

Global Energy Policy Research | GEPR

GEPR
http://agorajp.com/

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?? ? · Wednesday, November 1st, 2023



Kirillm/iStock

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1. Introduction
The purpose of this report is to provide a comprehensive overview of the current state of the global energy market and the challenges it faces in the context of climate change and the transition to a sustainable energy system.

2. Global Energy Market Overview
The global energy market is characterized by a diverse mix of fossil fuels, nuclear power, and renewable energy sources. In 1973, the oil crisis significantly impacted the market, leading to a period of energy scarcity and price volatility.

3. Energy Security and Geopolitics
Energy security remains a critical concern for many nations, particularly in the wake of the 1970 oil crisis. Geopolitical tensions and the concentration of energy resources in certain regions continue to influence market dynamics.

4. The Role of International Energy Agencies
International Energy Agencies (IEA) play a vital role in monitoring global energy trends and providing data and analysis. The IEA's 12 member countries work together to address energy issues and promote sustainable development.

5. Renewable Energy and the Future
Renewable energy sources, such as solar, wind, and hydro, have gained significant momentum since the 1970s. The transition to a low-carbon energy system is essential to mitigate the impacts of climate change.

6. Key Challenges and Opportunities

IEA's analysis highlights the need for increased investment in research and development for next-generation technologies. The 3rd and 11th IEA World Energy Outlook (WEO) reports, published in 1970, provide valuable insights into the long-term energy outlook.

The IEA's 2022 World Energy Outlook (WEO) emphasizes the importance of accelerating the deployment of renewable energy and improving energy efficiency. CO2 emissions remain a key focus area for policy makers.

The 11th COP28 conference in Dubai, UAE, in 2023, was a landmark event in the history of climate change negotiations. It resulted in the adoption of the UAE Climate Change Action Plan, which sets a clear path for global climate action.

COP28 in UAE, 9th COP28, and the 11th COP28 are significant milestones in the global climate action agenda. The COP28 Action Plan provides a blueprint for a just and equitable energy transition.

The COP28 Action Plan is a landmark agreement that sets a clear path for global climate action. It includes commitments to reduce emissions, increase renewable energy, and improve energy efficiency.

7. Conclusion

The global energy market is undergoing a profound transformation. The 1990s saw the rise of renewable energy and the decline of fossil fuels. The 2020s are expected to see continued growth in renewable energy and a significant reduction in fossil fuel use.

The transition to a sustainable energy system is essential for a secure and prosperous future. The global energy market must embrace innovation and collaboration to meet the challenges ahead.

The 1.5°C target is a critical goal for limiting global warming. The 1.5°C target requires a rapid and deep decarbonization of the global energy system. The 1.5°C target is a challenge that requires global cooperation and action.

The 1.5°C target is a challenge that requires global cooperation and action. The 1.5°C target is a challenge that requires global cooperation and action. The 1.5°C target is a challenge that requires global cooperation and action.

The G20 and the 1.5°C target are key elements of the global climate action agenda. The G20 and the 1.5°C target are key elements of the global climate action agenda.

The 1.5°C target is a challenge that requires global cooperation and action. The 1.5°C target is a challenge that requires global cooperation and action. The 1.5°C target is a challenge that requires global cooperation and action.

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?? ?? · Wednesday, November 1st, 2023

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JAPAN MOBILITY SHOW 2023 Toyota Press Briefing

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?? ?? · Monday, October 30th, 2023



Stock photo and footage/iStock

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Posted in ???, ?? | No Comments »

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?? ?? · Wednesday, October 25th, 2023



Tero Vesalainen/iStock

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Posted in ???, ????? | [No Comments »](#)

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?? ?? · Tuesday, October 24th, 2023



LifestyleVisuals/iStock

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Posted in ??????????, ???, ?? | No Comments »

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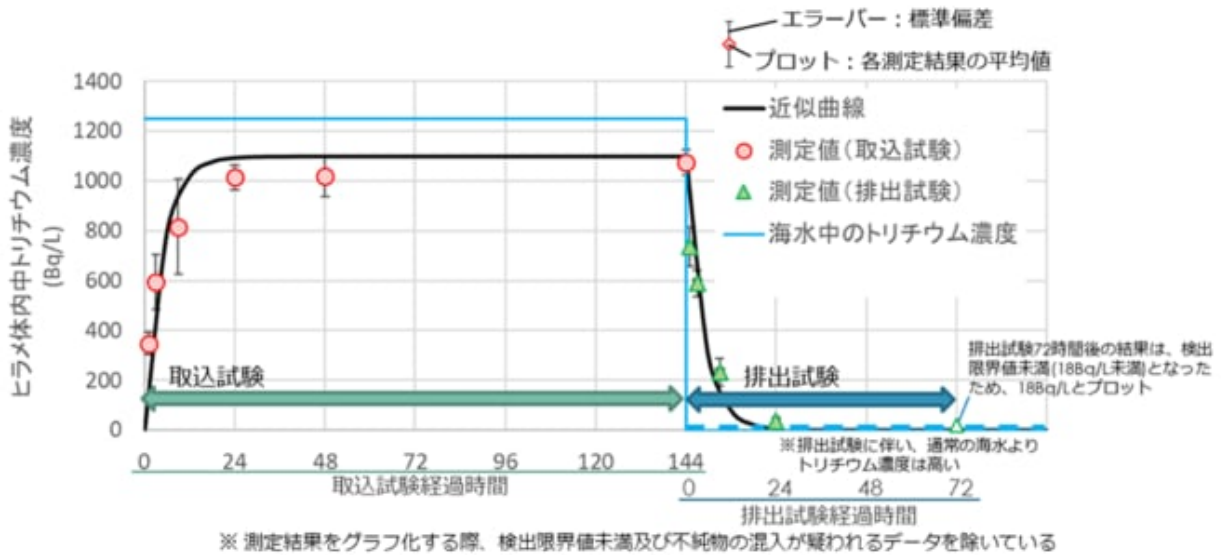
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?? ?? · Friday, October 13th, 2023



