

Live Webinar

**#LOCKDOWNS:
The Door Opener
for the Fourth
Industrial
Revolution and
15 MINUTE CITIES**

**Wednesday,
February 15th, 2023**

7:00 pm – 9:00 pm

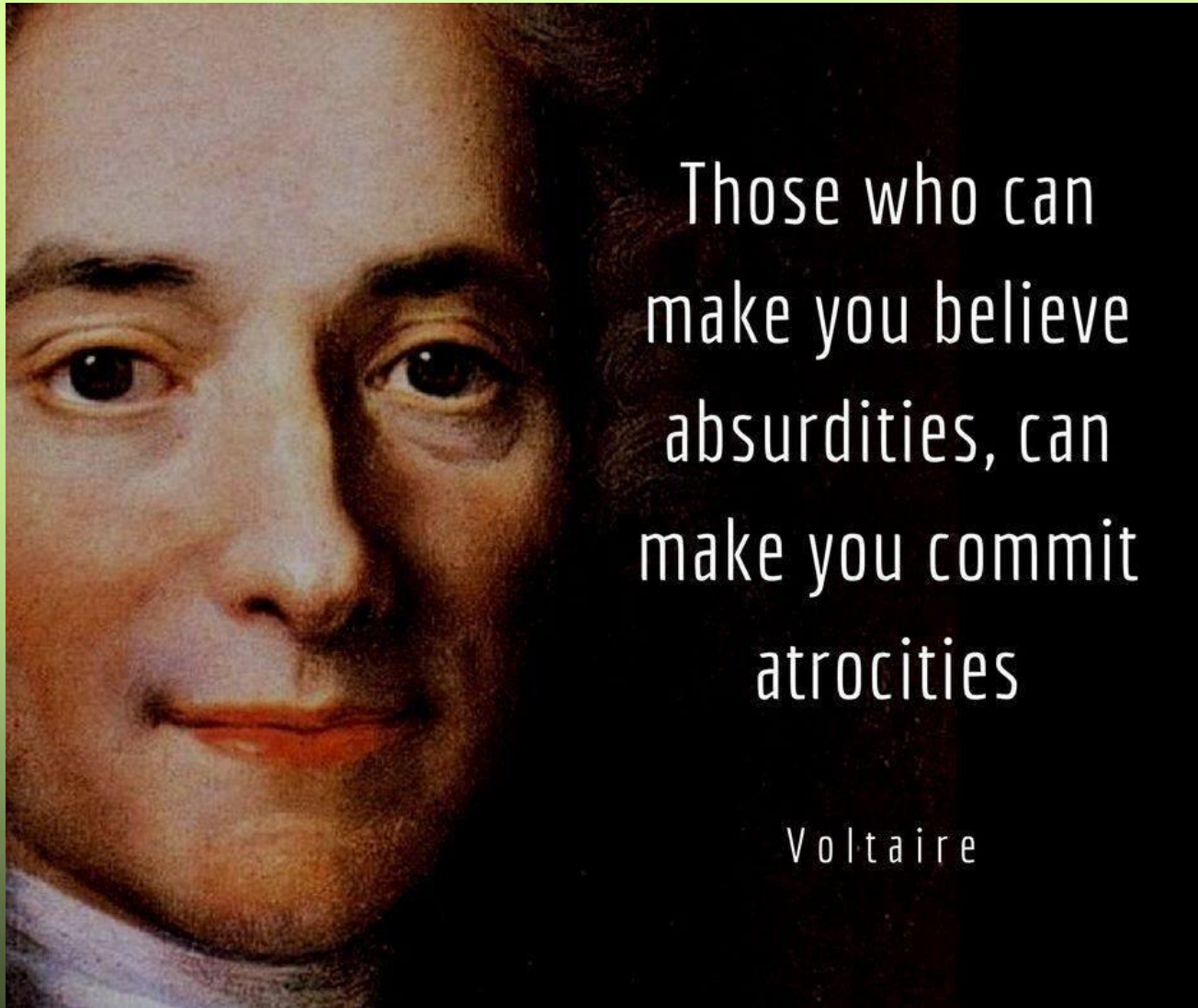
www.AlbertaProsperityProject.com

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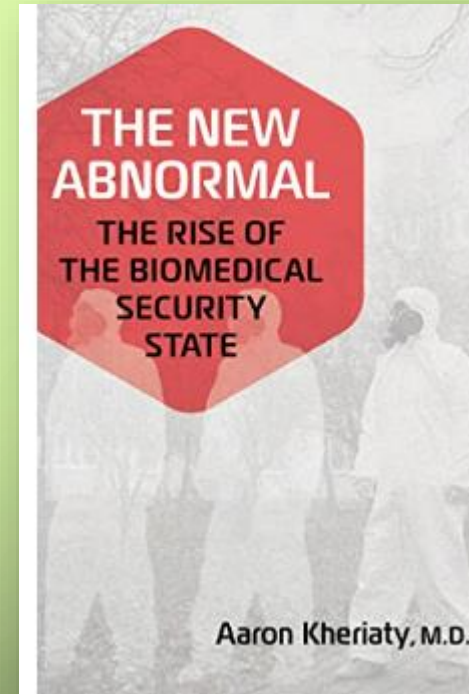
with Special Guest
Michelle Stirling
Friends of Science





Those who can
make you believe
absurdities, can
make you commit
atrocities

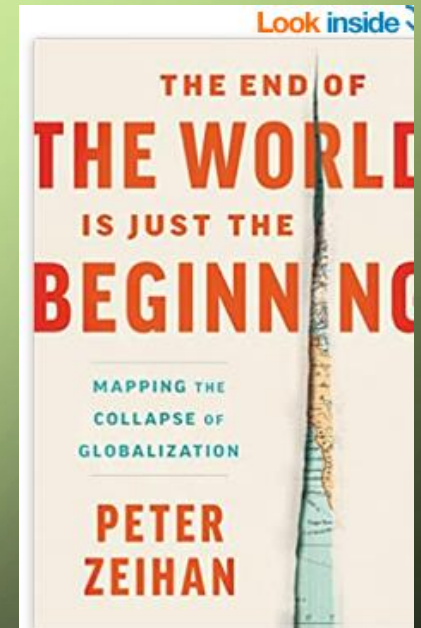
Voltaire



<https://www.amazon.ca/New-Abnormal-Biomedical-Security-State-ebook/dp/B09ZJXPYSG>

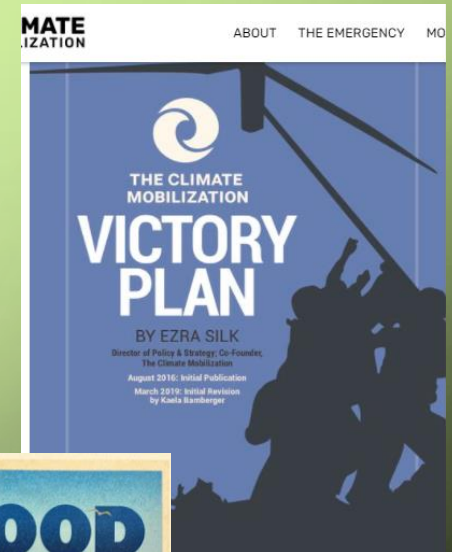
OVERVIEW – A CONFLUENCE OF BIG EVENTS

- **Convergence of unspoken crises –**
- Global Economic Collapse;
- Mass Boomer retirement + health costs;
- Collapsing demographics/loss of workforce and certain critical skills;
- Loss of community volunteer forces;
- OECD unfunded pension liabilities + IMF report that good health care = more liabilities;
- Global shift to a multi-polar world;
- Likely loss of US dollar as reserve currency leading to CBDC digital currency;
- Significant supply chain disruptions. Global famines.



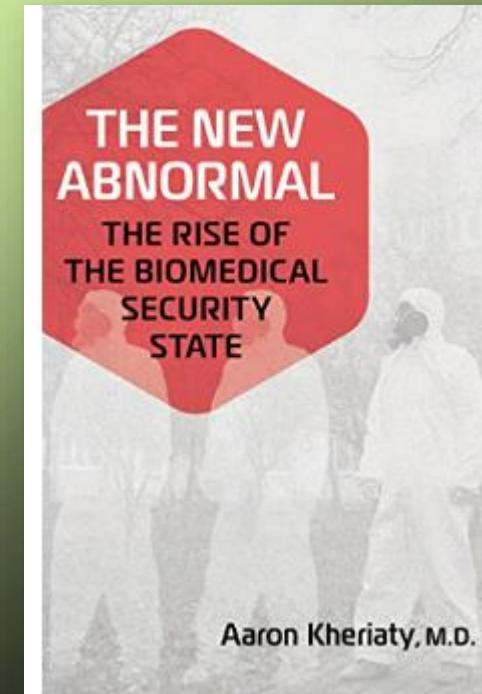
OVERVIEW – CLIMATE CHANGE A HANDY RATIONALE

- **15-minute cities** - Climate Change is the rationale – In fact, the alleged “Climate Emergency” is based on outdated science and misuse of a scenario called RCP8.5.
- **Urban planners hate cars, parking for cars, roads and your messy freedoms.**
- **“Wartime” command economies and rationing are the dream of climate activists.**



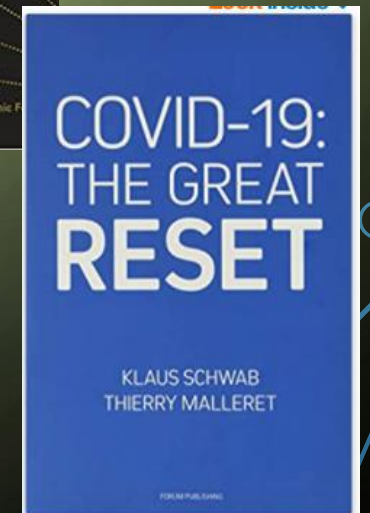
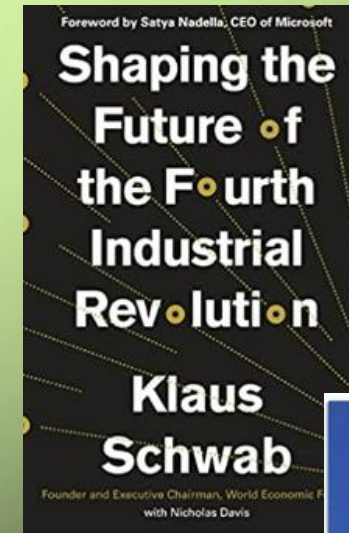
OVERVIEW – THE RISE OF THE BIOMEDICAL SECURITY STATE

- **COVID and lockdowns tested and conditioned us.**
- Climate change theory failed the test.
- But lockdowns and mandates ‘successfully’ conditioned the public for 15-minute living and limitations.
- Lockdowns collapsed many ailing systems, creating a need for a tech solution. Lockdowns indebted many nations.
- Surveillance “Big Data” was gathered without normal privacy considerations and use of biomedical authority created a ‘new abnormal’



OVERVIEW – FOURTH INDUSTRIAL REVOLUTION

- **Fourth Industrial Revolution** – Big Tech has the digital ‘solutions’ just waiting for you; we (the people) were just never consulted about them. Almost all of them are driven by the unsubstantiated ‘need’ to reduce GHG emissions to stop the alleged Climate Emergency.
- Thus, while some are helpful ideas, many are simply part of the sophisticated marketing scheme inherent in climate ideology (i.e., flying cars and drones). **Further, implementing most of them will lead to a biomedical security state.**





Consider the example of Bill McKibben, who in 1989 published *The End of Nature*, recognized as the first popular book about climate change. In this book and in many subsequent works, he warned that humans had become the “most powerful source for change on the planet,” a potentially catastrophic achievement that marked an end to our traditional understanding of nature. Climate change, unlike other environmental problems, was not conventionally solvable; our best hope was to avert the most devastating impacts, McKibben wrote. Yet he was deeply skeptical of technological approaches to the problem such as genetic engineering or nuclear energy (Nisbet 2013).



The only possible path to survival, he argued, was through a fundamental reconsideration of our world views, aspirations and life goals and the creation of a new consciousness that would dramatically reorganize society, ending our addiction to fossil fuels, economic growth and consumerism. In this pastoral future free of

consumerism or material ambition, Americans would rarely travel, experiencing the world instead via the Internet, grow much of their own food, power their communities through solar and wind, and divert their wealth to developing countries. Only under these transformational conditions, argued McKibben, would we be able to set a moral example for countries like China to change course, all in the hope that these countries will accept a “grand bargain” towards a cleaner energy path (Nisbet 2013).

Other climate advocates offered a different outlook and set of prescriptions intended to address climate change.

Matthew Nisbet “Climate Shift”



HAVE WE ALREADY HAD CLIMATE LOCKDOWNS?

LET'S SEE.

2015



Yvo de Boer

former Executive Secretary
of the United Nations
Framework Convention on
Climate Change (UNFCCC)



"The only way that a 2015 agreement can achieve a 2-degree goal is to shut down the whole global economy."

WORLD ECONOMIC FORUM GAINS SWISS “HOST STATE STATUS” DEC. 11, 2015

MODIFICATION
selon décision du
11 DEC. 2015

RC GE FOND 03924/1994
CHE - 107.856.445
1067 18.01.2016 002
756 660 000000592856 00000-8



DEP. FEDERAL DE L'INTERIEUR
Autorité fédérale de surveillance des fondations

Helena Antonio
Responsable

STATUTS DE LA FONDATION

FOUNDATION STATUTES

**Le FORUM MONDIAL DE
L'ECONOMIE**

The WORLD ECONOMIC FORUM



Paris Agreement was signed **Dec. 12, 2015**

<https://unfccc.int/process-and-meetings/the-paris-agreement#:~:text=The%20Paris%20Agreement%20is%20a,compared%20to%20pre%2Dindustrial%20levels.>

“DEADLINE 2020”REPORT FOR CITIES ISSUED IN 2016

- Deadline 2020: How cities will get the job done provides an analysis of the contribution that the 84 global C40 Cities Climate Leadership Group (C40) cities need to make to convert the agreement from aspiration into reality.

C40 cities need to reduce emissions from an annual average of above 5 tCO₂e per citizen today to around 2.9 tCO₂e per citizen by 2030. We are short on time. The next four years are critical if we want to halt the growth of emissions. Cities need to be bold and make decisions now, but they cannot do it alone.

- <https://www.arup.com/perspectives/publications/research/section/deadline-2020-how-cities-will-get-the-job-done>



5.1 tCO₂/PERSON TODAY,
2.9 tCO₂/PERSON BY 2030



C40 BY 2050
0 tCO₂e/
YEAR
PER PERSON

HEADLINE FINDING 2

To remain within a 1.5 degree temperature rise, average per capita emissions across C40 cities would need to drop from over 5 tCO₂e per capita today to around 2.9 tCO₂e per capita by 2030.

Doing so would keep cities on a trajectory consistent with either 1.5 or 2 degrees of warming, it is only after 2030 that these trajectories diverge.

Climate World View of Urban Planners

~80% of the world's population lives in cities. C40 cities are 1100 cities w ~700 million population.

Most cities are designed around cars and mobility

Cars require roads, constant maintenance and parking

Cars and transportation emit large amounts of GHGs, as does consumption of goods by citizens.

Short car trips are especially detested.

Thus – to lower emissions, cities must limit car transportation and personal consumption.

Lockdowns did both.

5.1 TCO₂/PERSON TODAY,
2.9 TCO₂/PERSON BY 2030



C40 BY 2050
0 TCO₂e/
YEAR
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<https://www.arup.com/perspectives/publications/research/section/deadline-2020-how-cities-will-get-the-job-done>

← Tweet



Darshan Maharaja
@TheophanesRex

Replying to @FriendsOfScience

Per capita emissions of CO₂ in Canada was 16.58 tons in (IIRC) 2016.

Current population: 37 million.

Adding another 63 million people would increase our CO₂ emissions by 1.05 Billion tons YEARLY.

I am not even going near the supply of housing & services.

12:46 PM - Apr 1, 2021 - Twitter for iPhone

6 Retweets 1 Quote Tweet 10 Likes



Sept. 2019

EXPONENTIAL ROADMAP

SCALING 36 SOLUTIONS TO
HALVE EMISSIONS BY 2030

2030

VERSION 1.5, 2019.

https://exponentialroadmap.org/wp-content/uploads/2019/09/ExponentialRoadmap_1.5_20190919_Single-Pages.pdf

Nov. 2019

Sept. 2019

Home > Economy & Politics > Project Syndicate

Project Syndicate

Opinion: We need to act boldly now if we are to avoid economy-wide lockdowns to halt climate change

Published: Sept. 23, 2020 at 12:40 p.m. ET

By MARIANA MAZZUCATO

We are approaching a tipping point on climate change, when protecting the future of civilization will require dramatic interventions



Referenced Symbols

DND: +1.44% AF: +1.42%

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26 NOV 2019 | PRESS RELEASE | CLIMATE ACTION

Cut global emissions by 7.6 percent every year for next decade to meet 1.5°C Paris target - UN report

Unsplash / Karsten Würth (@karsten.wuerth) / 26 Nov 2019

LOCKDOWNS


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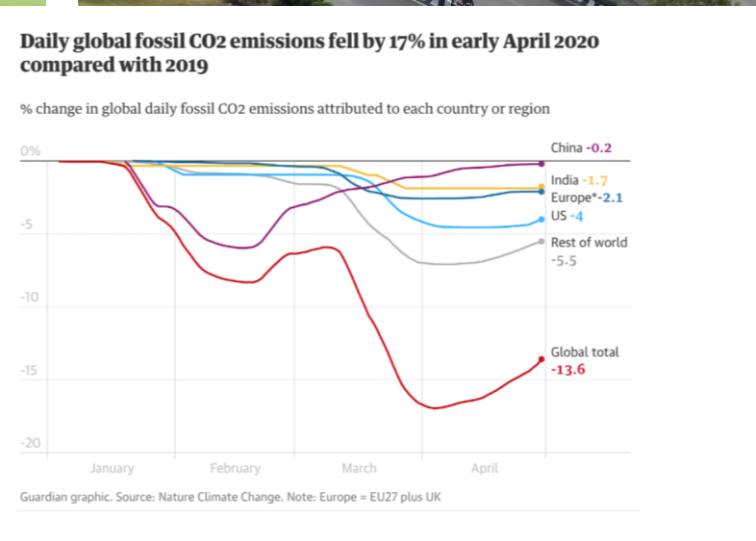
WORLD ECONOMIC FORUM MY FORUM Join

Global Agenda SDI2020 How to Save the Planet Climate Change

Emissions fell during lockdown. Let's keep it that way



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<https://www.weforum.org/agenda/2020/09/emissions-fell-during-lockdown-keep-that-way/>

World Meteorological Organization @WMO

#COVID19 has had no measurable impact on CO2 concentrations in the atmosphere (cumulative past and current emissions), per WMO Greenhouse Gas Bulletin. But the lockdown provides a platform to grow back better and take #ClimateAction 🌍

bit.ly/39bdvbk



0:28 66.2K views

4:29 AM · Nov 23, 2020 · TweetDeck

200 Retweets 86 Quote Tweets 257 Likes

Lockdowns, NetZero and ESG Policies Won't Stop Climate Change – Will Destroy Lives says Friends of Science

JP Morgan's energy analysis exposes "The Elephants in the Room" on NetZero and ESG, challenging the breezy transition assumptions of people like Mark Carney says Friends of Science Society. The Stockholm+50 "Exponential Roadmap" hype and the UNEP push for climate lockdowns every year for a decade would be ineffective as the carbon dioxide (CO2) concentration change in the atmosphere due to the COVID lockdown was far smaller than the random natural fluctuations.

CALGARY, ALBERTA (PRWEB) JUNE 08, 2022

JP Morgan's 2022 Annual Energy Paper issued in May, subtitled "The Elephants in the Room" brings some gripping and grim reality to the Utopian goals of NetZero, ESG and climate lockdown advocates, says Friends of Science Society. "The Elephants in the Room" challenges many of the breezy assumptions of climate activists and financiers like Mark Carney and GFANZ collection*, whose recent DAVOS appearance suggests that just throwing money at climate and energy issues will result in magical results, when this is nothing more than **Magical Thinking**, as Robert Lyman has reported. (*GFANZ – Glasgow Financial Alliance for Net Zero)

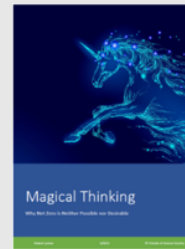
In the Davos World Economic Forum of May 29, 2022, Carney claimed "We need an energy transformation on the scale of the industrial revolution at the speed of the digital transformation and therefore we need a revolution in finance."

Numerous independent energy analysts such as Vaclav Smil, Samuel Furfari, Ken Gregory, and Francis Menton have shown that such thinking is simply delusional.

The recent Stockholm+50 has been pushing the "Exponential Roadmap", issued September 2019. Subsequently, economist Marianna Mazzucato called for action now to avoid climate lockdowns, while the UNEP called for emissions cuts of 7.6% every year for the next decade. In the spring of 2021 World Economic Forum (WEF) cheered on COVID lockdowns as "improving cities" and was taken to task for its cruel tone-deafness by **The Spectator** (Australia).

The notion persists that there were dramatic reductions of carbon dioxide concentration in the atmosphere during COVID lockdowns, but this is inaccurate, as detailed in Friends of Science **Open Letter to the Bank of Canada** and in Dr. Roy Spencer's analysis.

An excerpt from the Open Letter reads: "The fact is the drop in emissions during COVID lockdowns is not enough to significantly affect the increase of Carbon Dioxide (CO2) in the atmosphere. One must compare the change of emissions to the annual change of CO2 concentrations, not to the cumulative CO2. This graph from Dr. Roy Spencer's



People think just throwing money at climate and energy issues will result in magical results, when this is nothing more than Magical Thinking, as Robert Lyman has reported

The fact is the drop in emissions during COVID lockdowns is not enough to significantly affect the increase of Carbon Dioxide (CO2) in the atmosphere...which is far smaller than the random natural fluctuations.

https://www.prweb.com/releases/lockdowns_netzero_and_esg_policies_wont_stop_climate_change_will_destroy_lives_says_friends_of_science/prweb18725139.htm





People think just throwing money at climate and energy issues will result in magical results, when this is nothing more than Magical Thinking, as Robert Lyman has reported


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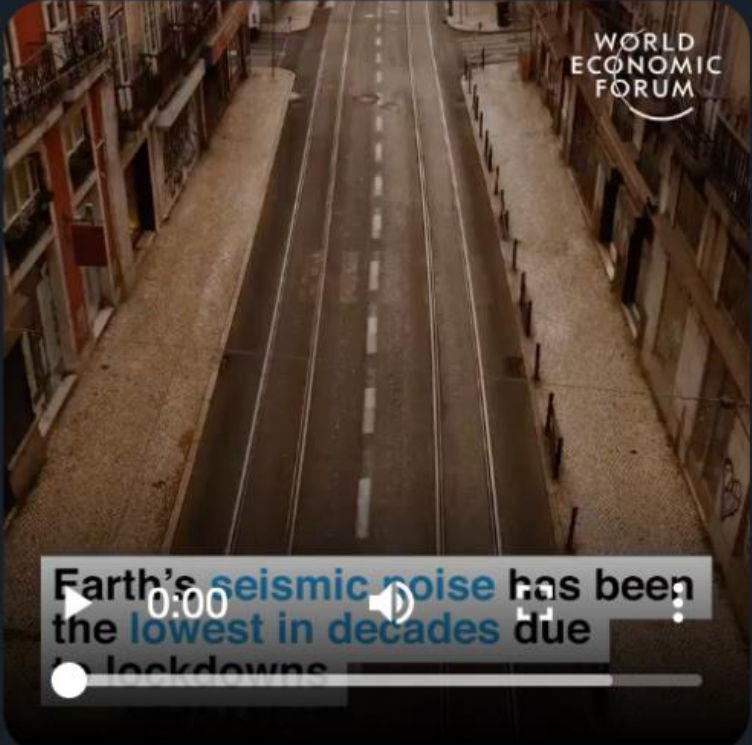


THE ONLY
ORGANIZATION
THAT CELEBRATED
LOCKDOWNS WAS
THE WORLD
ECONOMIC FORUM

 World Economic Forum 
@wef

Lockdowns are quietly improving cities around the world.

 Read more: buff.ly/3sy2neW



WORLD ECONOMIC FORUM


Earth's seismic noise has been the lowest in decades due to lockdowns

0:00

CANADA

Canada's national police force admits use of spyware to hack phones

The RCMP says it needs to use malware because encryption has made surveillance "exponentially more difficult."



