



## Western Auto Giants Accused Of Spying On Citizens For Chinese Government

Ford, Tesla, Volkswagen, BMW and 200 more carmakers are feeding location data to the Chinese government. That this data would not be used to augment citizen oppression is inconceivable. The fact is, electric autos already transmit location data to the automaker; they are merely turning it over to control-freak Technocrats. Americans should take a very hard look at Tesla and Ford, remembering the Elon Musk's grandfather was the Canadian leader of Technocracy, Inc. in Canada during the 1930s and 1940s. Ford has always leaned toward Technocracy, playing to a key theme in Huxley's Brave New World, where time was measured as AF, or 'Anno Ford'. Apparently neither Ford nor Tesla care that they are helping enslave 20% of the human race in China, and if true, would they do it to the other 80%? The answer is self-evident! □ TN Editor

Global car giants are feeding real-time information from electric vehicles to China's 'big brother' government, it's been reported.

The revelations come as President Xi Jinping is accused of stepping up

the use of tech to track the movements of his citizens.

More than 200 car makers - including Tesla, Volkswagen, BMW, Ford, Nissan, and Mitsubishi - have been passing on the info.

The Associated Press has revealed they have been sending at least 61 data points to government-backed monitoring platforms.

However, the auto manufacturers say they are merely complying with local laws, which only apply to alternative energy vehicles.

And Chinese officials say the data is only used for analytics to improve public safety, infrastructure planning and prevent fraud.

But critics say the information collected exceeds those goals and could even be used for surveillance purposes.

Under Xi, China has been accused of [using tech to “police” anything perceived threats to the](#) ruling Communist Party.

Ding Xiaohua, of the Shanghai Electric Vehicle Public Data Collecting, Monitoring and Research Centre said it is not facilitating state surveillance.

However, data can be shared with police, prosecutors or courts, if a formal request is made.

The centre is registered as a non-profit but is tightly aligned with and funded by the government.

“To speak bluntly, the government doesn’t need to surveil through a platform like ours,” Ding said.

Many vehicles in the US, Europe and Japan already transmit position information back to automakers

They then feed it to tracking apps, maps that pinpoint nearby amenities etc, but the data stops there.

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# Weaponized AI: The Future Of Algorithmic Forever Wars

Whatever AI is to civilian populations, to a war zone it is killing on steroids, and could play the central role in our so-called 'forever wars' like Afghanistan. □ TN Editor

The US military is creating a more automated form of warfare - one that will greatly increase its capacity to wage war everywhere forever.

ast month marked the 17th anniversary of 9/11. With it came a new milestone: we've been in Afghanistan for so long that someone born after the attacks is now old enough to go fight there. They can also serve in the [six other places](#) where we're officially at war, not to mention the 133 countries where special operations forces have conducted [missions](#) in just the first half of 2018.

The wars of 9/11 continue, with no end in sight. Now, the Pentagon is investing heavily in technologies that will intensify them. By embracing

the latest tools that the tech industry has to offer, the [US military](#) is creating a more automated form of warfare - one that will greatly increase its capacity to wage war everywhere forever.

On Friday, the defense department closes the bidding period for one of the biggest technology contracts in its history: the Joint Enterprise Defense Infrastructure (Jedi). Jedi is an ambitious project to build a cloud computing system that serves US forces all over the world, from analysts behind a desk in Virginia to soldiers on patrol in Niger. The contract is worth as much as \$10bn over 10 years, which is why big tech companies are fighting [hard](#) to win it. (Not Google, however, where a pressure campaign by workers [forced](#) management to drop out of the running.)

At first glance, Jedi might look like just another IT modernization project. Government IT tends to run a fair distance behind [Silicon Valley](#), even in a place as lavishly funded as the Pentagon. With some 3.4 million users and 4 million devices, the defense department's digital footprint is immense. Moving even a portion of its workloads to a cloud provider such as Amazon will no doubt improve efficiency.

But the real force driving Jedi is the desire to weaponize AI - what the defense department has begun calling "algorithmic warfare". By pooling the military's data into a modern cloud platform, and using the machine-learning services that such platforms provide to analyze that data, Jedi will help the Pentagon realize its AI ambitions.

The scale of those ambitions has grown increasingly clear in recent months. In June, the Pentagon [established](#) the Joint Artificial Intelligence Center (JAIC), which will oversee the roughly 600 AI projects currently under way across the department at a planned [cost](#) of \$1.7bn. And in September, the Defense Advanced Research Projects Agency (Darpa), the Pentagon's storied R&D wing, [announced](#) it would be investing up to \$2bn over the next five years into AI weapons research.

So far, the reporting on the Pentagon's AI spending spree has largely focused on the prospect of autonomous weapons - Terminator-style killer robots that mow people down without any input from a human operator.