Liudmila Chernetska/iStock

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Don't overstate 1.5 degrees C threat, new IPCC head says



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Bill Gates sees 'a lot of climate exaggeration' out there: 'The climate is not the end of the planet. So the planet is going to be fine'



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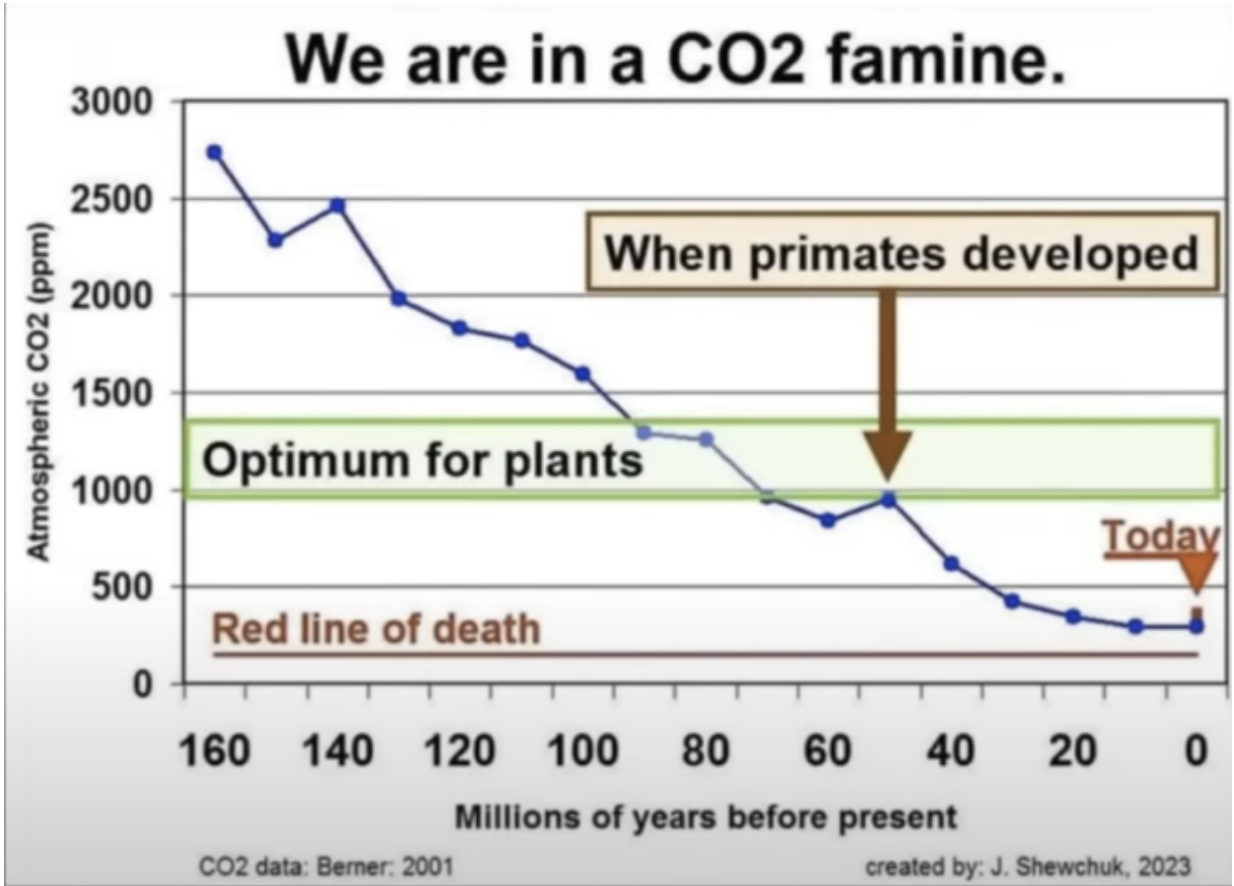
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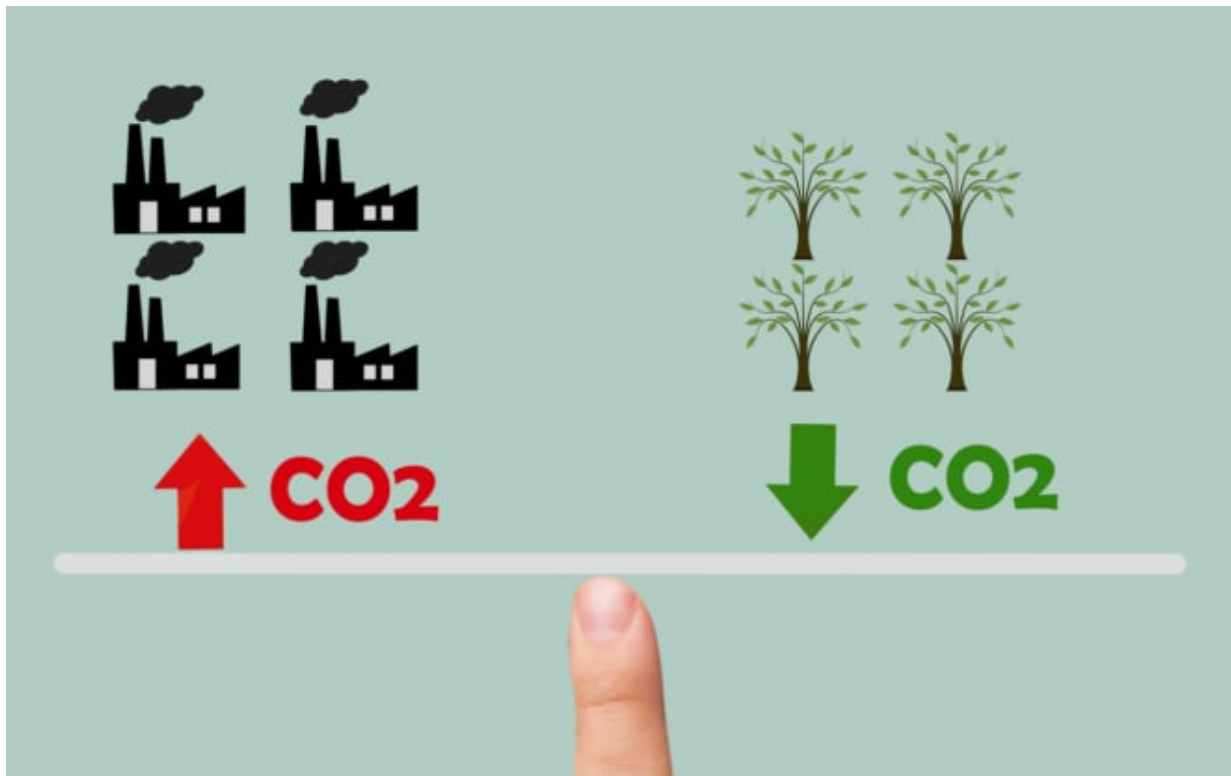
The main conclusion of this part of the study is that even an order of magnitude increase of CO2 in the atmosphere by human activities, which at the present rate of input is not expected within the next several thousand years, may not be sufficient to produce a runaway greenhouse effect on Earth. On the short time scale, if CO2 is augmented by another 10 percent in the next 30 years, the increase in the global temperature may be as small as 0.1°K.

