

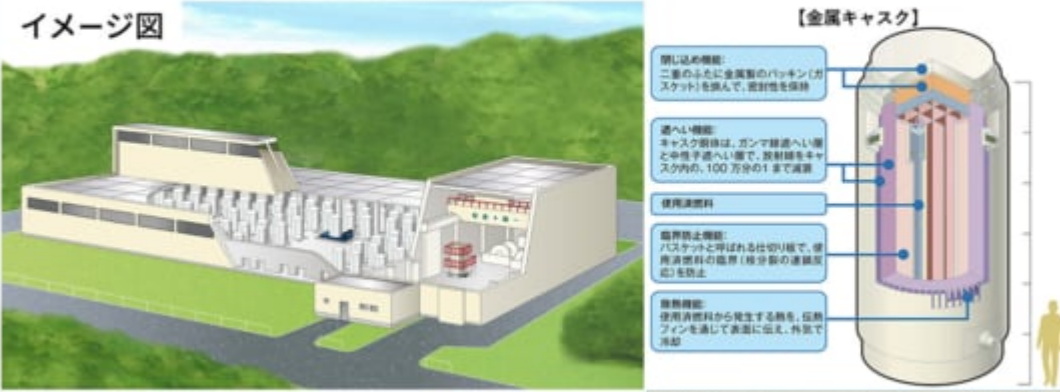


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**中間貯蔵施設の概要**

● 中間貯蔵施設は、原子力発電所で使用した燃料(使用済燃料)を金属キャスクと呼ばれる頑丈な専用容器に入れて、再処理工場へ搬出するまでの間、安全に保管する施設です。

**イメージ図**



**【金属キャスク】**

- 閉じ込め機能:** 二重のふたに金属製のバッキング(ガスケット)を挟んで、密封性を保持
- 遮蔽機能:** キャスク本体は、ガンマ線透過し難く中性子透過し難く、放射線をキャスク内の、100万分の1まで減衰
- 使用済燃料:**
- 漏洩防止機能:** バッキングと呼ばれる仕切り板で、使用済燃料の漏洩(燃料集合体の損傷)を防止
- 冷却機能:** 使用済燃料から発生する熱も、自然対流を通して表面に伝え、外気で冷却

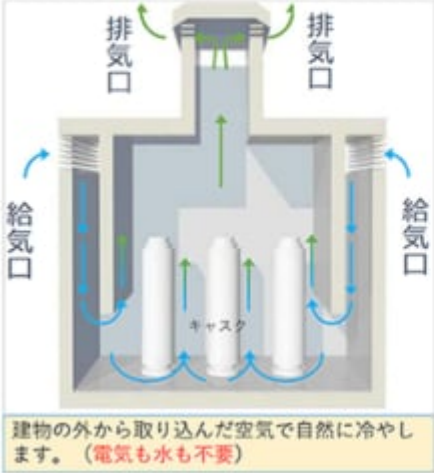
施設に持ち込む前に、発電所内で頑丈な金属の容器に入れて二重のふたで密封します。(輸送時は、さらに3つ目のふたと緩衝体も装着します)  
 密封された状態のまま搬入、保管、搬出され、施設内で燃料を取り出すことはありません。

出典:日本原子力文化財団「原子力・エネルギー図鑑集」

● 水や電気を使わず、外気による自然空冷により使用済燃料から発生する熱を除去するため、設備自体は非常にシンプルです。


● 施設内では、使用済燃料を取り出したり入れ替えたりすることもなく、建物内に置いて保管する形になります。

**【建屋内の空気の流れ】**



建物の外から取り込んだ空気で自然に冷やします。(電気も水も不要)

**【東海第二発電所での貯蔵風景】**



金属キャスクに備わった安全機能により、触れられるほど近づいても全く問題なくらいまで放射線量は低くなります。また、施設では金属キャスクの温度・圧力を常時監視します。  
 (東海第二発電所の乾式貯蔵施設は、2001年より運用開始しており、これまでにトラブルもなく、20年以上の貯蔵実績があります)  
 撮影提供: 日本原子力発電株式会社

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

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?? ? · Wednesday, November 1st, 2023



Kirillm/iStock

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

## ?????????????????EV????????????

?? ?? · Wednesday, November 1st, 2023

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# JAPAN MOBILITY SHOW 2023 Toyota Press Briefing

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## More alarm bells sound on slowing demand for electric vehicles

