



**COPY**

Copenhagen, 6<sup>th</sup> March 2020

Dear Prime Minister, Mette Frederiksen

Please help! Today I have sent the attached letter to the President of USA, trying to explain why we need to cover mother Earth in an “artificial” layer of manmade clouds. If we don’t, then we will soon see the full effect of an annual surplus of +250 ZJ of solar energy, being stored in our oceans. Never before in human history, have we experienced a faster heating process of our planet and oceans, than what we do right now. Water is the only coolant that we have, when it comes to our biggest nuclear power plant – the Sun. Given the “heating-power” of the Sun, all the water in the skies, in the air that we breathe, in our bodies, in our trees and plants, in our seas, lakes, rivers, glaciers and icecaps is the one and only “cooling system” that we have, and the Sun is giving us way more heat – day by day, than what is transmitted back into space, as infrared radiation. Way, way more!

As said, the Sun is by far our biggest and most powerful nuclear reactor. And when nuclear reactors produce more energy than they deliver, they will eventually start to heat up. What happened in the Three Mile Island accident, in Chernobyl and in the Fukushima Daiichi nuclear disaster, is now starting to take place on a global scale, with the biggest of all of our nuclear power plants. Soon this surplus of annual energy, from the Sun, will curve into a deadly “loss-of-coolant” situation, a situation that can evolve much faster than we recognize, why it is urgent to find solutions on how to control Global Warming – control this almost unlimited amount of energy; before it is forever too late.

If we choose to do nothing, we will soon lose the only place – in space, where humanity is known to exist. Can exist! 1-2 years from now, the whole world will start to see and understand the annual impact of +250 ZJ – and global panic will start to kick in, like never before! As I have tried to tell the President of USA, we must reduce our carbon footprint and our greenhouse gas emissions, as much as possible, but we will still have an incoming surplus of energy from the Sun, for many, many decades to come – and this decade is our last chance to come up with ideas on how to avoid human extinction. Avoid Earth’s climate to become the same as on Venus – and spin out of our control.

Given that the beginning of 2020 has been the warmest start of a year ever recorded, my biggest fear is, that we will soon do things to Mother Earth, that could lead to irreparable damages. My biggest fear is, that we will introduce “chemical” geoengineering on an industrial scale, that could harm us all, as these chemicals return back to the surface of Mother Earth. That we will do things, impossible to redo! Geoengineering, where we in panic spray untested chemicals into our stratosphere – or even worse, spray untested chemicals into orbit, that can never be removed, should it get out of human control.

If compared with “chemical” geoengineering, it’s important to note, that the two hypotheses described in the attached letter, to the President of USA, only uses freshwater why they are safe to the environment. And again, the aim is to try to increase global cloud coverage, during the warmest hours of day, same as hiding under a huge umbrella. Create clouds that hopefully can and will reflect some of the incoming sunlight back into space, only using nature’s own coolant, where the “artificial-cloud-effect” will disappear the very same moment we stop the process. As said, the two proposed geoengineering projects only use harmless freshwater, the coolant that we all know so well, the wonderful drinkable and life supporting coolant, that the Creator of Mother Earth gave to us, billions of years ago.

But before we introduce any form of “geoengineering”, it is vital to get a global consensus on what it is, that we want to achieve. Globally – in UN, we have to agree, that we only want to deflect “X” ZJ of excess heat per year! We must never use this technology in ways that can harm our planet or other nations, in order to support narrow national interests. We cannot – and should not, allow nations to have free access to geoengineering technology in order to cool places like Chad, Sudan or Libya, if it means that doing so will introduce a new era of “Ice Age”. A new era, that will make other parts of the world and other countries inhabitable, in ways that would only create international conflicts and new tensions.

To conduct the last of the two proposed experiments, where we mechanically try to lift trillions of cubic feet of warm and high humidity air, from near the surface of the sea to an elevation of approximately 5,000 to 10,000 feet, there are basically six tropical and sub-tropical mountain-areas in the Northern Hemisphere, that I will point to, which is the Canary Islands and Cap Verde, facing the Atlantic – Mt. Redondo (3,081 feet – 939 meter) on the northeastern part of Dinagat Islands, in the Philippines, Mt. Nanlaud (2,566 feet – 782 meter) on island of Pohnpei, in the Federated States of Micronesia, Mt. Sabana (1,626 feet – 496 meter) on the US island of Rota, and one of the mountain tops on the islands of Hawaii, in the Pacific Ocean. If we can successfully create “artificial-cloud-coverage” – and measure the effect, using all or some of these six locations, the two in the Atlantic Ocean and the four in the Pacific Ocean, a derived effect might or could be, that we can reduce the number of tropical hurricanes that hit the US East coast, Gulf of Mexico, Puerto Rico, the Caribbean, the Philippines, Mainland China, Japan and the rest of Asia each and every year. That is, if we by creating this “artificial-cloud-cover” can keep the Mid-Atlantic and the Mid-Pacific Oceans water temperatures near – or under, the 79.7°F (26.5°C), down to a depth of at least 160 feet (50 meters), which is the recognized value of temperature needed to fuel the Atlantic hurricane season as well as the Pacific typhoon season!

If possible, we would, at a price of only a few hundred million dollars (approximately \$250M in construction costs per plant and annual running costs of \$25M per plant, which is a high estimate!) be able to save many thousand lives and avoid coming economical losses of thousands of billions of dollars. If it works and saves our planet, the cost would only be a fraction of the expenses going into a Global recession, due to Global Warming!

And technology is already here! We do not need to invent anything! We already accelerate air vertically to 224 mph (EVGgroup), in indoor skydiving silos – (the biggest is 32 feet in diameter), just for the sake of having “fun”! We already transport billions of cubic feet of natural gas in thousands of miles of high-pressure pipelines – why we can easily make a few miles of parallel high-pressure ventilation shafts, from near the surface of the sea to the top of a nearby mountain! And giant Jumbo jets flying into the stratosphere is a well-known fact – to all of us, why lifting clean freshwater to 40,000 feet need no introduction.

As I hope and pray that you will help me promote these two ideas (experiments) – since time is running out very fast. At the same time, I need to inform you, that I – so far, have no financial interest in these two “experiments” or “projects”. However, I strongly believe – in fact I know, that this may very well be our last – and only, chance to counter the lethal effects of Global Warming, where we will soon experience the grim consequences of a beginning Global “nuclear meltdown”. That is, if we remain passive and chose to do nothing.

As for now – this is not about money or donations! It is all about political action and getting Global “UN” consensus, ASAP! If the proposed technologies work, it will give us more time to adjust to a fossil free economy – it will buy us crucial time! And it will take way more time, than until 2030, to reduce our carbon footprint with 50% – and much more time, than until 2050, to reduce our carbon footprint to zero. If we want to change Global economy to a “Carbon free” economy – and avoid ending in Global recession, we should expect approximately 100 years to do so – without lowering our Carbon free economy ambitions!

Beginning of 2020 has already shown, that Global Warming is very, very real – just take a look at NOAA’s latest data! And if we politically chose to do nothing, the worst is still to come – and unfortunately for humanity – and for Mother Earth, Climate Change will happen much, much faster than we think possible. So please help me ... please.

Yours sincerely,

Per Uggen  
Ship Master and VTS-operator.