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Posted in ???, ????? | No Comments »

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?? ?? · Saturday, October 7th, 2023



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?? ?? · Wednesday, October 4th, 2023



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?? ?? · Tuesday, October 3rd, 2023



KEN226/iStock

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?? ?? · Monday, October 2nd, 2023



metamorworks/iStock

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?? ? · Sunday, October 1st, 2023

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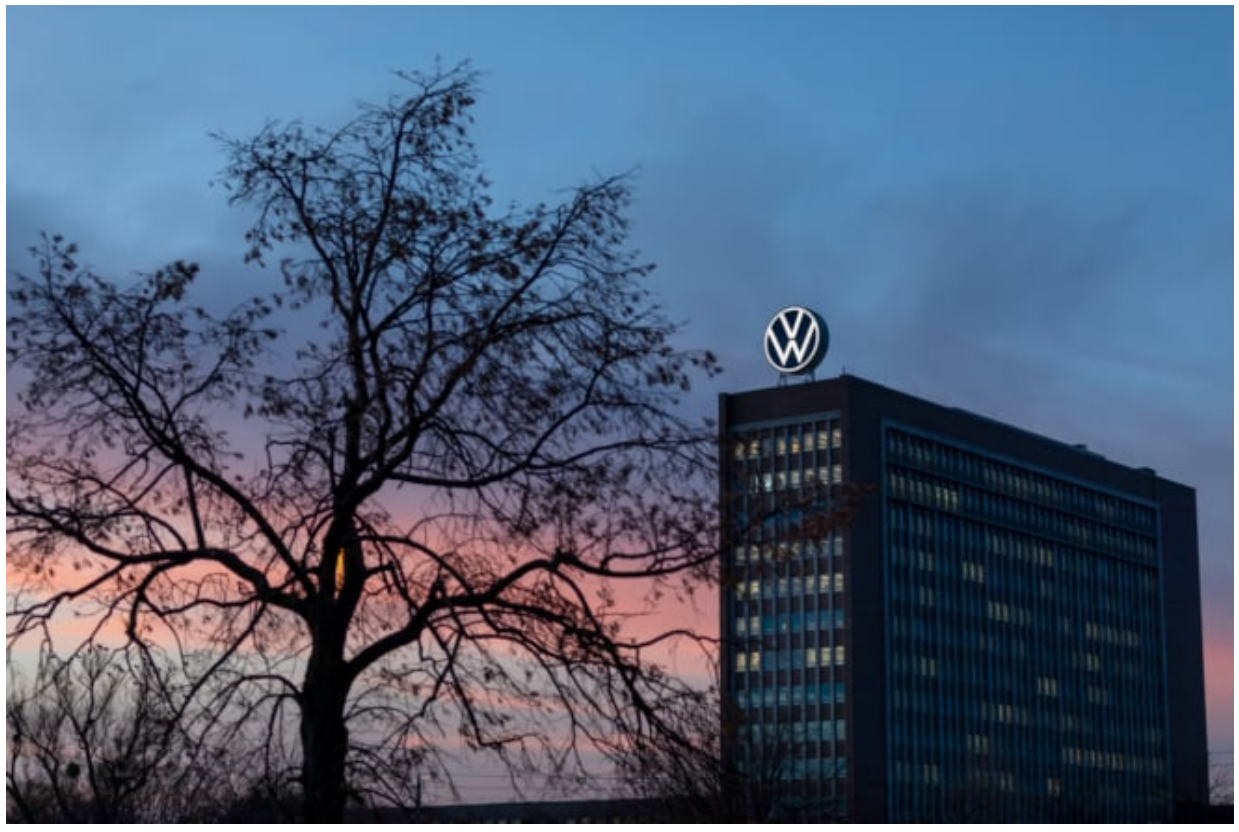
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?? ?? · Friday, September 29th, 2023