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

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?? ?? · Monday, October 30th, 2023





Stock photo and footage/iStock

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2019??	110???	90??
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Posted in ??????????, ???, ????? | No Comments »

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?? ?? ? - Saturday, October 28th, 2023

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3DFOX/iStock

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?? ?? · Wednesday, October 25th, 2023



Tero Vesalainen/iStock

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**1. ??????????????**

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2023 Cox Automotive Mid-year  
Review????????2023??2????????????????????????????????????  
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**2. ???????**

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**The Detection and Attribution of Northern Hemisphere Land Surface Warming (1850–2018) in Terms of Human and Natural Factors: Challenges of Inadequate Data**

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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 »

# ALPS???????????????? ???

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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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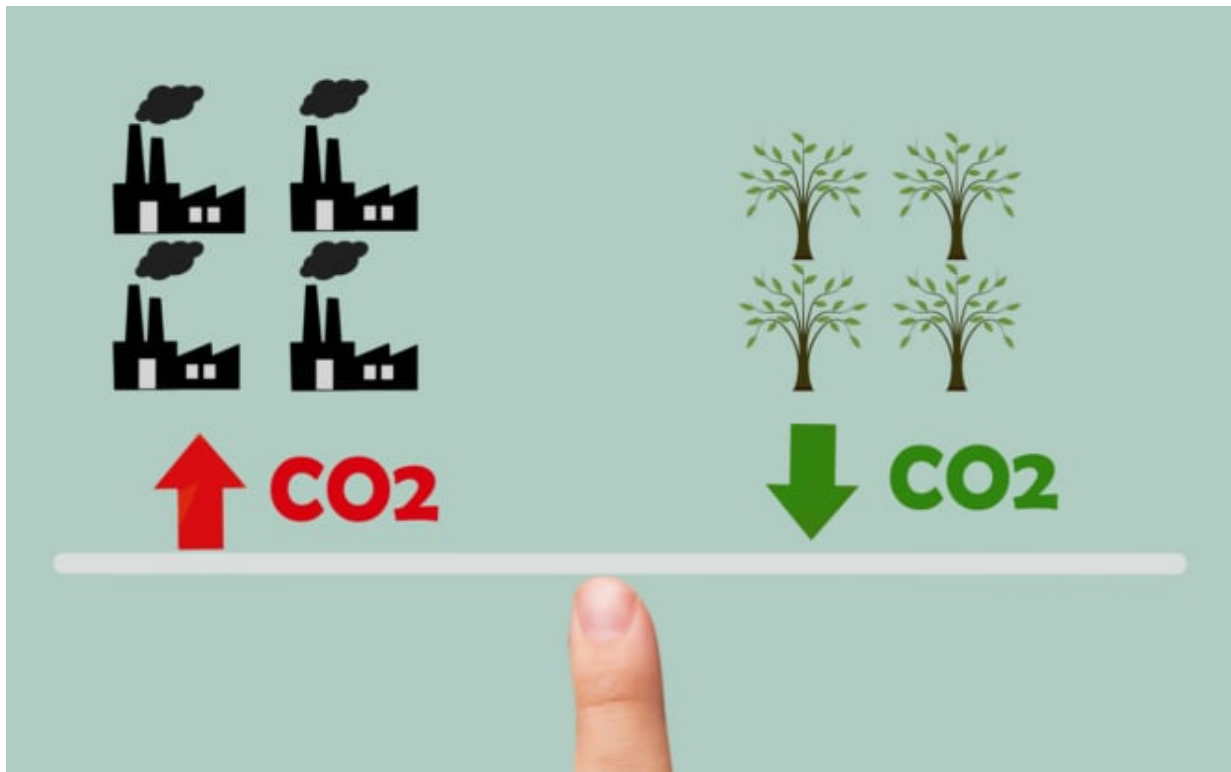
The main conclusion of this part of the study is that even an order of magnitude increase of CO<sub>2</sub> in the atmosphere by human activities, which at the present rate of input is not expected within the next several thousand years, may not be sufficient to produce a runaway greenhouse effect on Earth. On the short time scale, if CO<sub>2</sub> 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.

