should be working to solve the pollution, ozone, and water vapor aviation issues. We know from NASA and other studies that Aviation has negative impacts on our atmosphere. Why isn't this issue being addressed? Why are the climate scientists that are promoting geoengineering schemes not working to resolve these aviation issues? We could reduce pollution if investments were made in this area of research. Instead wild geoengineering schemes which will make things worse are being funded. Why?

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(BBC Radio show)

May 12, 2011

BBC News Report - Video

"...Secret US embassy cables released show nations are racing to "carve up" Arctic resources - oil, gas and even rubies - as the ice retreats. They suggest that Arctic states, including the US and Russia, are all pushing to stake a claim. The opportunity to exploit resources has come because of a dramatic fall in the amount of ice in the Arctic. The US Geological Survey estimates oil reserves off Greenland are as big as those in the North Sea. The cables were released by the Wikileaks whistleblower website as foreign ministers from the eight Arctic Council member states - Russia, the United States, Canada, Denmark, Norway, Finland, Sweden and Iceland - met in Nuuk, Greenland, on Thursday to sign a treaty on international search and rescue in the Arctic and discuss the region's future challenges. The cables claim the Danish Foreign Minister Per Stig Moeller joked with the Americans saying "if you stay out, then the rest of us will have more to carve up in the Arctic"..."

<http://news.bbc.co.uk/2/hi/programmes/newsnight/9483790.stm>

Developing an International Framework for Geoengineering (Video)

Council on Foreign Relations Website: March 10, 2010 General Meeting:

Developing an International Framework for Geoengineering

<http://www.cfr.org/climate-change/developing-international-framework-geoengineering-video/p21636>

Speakers: M. Granger Morgan, Head, Department of Engineering & Public Policy, Carnegie Mellon University

John D. Steinbruner, Director, Center for International & Security Studies, University of Maryland

Prsident: Ruth Greenspan Beill, Acting U.S. Climate Policy Director, World Resources Institute

November 15, 2007

Environmental scientist David Keith proposes a cheap, effective, shocking means to address climate change: What if we injected a huge cloud of ash into the atmosphere to deflect sunlight and heat.

<http://www.ted.com/>

Video AAAS Geoengineering Meeting February 20, 2010 San Diego, California

The following video was recorded and provided to the ADC by Deborah Whitman, Environmental Voices, Sacramento, California. David Keith & Ken Caldiera both gave geoengineering presentations and then answered questions at the end of their presentations.

Video About Energy from Salt Water

[16 Experiments Using Salt Water for Energy - March 2010 MSNBC SaltWater.wmv](#) (6.7MB)

CLIMOS-OCEAN IRON FERTILIZATION COMPANY

Documents coming soon.

PLANKTOS-OCEAN IRON FERTILIZATION COMPANY

Documents coming soon.



Click on the image to see it full size.

X 1 Photograph Calpella CA Mendocino County, CA 2005 by Rosalind Peterson "X" Marks the Spot.

Persistent Jet Contrails that turn into man-made clouds, according to NASA studies, exacerbate global warming, change our climate, and negatively impact natural resources. The jets that leave these persistent contrails are engaged in a type of atmospheric geoengineering which may have other negative consequences.

Persistent jet contrails also produce white haze and cirrus clouds which may have reduced the amount of direct sunlight reaching the earth, disrupted plant and tree health due to lack of photosynthesis, and lowered crop production at various times in the past twenty years due to the extreme amount of man-made cloud cover in Northern California.

This type of persistent jet contrail first appeared in Mendocino County in the late 1980s when the configuration of military jet fuel changed from JP-4 to JP-8 with additives. Mendocino and the adjoining Lake County (in Northern California), also became Military Operations Areas (Listed as MOA 1, 2 & 3 on NOAA Flight Maps), without the consent or knowledge of most of the residents in these counties.

[Massive fireball reported across Midwestern sky - CNN.com Wednesday, April 14, 2010](#) (video)

[16 Iceland Volcano Photograph April 2010 Unknown Photographer.pdf](#)

Agenda Steve Paikin — March 18, 2010 — Is geoengineering the answer to the world's climate change woes?

Guests:

John Stone is adjunct research professor at Carleton University.

Alan Robock is distinguished professor of Climatology, director of the Meteorology Undergraduate Program, and associate director of the Center for Environmental Prediction Department of Environmental Sciences at Rutgers University.

David Keith is director of ISEEE Energy and Environmental Systems Group, the Canada research chair in Energy and the Environment at the University of Calgary.

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**San Francisco Commonwealth Club Video:
Geoengineering Global Salvation or Ruin?**

February 23, 2010

Uploaded by StanfordUniversity on Mar 22, 2011

January 31, 2011

David Keith, Professor of Chemical and Petroleum Engineering at the University of Calgary, explores possibilities for the intentional alteration of Earth's radiation budget as a means to mitigate risks to Earth's climate and human society in the face of insufficient or ineffective emissions reduction efforts.

Stanford University

<http://www.stanford.edu>

Univ. of Calgary Dept. of Chemical and Petroleum Engineering

<http://schulich.ucalgary.ca/chemical>

A Small Group of Individuals, Professors, Climate Scientists, and others have been promoting

Geoengineering programs and experiments for the past ten years. There are a very few who have raised serious questions about these experiments. You will find below names that have been engaged in the last few years speaking about Geoengineering Schemes. A few note potential consequences from these experiments, like air and water pollution or acid rains. The majority of promoters want to experiment no matter what the consequences advising the public that we should be the guinea pigs living inside their experiments. A few have even stated that if people are harmed it doesn't matter...that they feel that this is a price we should all pay so that they can conduct their experiments.

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