CLIMATIC CATASTROPHE & THE GREEN ENERGY REVOLUTION>



Dr. Eddy Lee

香港開埠以來首次: 全球氣候大遊行 **GLOBAL CLIMATE MARCH** 2015年11月29日 https:// www.youtube.com/ watch? v=raFnSNixCk8







India Heat Wave May 2015 Death Toll: > 2,500

Heat Wave in Europe June 2015 Max. in Paris: 39.7 C Max. in London: 36.7 C



World Weather | EUROPE HEAT WAVE





TUESDAY 16.6C-36.4C WEDNESDAY 18.8C-43.4C THURSDAY 25.7C-44.3C

39.5 41.2 42.3 43.2 43.3

36.4

31.3

27.2 26.3 25.8 28.1

5am 6am 7am 8am 9am 10am 11am NOON 1pm 2pm 3pm 4pm 5pm 6pm 7pm 8pm 9pm 10pm 11pm 12am

Departure of Temperature from Average for Two Great Heat Waves August 2003 July 2010 NDAA/DSRL Physical Sciences Division NDAA/ESRL Physical Sciences Division 631 63N 633 60N 00 63N 57N 6QN 54N S 38C 571 51N-Moscow • 54N 48N 51N 45N-48N 42N 45N 39N 42N 36N 18E 205 108 1ÓE XÈE 3SE 4DE 458 20E 20E SÓE 16 °F 12 8 °C 6 8 2 n

KILLER SCORCHERS

		Year	Estimated deaths
1	Europe	2003	71,310
2	Russia	2010	55,736
3	Europe	2006	3,418
4	India	1998	2,541
5	India	2015	2,000+
6	US, Canada	1936	1,693
7	US	1980	1,260
8	India	2003	1,210
9	India	2002	1,030
10	Greece, Turkey	1987	1,030
Source: EM-DAT, CERD, Brussels			

And then the Wild Fires...





Canada Wildfires - June 30, 2015 (Greater Than 2500 Hectares)



for the specified date. Due to different update schedules of the various agencies, fire information on the map may not reflect the current fire situation and is subject to change.

Please contact the appropriate provincial or territorial agency source for additional fire information.

HWF248 HWF217 HWF151
HWF111 HWF127 MWF101
EWF054 HWF204 LWF161
HWF219 HWF157 LWF126
HWF237 HWF229 LWF122

Fire information displayed on this map is provided by the following agencies. Alberta Forest Protection Division British Columbia Ministry of Forests and Range, Wildfire Management Branch Manitoba Conservation Northwest Territories Forest Management Division, ENR

Ontario Ministry of Natural Resources Parks Canada Saskatchewan Environment

Yukon Territory Wildland Fire Management



And paradoxically, also killer cold spell and blizzards.....



CURRENT

AccuWeather.com

POLAR

TRE RLAST

101031-012629034

THE POLAR VORTEX HOW IT IS AFFECTING THE WEATHER IN THE US

The polar vortex is cold dense air high in the atmosphere normally centred around the polar region.



USUAL POLAR JET FLOW

The polar vortex is **usually held in place** by the **jet stream**. A strong fast-flowing, narrow air current high above the Earth that divides cold air from warm air.



THIS WEEK'S POLAR JET FLOW

In the US this week a **high pressure system** from the west **has pushed** the polar vortex **much further south** than normal. This has brought temperatures crashing down to -50C wind chill.

Bitter Cold

-55°C

Global





BUT the fact remains....

Where Has All the Ice Gone?



The Disappearing Arctic Sea Ice.....



Arctic Sea Ice

6.70 million square kilometers (2.59 million square miles) Alaska (U.S.A)

2012

3.41 million square kilometers (1.32 million square miles) Alaska (U.S.A)

Canada

Arctic Sea Ice: Record Low Maximum

16 (Million Square Kilometers)



Area of Ocean with at Least 15% Ice. Source: National Snow and Ice Data Center

CLIMATE CO CENTRAL

Multi-Year Arctic Sea Ice Area



THE DISAPPEARING GLACIERS...











Muir Glacier, Alaska: August 13, 1941 and August 31, 2004



climate365.tumblr.com | go.nasa.gov/climate365



Columbia Glacier, Alaska

www.ExtremelceSurvey.org © 2009 James Balog

CIS

February 17, 1993.

February 21, 2000

非洲第一高峰: 乞力馬扎羅山

The Melting Snows of Kilimanjaro

1912



Glaciers ice --- Estimated line

2002



Sources: Meeting of the American Association for the Advancement of Science (AAAS), February 2001 ; Earthobservatory.nasa.gov.