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Ilari Nackel/iStock

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- ?5?BASF?????2600?????Bloomberg 2023?2?24??
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?? ?? - Thursday, September 28th, 2023

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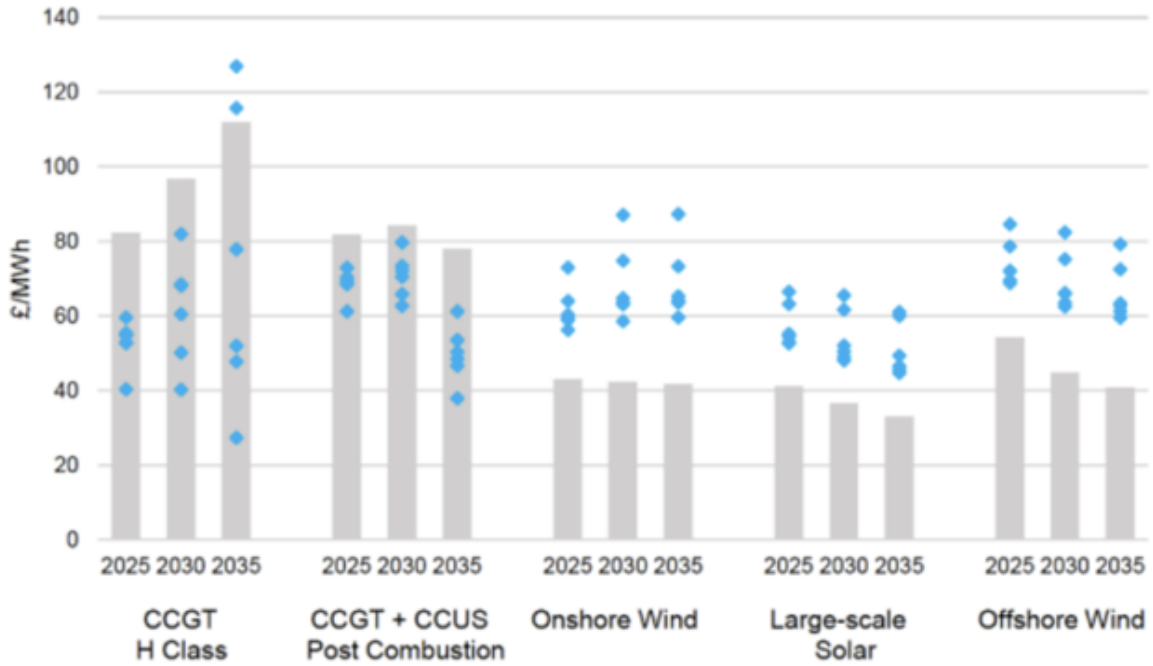
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BEIS Electricity Generation Costs 2022

LCOE 2025 2035 54 40 /MWh 2025 67 85 /MWh 2035 60 80 /MWh

2035 LCOE 1.52 2021 8

Posted in , | No Comments »

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?? ? - Thursday, September 21st, 2023



Maks_Lab/iStock

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?? ??? ?? · Tuesday, September 12th, 2023



Gwengoat/iStock

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Posted in [???, ??](#) | [No Comments](#) »

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?? ?? · Thursday, September 7th, 2023

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?? ?? · Saturday, September 2nd, 2023



axz66/iStock

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photoschmidt/iStock

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Posted in ??????????, ???, ????? | No Comments »

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?? ? · Monday, August 28th, 2023



dima_zel/iStock

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?????????GCR?????????12km?????????

?????????deep convective activities?????????

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?????????decadal?10?????????11?????????GCR?????????1.4?????????

?????????0?3?4?????

?????????NOAA?????????1979?????????1979????43?????????

?????????GCR?????????GCR?????????GCR?????????GCR?????????11?????????

?????????Fig. 1?GCR?????????0?3?????????8?????????1?????????Fig. 2?????????GCR?????????5?6?7?8?????????