This is indeed a frightening near-future scenario, and a global ban on autonomous weaponry of the kind sought by the [Campaign to Stop Killer Robots](#) is absolutely essential.

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## Is Alibaba's Jack Ma Using AI To Create Dystopian Cities?

Alibaba and Jack Ma are to China what Google and Eric Schmidt are to the U.S. Both are billionaires, both push dystopia cities and both are closely tied to their government. Note that Schmidt was appointed head of a Pentagon committee designed to integrate Silicon Valley into the intelligence services. □ TN Editor

News that tech giant Ma is a member of Communist party of China should set alarm bells ringing - and not just in China.

On the outskirts of Hangzhou, eastern China, in [Alibaba's](#) Cloud Town, a Silicon Valley-style working and leisure hub, cutting-edge research in artificial intelligence (AI) and smart city developments at one of China's

largest tech companies are showcased. It is a half-empty dystopia of almost comic proportions where the future of automation and infrastructure in southern China is played out. While Alibaba exhibitions and conferences occur sporadically, the full scope of what goes on there remains hidden.

Having long claimed to be apolitical, [Jack Ma](#), the billionaire co-founder and executive chairman of the tech giant Alibaba, was recently [revealed to be a member of the ruling Communist party of China \(CCP\)](#). It's another in a long list of links between corporate and state apparatus that stretch far beyond the borders of China. Nevertheless, a glimpse into the projects the company is working on in Cloud Town, considered in light of these revelations, should set the alarm bells ringing with fear of a dystopian future of state and corporate control.

Technologies in development at Cloud Town range from AI pedestrian crossing lights that use facial recognition to identify the age of a road-crosser and give them a longer green light if they are old/slow enough, to AI drone cars that can respond to passengers needs.

The greatest feature of the car, explained the proud representative, is that its media panel, linked to the user's smartphone, reads patterns of movement, food choices and potentially even photos and comments, and then crosses this with millions of data sets to make predictions about what the user might like to eat and how they might like to travel there or have the food travel to them. In short, the new citizen outsources part of their decision-making processes, and maybe even part of their desire, to Alibaba. Our very impulses are mapped and planned in advance. The triangulation between data, predictive technology and desire could be the single most important relationship taking us into the dystopian smart city future.

It's not so far from the technology of Google Now that has made headlines since plans [for its implementation in 2012](#). Here a previously neglected aspect becomes visible: Alibaba could use its complex algorithms to privilege food outlets that use Alipay rather than those that use [WeChat pay](#) or have no e-payment system, for example. Likewise, if Google answers your questions before you've asked them, it

also moves you down paths you might never have otherwise taken. It's the early implementation phase of a predictive tech revolution in which desire is not only predicted but incrementally edited to suit particular agendas - in this case corporate ones.

But the possibility made crystal clear by the revelation that Ma is now (and perhaps has been for some time) a formal member of the CCP is that this process of editing a population's movements and desires might not only be in the interests of corporate parties but of the closely associated state.

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## **Delta Activates 'First Biometric Terminal' In Atlanta Airport**

'Curb to gate' biometric surveillance is 'approved' by majority of travelers, as if they have any real choice in the matter. All airlines are

expected to follow Delta's lead, making this kind of surveillance a permanent fixture in American travel. □ TN Editor

Delta says the Atlanta airport's Terminal F has become the "first biometric terminal" in the United States where passengers can use facial recognition technology "from curb to gate."

And Delta has already announced plans to offer the technology at another of its hubs: Detroit.

In Atlanta, Delta has been rolling out biometric features gradually since October. Now, starting on Dec. 1, all Delta passengers traveling on flights to international destinations will be able to take advantage of the biometric options for all parts of their journey when departing from the airport's Terminal F.

"We're removing the need for a customer checking a bag to present their passport up to four times per departure - which means we're giving customers the option of moving through the airport with one less thing to worry about, while empowering our employees with more time for meaningful interactions with customers," Gil West, Delta's COO, said in a [statement](#) touting the airline's effort to outfit Terminal F with the biometric technology.

The option also will be available to international passengers flying nonstop from Atlanta on Delta's partner airlines Aeromexico, Air France-KLM or Virgin Atlantic.

How will it work?

Delta says customers enter their passport information during online check-in. Or, at the airport, customers can scan their passport to check in. Next, passengers can click "look" as they check in at one of Delta's automated kiosks. Travelers' face scans will be matched to passport or visa photos on file with U.S. Customs and Border Protection. Delta says customers have the same option as they "approach the camera at the counter in the lobby, the TSA checkpoint or when boarding at the gate."

As Delta has rolled out the option in Atlanta prior to the formal launch, the carrier said it has received positive feedback and that it's helping to



speed up the boarding of its international flights.