Canada's public health agency admits it tracked 33 million mobile devices during lockdown

The Public Health Agency of Canada accessed data such as cell-tower location to monitor people's activity during lockdown, it said



Swikar Oli
Published Dec 24, 2021 • Last Updated Dec 27, 2021 • 3 minute read


CANADA | News

Canadians' trips to liquor stores, pharmacies tracked via phones during pandemic

Published May 5, 2022 3:44 p.m. ET
Updated May 5, 2022 9:10 p.m. ET


By The Canadian Press Staff

Share this story:  



Health agency tracked Canadians' trips to liquor store via phones during pandemic

The report reveals PHAC was able to view a detailed snapshot of people's behaviour, including grocery store visits, gatherings with family and friends, time spent at home and trips

 The Canadian Press
Marie Woolf

HHS Public Access
Author manuscript
N Engl J Med. Author manuscript; available in PMC 2018 September 18.

Published in final edited form as:
N Engl J Med. 2018 January 18; 378(3): 214-216. doi:10.1056/NEJMp1712984.

Nudge Units to Improve the Delivery of Health Care


Mitesh S. Patel, M.D., M.B.A., Kevin G. Volpp, M.D., Ph.D., and David A. Asch, M.D., M.B.A.
Penn Medicine Nudge Unit, the LDI Center for Health Incentives and Behavioral Economics, the Penn Medicine Center for Health Care Innovation, the Perelman School of Medicine, the Wharton School, University of Pennsylvania, and the Crescenz Veterans Affairs Medical Center — all in Philadelphia.

The final common pathway for the application of nearly every advance in medicine is human behavior. No matter how effective a drug, how protective a vaccine, or how targeted a therapy may be, a clinician usually has to prescribe it, and a patient accept and use it as directed, for it to improve health. Clinicians' and patients' environments influence their decisions about taking these actions, and the seemingly subtle design of information and choices can have outsized effects on our behavior. When the "choice architecture" is designed to influence behavior in a predictable way but without restricting choice, it is often called a "nudge."

Key information and important choices are constantly being presented in health care.¹ Consider the way in which a physician offers influenza vaccination, or the default settings in electronic health records (EHRs) for the duration of a new opioid prescription. Yet often, these frames or default options are selected haphazardly, without attention to shared goals of overcoming common barriers to vaccination or balancing pain relief against addiction risk.

Or consider the conventional deployment of order-entry systems in EHRs. Their presentation of choices is often based on conventions or design intuitions, such as listing options alphabetically or by the service providing them. Little attention is paid to the potential effect of presenting choices strategically, and typically the relative effectiveness of alternative presentations hasn't been tested. Do we really want to list drugs for a given indication from A to Z, inadvertently guiding prescribers to choose a product that starts with a letter earlier in the alphabet when later options might be more effective, less expensive, or both?

Other industries that went digital long ago have developed expertise in presenting choices in ways that strongly influence consumer behavior. For example, airlines require consumers to


Department for
Business, Energy
& Industrial Strategy

Net Zero: principles for successful behaviour change initiatives

Key principles from past government-led behaviour change and public engagement initiatives

BEIS Research Paper Number 2021/063

YOU WERE UNDER PURPOSEFUL SURVEILLANCE

SIDEWALK LABS “SMART CITY” WAS ABANDONED MAY 2020

Search International ed
The Guardian
News website of the year

cas Asia Australia Middle East Africa Inequality Global development

• This article is more than 2 years old

Google affiliate Sidewalk Labs abruptly abandons Toronto smart city project

Sidewalk Labs' CEO said unpredictabilities stemming from pandemic meant project was no longer feasible



📷 A rendering of the Quayside development in Toronto from February 2019. Photograph: Image Courtesy of Heatherwick Studio

Google's affiliate Sidewalk Labs has abruptly abandoned its vision to

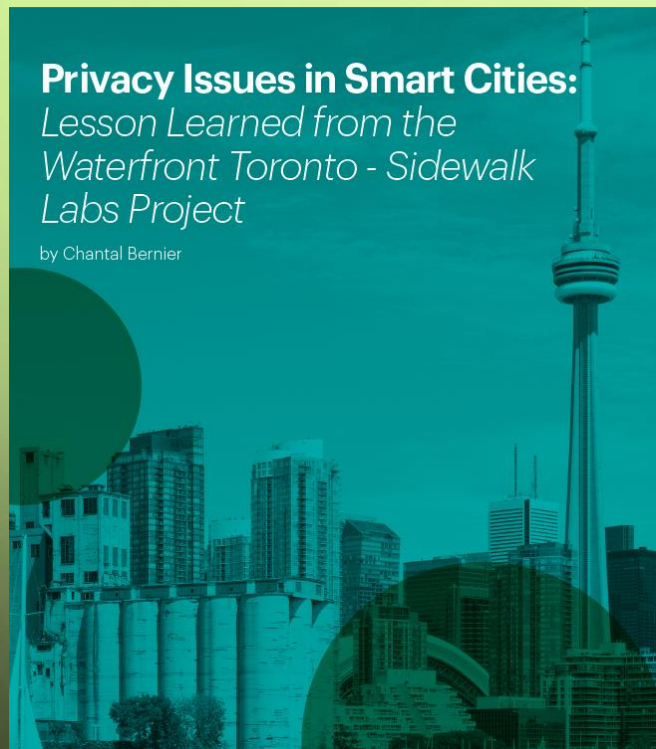
SIDEWAYS

THE CITY GOOGLE COULDN'T BUY

JOSH O'KANE

<https://www.amazon.ca/Sideways-City-Google-Couldnt-Buy/dp/1039000789>

SIDEWALK'S SMART CITY PRIVACY ISSUES



Risk #1: Surveillance both from the State and surveillance capitalism.

Risk #2: Collection without valid consent.

Risk #3: Excessive collection of personal data.

Risk #4: Data breach.

Risk #5: Data Monetization.

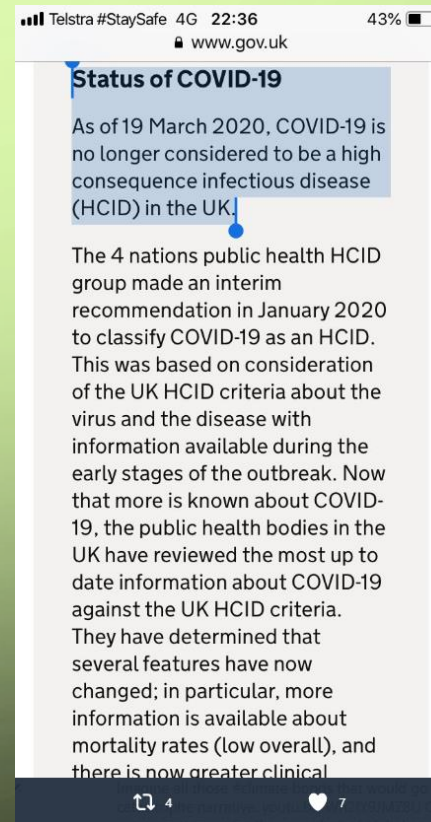
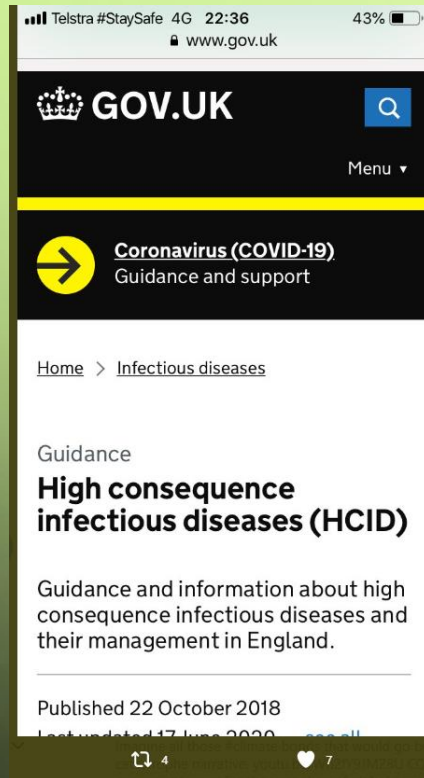
**Risk #6: Lack of anonymity for differently
abled persons**

Risk #7: Loss of data sovereignty

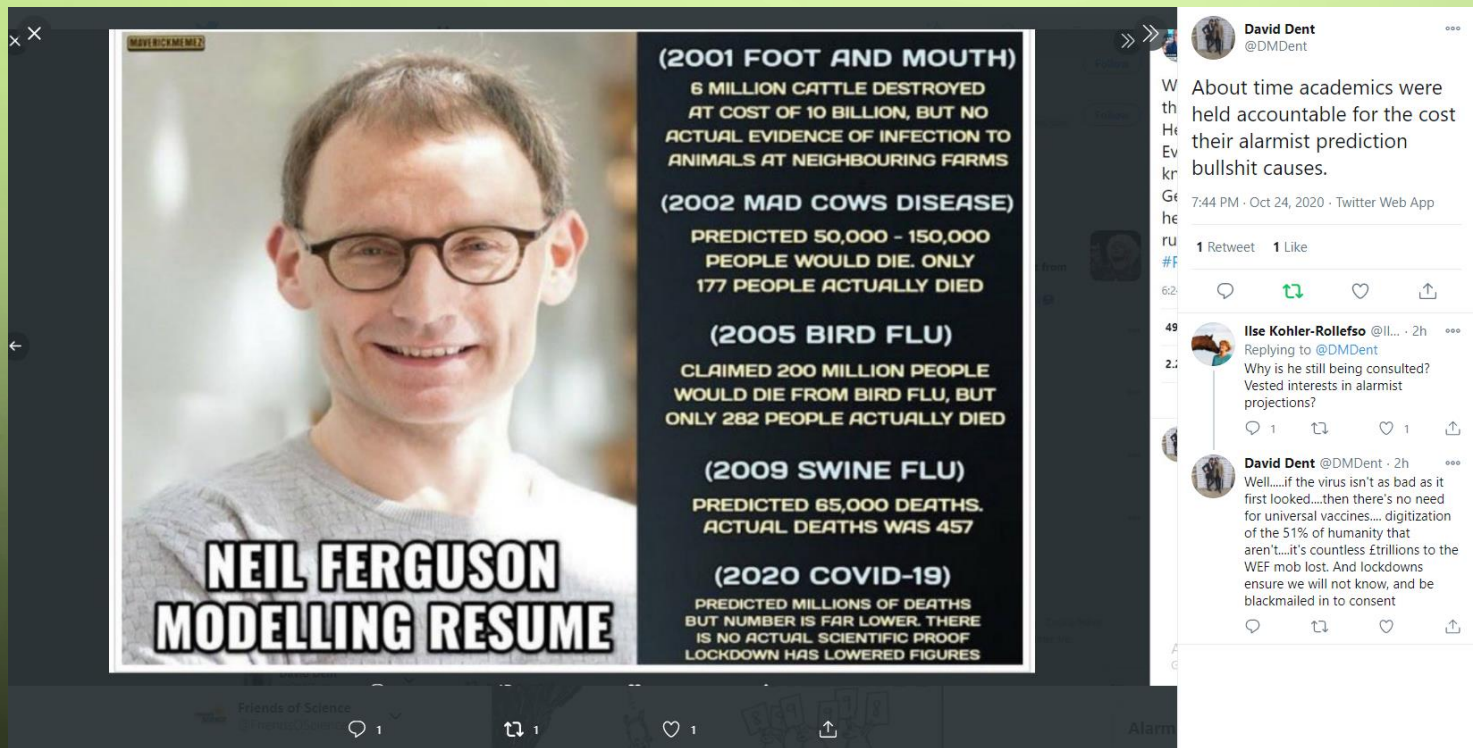


There is no social license
without addressing
privacy risks.

IMPORTANT TO NOTE: AS OF MARCH 19, 2020 – COVID NOT CONSIDERED A HIGH CONSEQUENCE INFECTIOUS DISEASE IN THE UK



PROF. "LOCKDOWN" AND HIS SCARY COVID MODELING OPENED THE DOOR TO THE BIOMEDICAL SURVEILLANCE SOCIETY EMERGENCY HEALTH EDICTS SUSPENDED NORMAL CIVIL, PRIVACY AND CHARTER RIGHTS



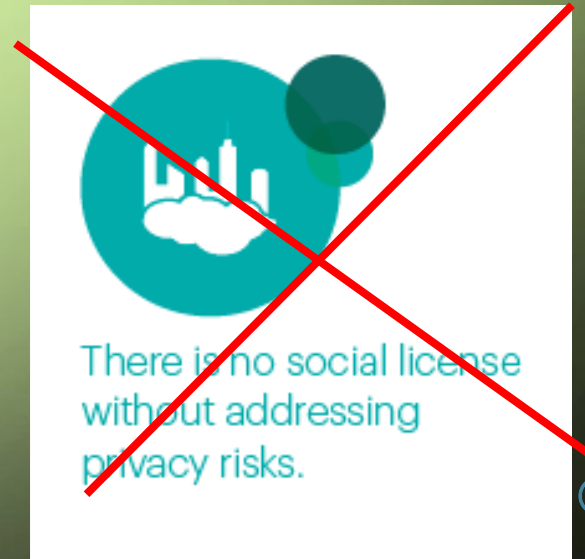
**NEIL FERGUSON
MODELLING RESUME**

(2001 FOOT AND MOUTH) 6 MILLION CATTLE DESTROYED AT COST OF 10 BILLION, BUT NO ACTUAL EVIDENCE OF INFECTION TO ANIMALS AT NEIGHBOURING FARMS
(2002 MAD COWS DISEASE) PREDICTED 50,000 - 150,000 PEOPLE WOULD DIE. ONLY 177 PEOPLE ACTUALLY DIED
(2005 BIRD FLU) CLAIMED 200 MILLION PEOPLE WOULD DIE FROM BIRD FLU, BUT ONLY 282 PEOPLE ACTUALLY DIED
(2009 SWINE FLU) PREDICTED 65,000 DEATHS. ACTUAL DEATHS WAS 457
(2020 COVID-19) PREDICTED MILLIONS OF DEATHS BUT NUMBER IS FAR LOWER. THERE IS NO ACTUAL SCIENTIFIC PROOF LOCKDOWN HAS LOWERED FIGURES

David Dent @DMDent
About time academics were held accountable for the cost their alarmist prediction bullshit causes.
7:44 PM · Oct 24, 2020 · Twitter Web App
1 Retweet 1 Like

Ilse Kohler-Rollefso @il... · 2h
Replying to @DMDent
Why is he still being consulted? Vested interests in alarmist projections?

David Dent @DMDent · 2h
Well....if the virus isn't as bad as it first looked....then there's no need for universal vaccines.... digitization of the 51% of humanity that aren't....it's countless trillions to the WEF mob lost. And lockdowns ensure we will not know, and be blackmailed in to consent



Métro

Des mesures d'urgence inspirées de la pandémie pour lutter contre les changements climatiques



Photo: Jan/fistockphoto.com

Métro

Pandemic-inspired emergency measures to fight climate change



Photo: Jan/fistockphoto.com



Pascal Gaxet - Metro
September 14, 2021 at 5:00 a.m. 9 minute read

Plans floated for an
Emergency Measures
Act for “Climate
Change” from Sept.
2021 (prior to
Freedom Convoy)

September 14, 2021

What can we learn from the fight against COVID-19?

The pandemic has brought about upheavals in the application of our rights and freedoms. Restrictions such as curfew, telework, border closures, travel have appeared, derogating in part from the Canadian and Quebec charters of rights, with the aim of defeating the COVID-19 threat. “The pandemic has demonstrated that we can take rapid and radical measures,” says Anne Plourde.

Emergency measures related to the fight against COVID could then apply to the fight against climate change.

<https://journalmetro.com/environnement/2686632/mesures-urgence-lutte-changements-climatiques/>

THE 1.5- OR 2-DEGREE CELSIUS DELUSION

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AN ARBITRARY TARGET

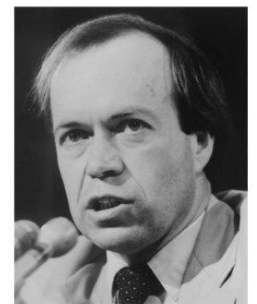
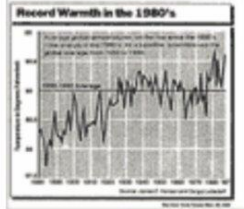
My uncle, the Yale University economist William Nordhaus, is widely credited with being the first person to propose that climate policy should strive to limit anthropogenic global warming to two degrees above preindustrial temperatures. He didn't arrive at that conclusion through any sort of elaborate climate modeling or cost-benefit analysis. Rather, he considered the very limited evidence of long-term climate variance available at that time and concluded that a two-degree increase would take global temperatures outside the range experienced by human societies for the previous several thousand years and probably much longer. The standard was, by his own admission, arbitrary.

SUBSCRIBE NOW

March 29, 1988

Temperature For World Rises Sharply In the 1980's

Global Warming Trend Accelerates in 1980's



Dr James Hansen

"30-year period 1950-1980, when the average global temperature was 59°F (15°C) as a base to determine temperature variations"

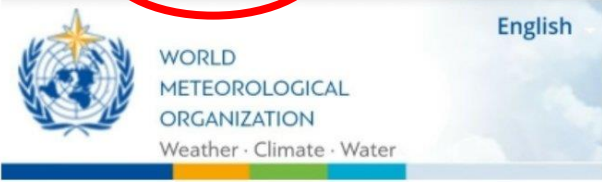


1997 averaged **16.92°C (62.45°F)**

noaa.gov/sotc/global/199713

2019 averaged **14.85°C (58.71°F)**

apnews.com/article/9ba6f553a63f93ed70aa4405b2cbcf04



"The average global temperature in 2020 was about **14.9°C (58.8°F)**"

public.wmo.int/en/media/press-release/2020-was-one-of-three-warmest-years-record

WHAT'S GOING ON?



THINGS WE TALK ABOUT – BLAH BLAH BLAH

“Our house is on fire.” 16 year-old Greta Thunberg wants action

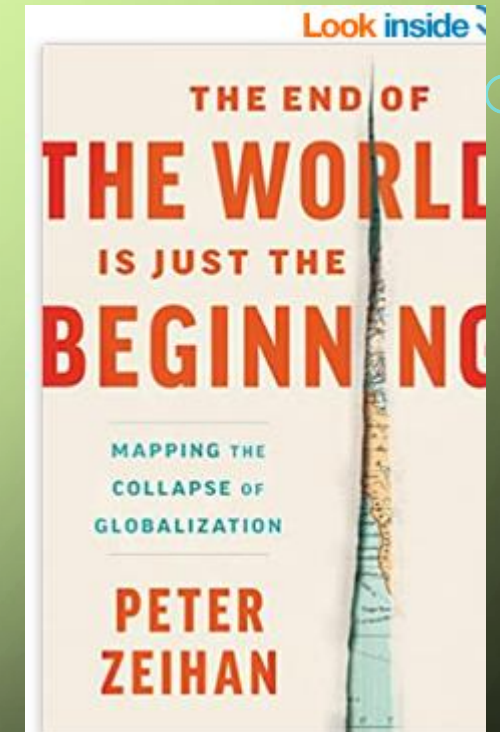


Greta Thunberg has a message for world leaders

Image: Mattias Nutt

THINGS WE DON'T TALK ABOUT

- **NetZero 2030 – Climate? Or Demography?**
- 2008 the first baby boomers reached age 62, last of them will reach full retirement age in **2031**. (China - the world's 'factory' is also facing demographic collapse; Japan likewise)
- **NetZero 2050 – Climate? Or a pension and employment crisis?**
- **USA:** The 2020 Census showed that the baby boomers (born 1946 to 1964 and now ages 58 to 76), accounted for **22% of the U.S. population**. By 2036, boomers will be 72 to 90 years old, and if the same age distribution held they would account for 10% of the population. **By 2054 they would be 90 to 108, and account for less than 2% of the population.**
- **Canada 2021** “For the first time since the end of the baby boom, baby boomers—who were born between 1946 and 1965 and were between the ages of 56 and 75 in 2021—make up less than a quarter of the Canadian population. **They [boomers] represent 24.9% of the Canadian population, compared with 41.7% in 1966, when they were under the age of 20.**”
- <https://www12.statcan.gc.ca/census-recensement/2021/as-sa/98-200-X/2021003/98-200-X2021003-eng.cfm>



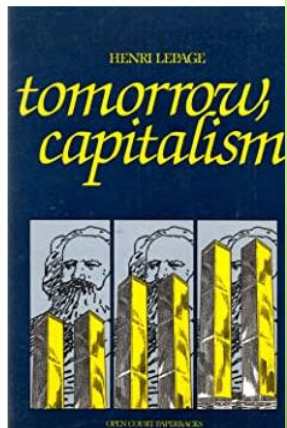


Henri LePage is a French economist.

COVID LOCKDOWNS FOR HEALTH OR A COVER FOR GLOBAL ECONOMIC COLLAPSE?

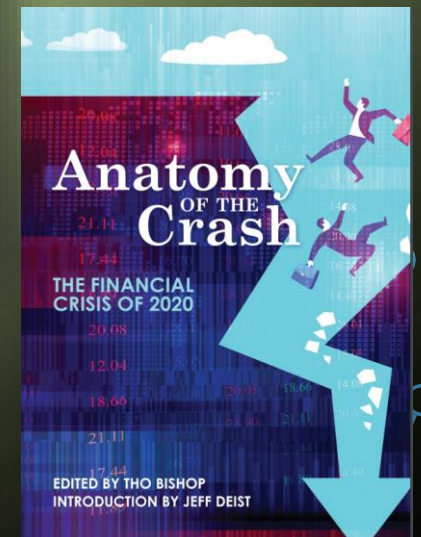
<https://inference-review.com/article/enter-the-coronavirus>

On February 20, 2020, some yet unknown financial incident tipped the economy into a crash, one similar to the crash triggered by the events of August 2007. At that time, it took more than a year for the crash to produce its full effects. Enter the coronavirus, whose disastrous economic consequences became obvious after February 20. To what extent did the pandemic accelerate the crash? We will never know. What is quite exceptional is the telescoping of the two events: on the one hand, the pandemic, and on the other, a recession generated at the level of the global wholesale money market by a growing scarcity of collateral assets.



The Great Crash of 2020 was not caused by a virus. It was precipitated by the virus, and made worse by the crazed decision of governments around the world to shut down business and travel. But it was caused by economic fragility.

<https://store.mises.org/Anatomy-of-the-Crash-The-Financial-Crisis-of-2020-P11162.aspx>



LOCKDOWNS & CELLPHONE SURVEILLANCE GAVE GOVERNMENTS UNPRECEDENTED DATA

- Shopping and travelling was restricted – what/who were ‘necessary’ or ‘unnecessary’ was quickly revealed
- Who and what kind of people/personalities complied with restrictions; who rejected or fought back.
- The biomedical ‘vaxport’ was introduced and tested in many markets and contexts.
- **Most cities instituted ‘15-minute city’ concepts** – blocking off streets for ‘active transport’ and ‘social distancing’; they tested community ‘socializing’ ideas like firepits.
- **Cities have huge pension funds and municipal bonds, which likely suffered big hits during the unspoken of economic crash.**



Firepit, City of Calgary, Thomson Family Park 1236 16 Ave SW

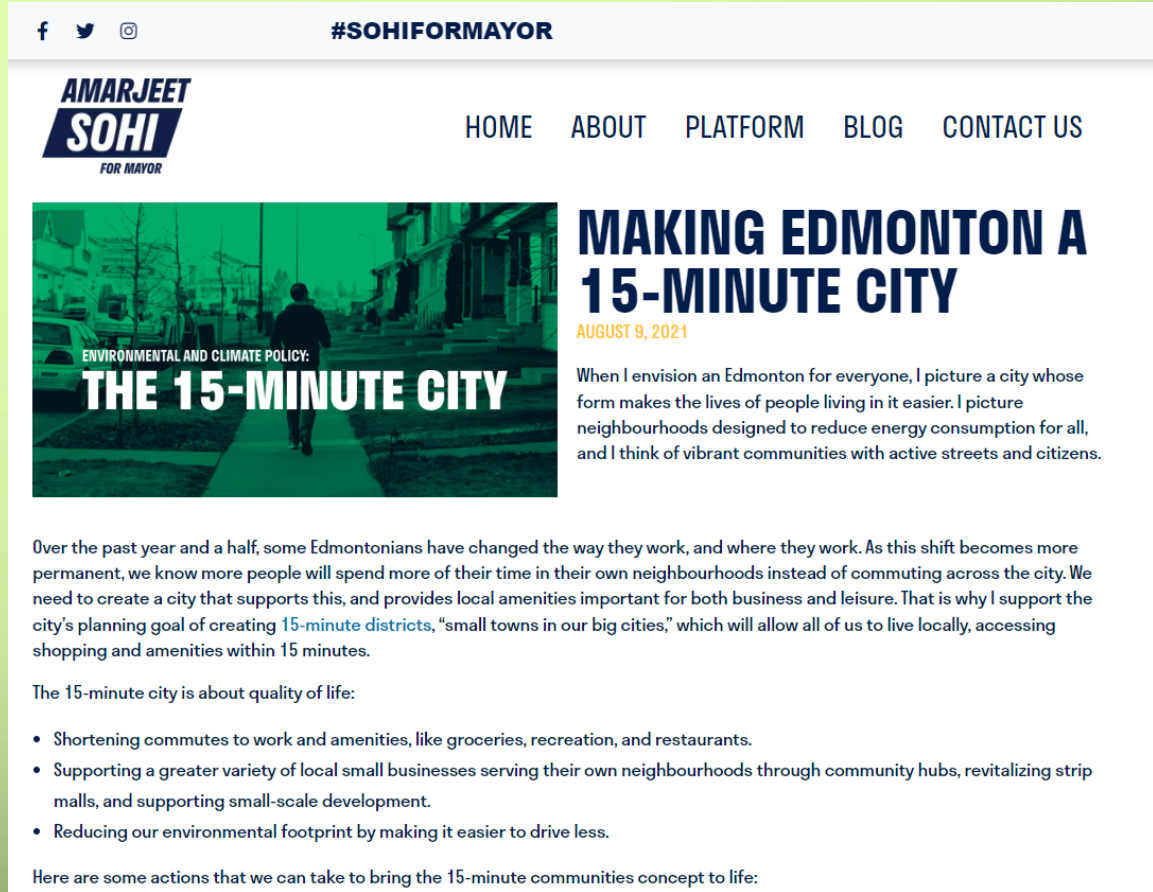


IS THERE A PRACTICAL RATIONALE FOR 15-MINUTE CITIES?