?????????GCR cycles?????????Fig. 3?????????Fig. S5?????????GCR?????????GCR?????????GCR?????????

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Fig. 4?????????GCR?????????3?????????GCR?????????GCR?????????

?????????GCR cycles?????????Fig. 5?????????

?????????10????GCR?????????

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????????GCR cycles????????????

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Posted in ???, ????, ???? | No Comments »

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?? ?? · Sunday, August 27th, 2023

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????????????IPCC????????????1.5????????????1.5????????????
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Don't overstate 1.5 degrees C threat, new IPCC head says

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Inc.: Inside Corporate America's Social Justice
Scam????????????

Vivek Ramaswamy says the 'climate change agenda' is a hoax

????????????Climate Change isn't
Everything????????????

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???2022????????????????????????????????????1600?????????????????????????????WORLD CLIMATE
DECLARATION????????????????????

Nobel Prize winner Dr. John F. Clauser signs the Clintel World Climate Declaration

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IPCC?????63????????????????????????

????????2019?9?23????????????????????????????????????500????????????????????????????
??1600????????

?????6????????????????

- Natural as well as anthropogenic factors cause warming
- Warming is far slower than predicted
- Climate policy relies on inadequate models
- Global warming has not increased natural disasters
- Policy must respect scientific and economic realities
- CO2 is not a pollutant. It is essential to all life on Earth. Photosynthesis is a blessing. More CO2 is beneficial for nature, greening the Earth: additional CO2 in the air has promoted growth in global plant biomass. It is also good for agriculture, increasing the yields of crop worldwide.

Posted in ???, ????? | [No Comments »](#)

???????10????????????

?? ?? · Saturday, August 26th, 2023

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?? ?? · Thursday, August 24th, 2023



NithidPhoto/iStock

2023?8?22????????????????????9????????????????????????????????

- ????????????????????????????9????????????????????????????????????
- ????????????????????????????????9????????????
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??2050????????????????????2030??CO2????46%????????????????
GX??

2022?3?15??



??CO2????2030?46%????????????????????????????
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GX??
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?SDGs????????

Posted in ????????????, ??? | [No Comments »](#)

?????2??????CO2????????????????????????????????

?? ?? · Tuesday, August 22nd, 2023



Artur/iStock

???MIT??CO2?
 "heavily
 saturated"????????????????EPA??
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CO2??????????

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????CO2 ?????????????????????????????????????

???CO2??
 ?????????80????????????????????

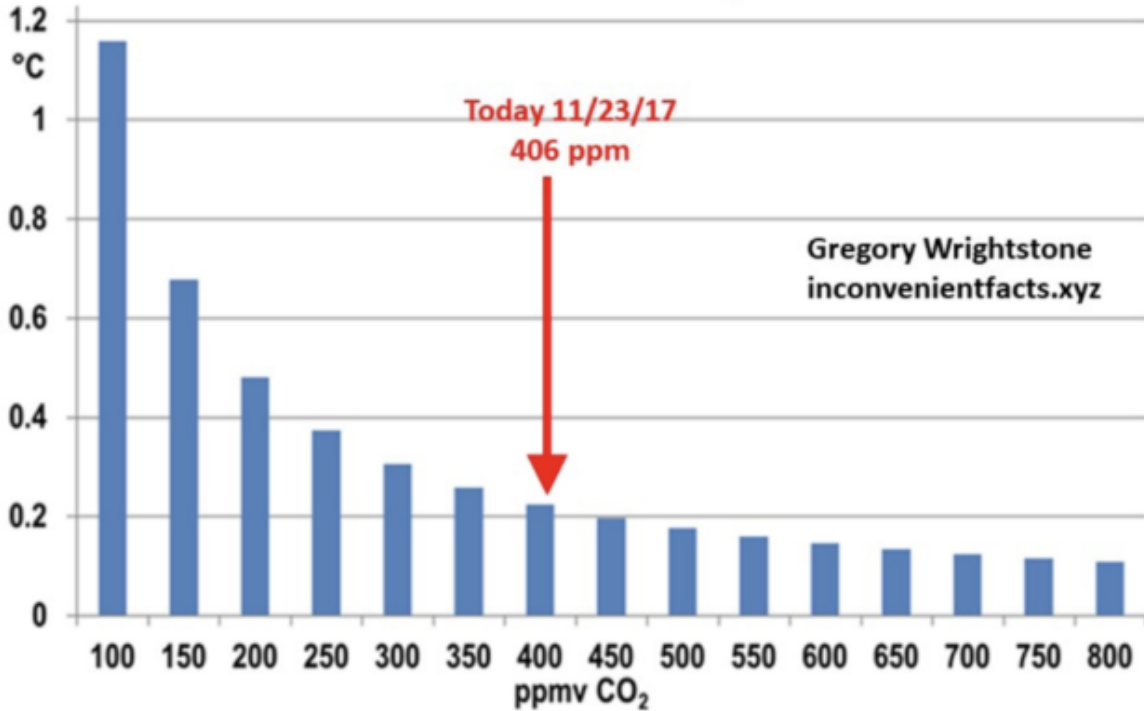
?????????40?????Gt??CO2?1????????????????????????????
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????CO2?"heavily saturated"

?????????CO2???50ppm????????????????????????????????????CO2????????????????????????????????????
 ????????????????????????? = saturation????????????????CO2?"heavily saturated"????????