“Nearly all 25,000 customers who travel through ATL Terminal F each week are choosing this optional process, with less than 2 percent opting out,” Delta said in a statement. “And, based on initial data, the facial recognition option is saving an average of two seconds for each customer at boarding, or nine minutes when boarding a wide body aircraft.”

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## **In China, Tesla Transmits Location Data Directly To Government**

Other manufacturers of electric vehicles are required to do the same.

Thus, if you own a car in China, the government can precisely track your location every minute of the day. □ TN Editor

When Shan Junhua bought his white Tesla Model X, he knew it was a fast, beautiful car. What he didn't know is that Tesla constantly sends information about the precise location of his car to the Chinese government.

Tesla is not alone. China has called upon all electric vehicle manufacturers in China to make the same kind of reports — potentially adding to the rich kit of surveillance tools available to the Chinese government as President Xi Jinping steps up the use of technology to track Chinese citizens.

“I didn't know this,” said Shan. “Tesla could have it, but why do they transmit it to the government? Because this is about privacy.”

More than 200 manufacturers, including Tesla, Volkswagen, BMW, Daimler, Ford, General Motors, Nissan, Mitsubishi and U.S.-listed electric vehicle start-up NIO, transmit position information and dozens of other data points to government-backed monitoring centers, The Associated Press has found. Generally, it happens without car owners' knowledge.

The automakers say they are merely complying with local laws, which apply only to alternative energy vehicles. Chinese officials say the data is used for analytics to improve public safety, facilitate industrial development and infrastructure planning, and to prevent fraud in subsidy programs.

But other countries that are major markets for electronic vehicles — the United States, Japan, across Europe — do not collect this kind of real-time data.

And critics say the information collected in China is beyond what is needed to meet the country's stated goals. It could be used not only to undermine foreign carmakers' competitive position, but also for surveillance — particularly in China, where there are few protections on personal privacy. Under the leadership of Xi Jinping, China has unleashed a war on dissent, marshalling big data and artificial

intelligence to create a more perfect kind of policing, capable of predicting and eliminating perceived threats to the stability of the ruling Communist Party.

There is also concern about the precedent these rules set for sharing data from next-generation connected cars, which may soon transmit even more personal information.

“You’re learning a lot about people’s day-to-day activities and that becomes part of what I call ubiquitous surveillance, where pretty much everything that you do is being recorded and saved and potentially can be used in order to affect your life and your freedom,” said Michael Chertoff, who served as Secretary of the U.S. Department of Homeland Security under President George W. Bush and recently wrote a book called “Exploding Data.”

Chertoff said global automakers should be asking themselves tough questions. “If what you’re doing is giving a government of a more authoritarian country the tools to have massive surveillance, I think then companies have to ask themselves, ‘Is this really something we want to do in terms of our corporate values, even if it means otherwise forgoing that market?’”

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# Big Tech's Authoritarian Practices Are Accelerating

Governance by algorithm is what Parag Khanna meant when he wrote, "We are building the global society without a global leader. Global order is no longer something that can be dictated or controlled from the top down. Globalization itself is the order." □ TN Editor

Glenn Reynolds has [deactivated his Twitter account](#), citing the banning of [Jesse Kelly](#) for no apparent reason as the immediate cause of his disillusionment with the platform. Explaining his decision, he wrote:

*Why should I provide free content to people I don't like, who hate me? I'm currently working on a book on social media, and I keep coming back to the point that Twitter is far and away the most socially destructive of the various platforms. So I decided to suspend them, as they are suspending others. At least I'm giving my reasons, which is more than they've done usually.*

He may have beaten the digital bouncers to the door by only a little. The Thought Police are rushing to ensure that everyone toes the line.

The [Straits Times](#) reports that “Facebook will allow French regulators to ‘embed’ inside the company to examine how it combats online hate speech, the first time the wary tech giant has opened its doors in such a way, President Emmanuel Macron said.”

*The trial project is an example of what Mr Macron has called “smart regulation”, something he wants to extend to other tech leaders such as Google, Apple and Amazon. The move follows a meeting with Facebook’s founder, Mr Mark Zuckerberg, in May, when Mr Macron invited the chief executive officers of some of the biggest tech firms to Paris, telling them they should work for the common good.*

*The officials may be seconded from the telecoms regulator and the interior and justice ministries, a government source said. Facebook said the selection was up to the French presidency.*

*It is unclear whether the group will have access to highly sensitive material such as Facebook’s algorithms or codes to remove hate speech. It could travel to Facebook’s European headquarters in Dublin and global base in Menlo Park, California, if necessary, the company said.*

This is the same Emmanuel Macron who is worried that protests by the French *miserables* against his crushing environmental fuel taxes could hurt the government’s image:

*The French president told ministers at a cabinet meeting on Monday that the government must respond after images were relayed around the world of police firing teargas and water cannon at protesters who set up barricades, lit fires and smashed restaurants and shopfronts on the Champs-Élysées.*

It’s not just Macron who is leaning on Google. The government of China is also exerting pressure on the tech companies to help them to build a social media surveillance state. Here’s Ben Gomes, Google’s [search engine chief](#) who “joked about the unpredictability of President Donald Trump and groaned about the ongoing trade war between the U.S. and

China, which has slowed down Google's negotiations with Communist Party officials in Beijing, whose approval Google requires to launch the censored search engine":

*China I think is one of the most interesting markets, arguably the most interesting market in the world today. Just by virtue of being there and paying attention to the Chinese market, we will learn things, because in many ways China was leading the world in some kinds of innovation. We need to understand what is happening there in order to inspire us. It's not just a one-way street. China will teach us things that we don't know. And the people, as you work on this, both in the Chinese offices and elsewhere, paying attention to the things that are happening there is incredibly valuable for us as Google, potentially not just in China, but somewhere else entirely.*

One of the things China will pioneer, as the [New York Times](#) reports, is to use "A.I., shame and lots of cameras" to control its population:

*With millions of cameras and billions of lines of code, China is building a high-tech authoritarian future. Beijing is embracing technologies like facial recognition and artificial intelligence to identify and track 1.4 billion people. It wants to assemble a vast and unprecedented national surveillance system, with crucial help from its thriving technology industry ...China is reversing the commonly held vision of technology as a great democratizer, bringing people more freedom and connecting them to the world. In China, it has brought control.*

...

*"The goal is algorithmic governance."*

The control system China is implementing creates [two classes of citizens](#): the Woke and the Haters. The former will be rewarded and the latter banned from any responsible role in life:

*China's plan to judge each of its 1.3 billion people based on their social behavior is moving a step closer to reality, with Beijing set to adopt a lifelong points program by 2021 that assigns personalized*

*ratings for each resident ... The Beijing project will improve blacklist systems so that those deemed untrustworthy will be “unable to move even a single step.”*

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## **Democrats Introduce Massive Carbon Tax Legislation**

It's the “The Energy Innovation and Carbon Dividend Act of 2018” and it will face an uphill battle even though the House has a majority of Democrats. The mere fact that it is being reintroduced again demonstrates the persistence of global warming activists. □ TN Editor

Democrat Florida Congressman Ted Deutch has introduced a carbon tax

bill to impose a new national energy tax on the American people. The bill is a massive tax increase and would increase utility bills and the price of all products and services. In true politician-speak, Deutch has dubbed it “The Energy Innovation and Carbon Dividend Act of 2018.”

Voters across the USA — even in blue areas — have [consistently rejected carbon taxes](#) when faced with the issue at the ballot box. See the timeline [here](#). On top of that, Paris is burning as hundreds of thousands of French citizens — [yes even the French](#) — protest that country’s own carbon taxes.

Despite all this, Democrat Deutch [just can’t take a hint](#). Let’s look at the details of Deutch’s horrible bill:

**Imposes a massive and continually ratcheting national energy tax, allowing politicians to raise taxes without ever having to vote.** Just like the French proposal that starts with a big tax that gets more oppressive with time, the bill imposes a \$15 per ton carbon (energy) tax, increasing by \$10 per year into the future. Within five years the tax would automatically rise to \$55 per ton. For reference, the carbon tax [handily rejected](#) by blue Washington state voters in November started at \$15 and ratcheted up by \$2 per year. Perhaps Deutch thinks the voters just want to be taxed at even higher rates.

**Shovels taxpayer money into a giant vat for IRS, EPA, and State Department bureaucrats.** The IRS and EPA will develop a cozy relationship — and what’s not to love about that — to siphon funds from the vat of taxpayer funds for what the bill calls “Administrative Expenses” and “Other Administrative Expenses.” For reasons unclear, State Department bureaucrats will also have access to the vat of taxpayer funds. What could go wrong?

**Gives broad powers to IRS chief to find new products and entities to be carbon-taxed.** The IRS is directed to work with the EPA in order to find more tax targets: “Any manufactured or agricultural product which the [Treasury] Secretary in consultation with the [EPA] Administrator determines” is a tax target. The newly-carbon-taxed items will be added to the long list already specified in the bill: Iron, steel, steel mill products including pipe and tube, aluminum, cement, glass,



fiberglass, pulp, paper, chemicals, and industrial ceramics.

**Gives broad powers to the EPA chief.** The bill gives czar-like powers to the EPA chief including the power to impose “monitoring, reporting, and record-keeping requirements” on Americans. The bill also gives the EPA chief power to conduct investigations and force “information collection.”