IN SOME PLACES, YES.



15 MINUTE CITY WAS AMARJEET SOHI'S ELECTION PLATFORM FOR EDMONTON



f t i #SOHIFORMAYOR

AMARJEET SOHI
FOR MAYOR

HOME ABOUT PLATFORM BLOG CONTACT US

MAKING EDMONTON A 15-MINUTE CITY

AUGUST 9, 2021

ENVIRONMENTAL AND CLIMATE POLICY:
THE 15-MINUTE CITY

When I envision an Edmonton for everyone, I picture a city whose form makes the lives of people living in it easier. I picture neighbourhoods designed to reduce energy consumption for all, and I think of vibrant communities with active streets and citizens.

Over the past year and a half, some Edmontonians have changed the way they work, and where they work. As this shift becomes more permanent, we know more people will spend more of their time in their own neighbourhoods instead of commuting across the city. We need to create a city that supports this, and provides local amenities important for both business and leisure. That is why I support the city's planning goal of creating **15-minute districts**, "small towns in our big cities," which will allow all of us to live locally, accessing shopping and amenities within 15 minutes.

The 15-minute city is about quality of life:

- Shortening commutes to work and amenities, like groceries, recreation, and restaurants.
- Supporting a greater variety of local small businesses serving their own neighbourhoods through community hubs, revitalizing strip malls, and supporting small-scale development.
- Reducing our environmental footprint by making it easier to drive less.

Here are some actions that we can take to bring the 15-minute communities concept to life:

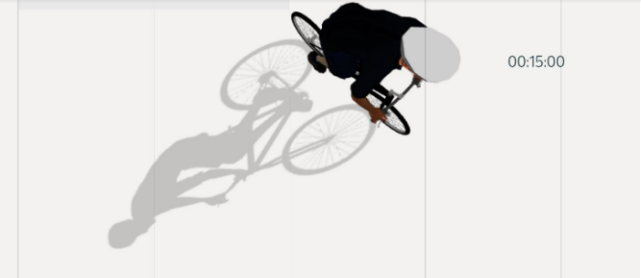
<https://sohi.ca/policy-making-edmonton-a-15-minute-city/>

SUDDENLY IT IS CALLED A CONSPIRACY THEORY

Edmonton

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00:15:00

Edmonton's "City Plan" showing concept image for 15-minute city. (Credit: City of Edmonton)

Online conspiracy theories

But the urban planning initiative has recently been getting negative attention online, with a baseless claim that this is an attempt to lock people in their neighbourhoods.

"Whoever is suggesting that must really be entertaining themselves with how many people they've gotten to bite, because it's absolute nonsense," said Cartmell.

Mayor Amarjeet Sohi expects the majority of Edmontonians "are a very smart and sophisticated people who will not believe this conspiracy theory being promoted online."

Many of those sharing the conspiracy theory online include a picture of a map showing districts in Canterbury, U.K., with captions often purporting it as Edmonton with a plan to limit movements between districts.

The [Oxfordshire County Council in the U.K.](#), needed to put out a statement on the matter after staff and councillors were subject to "abuse due to inaccurate information."

While they do have a plan to limit traffic on smaller roads between districts during rush hour, they stress there is no plan to limit people from leaving their communities.

City aims for Edmontonians to 'live more locally' with 15-minute districts

<https://edmonton.taproot.news/stories/2021/city-aims-for-edmontonians-to-live-more-locally-with-15-minute-districts>

Mayor Amarjeet Sohi expects the majority of Edmontonians "are a very smart and sophisticated people who will not believe this conspiracy theory being promoted online."

<https://edmonton.citynews.ca/2023/01/31/15-minute-city-conspiracy-theories/>



Unsent Tweets



Martyupnorth's fact-checking twin brother® 🚜 @Martyupnorth_2 · 7h

Want to experience a "15 minute city". One where everything is 1.5 km from everything. Move to any small town in Alberta, Saskatchewan or even Ontario. Sell your car, and walk everywhere. You won't last 2 weeks and you'll be crying to go back to the big city. 1/

Replying to [@Martyupnorth_2](#)

Edmonton mayor tells UN conference cities can fight climate change alone

by Bob Weber, The Canadian Press March 6, 2018

Environment Sustainability Public Sector



Don Iveson, the mayor of Alberta's capital, said that Canadian municipalities have influence over half of Canada's total greenhouse gas emissions



E
D

Edm Mayor Office
@YEGMayorOffice

Follow

Cold but invigorating! Mayor @doniveson biked to work this morning. Happy International #WinterBikeToWorkDay. #yegcc #yegwx #yegbike



9:30 AM - 9 Feb 2018 from Edmonton City Hall

46 Retweets 269 Likes



Catherine McKenna @cathmckenna · 7h

And for the Canadians, the second person I ran into at #COP27 was my good friend, @AmarjeetSohiYEG! Proud of Edmonton's leadership on climate action! 🇨🇦



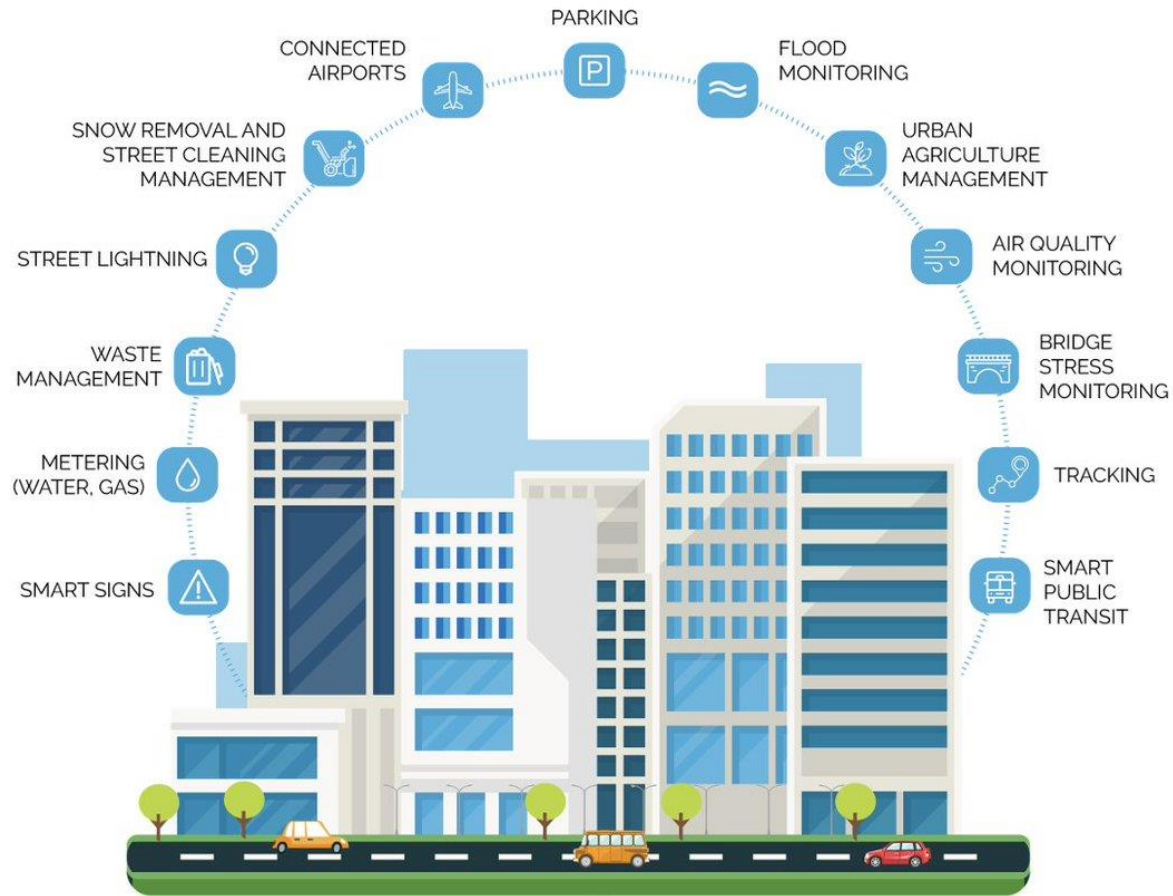
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11

116



15 MINUTE CITY HAND-IN-HAND W “SMART” CITY

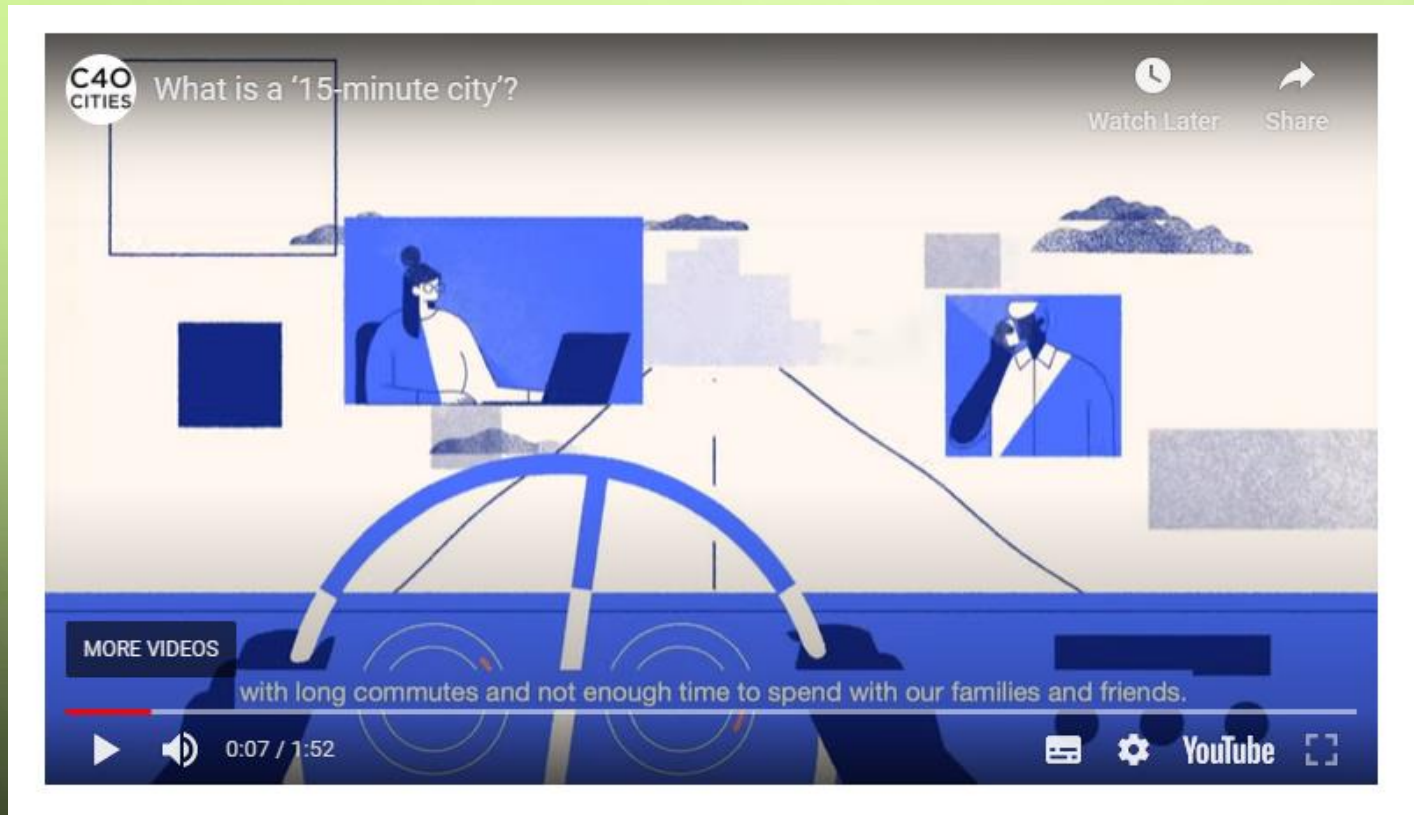


4IR Concepts:

- The Internet of Things
- Digital Surveillance Society
- Robo cops
- Robo dogs
- Automatic waste disposal
- “Pay per waste” disposal
- Self driving car shares
- Big Data for better efficiencies

15 MINUTE CITIES PITCH –

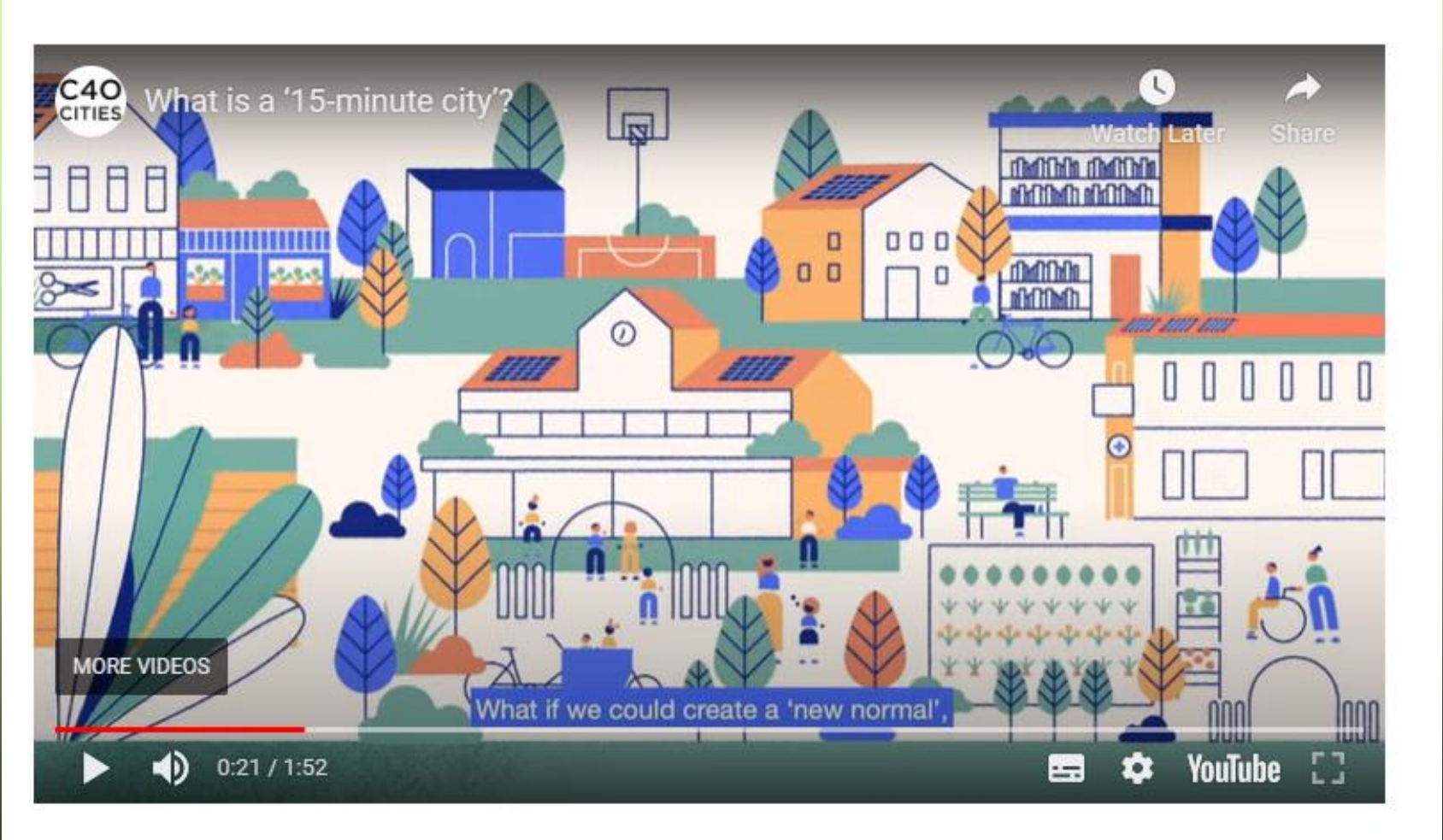
“BEFORE THE RECENT LOCKDOWNS WE LED HECTIC LIVES...”
AS IF WE ALL GOT A ‘VACATION’ DURING LOCKDOWNS



[How to build back better with a 15-minute city](https://www.youtube.com/watch?v=McGyONofhi4)
([c40knowledgehub.org](https://www.c40knowledgehub.org))

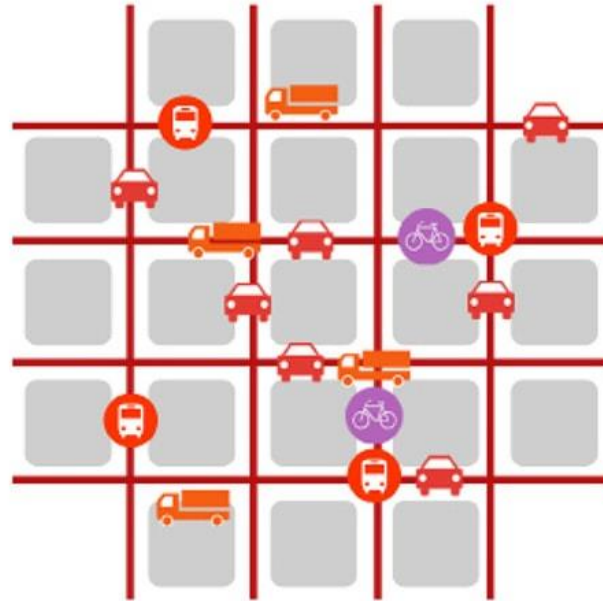
<https://youtu.be/McGyONofhi4>

CREATE "A NEW NORMAL"?

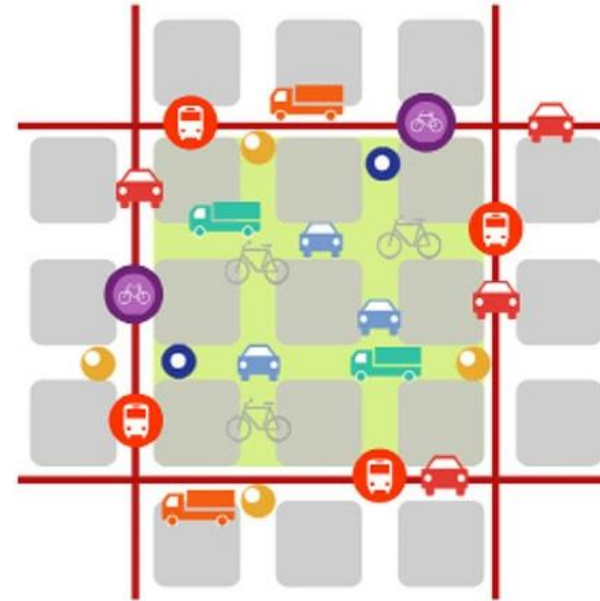









SUPERBLOCKS MODEL

Current Model



Superblocks Model



- | | | | | | |
|---|--|---|------------------------------|---|--|
|  | PUBLIC TRANSPORT NETWORK |  | PRIVATE VEHICLE PASSING |  | DUM PROXIMITY AREA |
|  | BICYCLES MAIN NETWORK (BIKE LANE) |  | RESIDENTS VEHICLES |  | ACCESS CONTROL |
|  | BICYCLES SIGNPOSTS (REVERSE DIRECTION) |  | URBAN SERVICES AND EMERGENCY |  | BASIC TRAFFIC NETWORK |
|  | FREE PASSAGE OF BICYCLES |  | DUM CARRIERS |  | SINGLE PLATFORM (PEDESTRIANS PRIORITY) |

THE CORE PRINCIPLES OF A 15-MINUTE CITY

- Residents of every neighbourhood have easy access to goods and services, particularly groceries, fresh food and **healthcare**.
- Every neighbourhood has a variety of housing types, of different sizes and levels of affordability, to accommodate many types of households and enable more people to live closer to where they work.
- Residents of every neighbourhood are able to breathe clean air, free of harmful air pollutants, there are green spaces for everyone to enjoy.
- More people can work close to home or remotely, thanks to the presence of smaller-scale offices, retail and hospitality, and co-working spaces. **(Lockdowns proved out this #4IR remote work concept, for the most part)**
- [How to build back better with a 15-minute city \(c40knowledgehub.org\)](https://c40knowledgehub.org) Carlos Moreno is behind this idea and Paris Mayor Anne Hidalgo championed it.

POPULATION DENSITY IS A KEY FACTOR FOR A WORKABLE 15-MINUTE CITY CONCEPT

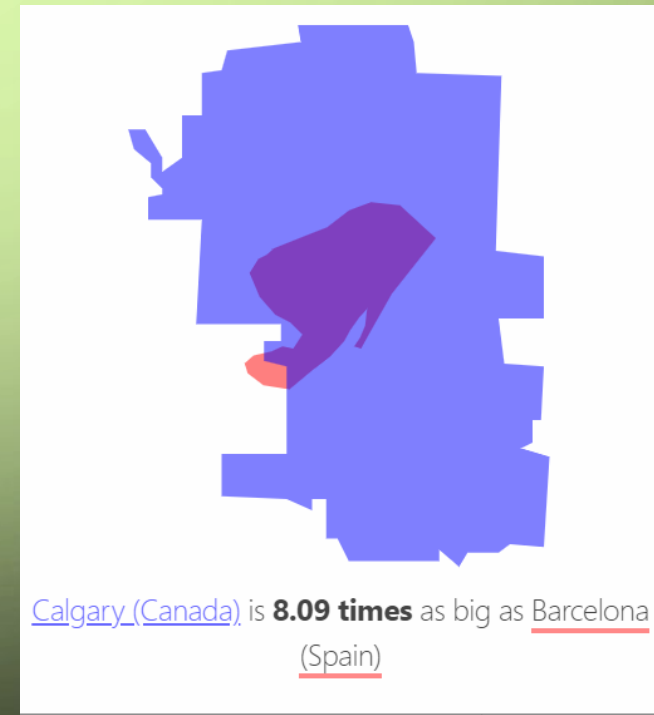
↑
Unless it's a
#ClimateScam

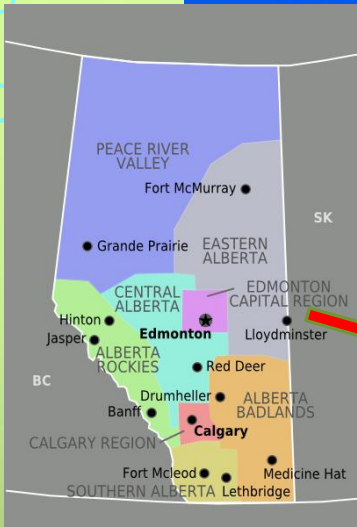
Barcelona: It is estimated that **more than 5 million** live in the metropolitan area, which is the largest on the Mediterranean Sea. The city proper has a high population density of **16,000 people per square kilometer** (41,000/sq mi). This makes Barcelona one of Europe's most densely populated cities.

Vs

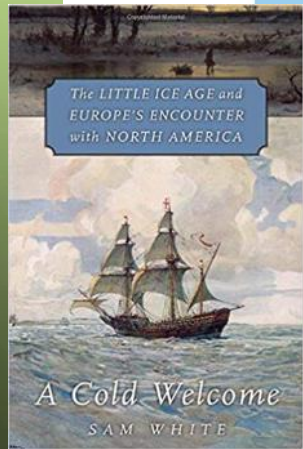
Calgary Based on its current population of 1,239,220, Calgary has a population density of **1,501 people per km²**.

