



Greetings!

A LINE IN THE SAND

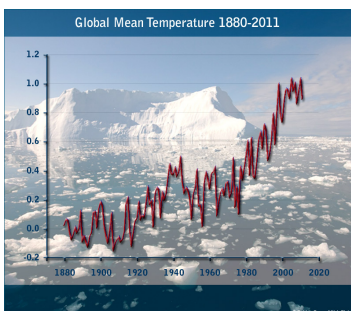
The UN Intergovernmental Panel on Climate Change Report



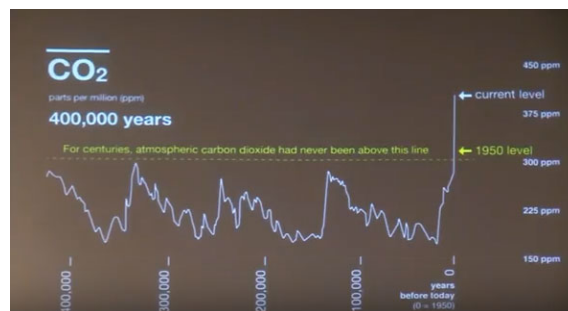
"A line in the sand" is how a member of the UN Intergovernmental Panel on Climate Change (IPCC) describes our present Earth situation as the lines of global temperatures and CO2 emissions are headed skyward and need to be directed down immediately. [Summary here.](#)

"It's a line in the sand and what it says to our species is that this is the moment and we must act now. This is the largest clarion bell from the science community and I hope it mobilises people and dents the mood of complacency."

The lines look like this.



Global Mean Temperature 1880 - 2011



in 400,000 years CO2 levels had never been above 300 ppm until 1950



Good news, insights and action for positive change

- ~ ~ ~
- PERSIST
- INSIST
- PROTECT
- DEFEND
- DEMAND
- DEFY
- DISRUPT
- GUIDE
- CREATE
- ~ ~ ~

"Imagine"
John Lennon

Justice is what love looks like in public.
Cornel West

Because I always have a choice, I choose love.
Deepak Chopra

Come, Come, whoever you are.

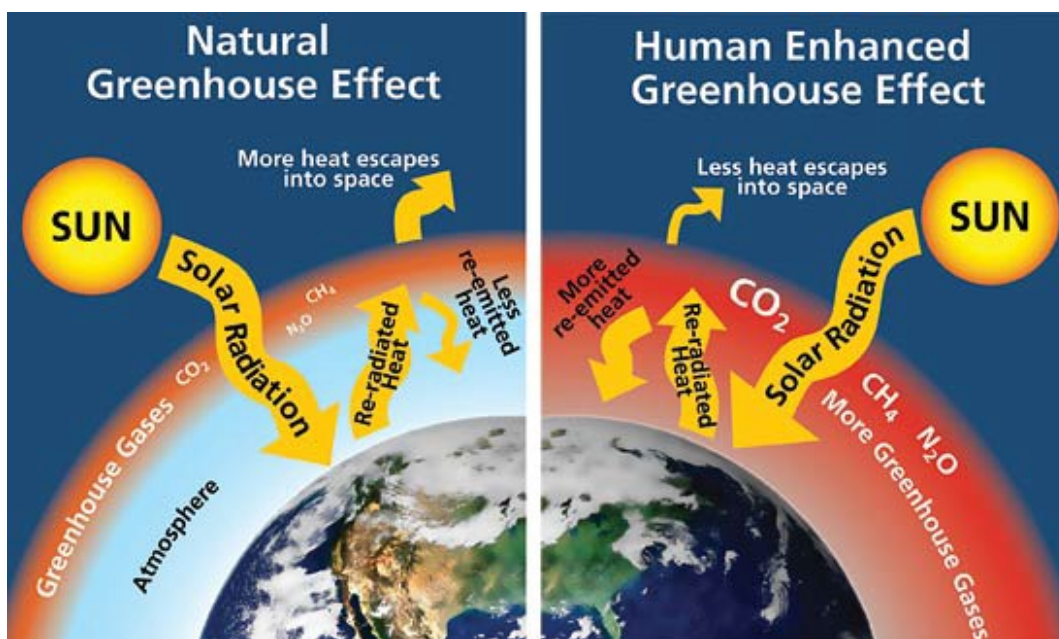
Ours is not a caravan of despair. --Rumi

The IPCC delivered its report in early October. It was written by 91 scientists from 40 countries. 195 countries at the Paris Climate Agreement in 2015 agreed to a goal of limiting increase in global warming to 2 degrees Celsius (3.6 degrees F). Because of growing evidence this report concludes that a lower threshold of 1.5 degrees C (2.7 degrees F) is essential to avert major crises around the world.