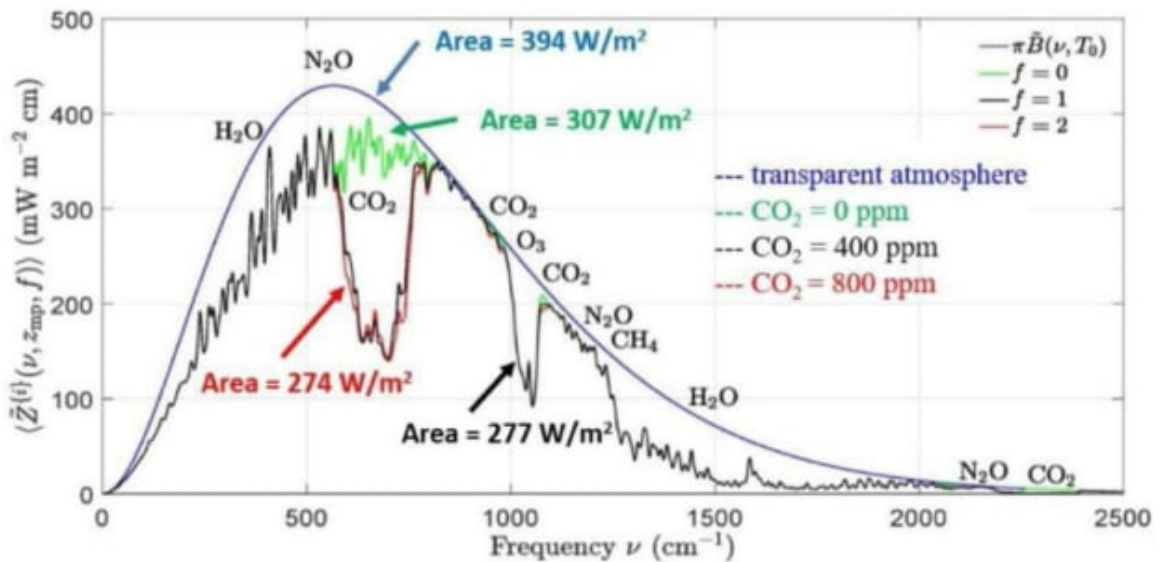
Figure I-3: Less global warming for each additional 50 parts-per-million-by-volume of CO₂ concentration



????????CO₂?????2?800ppm????????????????????????????????CO₂??

??CO₂????????????????????????????????????CO₂?N₂O?O₃?CH₄????????????????

??394 W/m²????????????????????????????????@transparent atmosphere????????????????27??



??CO₂ =

400ppm????????394W/m²????277W/m²??277/394 =

70????????????CO₂?400ppm??800ppm????????????????????????????274

W/m²?69.5%????????????????????????????3W/m²????????????????1????????????

?????CO2??

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? State Farm Test: ???

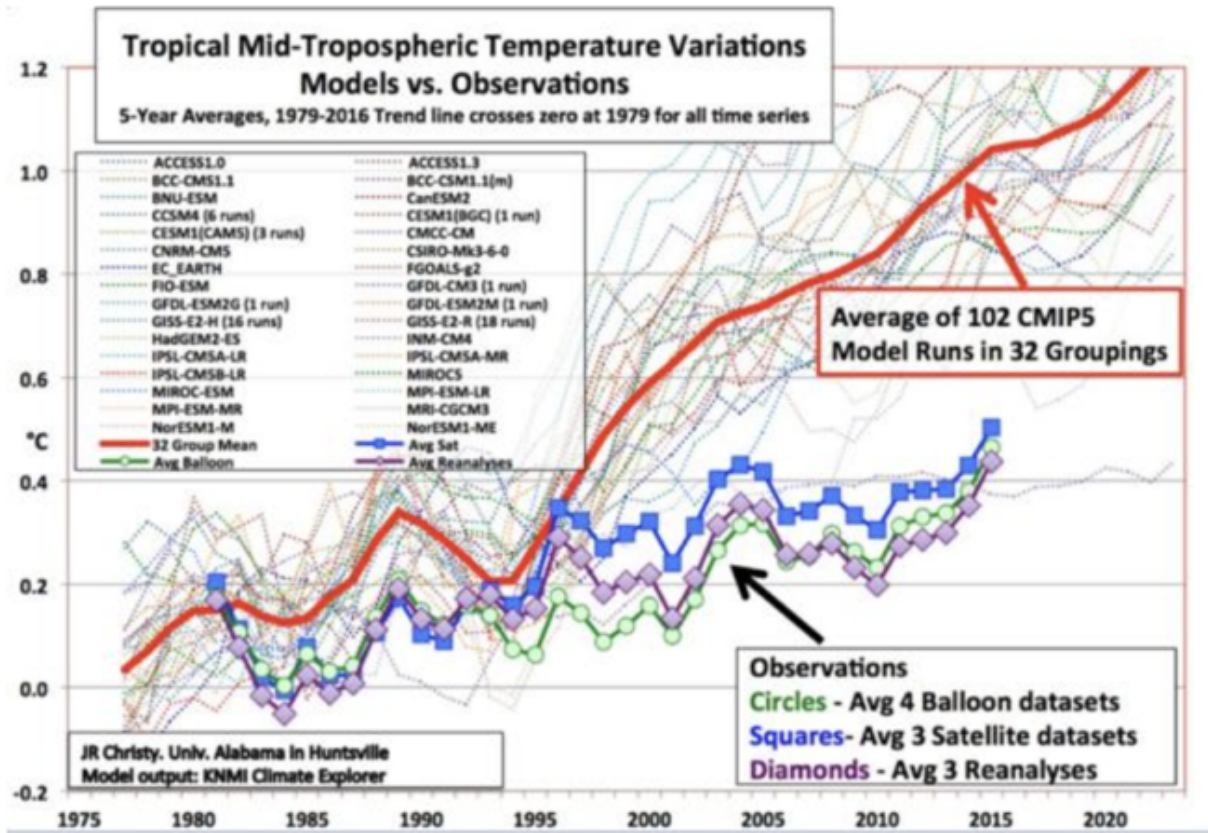
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1. EPA????????????????????????????????????
2. EPA????????????????????????IPCC??
3. ?????????????????????????