Wetaskiwin 12,000 Camrose 18,000 Brooks 14,000





(WT-en) Shaund su



World Map - Mercator Projection

A cylindrical map is one of the ways of displaying the Earth on a flat surface. The Mercator projection features straight coordinate lines, with meridians crossed at a right angle and horizontal lines. Examples of cylindrical map projections are Cassini, Miller, and the Mercator. Mercator is one of the most popular map projections because it preserves local shapes and represents south as down and north as up. Although it is a cylindrical

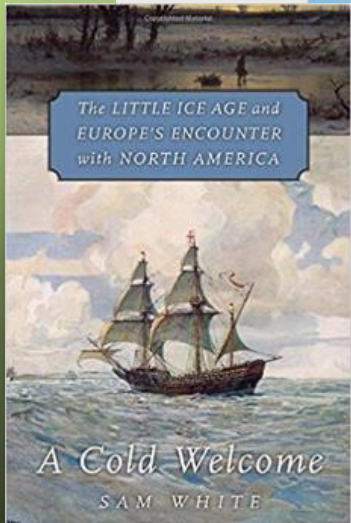
<https://www.worldatlas.com/geography/world-map-mercator-projection.html>

<https://geology.com/world/spain-satellite-image.shtml>



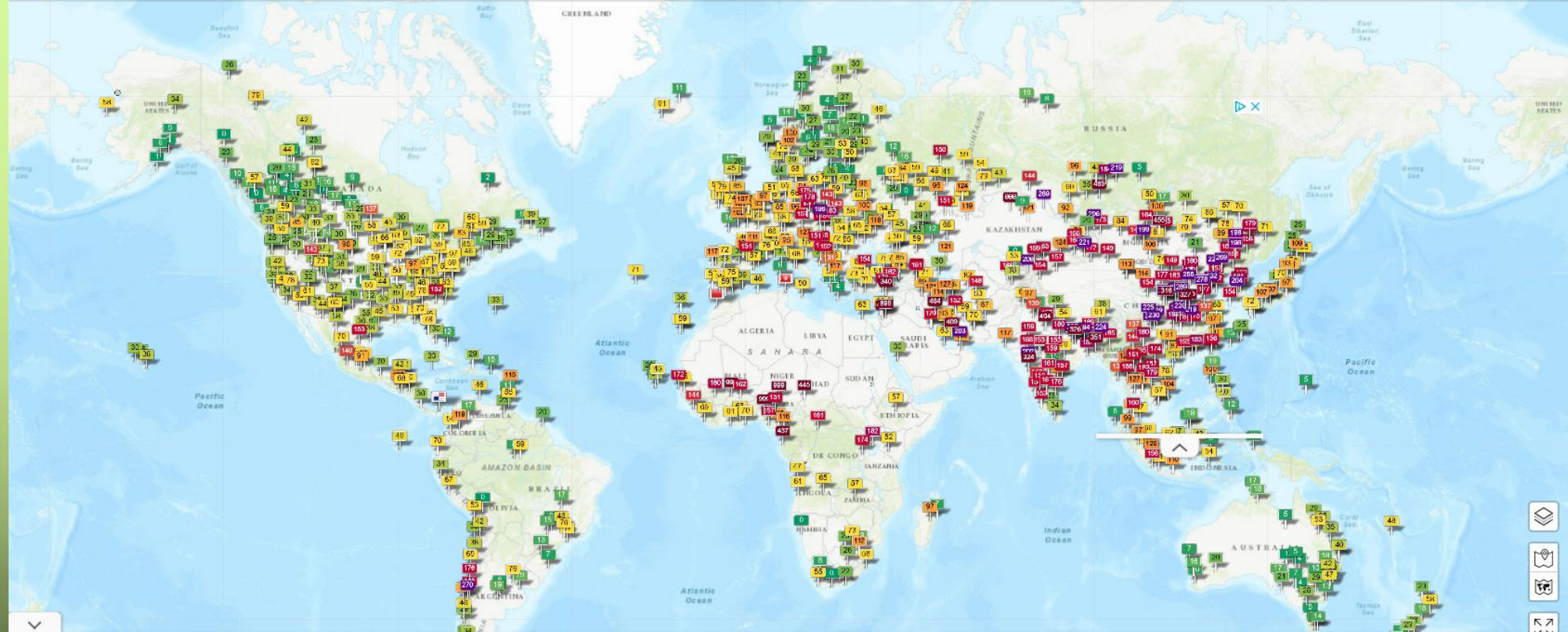
World Map - Mercator Projection

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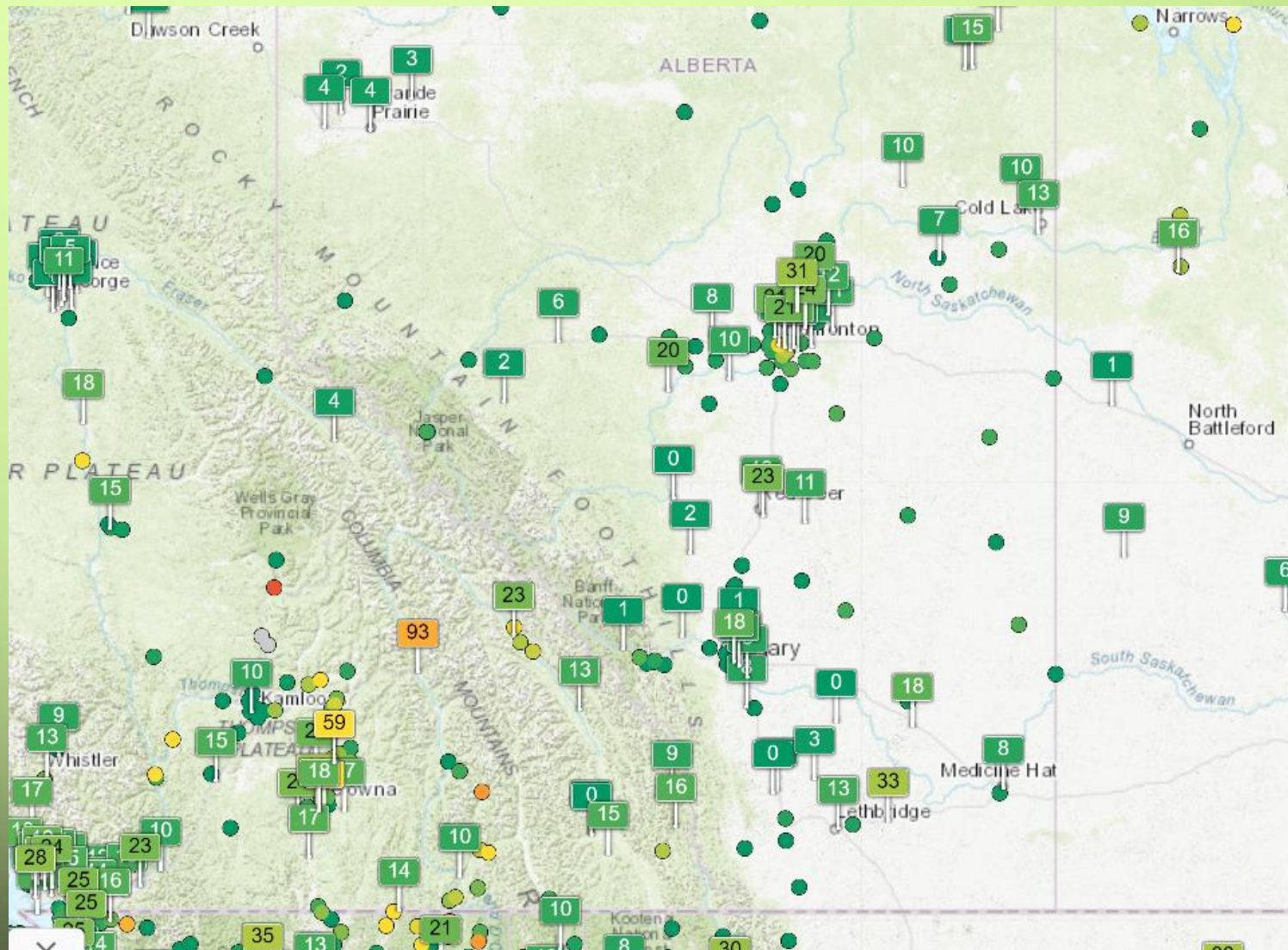
World's Air Pollution: Real-time Air Quality Index

🔍 📍 Like 32K



World Air Quality Map
Feb. 06, 2023 7:25 pm

World Air Quality Map
Alberta Air Quality
Feb. 06, 2023 7:25 pm



<https://waqi.info/#/c/51.567/-109.147/6.4z>



INDIVIDUAL CLIMATE CONTROL PERSONAL CARBON RATION 3 TONS CO₂

- Schellnhuber therefore demands in an interview with the *ARD magazine Panoramato* introduce an individual CO₂ limit and at the same time to enable private trading in CO₂ rights. “Everyone gets three tons of CO₂ per year, **but if you need more, you just have to buy it,**” explains the climate scientist – from others who consume less.
- According to Schellnhuber, this would mean respecting the three tons as a “planetary guard rail” within the framework of a free society, but at the same time accepting the leeway that a market could provide. Because here two property rights are opposed to each other: the right to spend one’s money on something that is associated with high CO₂ emissions and, on the other hand, the property right of all people, which consists in the fact that “we have an environment worth living in”. And there the common good must be higher, demands Schellnhuber.
- <https://globeecho.com/news/europe/germany/climate-policy-habeck-against-a-co2-budget-for-everyone/>
- Image: <https://www.pik-potsdam.de/members/john/homepage>

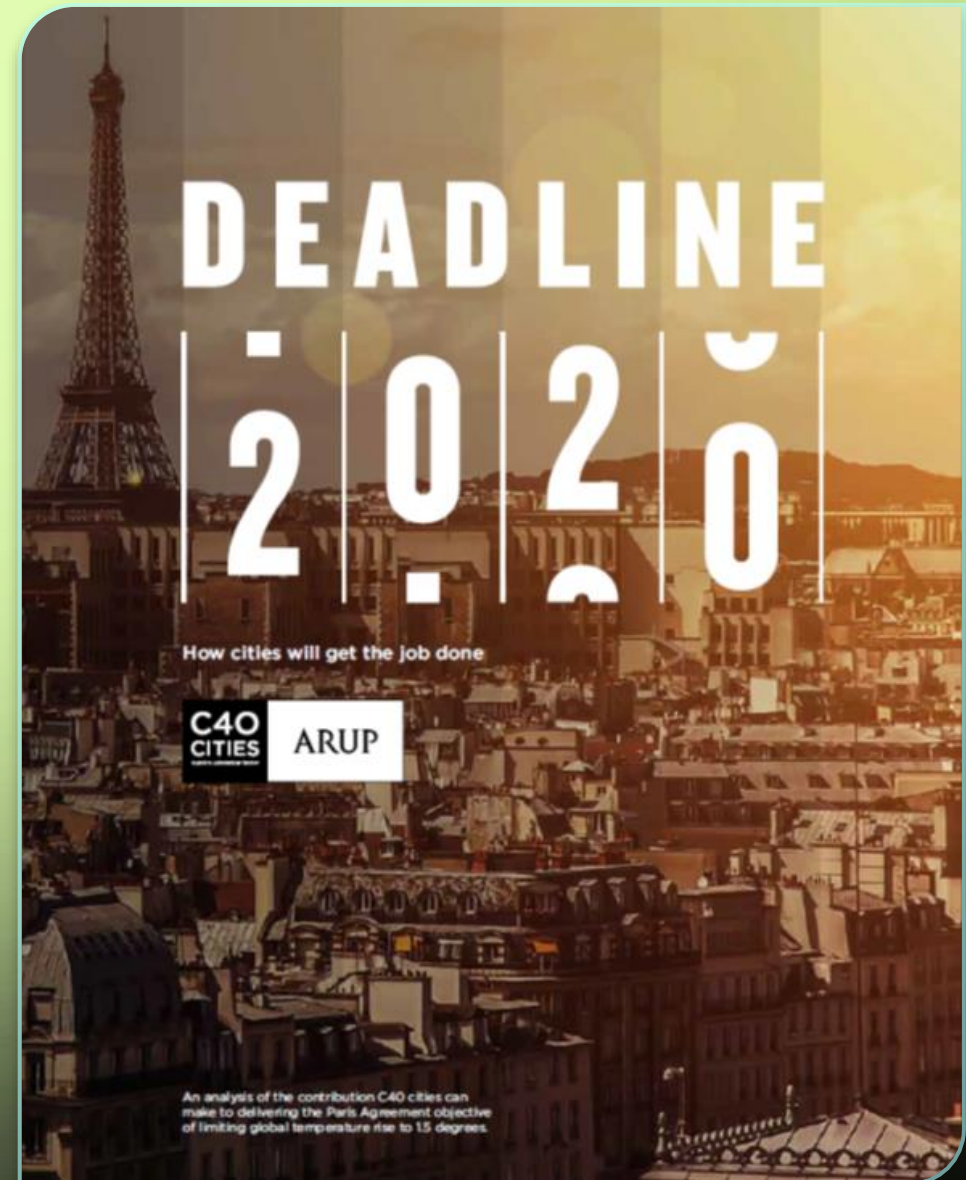


SO, WE RETURN TO “DEADLINE 2020”REPORT FOR CITIES ISSUED IN 2016

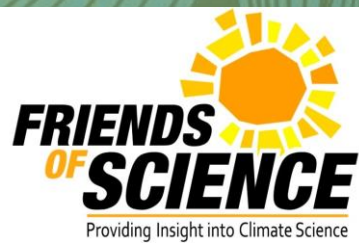
C40 cities need to reduce emissions from an annual average of above 5 tCO₂e per citizen today to around 2.9 tCO₂e per citizen by 2030. ...Cities need to be bold and make decisions now, but they cannot do it alone.

- <https://www.arup.com/perspectives/publications/research/section/deadline-2020-how-cities-will-get-the-job-done>

- AKA #ClimateLockdowns



WHAT ELSE IS GOING ON?



IMF REPORT 2012 – GOOD HEALTH CARE MAKES PEOPLE LIVE TOO LONG. “UNEXPECTED LONGEVITY” CREATES PENSION FUND LIABILITIES; THE ELDERLY WILL CONSUME A GROWING SHARE OF RESOURCES

CHAPTER 4

THE FINANCIAL IMPACT OF LONGEVITY RISK

Summary

As populations age in the decades ahead, the elderly will consume a growing share of resources. It is recognized that this will strain public and private balance sheets, and governments and private pension providers have been preparing for the financial consequences of aging. However, these preparations are based on baseline population forecasts that in the past have consistently underestimated how long people live.

Unexpected longevity beyond those baseline forecasts, while clearly beneficial for individuals and society as a whole, is a financial risk for governments and defined-benefit pension providers, who will have to pay out more in social security benefits and pensions than expected. It may also be a financial risk to individuals, who could run out of retirement resources themselves. These risks build slowly over time, but if not addressed soon could have large negative effects on already weakened private and public sector balance sheets, making them more vulnerable to other shocks and potentially affecting financial stability.

CITIBANK – 2016 REPORT

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DEFINED BENEFIT

March 16, 2016 01:00 AM

OECD countries facing \$78 trillion in pension liabilities – Citi report

By MEAGHAN OFFERMAN



TWEET



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REPRINTS



PRINT



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High unfunded liabilities combined with demographic changes are putting pressure on public and private pension funds globally, said a new [Citigroup](#) report.

According to the report, the total value of unfunded government pension liabilities for 20 countries that belong to the Organization for Economic Cooperation and Development is \$78 trillion.

Looking at the private sector in the U.S., S&P 500 companies faced pension

WORLD ECONOMIC FORUM

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Media | News Releases

World Economic Forum and UN Sign Strategic Partnership Framework

Published 13 Jun 2019

2019

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Alem Tedeneke, Media Manager, Tel.: +1 646 204 9191, Email: ated@weforum.org

- The UN-Forum Partnership was signed in a meeting held at United Nations headquarters between UN Secretary-General António Guterres and World Economic Forum Founder and Executive Chairman Klaus Schwab to accelerate the implementation of the 2030 Agenda for Sustainable Development
- The partnership identifies six areas of focus – financing the 2030 Agenda, climate change, health, digital cooperation, gender equality and empowerment of women, education and skills to strengthen and broaden their combined impact by building on existing and new collaborations
- The full partnership framework can be found [here](https://www.weforum.org/press/2019/06/world-economic-forum-and-un-sign-strategic-partnership-framework/)

New York, USA, 13 June 2019 – The World Economic Forum and the United Nations signed today a Strategic Partnership Framework outlining areas of cooperation to deepen institutional engagement and jointly accelerate the implementation of the 2030 Agenda for Sustainable Development. The framework was drafted based on a mapping of existing collaboration between the two institutions and will enable a more strategic and coordinated approach towards delivering impact.

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I accept

June 2019- financing the 2030 Agenda, climate change, health, digital cooperation, gender equality and empowerment of women, education and skills.

<https://www.weforum.org/press/2019/06/world-economic-forum-and-un-sign-strategic-partnership-framework/>

WORLD ECONOMIC FORUM

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Among the World Economic Forum Platforms include Shaping the Future of New Economy and Society, Shaping the Future of Global Public Goods, Shaping the Future of Technology Governance (including Artificial Intelligence and Machine Learning, Blockchain and Distributed Ledger Technologies, and IoT, Robotics and Smart Cities, etc.); a full list of 18 Platforms can be found [here](#).



Media | News Releases

World Economic Forum and OECD Sign Strategic Partnership Framework

Published 23 Jan 2020

2020

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Kirsten Salyer, Public Engagement, World Economic Forum, +41 79 265 87 73, kirsten.salyer@weforum.org

- The OECD-Forum Partnership was signed in the World Economic Forum 50th Annual Meeting in Davos-Klosters by OECD Secretary-General Angel Gurría and World Economic Forum Founder and Executive Chairman Klaus Schwab to accelerate inclusive and sustainable growth globally
- Recognizing the challenges and opportunities of a new economic agenda at the dawn of a new decade, the OECD and the World Economic Forum agree to deepen their collaboration through a strategic partnership framework, utilizing the collective power of both institutions to advance impact
- Learn more at weforum.org

Davos-Klosters, Switzerland, 23 January 2020 – The World Economic Forum and the Organisation for Economic Co-operation and Development signed today a Strategic Partnership Framework to deepen institutional engagement and jointly accelerate inclusive and sustainable growth globally. The framework consists of three pathways for collaboration, utilizing the collective power of both

January 2020

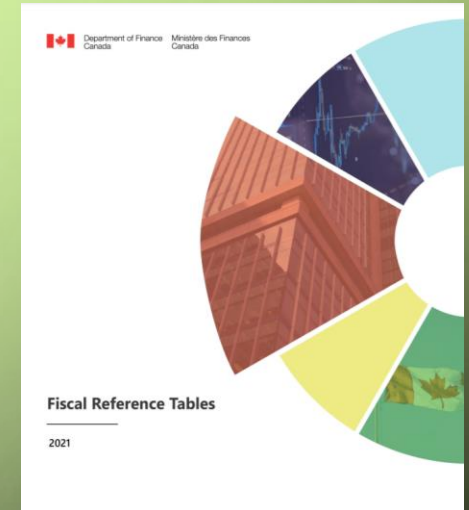
NO ONE TALKS ABOUT THE DEBT - PRE-COVID: A \$243,000 BILL COURTESY OF CANADA'S GOVERNMENTS – FRASER INSTITUTE

- Three such programs with large unfunded liabilities are the Canada Pension Plan (CPP), Old Age Security (OAS), and Canada's public health care system.
- When these programs were designed around a half century ago, the assumption was that demographic and economic trends of the time would continue. The idea was to tax a relatively large cohort of younger workers to pay for the benefits of a relatively small number of elderly.
- The demographic assumptions turned out to be false. In 1956, only 7.7 per cent of Canadians were over 65 years old. That proportion doubled to 15.3 per cent in 2013 and is expected to increase further to 25.4 per cent by 2061.
- Put simply, the aging of Canada's population has resulted in large and growing unfunded liabilities. The funding shortfall is estimated at \$792.3 billion for the CPP, \$494.4 billion for OAS, and \$894.7 billion for medicare. Together the unfunded liabilities in Canada's public pensions and health care programs total \$2.2 trillion or \$134,841 for each income taxpayer.
- These unfunded program obligations make up more than half of total government liabilities.
- <https://www.fraserinstitute.org/article/243000-bill-courtesy-canadas-governments>

POST-COVID DEBT

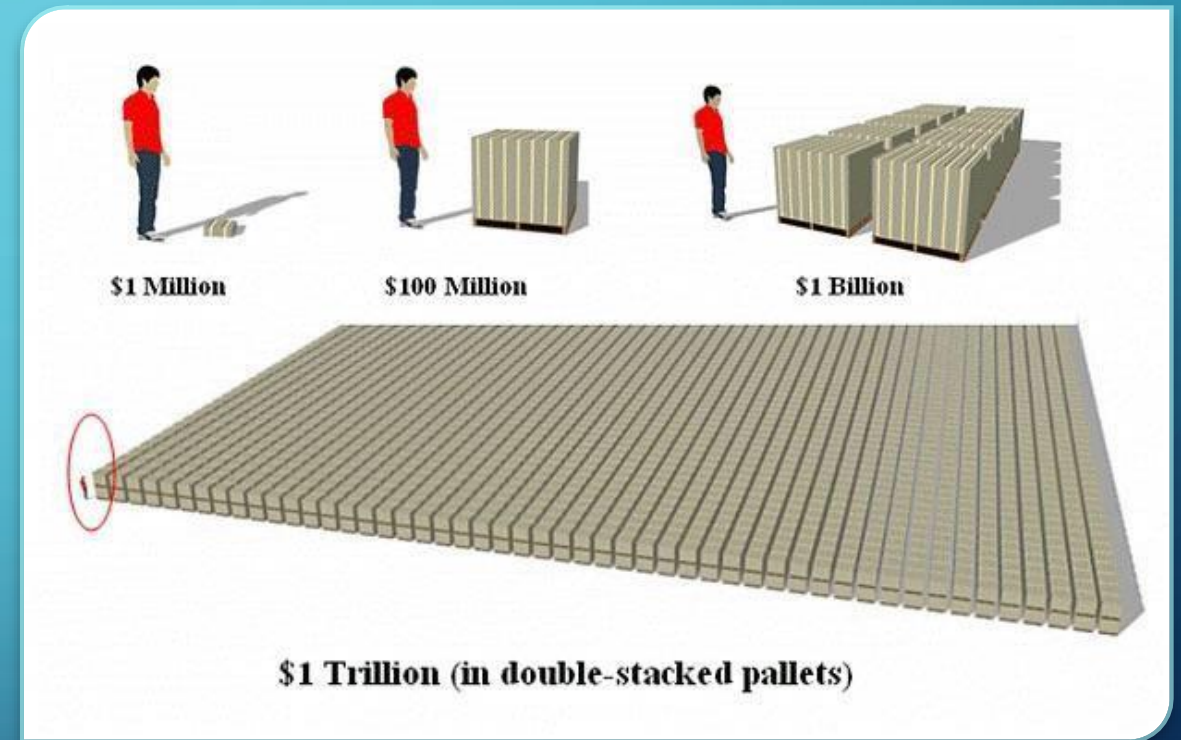
- Federal government revenues rose from \$332.2 billion in 2018-2019 to \$334.1 billion in 2019-2020, and then fell to \$316.4 billion in 2020-2021.
- Federal expenditures, excluding interest payments on the debt, rose from \$314.5 billion in 2018-2019 to \$608.5 billion in 2020-2021. In other words, **expenditures rose by 93% in two years, the largest increase in history.**
- The federal government budgetary deficit rose from \$5.6 billion in 2018-2019 to \$312.4 billion in 2020-2021, **an increase of 5,479%.**
- **The total interest-bearing debt of the federal government rose from \$1.02 trillion in 2018-2019 to \$1.44 trillion in 2020-2021.** A one per cent increase in interest rates would add \$14.4 billion to annual federal debt servicing charges.
- The 2020-2021 figures for all provinces and territories are not yet available. In 2019-2020, the net debt of the provinces and territories was \$706.7 billion.
- **The combined federal/provincial/territorial debt equaled 118% of GDP in 2020.**

<https://blog.friendsofscience.org/2022/02/19/monumental-financial-problems-facing-canadians/>



STAGGERING NUMBERS

- *These are staggering numbers that ordinary people rarely have to consider in their daily lives. This may offer people a way to put these numbers in perspective:*
- *One thousand: 1,000 seconds is 17 minutes.*
- *One million: 1,000,000 seconds is 11 days.*
- *One billion: 1,000,000,000 seconds is 31.5 years.*
- *One trillion: 1,000,000,000,000 is 31,709 years.*

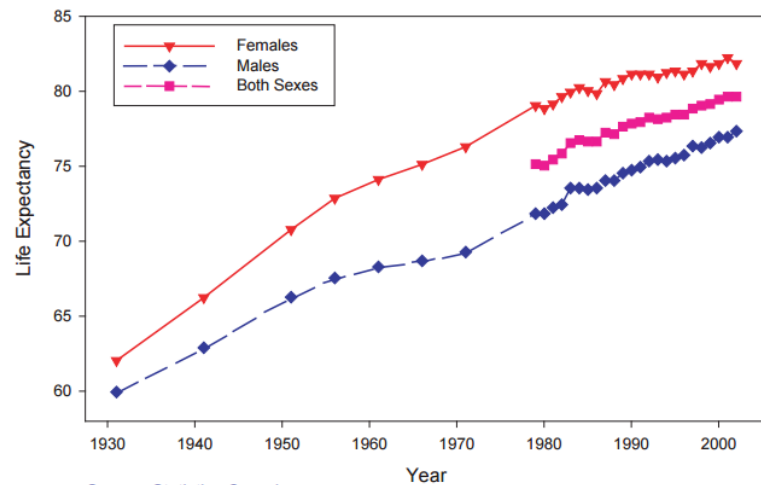


WHAT OF HEALTH CARE COSTS?