"Climate change is occurring earlier and more rapidly than expected. Even at the current level of 1C (1.8F) warming, it is painful. This report is really important. It has a scientific robustness that shows 1.5C is not just a political concession. There is a growing recognition that 2C is dangerous," says Johan Rockstrom in this clear and useful article, [U.N. warns that we have 12 years to limit climate change catastrophe](#).

Climate Change is a security Issue

If we broaden our idea of "national security" from military threat to include water and food shortages, power outages, infrastructure and property damage, humanitarian crises, refugee migration, limited transportation, we get a sobering picture of what security means. [Military experts say climate change poses 'significant risk' to security](#). The IPCC report concludes that we need the same World War II-level effort to transition from fossil fuels and reduce carbon emissions. And yes, rationing of consumption and production are part of that scenario.



There's one key takeaway from the IPCC report: Cut carbon pollution as much as possible, as fast as possible. The faster we cut emissions the less severe the impact we'll face. [Read this very accessible article](#), and link to this well-done [interactive site](#) that explains what happens when temperatures rise above 1.5C in terms of crops, rainfall, ice, oceans, temperatures, nature and the economy. We are now 1C (1.8 F) above preindustrial levels. We have the technology and the know-how; do we have the political will?

Every single person on this earth has the power to change the world.

*Emma Thompson
Actress and Activist*

When the people lead, the leaders follow.

Gandhi

~ ~ ~

FOR THE LOVE OF EARTH



Print by Mayumi Oda

[Why I have hope in the Face of Human Extinction](#)

David Korten

When I ask an audience, "Who believes we are on a path to human extinction?" nearly every hand goes up. It's a sign of a growing awareness that humanity is on a path to self-imposed environmental and social collapse. For me, that awareness is a source of hope.

[Climate Change or System Change?](#)

by Local Futures

It Makes Good Economic Sense to Draw Down CO2

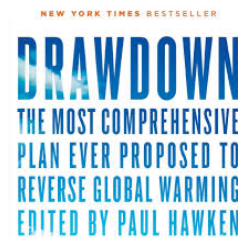
[Hitting toughest climate target will save world \\$30tn in damages: a new study shows that almost all nations would benefit economically from keeping global warming to 1.5C.](#)

"According to a major report from international experts fighting climate change could generate more than 65 million new low-carbon jobs, avoid more than 700,000 premature deaths from air pollution and add \$26 trillion to the global economy all by 2030." Here's the article [World economy can reap \\$26tn in a decade by fighting climate change.](#)

WE KNOW WHAT TO DO!

Here are articles, guides, videos and ideas to help us play our unique part in reversing global warming

At drawdown.org you will find 100 solutions that we already employ to address climate disruption. Project Drawdown is the work of over 70 professionals, researchers and scientists from 22 countries. The website an online version of the book and incredibly accessible. This [video presentation](#) of the project by Paul Hawken is well worth the hour. Hawken has a refreshing holistic approach to the issue of climate change. He addresses the science, our fears, our possibilities. In all realms of human activity--energy, food, women and girls, buildings, land use, transport, materials, etc--*Drawdown* meticulously examines the things that are being done now and what can be done to draw down CO2 emissions and reverse global warming. Whatever piques your interest, it's all there. He puts the challenge before us: "Game on or game over."