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The main conclusion of this part of the study is that even an order of magnitude increase of CO₂ in the atmosphere by human activities, which at the present rate of input is not expected within the next several thousand years, may not be sufficient to produce a runaway greenhouse effect on Earth. On the short time scale, if CO₂ is augmented by another 10 percent in the next 30 years, the increase in the global temperature may be as small as 0.1°K.

Posted in ???, ????? | No Comments »

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?? ?? · Friday, August 18th, 2023



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Luisa Trescher Photos/iStock



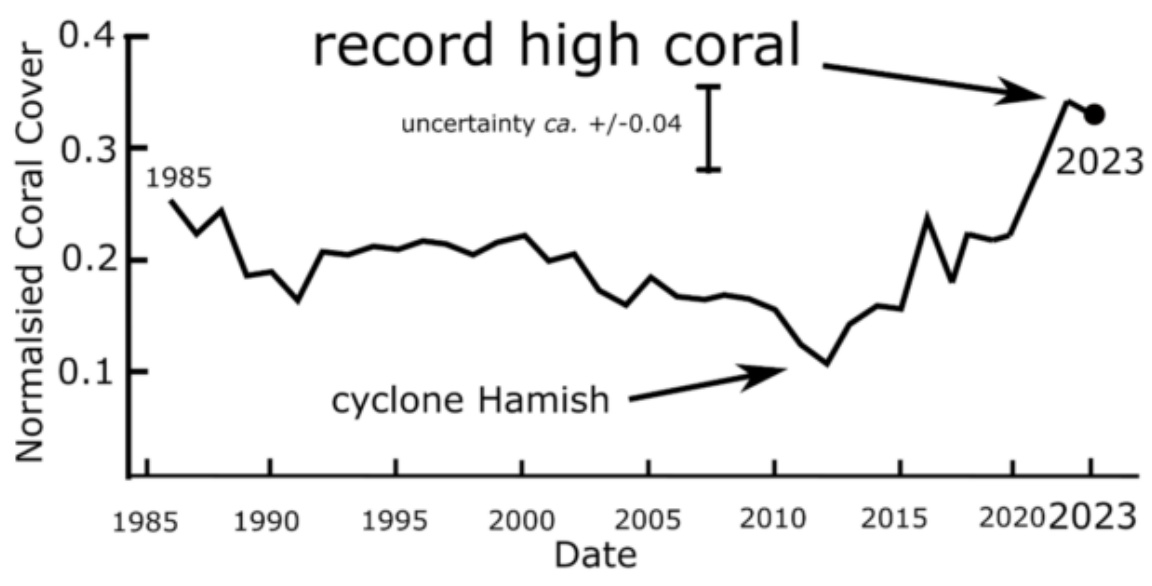
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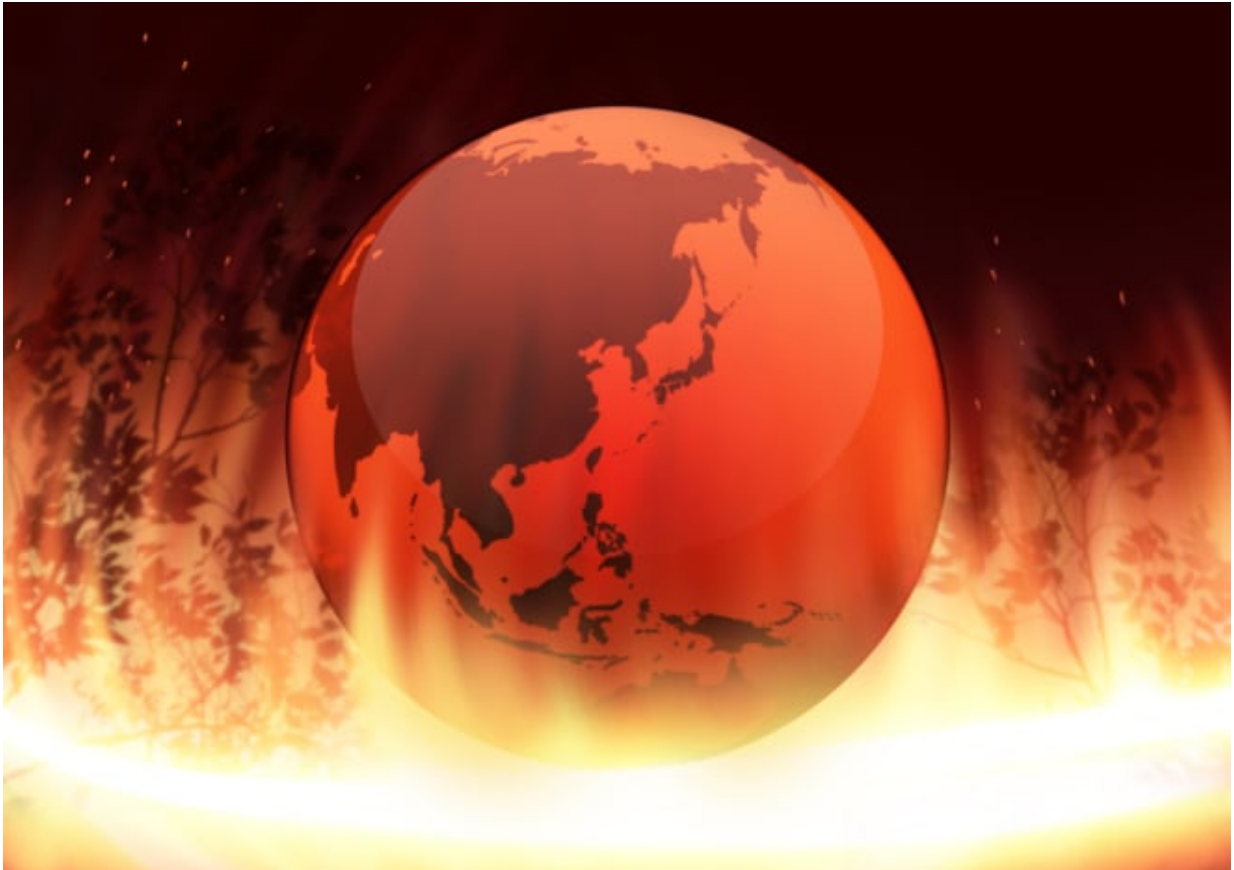
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Tr6/iStock