The unexpected rapid melting of Greenland ice-cover

Greenland Surface Melt



Source: ADA, 2004 and CIRES, 2005;

-

Satellites reveal sudden Greenland ice melt

COMMENTS (720)



The first image shows Greenland's ice sheet on 8 July, the second, taken four days later, shows the

If all the ice over Greenland melts, the global sea-level will rise by 7 meters!

IMPOSSIBLE?









Antarctica!

But dwarfing Greenland is...

ANTARCTICA ICE LOSS

East Antarctica's ice started to melt faster from 2006, which could cause sea levels to rise sooner than anticipated, according to a study by scientists at the University of Texas



What's happening to this ice sheet?

The Totten Glacier is melting fast. That is a problem because the glacier holds back a vast catchment of ice. If its more vulnerable portions were to flow into the ocean, it could produce a sea-level rise of more than 11 feet.



SOURCE: NATURE GEOSCIENCE

THE WASHINGTON POST


If the WAIS melts, it will rise global sea level by 23 meters!

TENHOTTEST YEARS All Since 1998





2003 (not shown) tied with 2006, 2007. Columns represent difference from 20th century average. Data as of January 20, 2016. Subject to change based on NCEI revisions. Source: NOAA/NCEI

香港六月平均溫度變化(1884-2015)



Warming trend

Last month was the hottest July on record, nearly 1.5 degrees above average July temperatures in the 20th century.

July temperatures compared to 20th century global average:





Monthly Mean Global Surface Temperature





Short-term Variations Versus Long-term Trend



"The idea that manmade gases, CO2, are causing catastrophic global warming is the greatest hoax ever perpetrated on the American people." This is the incoming chairman of the Senate Committee on Environment and Public Works SENATOR JAMES INHOFE (R-OK)



HERE ARE HIS THOUGHTS ON CLIMATE CHANGE:

"The claim that global warming is caused by manmade emissions is simply untrue and not based on sound science. CO2 does not actually cause catastrophic disasters. Actually, it would be beneficial to our environment and the economy."

"With all the hysteria, all the fear, all the phony science, could it be that manmade global warming is the greatest hoax ever perpetrated on the American people? I believe it is."

"God's still up there. The arrogance of people to think that we, human beings, would be able to change what He is doing in the climate is to me outrageous."

"To my knowledge, nobody has uttered the term 'global warming' since 2009. It's been completely refuted in most areas."

"Thus far, no one has seriously demonstrated any scientific proof that increased global temperatures would lead to the catastrophes predicted by alarmists."

RingOfFireRadio.co



Gallup Poll: 42% Of Americans Feel The Media Exaggerates Global Warming





Problems US Worry Great Deal About, 2014



The economy Federal spending and the budget deficit The availability and affordability of health care Unemployment The size and power of the federal government The Social Security system Hunger and homelessness Crime and violence The possibility of future terrorist attacks in the U.S. The availability and affordability of energy Drug use Illegal immigration The quality of the environment Climate change Race relations

facebook.com/bjornlomborg





The Driving Force of Global Warming:

Human-Enhanced Greenhouse Effect

Natural Greenhouse Effect

Human Enhanced Greenhouse Effect



-18 C +14 C +14 C +15 C +16 C +

Carbon Dioxide on the Rise





Source: Scripps Institution of Oceanography, La Jolla, CA





CO₂ concentration (ppm)



GLOBAL WARMING AT HIROSHIMA ATOMIC BOMBS PER SECOND

GET THE WIDGET FOR BLOGS

UNDERSTAND THE SCIENCE

USE THE FACEBOOK APP

Our climate is absorbing a lot of heat. When scientists add up all of the heat warming the oceans, land, and atmosphere and melting the ice, they find our climate is accumulating 4 Hiroshima atomic bombs worth of heat every second.

This warming is due to more heat-trapping greenhouse gases in the atmosphere. The burning of fossil fuels means we are emitting billions of tonnes of carbon dioxide every year. This is the main contributor to global warming.

To communicate the sheer amount of heat our planet is accumulating, we have created this widget, embeddable on blogs and also available as a Facebook app. To help get the word out on just how much global warming our planet is experiencing, add the widget to your own blog or use the widget on Facebook, like it and share it.

GET THE WIDGET FOR YOUR BLOG USE THE Facebook App



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THE PERMAFROST TIMEBOMB...

Subsea Permafrost Relict Permafrost Continuous Permafrost (>90%) Discontinuous Permafrost (50-90%) Sporadic Permafrost (10-50%) Isolated Permafrost (<10%)

NSIDC.

Image © 2007 NASA Image © 2007 TerraMetrics