??CO2?????1????????????????????????????????  
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Posted in ???, ????? | No Comments »

### 2026????????????????????????????????????

?? ?? · Saturday, October 7th, 2023



2023

2023

ESG

19 EU UCPD CRD 26 20 25 26

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2050 2030 CO2 1 2 3

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

**2023????????????????**  
?? ?? · Wednesday, October 4th, 2023



2023 ESG 2030 2040  
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4 12,009

2022 GX 2023 10 2023 9 19 188

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

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?? ?? · Tuesday, October 3rd, 2023





KEN226/iStock

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Posted in ???, ????? | No Comments »

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?? ?? · Monday, October 2nd, 2023



metamorworks/iStock

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





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**????????????????**  
?? ?? · Friday, September 29th, 2023

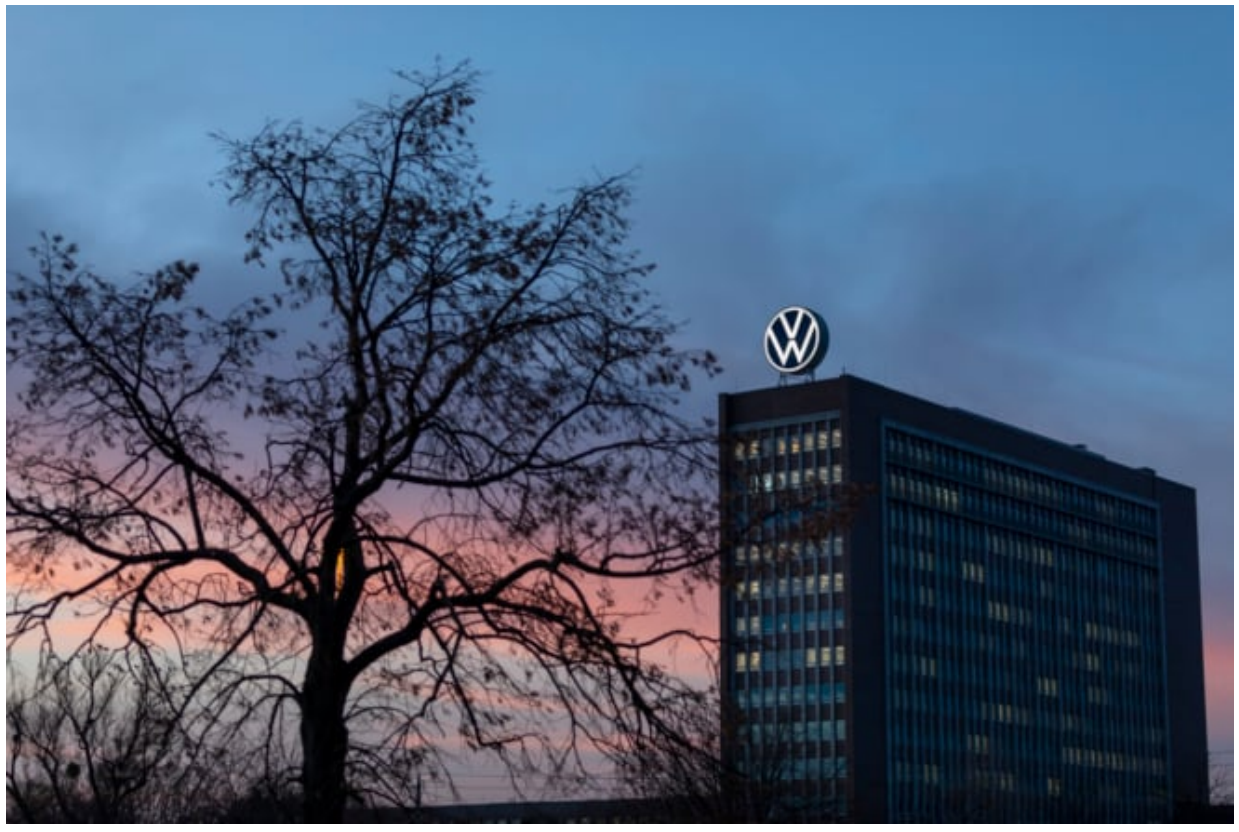


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Ilari Nackel/iStock

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?5??BASF??????2600?????Bloomberg 2023?2?24??