global warming global boiling

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2023 “”

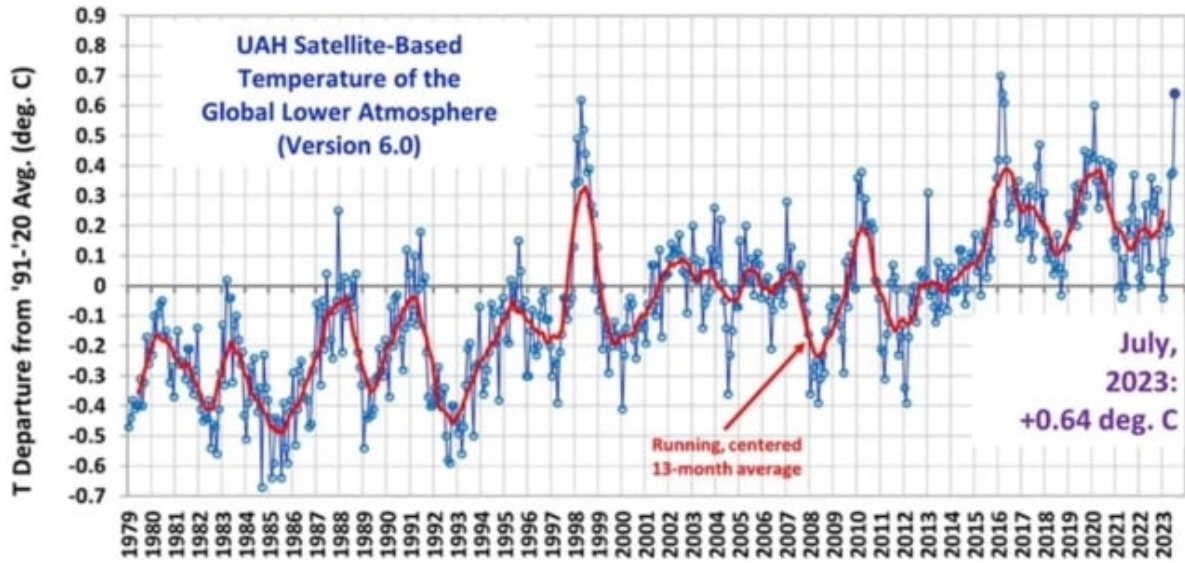
100 15 100

50 5

BBC 1

Climate Etc.

9000 UAH



3

Climate Etc.

2023

1

2

2023



CO2
CO2

CO2
CN

CN

20
95

CN

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CN
CO2
CN

CN

2009
4
14
S. Matsuda?“ Validity of Bio-Ethanol as a Countermeasure against Global Warming”, J. Environ. Inf. Sci. , Vol.37, No.5, pp.1-6 (2009.3)?

CO2

CO2
CO2
2-09
p.55
Table 2?

HP
Vol.44
vol.37

CO2
4
12
4
12
2009
2011

or

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??1981????????????????4?10??pp.
949-954??
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