**Establishes a creepy DC-based “Carbon Dividend Trust Fund” that seeks a backdoor two-child limit on families.** The “Carbon Dividend Trust Fund” leftovers will somehow be routed from DC on a per-person basis and households with more than two children are considered unworthy: The legislative language specifically imposes **“a limit of 2 children per household.”**

Here it is, straight from the bill text:

*“A carbon dividend payment is one pro-rata share for each adult and half a pro-rata share for each child under 19 years old, **with a limit of 2 children per household**, of amounts available for the month in the Carbon Dividend Trust Fund.”*

**Gives broad powers to the Treasury Department to issue even more rules and regulations.** The bill language states:

*“The Secretary shall promulgate rules, guidance, and regulations useful and necessary to implement the Carbon Dividend Trust Fund.”*

**Imposes income tax on the carbon tax “dividend.”** Yes, the government fleeces the taxpayers and sends the carbon tax money to DC, where it is siphoned off by bureaucrats. Then a leftover “dividend” is supposedly sent out to the countryside where it is then subject to income tax! Here is the bill language:

*“(D) FEE TREATMENT OF PAYMENTS. — Amounts paid under this subsection shall be includible in gross income.*

A tax on a tax, which will likely increase the complexity of your annual tax filing. Here’s an idea — how about not taking the money from taxpayers in the first place?

**Greases the skids for a European-style Value Added Tax, a cash cow for big government** by erecting a complex carbon tax border adjustment scheme.

**Authorizes armed carbon tax enforcement agents.** The bill authorizes armed carbon tax enforcement agents to collect the new tax on energy used by Americans. As if customs enforcement doesn't already have enough on its plate, the bill states:

*“The revenues collected under this chapter may be used to supplement appropriations made available in fiscal years 2018 and thereafter -*

*“(1) to U.S. Customs and Border Protection, in such amounts as are necessary to administer the carbon border fee adjustment.”*

**Authorizes certain government sharing of Social Security information.** The bill states:

*“(B) COMMISSIONER OF SOCIAL SECURITY. — The Commissioner of Social Security shall, on written request, disclose to officers and employees of the Department of the Treasury individual identity information which has been disclosed to the Social Security Administration as is necessary to administer section 9512*

Americans for Tax Reform opposes the bill. **“The proposed carbon tax is a gas tax and a tax on your electric bill. Worse, it increases automatically year after year so the politicians can raise your taxes without ever having to vote,”** said Grover Norquist, president of Americans for Tax Reform. **“The tax will be hidden in the price of all goods and services. A hidden tax. A permanent tax. An uncontrolled tax that increases without end.”**

The text of Democrat Deutch's carbon tax bill can be found [here](#).

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# Mosquitos: How Robots And AI Are Used For Species Extinction

Nobody likes mosquitos but ordering their extinction gives Technocrat-minded scientists all kinds of ideas on how to best use technology on how to do it. Worse, Alaphabet, Inc. (owns Google) is leading the charge.  
□ TN Editor

Silicon Valley researchers are attacking flying bloodsuckers in California's Fresno County. It's the first salvo in an unlikely war for Google parent Alaphabet Inc.: eradicating mosquito-borne diseases around the world.

A white high-top Mercedes van winds its way through the suburban sprawl and strip malls as a swarm of male *Aedes aegypti* mosquitoes shoot out of a black plastic tube on the passenger-side window. These pests are tiny and, with a wingspan of just a few millimeters, all but invisible.

“You hear that little beating sound?” says Kathleen Parkes, a spokesperson for Verily Life Sciences, a unit of Alphabet. She’s trailing the van in her car, the windows down. “Like a duh-duh-duh? That’s the release of the mosquitoes.”

Jacob Crawford, a Verily senior scientist riding with Parkes, begins describing a mosquito-control technique with dazzling potential. These particular vermin, he explains, were bred in the ultra-high-tech surroundings of Verily’s automated mosquito rearing system, 200 miles away in South San Francisco. They were infected with Wolbachia, a common bacterium. When those 80,000 lab-bred Wolbachia-infected, male mosquitoes mate with their counterpart females in the wild, the result is stealth annihilation: the offspring never hatch.

Better make that 79,999. “One just hit the windshield,” says Crawford.

Mosquito-borne disease eradication is serious stuff for Alphabet, though it is just one of many of the company’s forays into health care and life sciences. Through Verily and other branches of the company, Alphabet is investigating smart contact lenses, artificial intelligence applications for health care, and the molecular mechanisms of aging. Just this month, Alphabet hired Geisinger Health CEO David Feinberg to oversee its many health-care initiatives.

Verily guards its technology closely. But it stands to reason that if it succeeds in making mosquito control easy and cheap enough, it could have a lucrative offering on its hands: Many governments and businesses around the globe might be glad to pay for a solution to their mosquito problems.