LIFE EXPECTANCY IS HIGH IN ALBERTA...BUT THAT CREATES A PROBLEM OF ITS OWN KIND

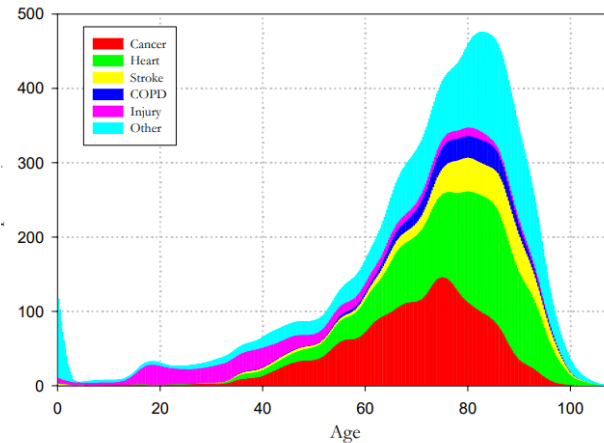
Figure 62 illustrates the distribution of deaths in Alberta by major cause (note that COPD is an abbreviation for chronic obstructive pulmonary disease) and by age group. As can be expected, the vast majority of deaths occur in the 50-and-over age categories; however deaths due to injury begin at a much earlier age.

Figure 11 Life expectancy at birth in Alberta, 1931 to 2001



Source: Statistics Canada

Figure 62: Distribution of Deaths in Alberta, 2005



Source: Alberta Vital Statistics, Death File, October 2006 release



HEALTH CARE IS THE PROVINCE'S LARGEST EXPENSE



Health care is the province's largest expense, making up 43 per cent of total operating costs. With Budget 2019, the province is increasing the health-care budget by \$200 million, bringing overall operating spending to \$20.6 billion per year.

"We're delivering on our promise to maintain health funding, in fact we're increasing it by one per cent," Health Minister Tyler Shandro said in a statement.

"We're going to get our costs under control and reinvest all savings in increasing services. We firmly believe there's enough money in this health system to accommodate population growth and reduce wait times."

Of the increase, \$100 million will be allocated to a mental health and addictions strategy, \$40 million for an opioid response strategy and \$20 million for palliative care. The province is also providing \$6 million for a new sexual assault hotline and \$4 million for the Health Quality Council of Alberta.

x 20





News / Canadian Politics / Canada

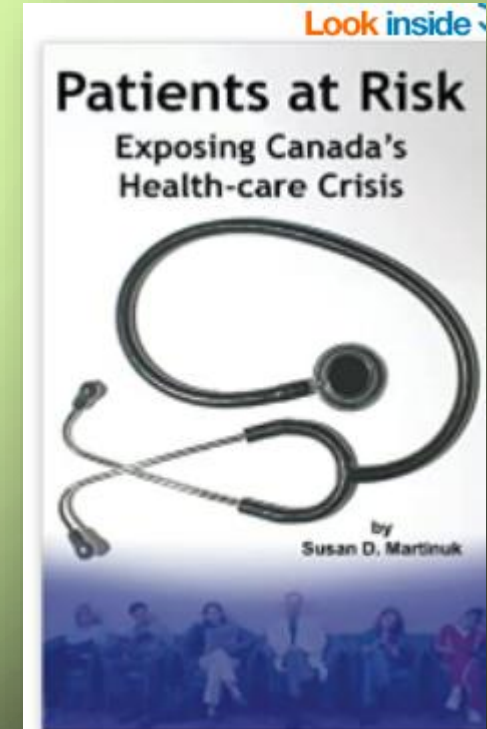


Trudeau offers premiers \$46.1 billion in new money over next decade for health care

The money will only come if provinces agree to data sharing and to continue their health spending at current levels

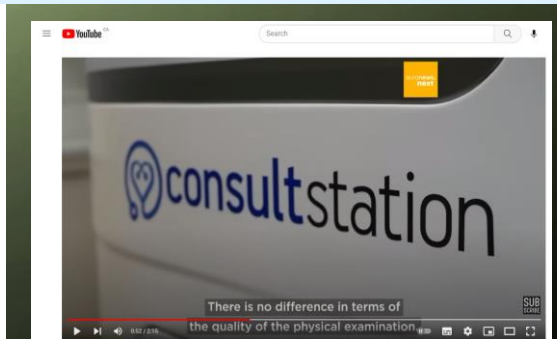
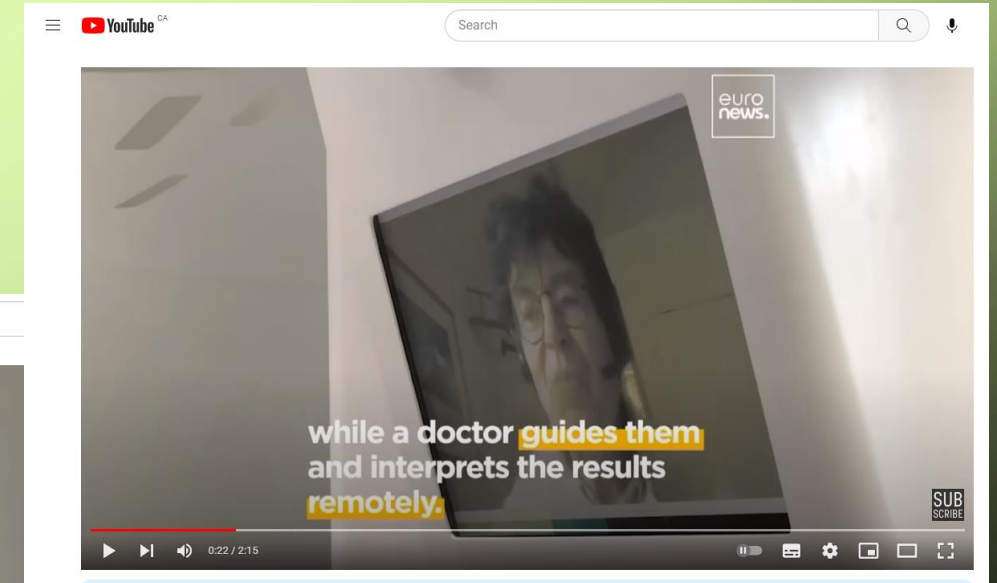
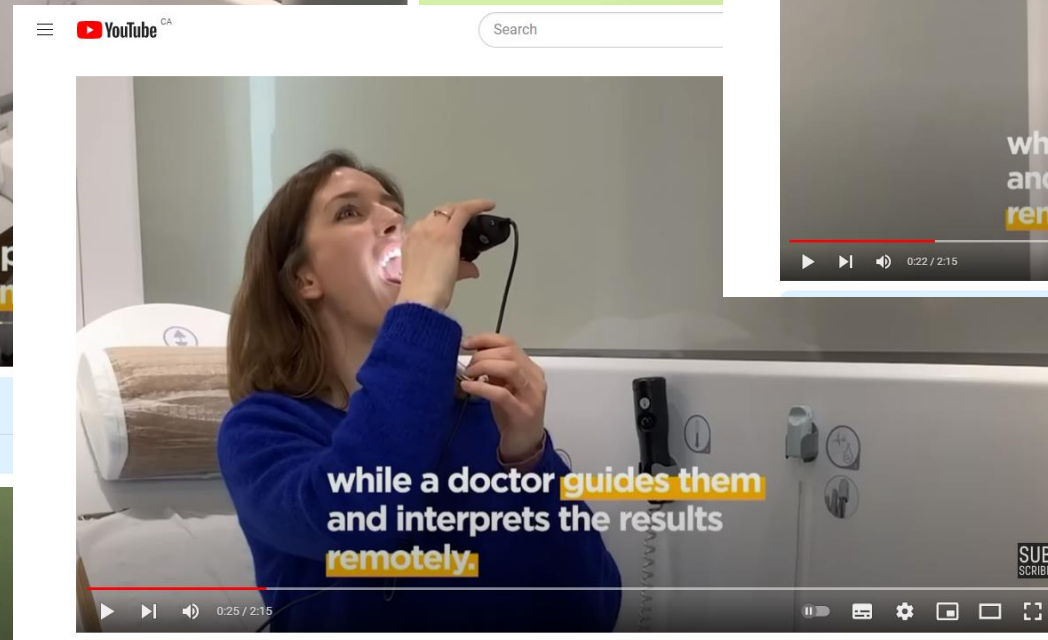
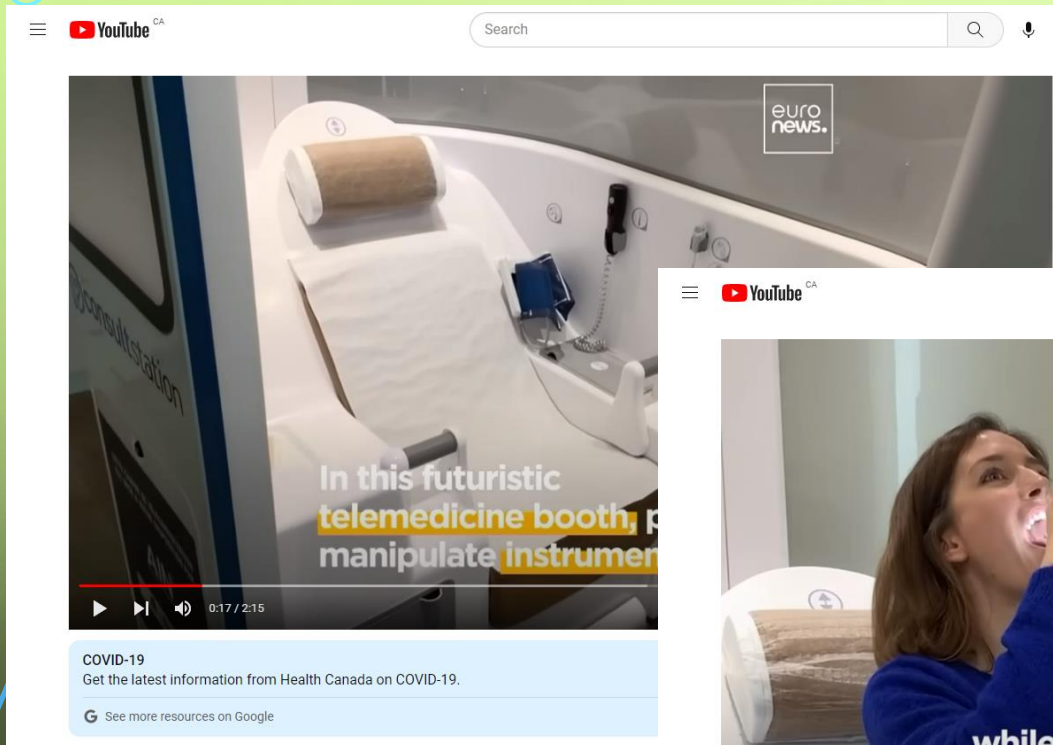
Ryan Tumilty

Published Feb 07, 2023 • Last updated 1 week ago • 4 minute read



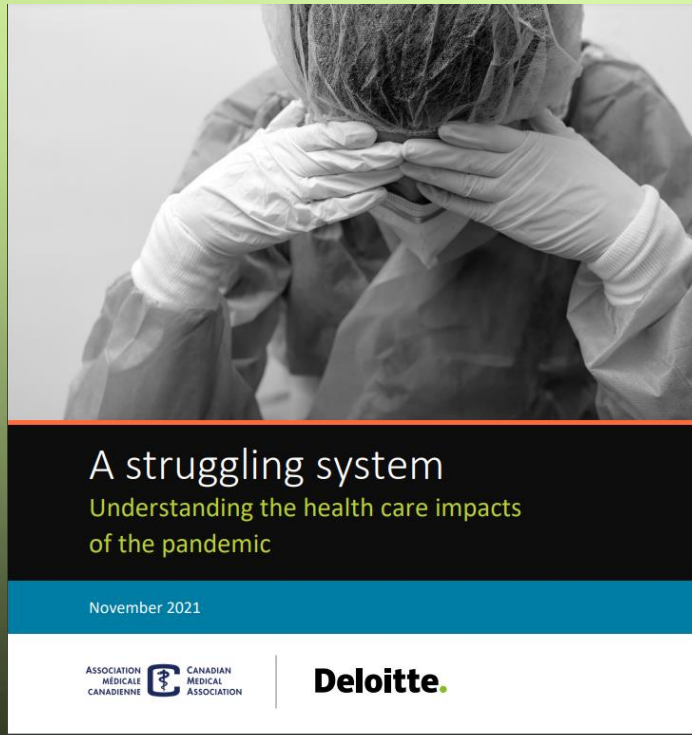
<https://nationalpost.com/news/politics/federal-provinces-health-care-46-1-billion-in-new-money>

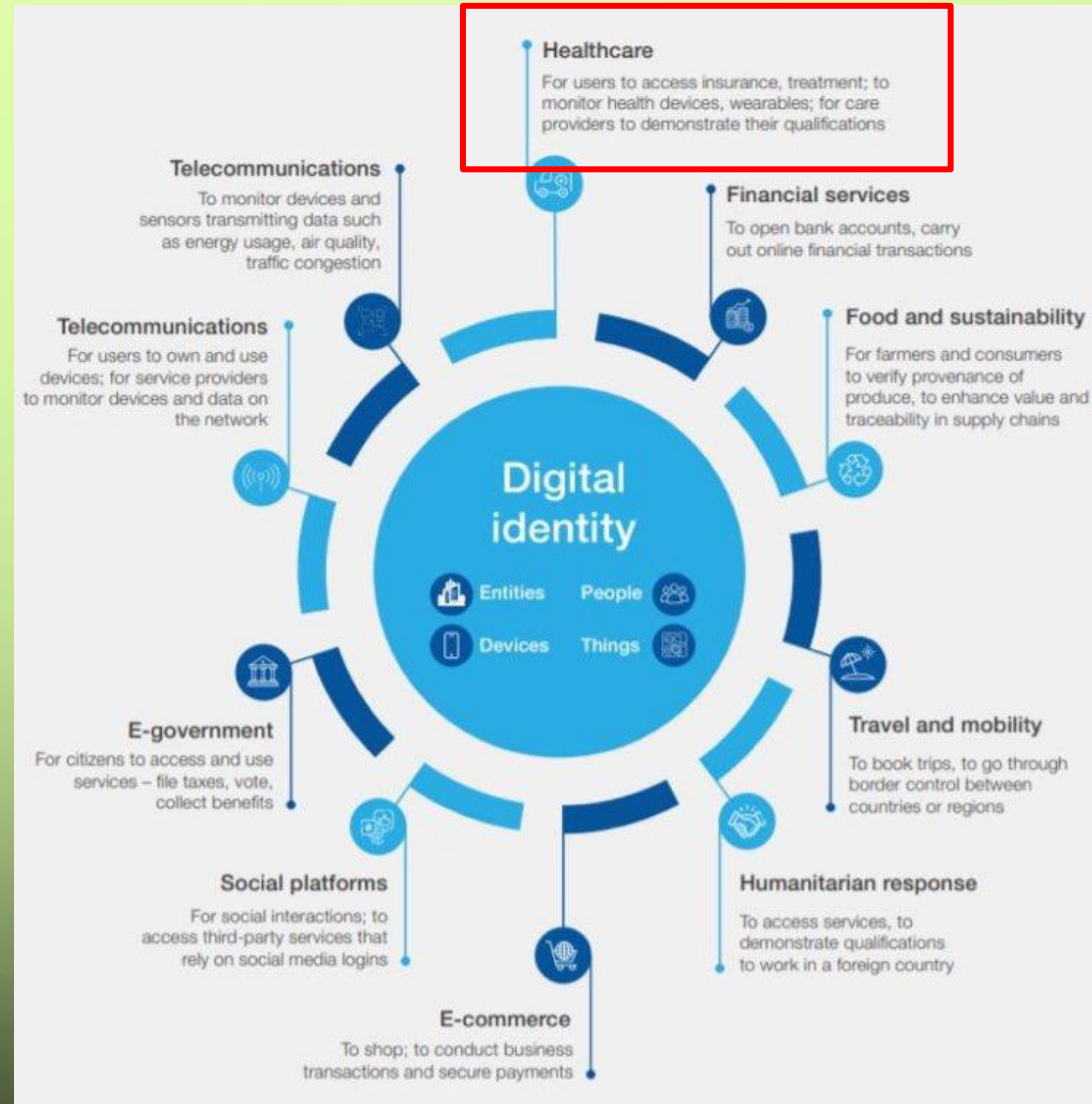
THE 15-MINUTE CITY PROMISES HEALTHCARE JUST A WALK AWAY – FOR THIS YOU NEED DATA. #4IR



<https://youtu.be/vEtWGcE-FLo>

LOCKDOWN LEGACY – LOCKDOWNS KILLED MANY, MANY MORE WILL DIE PREMATURE DEATHS OR CHOOSE MAID OVER PAIN





Infrastructure Canada

Canada

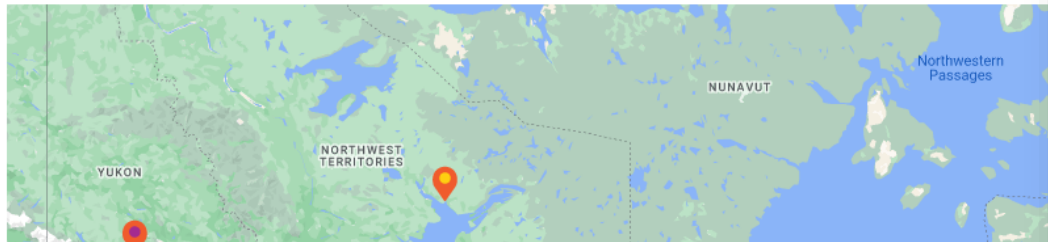
 Search

- Investing in Canada plan
- Rural Economic Development
- Major Bridges
- Smart Cities Challenge
- Research and Data

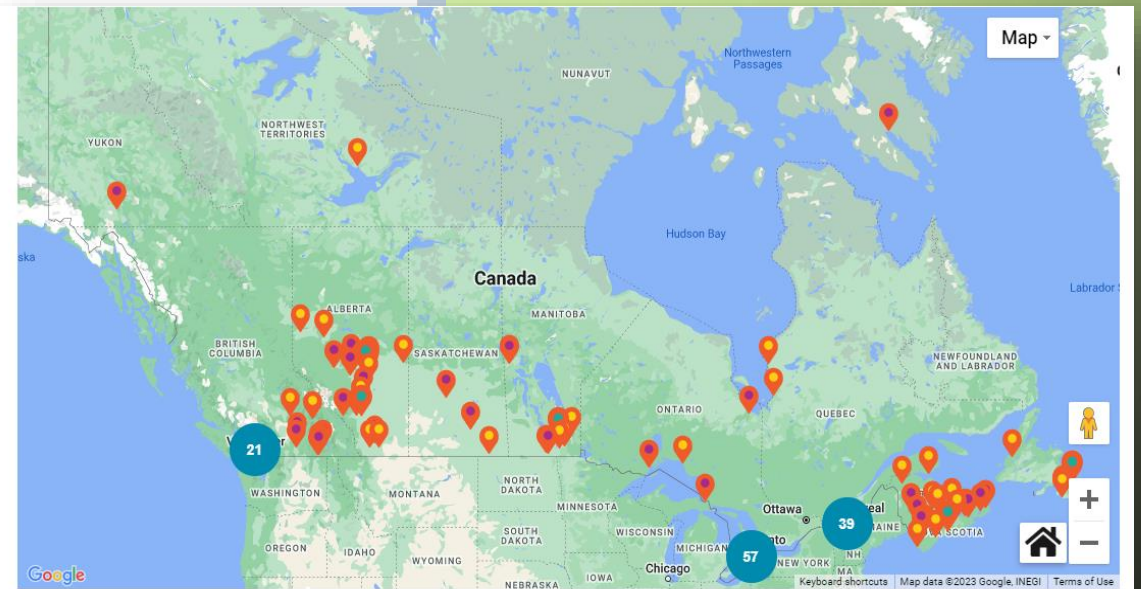
Participating communities



This is an interactive map of the communities that applied to the Smart Cities Challenge. Click on the markers on the map to view the communities and their applications. Use the filters to explore who applied to which prize categories and focus areas are being shown on the map. For a complete list of communities, click on "download data" at the right bottom corner.



<https://www.infrastructure.gc.ca/sc-vi/map-applications.php>



- Competition 1** All Applicants Finalists Winners
- Prize category** 5M \$ 5 million 10M \$ 10 million 50M \$ 50 million
- Focus areas**
- Economic opportunity
 - Empowerment and inclusion
 - Environmental quality
 - Healthy living and recreation
 - Mobility
 - Safety and security

Download data

Pilot Partners

WORLD
ECONOMIC
FORUM

Canada



Government of the Netherlands

YUL Aéroport
International
Montréal-Trudeau

Schiphol



Toronto Pearson

KLM Royal Dutch Airlines

 AIR CANADA


accenture



Ideas

Digital Identity in Healthcare

Improving safety and services for Canadian patients



With the advent of the COVID pandemic, a new moment of change has been thrust upon us, as doctors' offices, clinics, and hospitals impose strict social distancing policies.

[Download White Paper](#)

Introduction

Healthcare has long held a central place in Canadian society, and with a steadily aging population and constantly advancing technology, it's no surprise that demands on the healthcare system have been



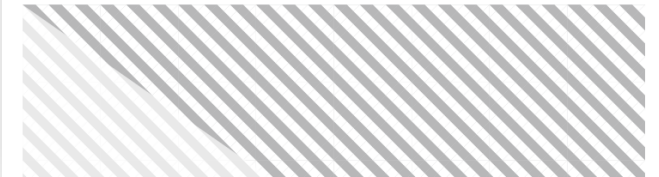
White Paper

Digital Identity On the Threshold of a Digital Identity Revolution

2018

Davos-Klosters, Switzerland 23-26 January 2018

January 2018



CENTRAL BANK DIGITAL CURRENCY FOR CANADA?

What future for a CBDC in Canada?