Edited by Paul Hawken

If we consider that global warming is happening for us instead of to us--that is, an atmospheric transformation that inspires us to change and reimagine everything we make and do--we begin to live in a different world. We take 100% responsibility and stop blaming others. We see global warming not as an inevitability but as an invitation to build, innovate, and effect change, a pathway that awakens creativity, compassion, and genius. This is not a liberal agenda, nor is it a conservative one. This is the human agenda. Paul Hawken

More Effective Strategies

[This article contains practical personal ideas and guidance](#) as well as

[For the Love of Earth](#)

David Korten

~ ~ ~

UPLIFTING STORIES & INNOVATIONS



The Netherlands Proposes The World's Toughest Climate Laws

A coalition of seven Dutch political parties recently unveiled a climate policy proposal that is breathtaking in ambition. It puts climate at the center of national politics

~ ~ ~

FAVORITE RESOURCES

350.org

[Climate Reality Project](#)

[The Small Planet Institute](#)

[Local Futures](#)

[Network of Spiritual Progressives](#)

[Project Heaven on Earth](#)

[Yes! magazine](#)

[The Optimist Daily](#)

[The Shift Network,](#)

information that adds to our understanding of how our choices affect climate change.

To give us a bigger picture of how we look at options for action read this article from YES!, [3 Things You can Do To Help Avoid Climate Disaster](#). One is to hold corporations accountable. This leads to taking a look at a list of the [100 companies who are responsible for 71% of greenhouse gas emissions](#).



[How to Get Carbon-Free in 10 Years](#): These are ideas suited for individuals and families. Some ideas are more practical for some of us than others.

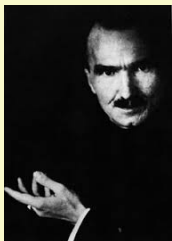
A crucial element in effective climate change action is our diet. [Read this for more.](#)

Beyond the personal

To all the above ideas and actions we must do personally we need to lobby for policy changes on a local, state and national level. One thing this means is pressuring legislators to end subsidies for high carbon-producing industries like beef, fossil fuels and agriculture. while working for clean energy, clean water, clean air and healthy soil.

We can address climate change in many ways and from many angles as this article discusses. The author says, *Fighting climate change is about much more than emissions and scientific metrics - it's about fighting for a just and sustainable world that works for all of us.* [Read here.](#)

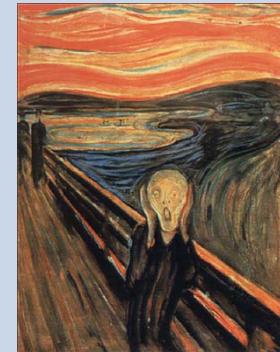
WISDOM FOR OUR TIMES



*In order to succeed
we must first believe we can.*
Nikos Kazantzakis



*Although the world is full of suffering,
it is also full of the overcoming of it.*
Helen Keller



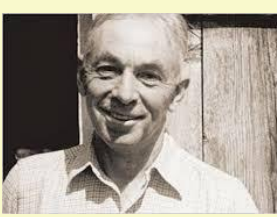
The Scream
Edvard Munch 1883

Game over or game on?

Most of us know the serious circumstances we're in as far as Earth's health is concerned. It's natural and easy to fall into depressions and despair. But as many say, fear produces numbness, passivity, and it turns people off. Paul Hawken says, "If we tell ourselves that we're screwed, it destroys our imagination, our creativity and innovations for solutions. We're screwed if we believe there's nothing we can do."

My Column

is about reckoning with our reality and seeing the possibilities.



I often wake up unsure whether to save the world or savor it.

E.B. White



Change is never easy, and it often creates discord, but when people come together for the good of humanity and the Earth, we can accomplish great things.

David Suzuki



What is on either side of this line drawn for us by the IPCC, the Intergovernmental Panel for Climate Change. We can make the right choice for future generations, or not. It's up to us. The good news is that there are SOLUTIONS to reverse global warming. [Read more.](#)



I dedicate this newsletter issue to all those who have lost their lives in California fires, and to those who, like my friend Gerry, have lost everything else. We wish them courage and strength as they rebuild their lives.

May your holidays be heartfelt, peaceful and blessed with love and joy.

Virginia / Gibi



Reversing global warming

PASS IT ON

If this newsletter has contributed to your life in some way, please send it along.