In the arid climate of California’s Central Valley, *A. aegypti* are detested for their vicious bite. But there, at least, they don’t typically transmit disease. Other places aren’t so lucky. The mosquito species is among the world’s deadliest, spreading diseases such as dengue fever and chikungunya in the tropics and subtropics. The diseases its bite carries kill tens of thousands of people every year and infects millions more. Releasing Wolbachia-infected mosquitoes into the wild may eventually wipe out entire populations of deadly mosquitoes and the diseases they

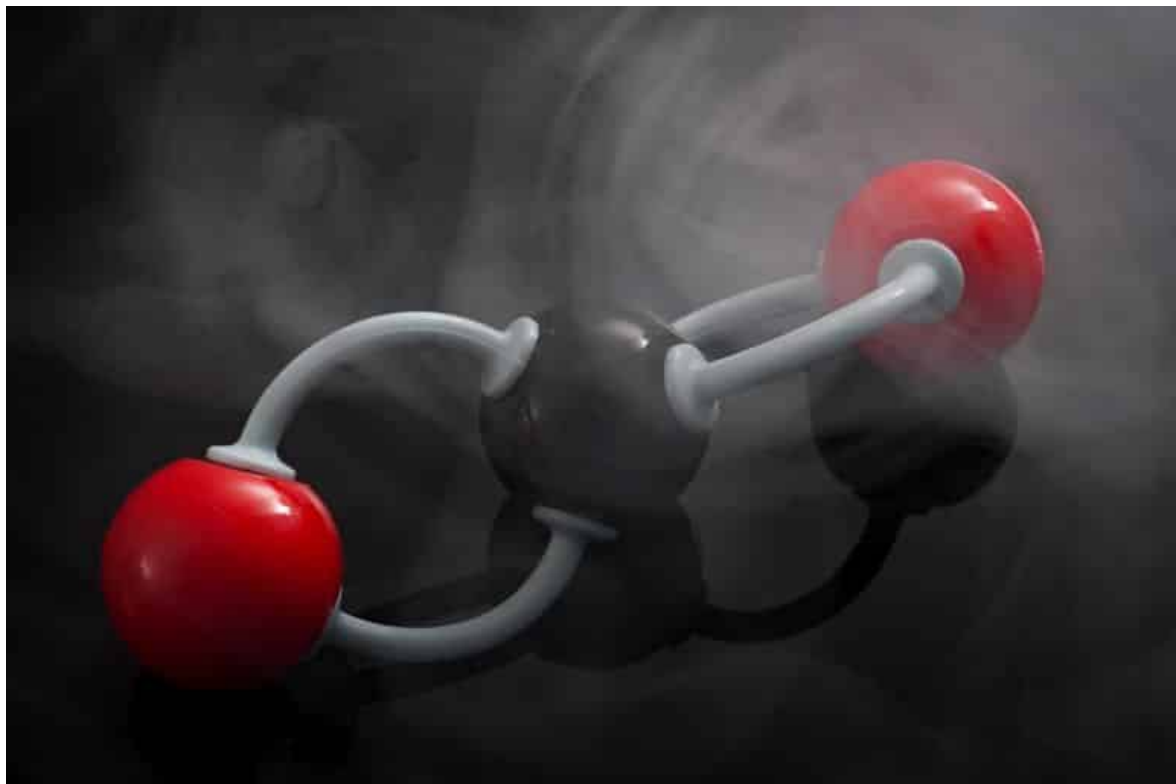
carry.

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At Verily's headquarters, the "factory" where the mosquitoes are bred incorporates even more automation. Once the eggs are laid, robots rear the mosquitoes to adulthood, packaging them in containers filled with water and air, feeding them, and keeping them warm. Still other robots sort them by sex, first by size (females are bigger) and then optically, using proprietary technology. Mosquitoes are all given a digital identifier that makes it possible to follow them from egg-state to the specific GPS coordinate where they're released.

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**Note To Technocrat Lawyers:**

# Rules Are Not Laws

The only silver bullet to permanently ground global warming fanatics in America is to strike down the EPA's declaration that CO2 is a harmful gas. Until this is done, the higher court's cannot and will not deal with the issue. □ TN Editor

I noticed years ago that rules are created to make society, or components of a society, function. The paradox is that when people say they are going to work to rule it means they intend to stop society functioning. America says it is a nation of laws. These were written to make the society function, but now they are used to ensure the society doesn't function or worse, is easily controlled by an elite few. Why did they only need ten commandments while the US needs thousands of laws? Why does America have more lawyers than the rest of the world combined? Who are they serving and protecting? Most people cannot afford a lawyer, especially "a good" one, that is one who knows how to beat the law whatever it says.