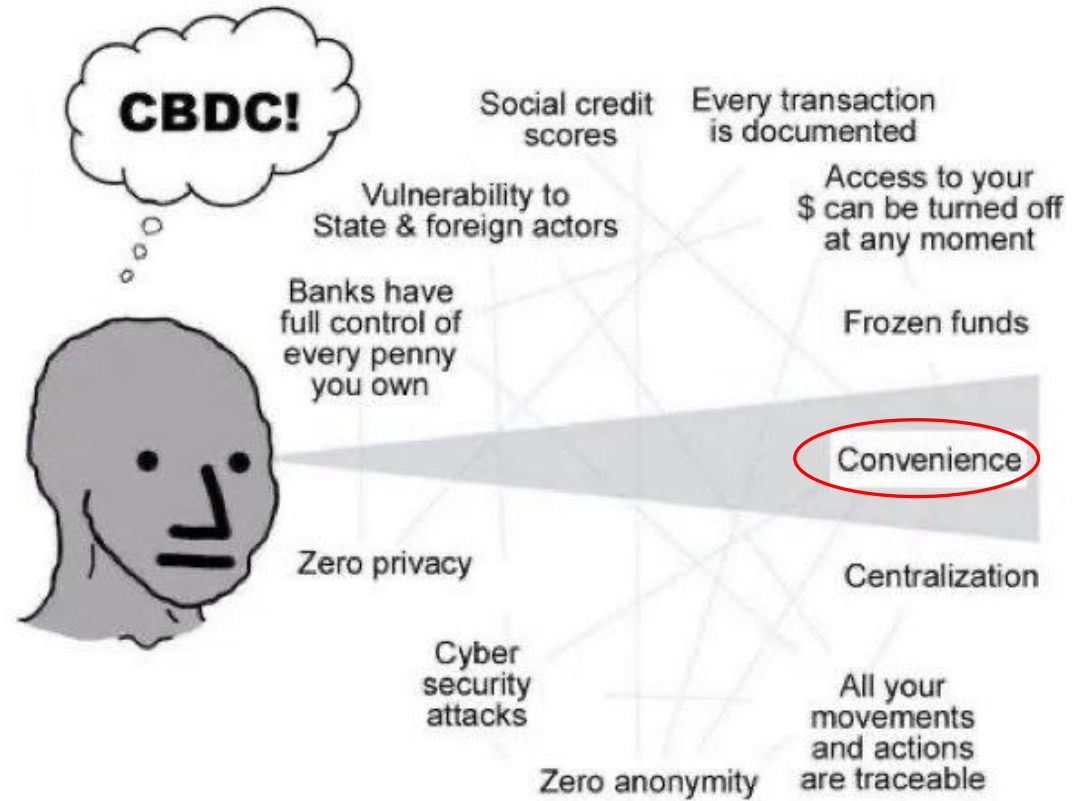
Rapid developments and emerging public openness to digital currencies has accelerated work by central banks around the world, including by the Bank of Canada (BoC), on the potential issuance of a Canadian retail central bank digital currency (CBDC). The BoC's rationale behind this is that **the day may come when Canadians can no longer readily use cash for everyday transactions**, or when an alternative private digital currency becomes widely adopted. A CBDC is basically digital money issued by a central bank. If a Canadian CBDC were issued, **individuals and businesses could use it to pay for products or services using a mobile phone or a special card or device.** It would be like cash but also able to be used online. This official digital currency would retain its face value in Canadian dollars because it is issued by the BoC, just like bank notes.



MANY YOUNG
PEOPLE WILL LOVE
THIS IDEA.
THIS AUTHOR SAYS,
'DON'T DO IT.'



“HEY, COOL. GOVERNMENT IS TRYING TO MAKE MY LIFE EASIER WITH A DIGITAL CURRENCY”



A CASHLESS SOCIETY MEANS ZERO CASH

**NO CAR BOOT SALE/MARKETS
NO TOOTH FAIRY/PIGGY BANKS
NO SAVING CASH FOR A RAINY DAY
NO TIPPING THE WAITER OR HAIRDRESSER
NO GIVING TO THE HOMELESS
NO GIVING TO BUSKING MUSICIANS
NO SELLING UNWANTED ITEMS FOR CASH
NO BUYING ANYTHING WITH PRIVACY
100% DIGITAL CURRENCY MEANS YOUR LIFE IS 100%
DEPENDENT ON A POWER SOURCE & THE INTERNET**

**EVERY PENNY YOU RECEIVE WILL BE
RECORDED. EVERY TRANSACTION
WILL BE TRACKED**

Why should we pay cash everywhere with banknotes instead of a card ?

- I have a \$50 banknote in my pocket. Going to a restaurant and paying for dinner with it. The restaurant owner then uses the bill to pay for the laundry. The laundry owner then uses the bill to pay the barber. The barber will then use the bill for shopping. After an unlimited number of payments, it will still remain a \$50, which has fulfilled its purpose to everyone who used it for payment and the bank has jumped dry from every cash payment transaction made..

- But if I come to a restaurant and pay for digitally - Card, bank fees for my payment transaction charged to the seller are 3%, so around \$1.50 and so will the fee \$1.50 for each further payment transaction or owner re laundry or payments of the owner of the laundry shop, or payments of the barber etc..... Therefore, after 30 transactions, the initial \$50 will remain only \$5 and the remaining \$45 became the property of the bank thanks to all digital transactions and fees.



MY CARBON.

World Economic Forum Annual Meeting [Learn more >](#)

WORLD ECONOMIC FORUM


[Join us](#) [Sign in](#)

Opinion

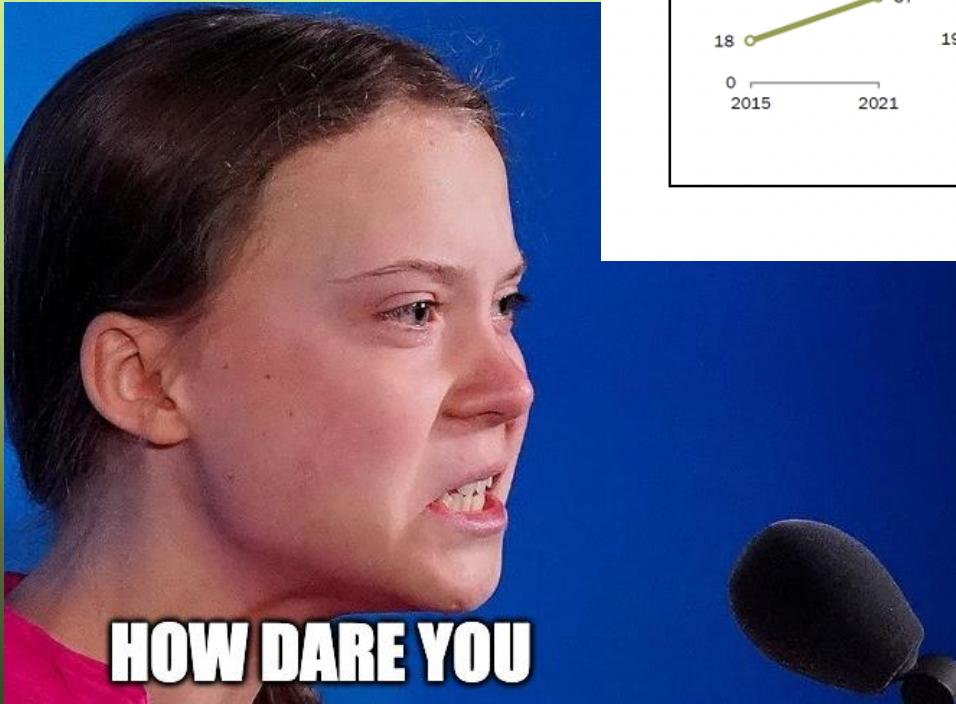
CLIMATE CHANGE

'My Carbon': An approach for inclusive and sustainable cities

Sep 14, 2022



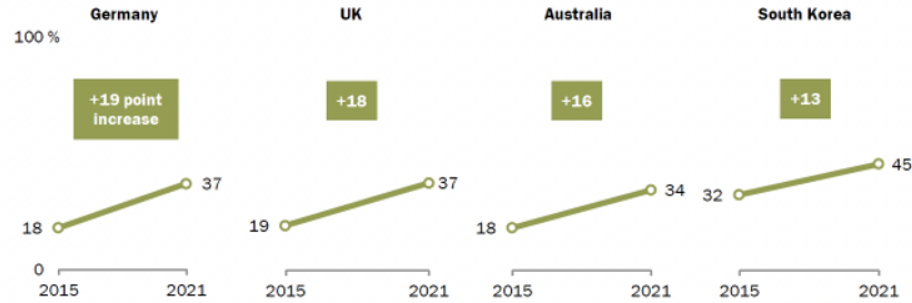
<https://www.weforum.org/agenda/2022/09/my-carbon-an-approach-for-inclusive-and-sustainable-cities/>



HOW DARE YOU

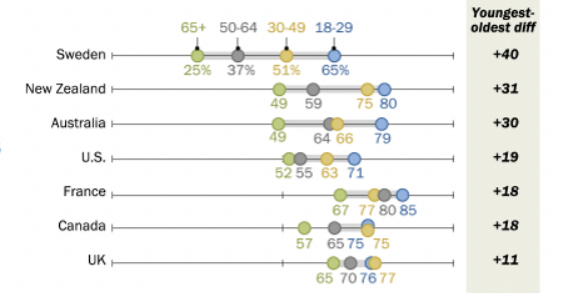
Intense concern about the personal effects of climate change has increased sharply in several major economies since 2015

% who are **very concerned** that global climate change will harm them personally at some point in their lifetime



Younger adults tend to be more concerned than older counterparts that climate change will harm them

% who are **very/somewhat concerned** that global climate change will harm them personally at some point in their lifetime, among those ages ...





Climate Change

Follow +



Energy efficiency apps like Svalna, give suggestions and statistics regarding greenhouse emissions and offer ways to reduce your personal footprint, which will aid sustainable cities. Image: Svalna

CONVERGENCE OF THE CLIMATE-CARBON-BIOMEDICAL STATE TYRANNY

nature sustainability PERSPECTIVE
https://doi.org/10.1038/s41893-021-00756-w

Personal carbon allowances revisited

Francesco Fuso Nerini¹, Tina Fawcett², Yael Parag³ and Paul Ekins⁴

Here we discuss how personal carbon allowances (PCAs) could play a role in achieving ambitious climate mitigation targets. We argue that recent advances in AI for sustainable development, together with the need for a low-carbon recovery from the COVID-19 crisis, open a new window of opportunity for PCAs. Furthermore, we present design principles based on the Sustainable Development Goals for the future adoption of PCAs. We conclude that PCAs could be trialled in selected climate-conscious technologically advanced countries, mindful of potential issues around integration into the current policy mix, privacy concerns

Here we discuss how personal carbon allowances (PCAs) could play a role in achieving ambitious climate mitigation targets. We argue that recent advances in AI for sustainable development, together with the need for a low-carbon recovery from the COVID-19 crisis, open a new window of opportunity for PCAs.

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Analysis » Green Recovery

Net zero healthcare: a call for clinician action

BMJ 2021 ; 374 doi:https://doi.org/10.1136/bmj.n1323 (Published 20 September 2021)
Cite this as: BMJ 2021;374:n1323

Visual summary available
Highlighting some of the strategies that could be used to reduce healthcare emissions

Article Related content Metrics Responses Peer review

Jodi D Sherman, associate professor¹, Forbes McGain, consultant^{2 3 4}, Melissa Lem, clinical assistant professor⁵, Frances Mortimer, medical director⁶, Wayne B Jonas, clinical professor^{7 8 9}, Andrea J MacNeill, clinical associate professor¹⁰

In comparison, the task of transforming healthcare culture and practice to halve healthcare emissions by 2030 as recommended by the Intergovernmental Panel on Climate Change ¹ seems entirely feasible.

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Geriatric medicine in the era of climate change

Get access
Bethan Davies, Mahmood F Shutta

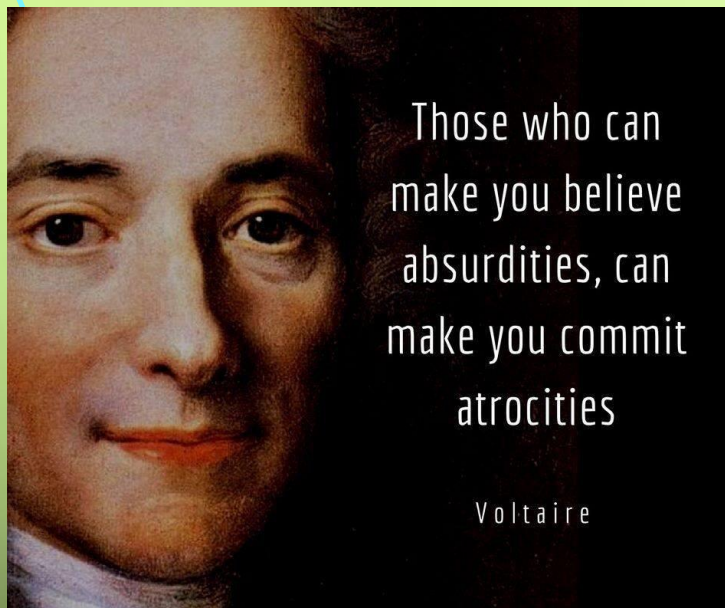
Age and Ageing, Volume 51, Issue 1, January 2022, afab199,
https://doi.org/10.1093/ageing/afab199
Published: 13 October 2021 Article history

Cite Permissions Share

Abstract

Climate change has been termed the greatest threat to human health of the 21st century. Older people and those living with frailty are more vulnerable to the effects of climate change including heatwaves and extreme weather events, and therefore, we have a responsibility to advocate for action on the climate emergency and take steps to reduce the environmental impact of our care

The NHS contributes 5.7% to the carbon footprint of the UK, and by reviewing the financial costs associated with frailty, we estimate the carbon footprint of frailty to be 1.7 MtCO₂e, or 7% of the total NHS carbon footprint.



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ADVERTISEMENT

Did care homes use powerful sedatives to speed Covid deaths? Number of prescriptions for the drug midazolam doubled during height of the pandemic

- Powerful sedative prescriptions doubled at the height of the coronavirus crisis
- Prescribing of the drug midazolam increased by more than 100% in April
- Whistleblowers also claimed to have witnessed misuse of sedatives



Delivering a 'Net Zero'
National Health Service

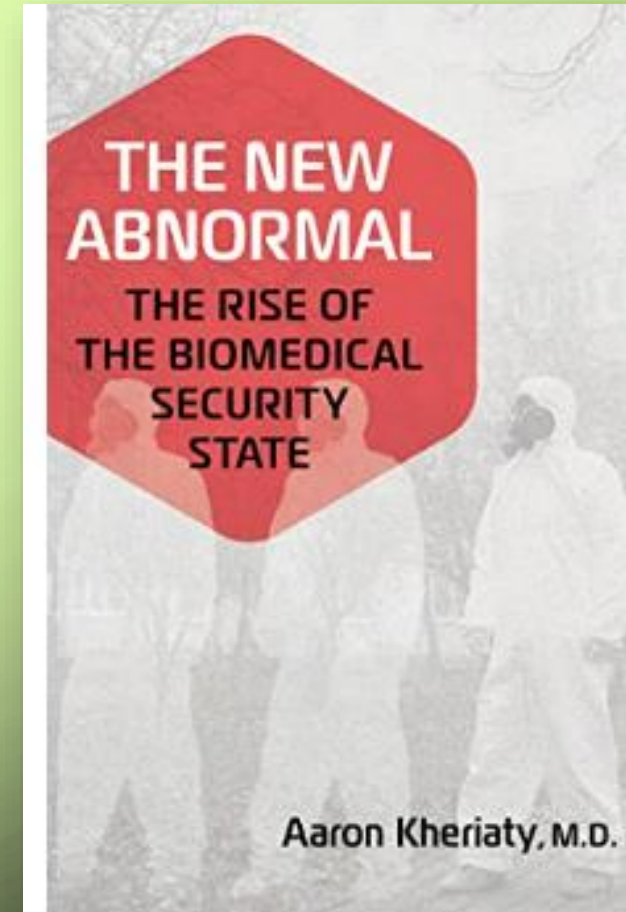
A photograph showing three healthcare workers in a clinical setting. One is wearing a surgical cap and mask, another is wearing a headlamp, and a third is wearing a white lab coat. They appear to be focused on a task, possibly a patient's care.

REJECT THE NEW ABNORMAL

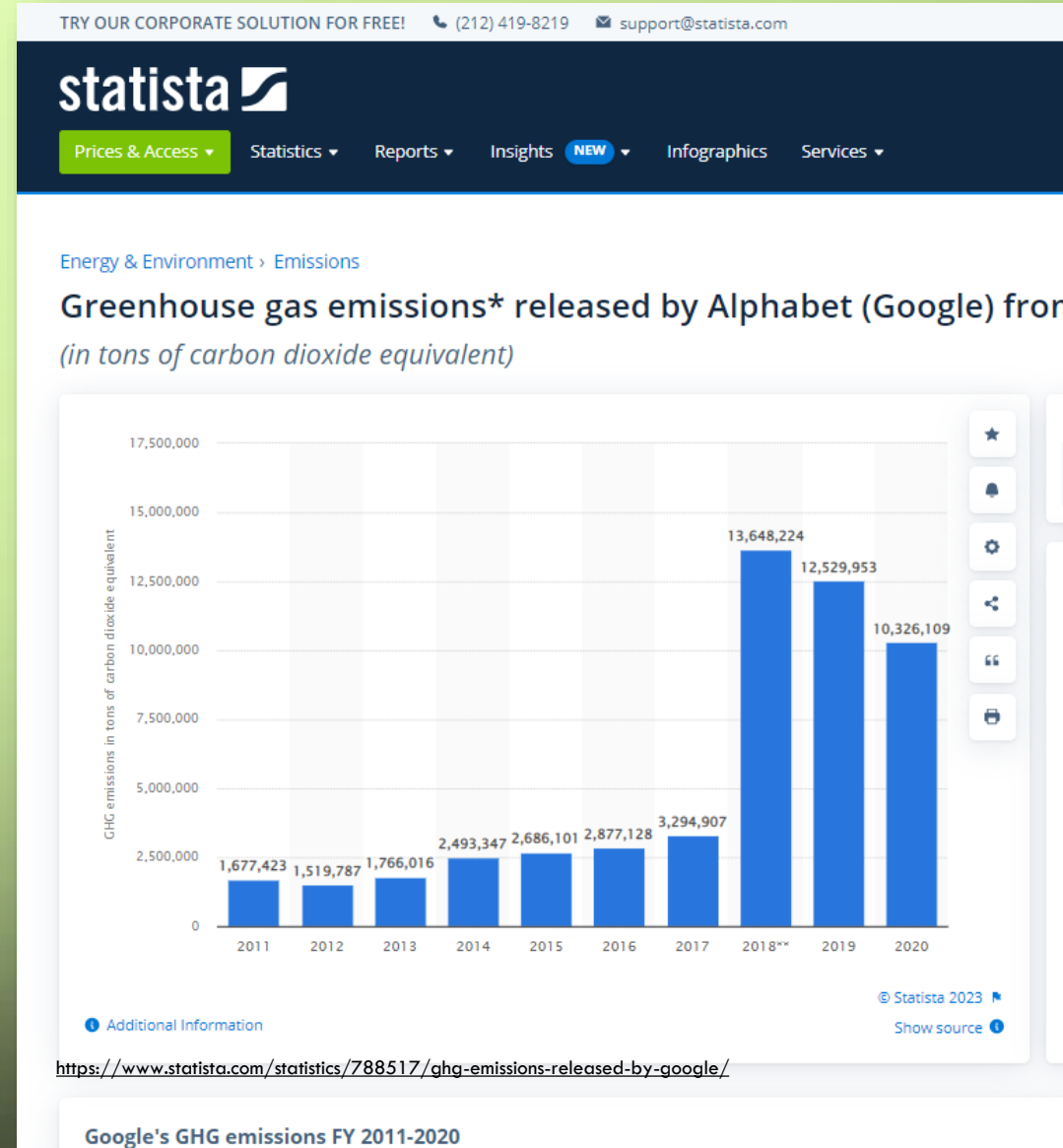
- The coronavirus pandemic conferred enormous power on certain government officials. They have no intention of giving it up.

In the space of a few weeks in early 2020, Americans witnessed the imposition of previously unimagined social controls by the biomedical security state—the unelected technocrats who suddenly enjoyed nearly absolute power to incarcerate, isolate, and medicate the entire population. In this chilling new book, a dissident scientist reveals the people and organizations that form the biomedical security state

- its role in the origin of the pandemic and shaping the government response
- why it is a threat to science, public health, and individual freedom
- what can be done to confront and defeat this new Leviathan



THE ENERGY THEY DENY YOU
WHILE CLAIMING TO 'SAVE THE
PLANET' IS WHAT THEY NEED TO
TRACK YOUR EVERY MOVE AND
PURCHASE AND YOUR
"PERSONAL CARBON FOOTPRINT"
AND
TO USE A.I. TO PREDICT YOUR
BEHAVIOR,
RUN YOUR 'SMART CITY',
POWER YOUR ROBOT DOGS,
DELIVERY DRONES, AND
ROBOT/DEEP FAKE DOCTORS.



WHAT OF THE CLIMATE EMERGENCY?



**15-MINUTE CITIES
AND 'SMART CITIES'
ARE NOT ABOUT
SAVING THE PLANET.
THEY ARE ABOUT
CONTROLLING YOU.**

November 08, 2022



Global greenhouse gas emissions and Canadian GDP



OFFICE OF THE PARLIAMENTARY BUDGET OFFICER
BUREAU DU DIRECTEUR PARLEMENTAIRE DU BUDGET

WE WILL SPEND TRILLIONS TO NOT SAVE BILLIONS – CALGARY AND OTTAWA WILL SPEND THE ALLEGED “CLIMATE” GDP

- Even the IPCC has acknowledged that future climate change will have negligible impact on GDP growth. The PBO also looked at what Canada’s GDP would look like with full Paris Accord compliance. Well, with full Paris Accord Compliance, Canada’s GDP would still be 5.8% below the do-nothing case. For the trillions of dollars Canada will spend fighting “Climate Change”, we will improve our GDP prospects by roughly \$17 billion (0.8%). – Ron Davison, P. Eng., President, Friends of Science Society

<https://climatechangeandmusic.com/parliamentary-budget-office-gdp-climate-change/>
<https://climatechangeandmusic.com/pbo-trudeaus-business-acumen/>

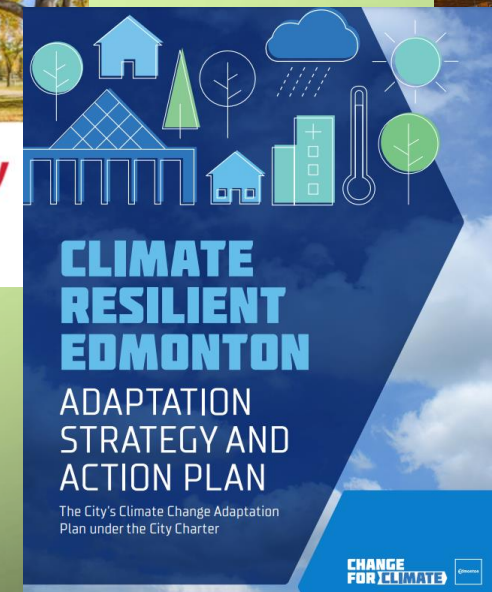
*Note – figures vary slightly between sources used by Ross McKittrick in the Financial Post story and those used by Ron Davison.

- “While the impact on Canadian GDP is from global GHG emissions, **Canada’s own emissions are not large enough to materially impact climate change.**”

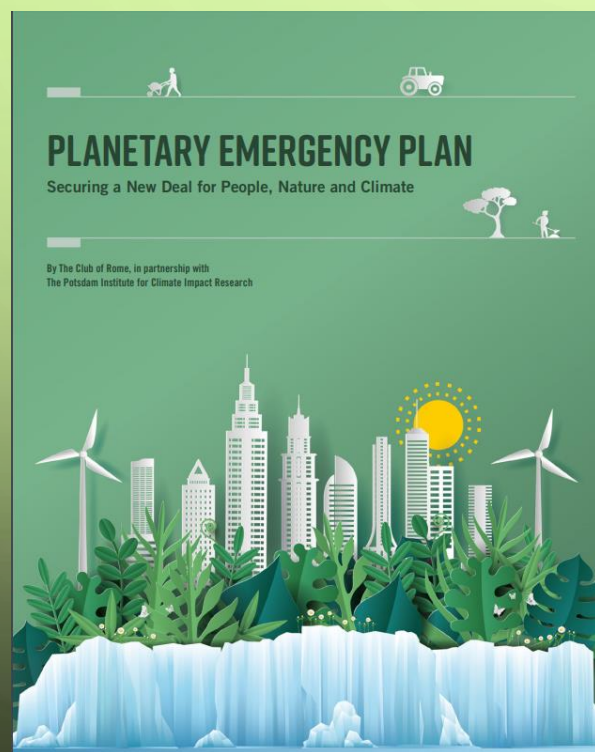
- – PBO, Nov. 8, 2022

IF CANADA’S EMISSIONS DO NOT MATERIALLY IMPACT CLIMATE CHANGE, CALGARY’S AND EDMONTON’S EMISSIONS CERTAINLY DO NOT!