That last comment was underlined for me by a former student who became a lawyer. He took a course in contract law from one of the best contract lawyers in the country. The professors opening comment to the class said, *'If you sign a contract there is no problem. If you don't sign a contract, there is no problem. Now we will have a course in contract law.'*

The lawyers provided the ideal environment for technocrats, by destroying the keystone of society, trust. A few years ago, a Canadian newspaper ran a contest for the best humorous description of a Canadian. None of the winners was funny, least of all the runner-up. It said a Canadian is a person who will stop at a stop sign at three in the morning even though nobody is watching. Not only is this not funny, but it speaks to the very fabric of a law-abiding society. Each citizen trusts that every other citizen will obey the law when not watched. The legal profession says you don't trust anyone. You need a contract to guarantee trust. As some people ask, whatever happened to the solemnity and trust of a handshake?

The collapse of trust created a devastating side-effect. The attitude among many and certainly most of the young is that you only broke the law if you get caught. Then, even if you get caught, the wealthy technocrats hire the best lawyers, often with other people's money, to avoid the law.

The technocrats who construct and control the technology need to control the rules, and so they co-opt the law through the lawyers. This gives them far more control than people can imagine. Lawyers are the most prevalent profession of those in politics. Even if the politicians are not lawyers, it is the lawyer as a bureaucrat who writes the laws. The entire legal profession is a closed shop. They run the law faculties at the universities from top to bottom as Presidents, Deans, and other officers of their faculty.

The incestuous nature of the hierarchy continues in society at large. All recognition of a 'good' lawyer is determined by other lawyers. The Founding Fathers tried to prevent this by having Senate confirmation hearings, as we witnessed at the recent Kavanaugh Hearings. I watched that hearing and other Senate Judiciary Committee hearings of Administration appointees to Federal courts. In all cases, the majority of the Senators were lawyers or even former judges.

There is little danger of lawyers replacing the technocrats because they are almost exclusively Arts majors. I wrote about this bias in an [earlier article](#). The classic example of technocrats abusing climate science with the aid of lawyers using laws they wrote to accommodate involved the US Environmental Protection Agency (EPA). The State of Massachusetts lawsuit, was probably in an arrangement against the EPA. It accused them of failing to fulfil their legislated duty of protecting the citizens of Massachusetts against a 'harmful substance' CO<sub>2</sub>. EPA lost the case, and after reading some of the case, I believe deliberately lost. This guaranteed its consideration by the US Supreme Court (SCOTUS).

Justice Scalia asked why a science issue appeared before a court that knew nothing about science. He then said he had no choice in the ruling because it came under Administrative Law. The technocrats got the lawyers to write them back in the 1940s to protect what they were

doing. Basically, it says we as 'experts' set the rules and define the laws, that always makes us the authority. In this case, Administrative Law said the EPA must control a "harmful substance." What Scalia and the Justices didn't know was that the EPA determined that CO2 was a harmful substance. So, the EPA wrote the definitions and the laws all to give them absolute control over CO2. As Scalia said, he had no choice in his ruling.

If Trump wants to do something meaningful beyond abandoning the Paris Climate Agreement, he should get the EPA to remove the 'harmful substance' designation from CO2. It is a valuable gas essential to plant growth and does not cause warming or climate change.

If he wants to take back much of the control of America by the technocrats and their slaves, he can stop the lawyers by eliminating Administrative Law. He can use the abuse of the law to demonize CO2 as the perfect example. If you eliminate the biased rules, then they can't be used to control society.





# Scientists: Spray The Stratosphere, Dim The Sun, Cool The Planet

The Technocrat plans for geoengineering are now official and publicly declared: the goal is to dim the sun with stratospheric spraying, thereby quickly cooling the earth. Of course, all of these scientists are paid directly or indirectly by taxpayer money. □ TN Editor

Zhen Dai holds up a small glass tube coated with a white powder: calcium carbonate, a ubiquitous compound used in everything from paper and cement to toothpaste and cake mixes. Plop a tablet of it into water, and the result is a fizzy antacid that calms the stomach. The question for Dai, a doctoral candidate at Harvard University in Cambridge, Massachusetts, and her colleagues is whether this innocuous substance could also help humanity to relieve the ultimate case of indigestion: global warming caused by greenhouse-gas pollution.

The idea is simple: spray a bunch of particles into the stratosphere, and they will cool the planet by reflecting some of the Sun's rays back into space. Scientists have already witnessed the principle in action. When Mount Pinatubo erupted in the Philippines in 1991, it injected an estimated 20 million tonnes of sulfur dioxide into the stratosphere — the atmospheric layer that stretches from about 10 to 50 kilometres above Earth's surface. The eruption created a haze of sulfate particles that cooled the planet by around 0.5 °C. For about 18 months, Earth's average temperature returned to what it was before the arrival of the steam engine.