<https://distribution-a617274656661637473.pbo-dpb.ca/bbc2846795c541eddc656e484a15e7ecd91bd0aff45196f231523d8c5c9aafe4>



WE NEVER VOTED FOR THE “GREEN CRONY CAPITALISTS” OF THE CLUB OF ROME TO RUN OUR LIVES OR SET OUR ENERGY POLICIES

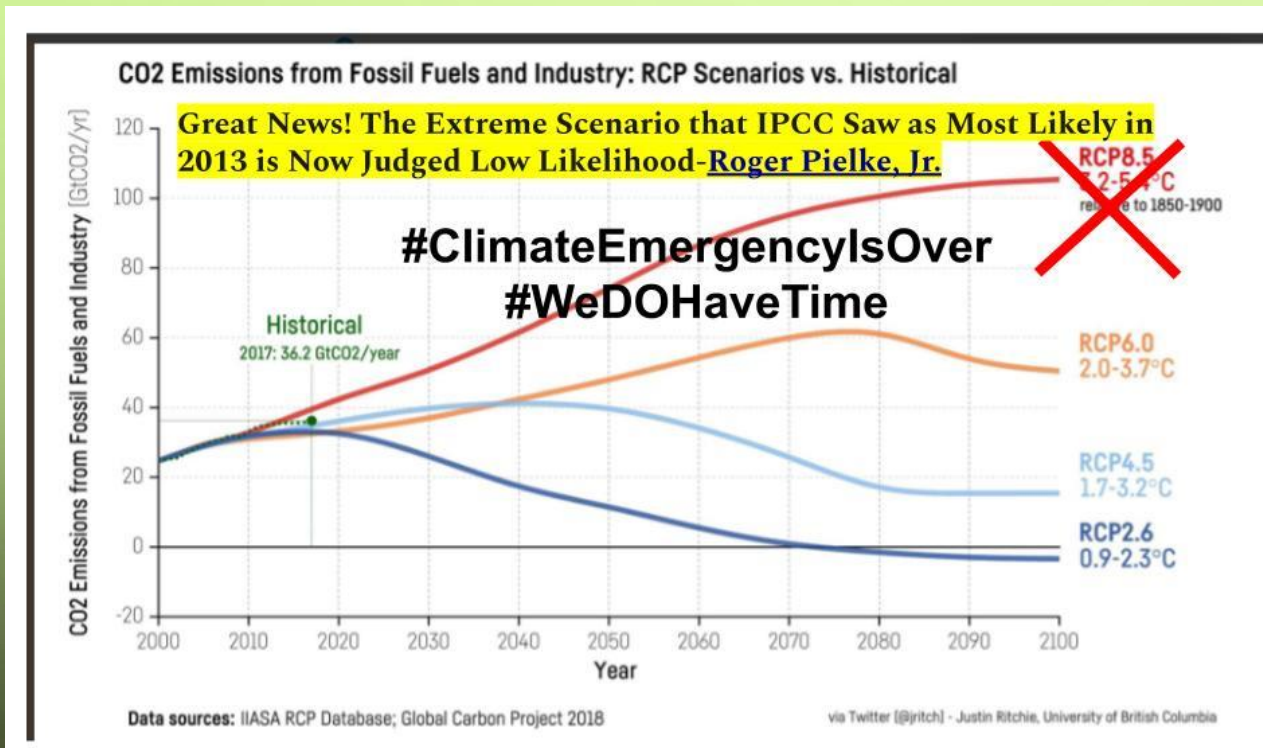


10 COMMITMENTS FOR OUR GLOBAL COMMONS



1. **By 2030, declare critical ecosystems as Global Commons** and protected areas, through a regime of stewardship and co-responsibility by the entire global human community.
2. **By 2020, set a universal global moratorium on deforestation**, using a net-zero deforestation and degradation metric and, **by 2025, triple annual investments** in forest conservation and forest landscape restoration.
3. **By 2020, sign an immediate moratorium on developing Arctic oil and gas reserves**, support withdrawal from fossil energy exploration and use and **establish a Cryosphere Preservation Plan** to protect this critical ecosystem more broadly.
4. **In 2020, significantly enhance public and private finance flows for restoration of critical ecosystems**, including by **mobilising \$200billion** for the GCF and GEF over the next decade.
5. **In 2020, halt the decline of critical and vulnerable ocean ecosystems and habitats and secure a robust New Ocean Treaty** (under UNCLOS) for the protection and sustainable use of biodiversity in areas beyond national jurisdiction, which constitute half of our planet.
6. **In 2020, launch a permanent public-private Planetary Emergency fund** for the Global Commons building upon the G7 Amazon Emergency Fund and committing the necessary capital to insure humanity against present and inevitable future crises.
7. **By 2020, ensure all sovereign wealth funds commit to defunding deforestation** and, **by 2025, halt all investments** driving continued deforestation and unsustainable land-use change of intact and irreplaceable ecosystems.
8. **By 2025, require all large publicly-listed and family-owned companies to commit to science-based targets** **shift to green investments** (climate mitigation and adaptation as well as ecosystems protections and regeneration), **disclose** using available taxonomies **and report** according to material risks from the Planetary Emergency.
9. **By 2025, halt all conversion of wetlands, grasslands and savannahs** for the production of agricultural commodities and **triple annual investments** in their effective **protection, restoration and resilience**.
10. **By 2020, introduce financial mechanisms and policy instruments** to support local farmers, foresters and indigenous people to **secure their livelihoods** and to shift to **regenerative agriculture, sustainable forestry**

THE ALLEGED “CLIMATE EMERGENCY” AROSE FROM THE MISUSE OF THE IMPLAUSIBLE SCENARIO RCP8.5



How Billionaires Tom Steyer and Michael Bloomberg Corrupted Climate Science



Roger Pielke Contributor @Energy

I research and write about science, policy and politics.



Tom Steyer, co-founder of NextGen Climate Action Committee, smiles during the Global Climate Action ... [+] © 2019 BLOOMBERG FINANCE LP

IS “CLIMATE EMERGENCY” A FINANCIAL LEVER?

IS YOUR CITY PLAYING THE CARBON MARKETS?

CASE STUDY 11 City Forest Credits - An investment model to support increased urban tree cover¹⁵⁵



Carbon credits are part of the effort to keep cities green and equitable. The non-profit carbon registry, City Forest Credits, has developed Carbon+ Credits for city forests by working with scientists, urban forest professionals and carbon industry experts to develop credit issuing standards. The standards include rules for eligibility, ownership, quantification, monitoring, verification and issuance of Carbon+ Credits that quantify not just CO₂, but stormwater reductions, air quality impacts and energy savings.

Increasing tree cover in cities not only has a quantified positive environmental impact, but also brings social and economic benefits through youth engagement, new workforces and nature enhancement in under-resourced neighbourhoods. In addition, it provides a way for the private sector to contribute to green, healthy and more equitable cities.

Carbon and sustainability leaders such as Microsoft, PayPal, Bank of America, Jonathan Rose Companies and Cloverly have purchased or funded urban forest credits and projects. Carbon programmes are now underway in 16 cities across the United States and the country's city forests provide \$18.3 billion in benefits per year. This value is expected to grow if urban areas continue to embrace City Forest Credits' funding opportunities and expand their tree cover.



<https://www.arup.com/perspectives/publications/research/action/biodivercities-by-2030-transforming-cities-relationship-with-nature>



“The carbon market is based on the lack of delivery of an invisible substance to no one”

BEHIND THE SCENES....

Climate Bonds INITIATIVE PARTNER

ABOUT STANDARD CERTIFICATION POLICY MARKETS TRANSITION FINANCE PARTNERSHIPS RESOURCES TRAINING GET CONNECTED EVENTS

Canadian climate bonds universe = C\$5.7bn, includes 3 renewable energy project bonds, 83% investment grade

Posted: Sep 25, 2013

Yesterday the Canadian supplement to the Bonds and Climate Change report was launched by Sean Kidney with a speech at the Economic Club of Canada. The supplement is published in partnership with Sustainable Prosperity.

Report Highlights:

- Canadian universe = C\$5.7bn out of a global total of \$346bn.
- Canadian bonds were issued in three themes: Transport (68% of total), Energy (28%) and Agriculture & Forestry (4%)
- The universe includes 3 Canadian renewable energy project bonds - all BBB rated
- 83% of Canadian bonds is investment grade and with bonds sizes larger than \$100m

Sustainable Prosperity is a Canadian a national research and policy network at the University of Ottawa and focused on market-based approaches to build a greener economy, provided context and analysis for the report's Canada supplement.

Alex Wood, Senior Director of Policy and Markets at Sustainable Prosperity says the issuance of the three BBB-rated investment grade project bonds in Canada indicates a new level of maturity in the market. "Up to now, the U.S. has been the major player in the project bond space, so these three issuances represent what could be the start of an important new direction for green bonds in Canada," says Wood.

The three issuances were:

- Brookfield Renewable Energy Partners' \$440 million offering for its Comber Wind farm in Essex County, Ontario.
- Enerfin Energy Company of Canada's \$243 million senior secured construction and term loan facility for its L'Érable Wind Farm project in Québec.
- First Solar Energy's \$172 million bond for its solar photovoltaic project in St. Clair, Ontario

Climate Bonds Initiative CEO, Sean Kidney noted that "Demand is strongest in the A and above investment grade, reflecting the requirements of the types of investors that are members of the USD21 trillion of institutional investors aligned with the new Global Investor Coalition on Climate Change." 83% of the Canadian bond universe is investment grade, which mirrors the global universe where 89% is investment grade.

<https://www.climatebonds.net/2013/09/canadian-climate-bonds-universe-c57bn-includes-3-renewable-energy-project-bonds-83>

Climate Bonds INITIATIVE PARTNER

Learn more about becoming a Partner
Become a Partner
See what Partners say

RBC

HSBC

SOCIETE GENERALE

Amundi
ASSET MANAGEMENT

CREDIT SUISSE

Bayern LB

BLACKROCK

citi

STATE STREET GLOBAL ADVISORS

BNP PARIBAS
ASSET MANAGEMENT
The asset manager for a changing world

Baker McKenzie

NOMURA

REFINITIV

London
Stock Exchange Group

HKEX
香港交易所

PGGM

<https://www.climatebonds.net/partnerships/our-partners>

Climate change

Climate change is the highest priority ESG issue facing investors. The PRI is working to help investors protect portfolios from risks and to expose them to opportunities in the shift to a low-carbon global economy.



Fiduciary duty in the 21st century – from a legal case to regu... Watch later Share

Principles for Responsible Investment & UNEP FINANCE INITIATIVE

WITH FINANCIAL SUPPORT OF THE GENERATION FOUNDATION

Fiduciary duty in the 21st century – from a legal case to regulatory clarification around ESG

Fiduciary Duty in the 21st Century, a collaboration between the PRI and UNEP FI with generous financial support from The Generation Foundation, contributes an extensive evidence base to end the debate on whether fiduciary duty is a legitimate barrier to

f t in e

NOW PLAYING

Fiduciary duty in the 21st century – from a legal case to regulatory clarification around ESG

Al Gore introduces Fiduciary Duty in the 21st century

Al Gore @algore

Another huge win in our fight to #StopKM. Our voices are being heard. The grassroots climate movement in Canada is making a difference!

Court quashes Canadian approval of Trans Mountain oil pipeline
reuters.com

WHAT ARE THE SIX PRINCIPLES FOR RESPONSIBLE INVESTMENT?

The six Principles for Responsible Investment are a voluntary and aspirational set of investment principles that offer a menu of possible actions for incorporating ESG issues into investment practice.

The Principles were developed by investors, for investors. In implementing them, signatories contribute to developing a more sustainable global financial system. They have more than 1,800 signatories, from over 50 countries, representing approximately US\$70 trillion.

PRINCIPLE 1

WE WILL INCORPORATE ESG ISSUES INTO INVESTMENT ANALYSIS AND DECISION-MAKING PROCESSES.

PRINCIPLE 3

WE WILL SEEK APPROPRIATE DISCLOSURE ON ESG ISSUES BY THE ENTITIES IN WHICH WE INVEST.

PRINCIPLE 5

WE WILL WORK TOGETHER TO ENHANCE OUR EFFECTIVENESS IN IMPLEMENTING THE PRINCIPLES.

PRINCIPLE 2

WE WILL BE ACTIVE OWNERS AND INCORPORATE ESG ISSUES INTO OUR OWNERSHIP POLICIES AND PRACTICES.

PRINCIPLE 4

WE WILL PROMOTE ACCEPTANCE AND IMPLEMENTATION OF THE PRINCIPLES WITHIN THE INVESTMENT INDUSTRY.

PRINCIPLE 6

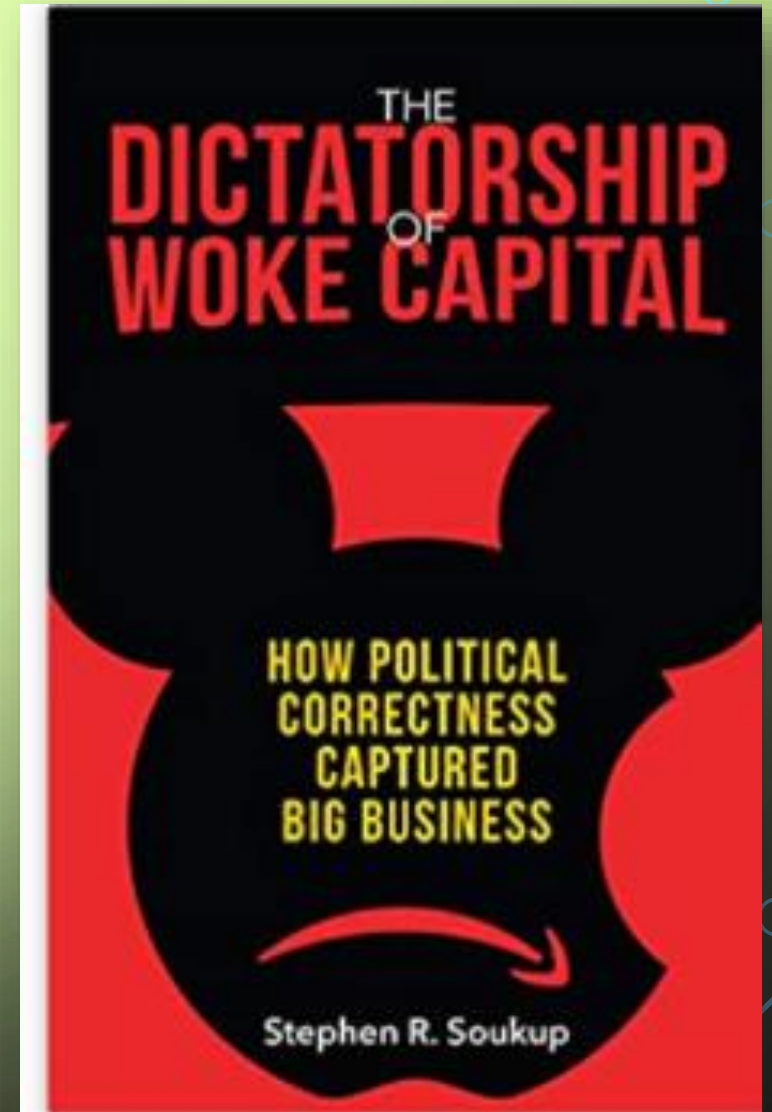
WE WILL EACH REPORT ON OUR ACTIVITIES AND PROGRESS TOWARDS IMPLEMENTING THE PRINCIPLES.

AL GORE. AT THE FOREFRONT OF ESG.

What we do

Since its founding in 2004, Generation has played a pioneering role in the development of sustainable and environmental, social and governance (ESG) investing.

Our firm



ESG = TOTALITARIANISM AND SOCIAL CREDIT SOCIETY

Tax subsidized
McConnell
Foundation put
\$10 million into
Black Rock

McConnell

**BlackRock Global Renewable
Power Fund II**

The fund invests a portfolio of renewable power assets, primarily focused on wind and solar in OECD countries. It is an opportunity to participate in the transition to a lower carbon economy.

← Tweet

 **State Financial Officers Foundation** ✓
@SFOF_States

VIDEO: @blackrock's #LarryFink: "Markets don't like uncertainty. Markets like totalitarian governments." His solution to this "problem" is to control funds and economies with "stakeholders" like the UN and China's CCP. Larry is ushering in the #ChineseESGAgenda

twitter.com/ConceptualJame...



From **James Lindsay, most badass intellectual**

8:45 AM · Feb 15, 2023 · 4,667 Views

19 Retweets 3 Quote Tweets 30 Likes

Pension Plans

AIMCo acts as an investment manager for the following public sector pension plans:



ATRF Alberta Teachers' Retirement Fund (ATRF)

Alberta Teachers' Retirement Fund Board administers the Teachers' Pension Plan for all Alberta teachers in school jurisdictions and charter schools and the Private School Teachers' Pension Plan for Alberta private school teachers who have elected to join the Plan.

Learn more at atrf.com

LAPP Local Authorities Pension Plan (LAPP)

LAPP members are employees of local authorities in Alberta including cities, towns, villages, municipal districts, hospitals, colleges, school boards and many other public service organizations. LAPP is the largest public sector pension plan in Alberta and our largest client.

Learn more at lapp.ca.

MEPP Management Employees Pension Plan (MEPP)

MEPP serves management-level employees of the Alberta provincial public service, approved agencies, boards and commissions.

Learn more at mepp.ca.

MSRP Management Supplementary Retirement (MSRP)

MSRP provides additional pension benefits to public service managers of designated employers who participate in MEPP and with an annual salary that exceeds the salary cap derived from the Defined Benefit Limit set under the federal Income Tax Act.

JUDGES Provincial Judges & Masters in Chambers Registered Pension Plan (JUDGES)

The plan serves provincial court judges appointed under the Provincial Court Act and masters in chambers appointed under the Court of Queen's Bench Act.

Learn more at jpp.apsc.ca.

JSRP Provincial Judges & Masters in Chambers Unregistered Pension Plan (JSRP)

JSRP provides additional pension benefits to JUDG members beyond the amount allowed for registered pension plans under the federal Income Tax Act.

Learn more at jpp.apsc.ca.

<https://www.aimco.ca/who-we-are/our-clients>



PSPP Public Service Pension Plan (PSPP)

PSPP provides retirement benefits to employees of the Government of Alberta, universities, colleges, provincial corporations and government boards, agencies and commissions.

Learn more at pspp.ca.

SFPP Special Forces Pension Plan (SFPP)

SFPP provides retirement benefits for police officers, chiefs and deputy chiefs of municipalities in Alberta, including Calgary, Edmonton, Lethbridge, Medicine Hat, Camrose, Lacombe and Taber.

Learn more at sfpp.ca.

UAPP Universities Academic Pension Plan (UAPP)

UAPP serves the academic and professional staff of Alberta universities and Banff Centre.

Learn more at uapp.ca.

Endowment Funds

AIMCo manages a number of endowment funds including the Alberta Heritage Savings Trust Fund and funds for medical research, scholarships, science and engineering and more.

Special Purpose Government Funds

AIMCo manages the assets of a number of Special Purpose Government Funds, primarily on behalf of provincial arms-length organizations, including the Agriculture Financial Services Corporation, Workers Compensation Board, Credit Union Deposit Guarantee Corporation and others.

Short-term Government Funds

AIMCo manages key government accounts used to fund the ongoing operations of the province. These funds are invested in fixed income products for stability and preservation of capital.

<https://www.aimco.ca/who-we-are/our-clients>

UNDER THE NOTLEY GOVERNMENT ALBERTA REPORTED TO THE UNPRI

The screenshot shows the UNPRI website interface. At the top, there is a navigation bar with the UNPRI logo and links for ABOUT, EXPLORE, COLLABORATE, REPORT, NETWORKS, ACADEMY, PARTNERSHIPS, JOIN PRI, NEWS, CONTACT, and LOGIN. Below the navigation bar, the event title "Alberta's Climate Change Policy Plan: Progress Update and Investor Feedback" is displayed. A banner image features a young green plant growing in a hole in the ground, with a text box that reads "PRI presents: ALBERTA'S CLIMATE CHANGE POLICY PLAN". To the right of the banner, there are several interactive elements: an "Organiser" field showing "PRI", a "When" field showing "14 Dec 2016 04:00 PM - 05:00 PM (GMT)", a "Social Stream" input field with a "Subscribe" button, and a "Participate on Twitter" section with a "Use this tag #PRI" button. Below the banner, the main text of the event page is visible, starting with "In September 2015 institutional investors with more than \$4.6 trillion in assets under management sent a letter to the Alberta government supporting the government's efforts to create a robust and credible climate change strategy." A "REGISTER HERE" button is located below the text. At the bottom, there is a "Speakers" list and a footer section with logos for Sustainable Development Goals 7 and 13.

UNPRI

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All Events / Alberta's Climate Change Policy Plan: Progress Update and Investor Feedback

Alberta's Climate Change Policy Plan: Progress Update and Investor Feedback

Organiser
PRI

When
14 Dec 2016 04:00 PM - 05:00 PM (GMT)

Social Stream
your email... [Subscribe](#)

Participate on Twitter
Find out what people see and say about this event, and join the conversation.
Use this tag [#PRI](#)

PRI presents:
ALBERTA'S CLIMATE CHANGE POLICY PLAN

In September 2015 institutional investors with more than \$4.6 trillion in assets under management sent a letter to the Alberta government supporting the government's efforts to create a robust and credible climate change strategy.

Canadian investors behind the letter, in conjunction with the PRI, would like to invite you to hear from **Alberta's Minister of Environment and Parks and Minister Responsible for the Climate Change Office, Shannon Phillips**, as she walks investors through the government's progress in implementing its Climate Leadership Plan.

As you may be aware, the province has moved forward with many key aspects of its climate change plan, laying the framework for province-wide carbon pricing, an emissions cap for oil sands production, phasing out coal-powered electricity and incenting the growth of renewable energy in the province. This webinar will be a unique chance to hear first-hand about the successes and remaining challenges from the Minister responsible for implementation directly. We also anticipate hearing from representatives of the Ministry of Finance and the Ministry of Energy.

The webinar will be held on **December 14th, 8am PST / 11 am EST / 4pm GMT.**

The province is very keen to hear from investors in regard to what their key questions and concerns are in relation to climate policy in Alberta. Note that it is a very critical time in the implementation of the province's climate plan, with significant headwinds for climate policy developing in North America as a result of the recent election results in the US. It is extremely important for governments who are taking the lead in developing credible climate policies to know that investors support the certainty that strong climate policy provides and are actively searching for the opportunities that will spring from the energy transition.

If you are interested in a particular aspect of Alberta's climate change plan, please forward any specific questions you have for the Minister to [Jamie Bonham](#) or [Kevin Thomas](#), as the presentation is explicitly aimed at addressing investor questions and interests.

[REGISTER HERE](#)

Speakers:

- Shannon Phillips, Alberta's Minister of Environment and Parks and Minister Responsible for the Climate Change Office
- Representative from the Ministry of Finance and/or Ministry of Energy (TBC)
- Alison Schneider, Director, Responsible Investment, Alberta Investment Management Corporation
- Jamie Bonham, NEI Investments and Kevin Thomas, SHARE (moderating)
- Nalini Feuilkokey, PRI (introduction and welcome)

This webinar links to the UN's Sustainable Development Goals Number 7: Affordable and Clean Energy & 13: Climate Action

SUSTAINABLE DEVELOPMENT GOALS

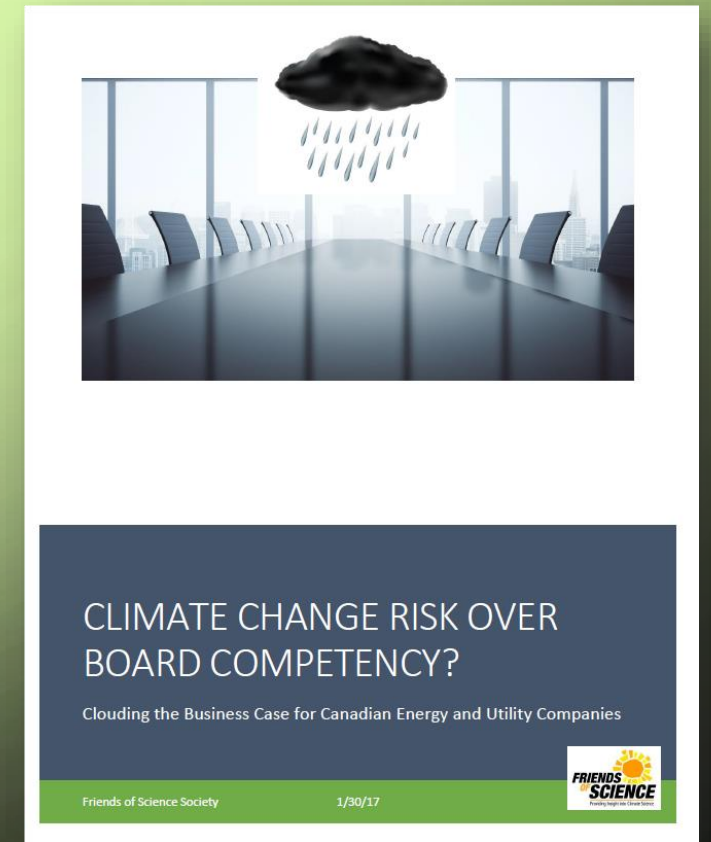
PLEASE READ OUR REPORTS



<https://blog.friendsofscience.org/wp-content/uploads/2016/04/undue-influence-markets-skewed-april-5-2016-final-ic-bl.pdf>



<https://blog.friendsofscience.org/2017/02/01/new-reports-challenge-share-on-climate-change-risk-and-denial-for-pension-fund-trustees-and-corporate-boards/>



CITIES WILL
NEVER
REACH NET
ZERO.
AND THERE'S
NO NEED
TO!