The idea that humans might turn down Earth's thermostat by similar, artificial means is several decades old. It fits into a broader class of planet-cooling schemes known as geoengineering that have long generated intense debate and, in some cases, fear.

Researchers have largely restricted their work on such tactics to computer models. Among the concerns is that dimming the Sun could

backfire, or at least strongly disadvantage some areas of the world by, for example, robbing crops of sunlight and shifting rain patterns.

But as emissions continue to rise and climate projections remain dire, conversations about geoengineering research are starting to gain more traction among scientists, policymakers and some environmentalists. That's because many researchers have come to the alarming conclusion that the only way to prevent the severe impacts of global warming will be either to suck massive amounts of carbon dioxide out of the atmosphere or to cool the planet artificially. Or, perhaps more likely, both.

If all goes as planned, the Harvard team will be the first in the world to move solar geoengineering out of the lab and into the stratosphere, with a project called the Stratospheric Controlled Perturbation Experiment (SCoPEX). The first phase — a US\$3-million test involving two flights of a steerable balloon 20 kilometres above the southwest United States — could launch as early as the first half of 2019. Once in place, the experiment would release small plumes of calcium carbonate, each of around 100 grams, roughly equivalent to the amount found in an average bottle of off-the-shelf antacid. The balloon would then turn around to observe how the particles disperse.

The test itself is extremely modest. Dai, whose doctoral work over the past four years has involved building a tabletop device to simulate and measure chemical reactions in the stratosphere in advance of the experiment, does not stress about concerns over such research. "I'm studying a chemical substance," she says. "It's not like it's a nuclear bomb."

Nevertheless, the experiment will be the first to fly under the banner of solar geoengineering. And so it is under intense scrutiny, including from some environmental groups, who say such efforts are a dangerous distraction from addressing the only permanent solution to climate change: reducing greenhouse-gas emissions. The scientific outcome of SCoPEX doesn't really matter, says Jim Thomas, co-executive director of the ETC Group, an environmental advocacy organization in Val-David, near Montreal, Canada, that opposes geoengineering: "This is as much

an experiment in changing social norms and crossing a line as it is a science experiment.”

Aware of this attention, the team is moving slowly and is working to set up clear oversight for the experiment, in the form of an external advisory committee to review the project. Some say that such a framework, which could pave the way for future experiments, is even more important than the results of this one test. “SCoPEX is the first out of the gate, and it is triggering an important conversation about what independent guidance, advice and oversight should look like,” says Peter Frumhoff, chief climate scientist at the Union of Concerned Scientists in Cambridge, Massachusetts, and a member of an independent panel that has been charged with selecting the head of the advisory committee. “Getting it done right is far more important than getting it done quickly.”

## Joining forces

In many ways, the stratosphere is an ideal place to try to make the atmosphere more reflective. Small particles injected there can spread around the globe and stay aloft for two years or more. If placed strategically and regularly in both hemispheres, they could create a relatively uniform blanket that would shield the entire planet (see ‘Global intervention’). The process does not have to be wildly expensive; in a report last month, the Intergovernmental Panel on Climate Change suggested that a fleet of high-flying aircraft could deposit enough sulfur to offset roughly 1.5 °C of warming for around \$1 billion to \$10 billion per year<sup>1</sup>.

Most of the solar geoengineering research so far has focused on sulfur dioxide, the same substance released by Mount Pinatubo. But sulfur might not be the best candidate. In addition to cooling the planet, the aerosols generated in that eruption sped up the rate at which chlorofluorocarbons deplete the ozone layer, which shields the planet from the Sun’s harmful ultraviolet radiation. Sulfate aerosols are also warmed by the Sun, enough to potentially affect the movement of moisture and even alter the jet stream. “There are all of these downstream effects that we don’t fully understand,” says Frank Keutsch,

an atmospheric chemist at Harvard and SCoPEX's principal investigator.

The SCoPEX team's initial stratospheric experiments will focus on calcium carbonate, which is expected to absorb less heat than sulfates and to have less impact on ozone. But textbook answers — and even Dai's tabletop device — can't capture the full picture. "We actually don't know what it would do, because it doesn't exist in the stratosphere," Keutsch says. "That sets up a red flag."

SCoPEX aims to gather real-world data to sort this out. The experiment began as a partnership between atmospheric chemist James Anderson of Harvard and experimental physicist David Keith, who moved to the university in 2011. Keith has been investigating a variety of geoengineering options off and on for more than 25 years. In 2009, while at the University of Calgary in Canada, he founded the company Carbon Engineering, in Squamish, which is working to commercialize technology to remove carbon dioxide from the atmosphere. After joining Harvard, Keith used research funding he had received from the Bill & Melinda Gates Foundation in Seattle, Washington, to begin planning the experiment.

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