Edm Mayor Office

@YEGMayorOffice

Follow



Cold but invigorating! Mayor [@doniveson](#) biked to work this morning. Happy International [#WinterBikeToWorkDay](#).  
[#yegcc](#) [#yegwx](#) [#yegbike](#)

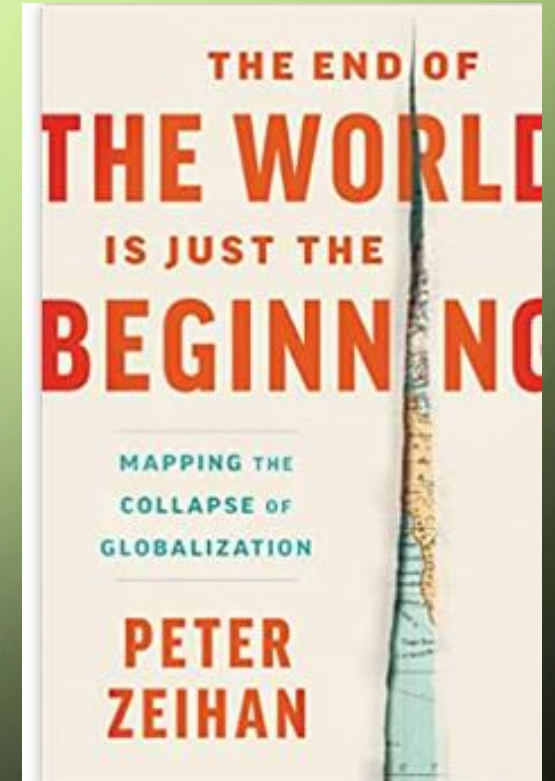
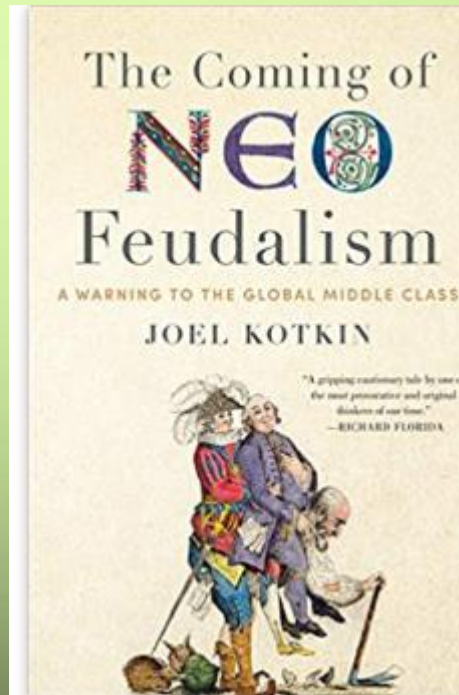
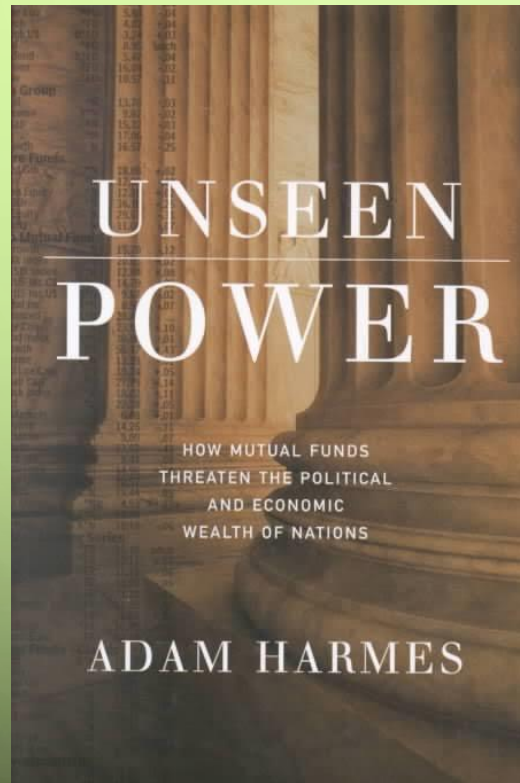
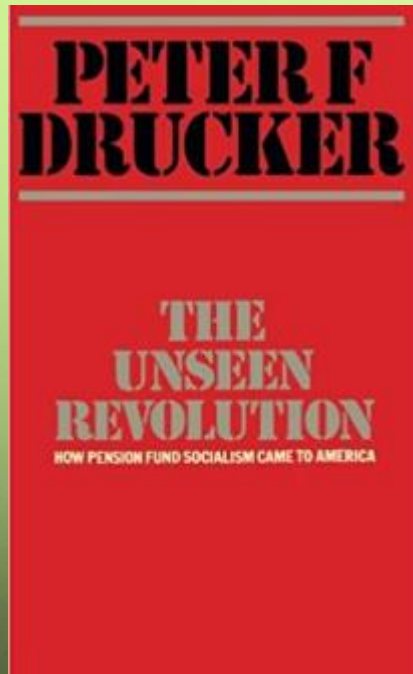


9:30 AM - 9 Feb 2018 from [Edmonton City Hall](#)

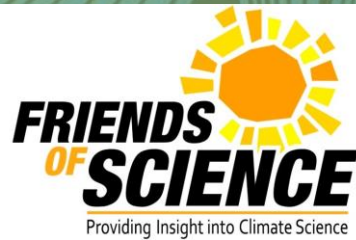
46 Retweets 269 Likes



RECOMMENDED READING



THE REAL RISK OF CLIMATE
CHANGE IS COOLING.



COLLAPSE OF GLOBALIZATION. REDUCTION OF FOSSIL FUEL OUTPUT. RISK OF A NEW LITTLE ICE AGE



Evidence-Based Climate Science (Second Edition)

Data Opposing CO2 Emissions as the Primary Source of Global Warming

2016, Pages 307-328



Chapter 17 - The New Little Ice Age Has Started

H.I. Abdussamatov

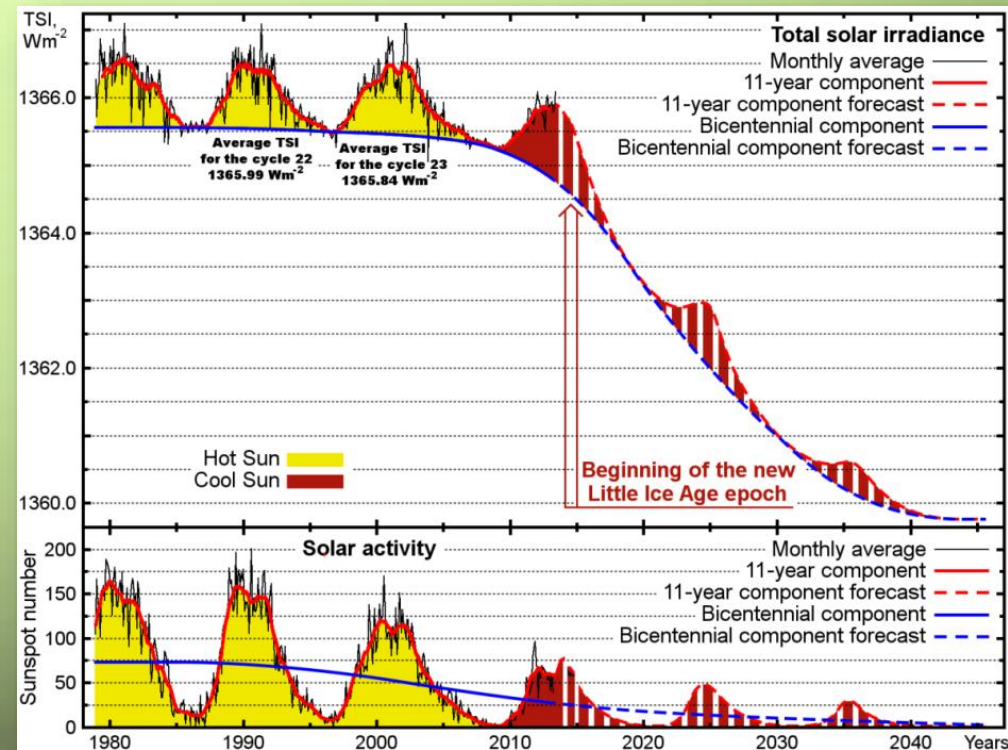
Show more

<https://doi.org/10.1016/B978-0-12-804588-6.00017-3>

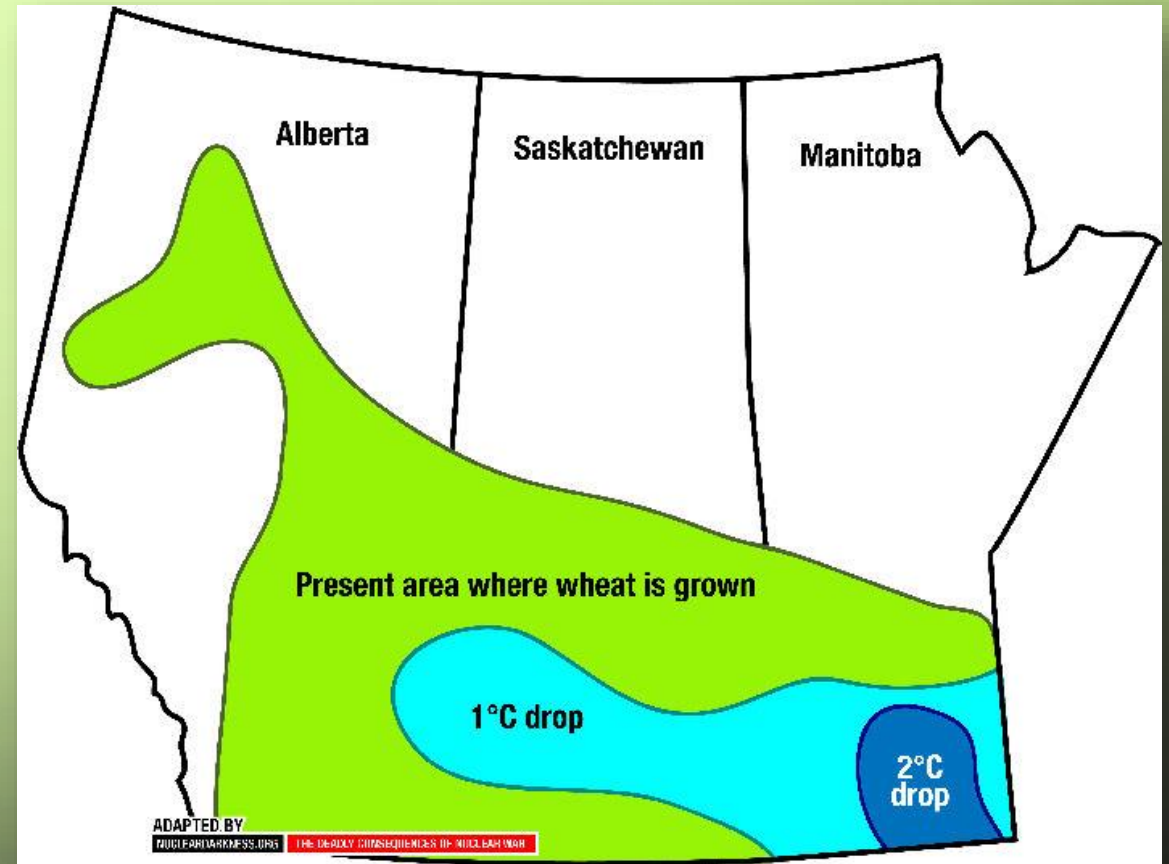
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Abstract

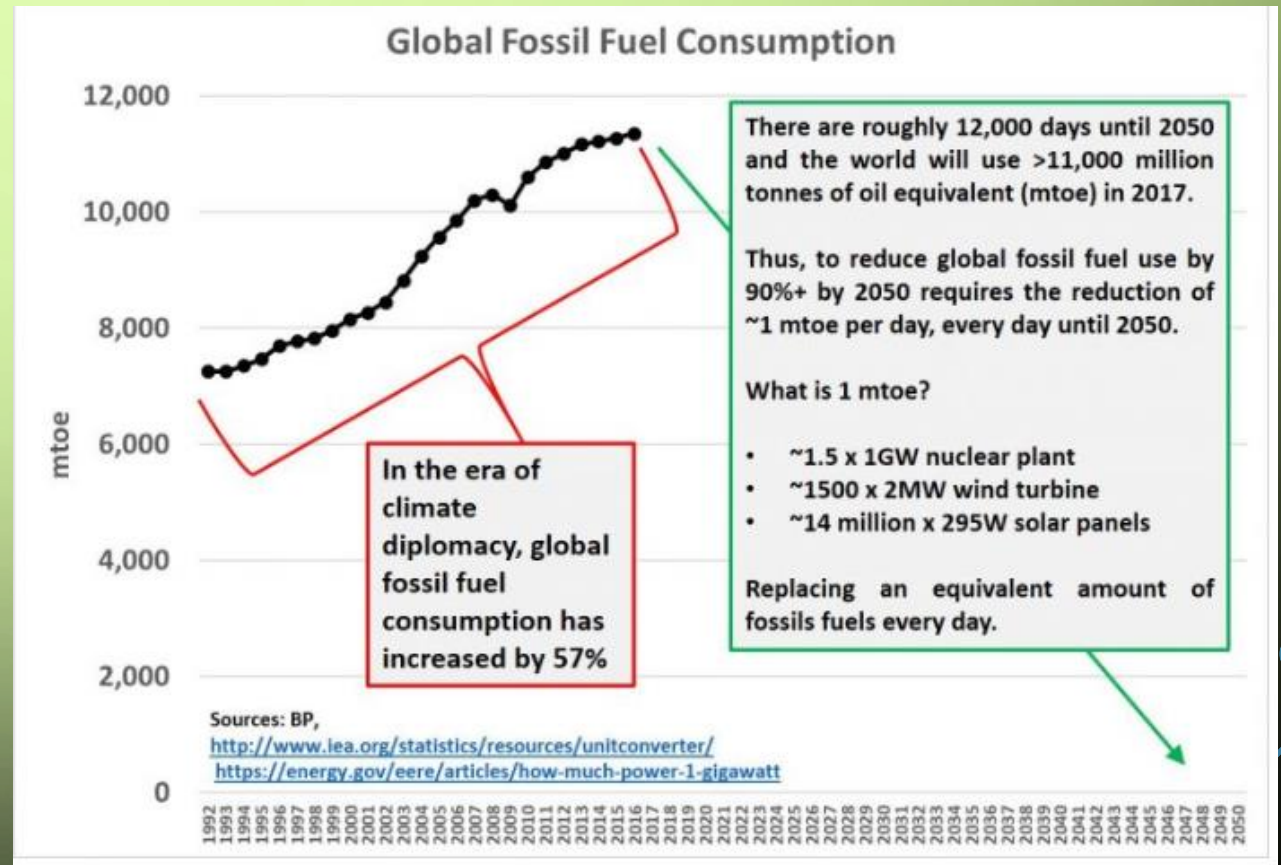
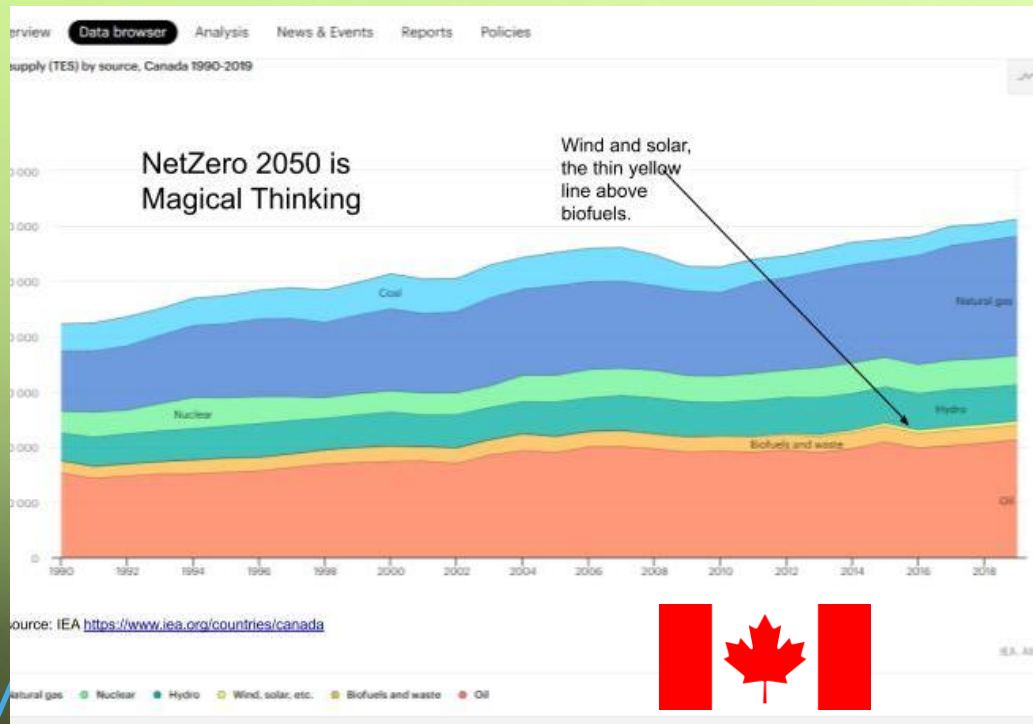
Since 1990, the Sun has been in the declining phase of the quasi-bicentennial variation in total solar irradiance (TSI). The decrease in the portion of TSI absorbed by the Earth since 1990 has remained uncompensated by the Earth's **long-wave radiation** into space at the previous high level because of the thermal inertia of the world's oceans. As a result, the Earth has, and will continue to have, a negative average annual energy balance and a long-term adverse thermal condition. The quasi-centennial epoch of the new **Little Ice Age** has started at the end 2015 after the maximum phase of solar cycle 24. The start of a solar grand minimum is anticipated in solar cycle 27 ± 1 in 2043 ± 11 and the beginning of phase of deep cooling in the new Little Ice Age in 2060 ± 11 . The gradual weakening of the **Gulf Stream** leads to stronger cooling in the zone of its action in western Europe and the eastern parts of the United States and Canada. Quasi-bicentennial cyclic variations of TSI together with successive very important influences of the causal feedback effects are the main fundamental causes of corresponding alternations in climate variation from warming to the Little Ice Age.



COOLING AND FERTILIZER SHORTAGES – IMPOSED OR DUE TO MARKET CONDITIONS – WILL CREATE FOOD SHORTAGES



NOTHING RATIONAL OR “JUST” ABOUT THE PROPOSED TRANSITION



NOTHING POSSIBLE ABOUT NETZERO “TRANSITION”

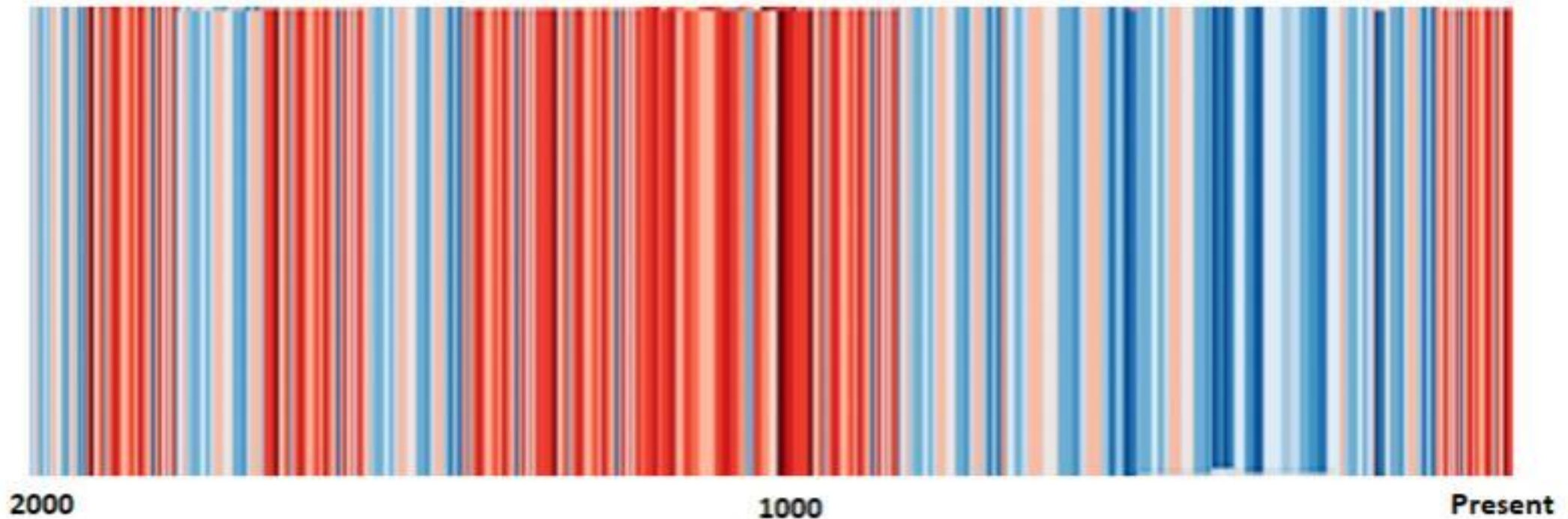


<https://blog.friendsofscience.org/2022/11/28/the-pursuit-of-the-impossible-materials-constraints-and-realities-for-the-net-zero-utopia/>

Metal	Element	Total metal required produce one generation of technology units to phase out fossil fuels (tonnes)	Global Metal Production 2019 (tonnes)	Years to produce metal at 2019 rates of production (years)
Copper	Cu	4 575 523 674	24 200 000	189,1
Nickel	Ni	940 578 114	2 350 142	400,2
Lithium	Li	944 150 293	95 170 *	9920,7
Cobalt	Co	218 396 990	126 019	1733,0
Graphite (natural flake)	C	8 973 640 257	1 156 300 ♦	3287,9
Graphite (synthetic)	C		1 573 000 ♦	-
Silicon (Metallurgical)	Si	49 571 460	8 410 000	5,9
Vanadium	V	681 865 986	96 021 *	7101,2
Rare Earth Metals				
Neodymium	Nd	965 183	23 900	40,4
Germanium	Ge	4 163 162	143	29113,0
Lanthanum	La	5 970 738	35 800	166,8
Praseodymium	Pr	235 387	7 500	31,4
Dysprosium	Dy	196 207	1 000	196,2
Terbium	Tb	16 771	280	59,9

https://tupa.gtk.fi/raportti/arkisto/42_2021.pdf

Climate Change is Cyclical.

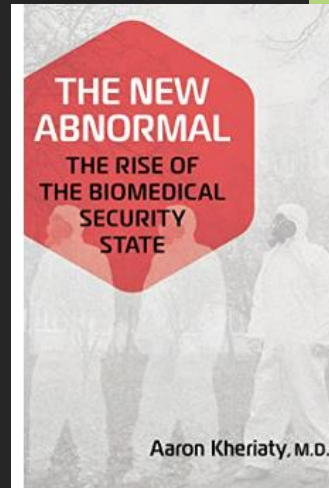


Stripes by Dr. Roy Spencer

It's not you. It's not CO2.

THE NEW ABNORMAL – “BUILD BACK BETTER.”

THE RISKS.



- 15-minute cities is a concept developed by Europeans, which may have some benefit for their high-density cities in temperate areas
- 15-minute cities **claim** to provide convenience and inclusion, but they *take away your freedom of movement* by car and will decimate downtown office infrastructure
- COVID crashed our personal neural maps, our small and medium sized businesses, our office work culture
- It seems there was an intention to do this to facilitate the 4th Industrial Revolution where Big Tech runs your:
 - Smart City/Neighbourhood
 - Digital currency instead of cash
 - No cars – on demand transit or drone delivery (just like WEF video “You’ll own nothing”)
 - Personal carbon ration imposed and social credit society

COVID CRASHED OUR PERSONAL NEURAL MAPS

- COVID crashed our personal neural maps, our small and medium sized businesses, our office work culture
- **People create neural maps of where they are and how they navigate daily life.**
- **COVID crashed those.**
- **Many people feel lost and insecure.**
- **The 'lure' of 15-minute cities and digital services/currency is the 'convenience' and the 'cocoon' of being cared for in a time of uncertainty, separation, abandonment (by some), and alienation from many loved ones and places.**
- **Be here now. Something is not right. Recognize it.**



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We invite you to explore with us our Climate Essay to review some of the context behind that alarm, the objective facts and the motivators which have transformed this scientific topic into a political one.

Climate Change 101 also provides similar context but with a less scientific style.

The Library is a repository of all we have on Climate and it's designed for everyone to easily find what they need.

CLIMATE ESSAY

CLIMATE CHANGE 101

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Climate Change Facts

Politics doesn't have to take the driver's seat on this issue. We have compiled materials for everyone, bringing together thousands of peer reviewed journal articles, essays, books, charts, links, videos and presentations for you to explore and discover new aspects of these issues.

BLOG

REPORTS

Thank
YOU
FOR YOUR SUPPORT