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

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?? ?? · Thursday, September 28th, 2023

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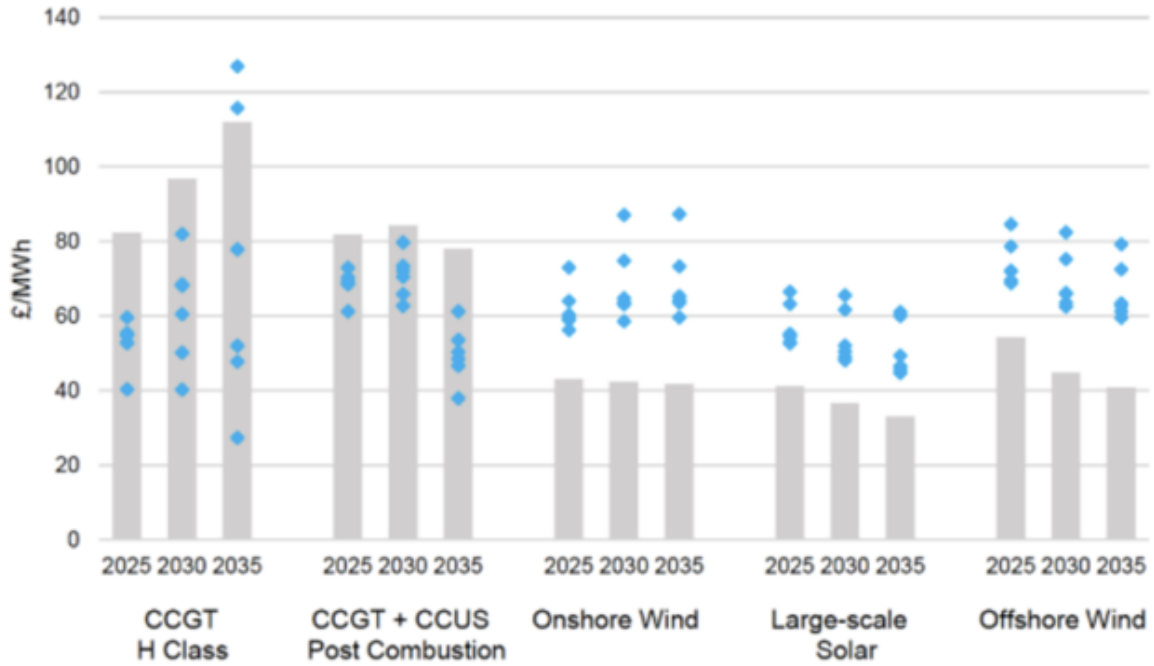
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Posted in ???, ????? | No Comments »







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 »

· Thursday, September 21st, 2023





Maks\_Lab/iStock

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?? ?? · Tuesday, September 19th, 2023

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

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?? ?? ? - Tuesday, September 12th, 2023



Gwengoat/iStock

1980-1970-SED-83-SED-F  
DJ-“”-30-  
CDU-FDJ-30-  
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- 52 / 78 -  
02.11.2023



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10875 1 6 36

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## ????????????????????????????????

?? ?? · Thursday, September 7th, 2023

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???Quantum Korea 2023??

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axz66/iStock

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photoschmidt/iStock

????????G20??28????????????????G20????????????????????????????  
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????????????68????????????63?66????????????????G20??  
 ???G7????????????????????????????????

**????????????????63?**

5?G7????????IPCC?6????AR6????1.5????????????GHG????2025????????????2019??  
 ?2030?????43??2035?????60????????????????2030?NDC????????GHG????????LTS??1.5????????  
 ??2050??COP28????????2030?NDC????????????LTS??  
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 ?????????NDC????????????????????????????????2023????????????2030????????????????  
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G20????????IPCC????????????????????????????G20????????  
 ?2025????????????????????2019??2035????????60%????????????  
 ?????????????????????????????2030????????CO2????????



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????G20????3????G7????????????????????????????????

G7??IPCC?6????????2025????2035?60????12??COP28????  
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?????Third World Network  
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????IPCC????????????????????????????

????2040????????????????COP27????LMDC????2050????  
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G7????1.5????2050????????  
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?? ? · Monday, August 28th, 2023



dima\_zel/iStock

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R????C<sup>14</sup>????????????????????

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????????2019????????????GCR????78????????????????????  
????????GCR????????????????????2km????????

?????????12km?????????

?????????high-altitude clouds?????????27km?????????

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

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

?????????GCR?????????

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

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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

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

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?? ?? · Thursday, August 24th, 2023



NithidPhoto/iStock

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

- ????????????????????????????????9??
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??2050????????????????????2030??CO2????46%????????????????  
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2022?3?15??



??CO2????2030?46%????????????????????????  
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GX??CO2??  
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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?”heavily saturated”**

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







?????CO2??

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? State Farm Test: ???

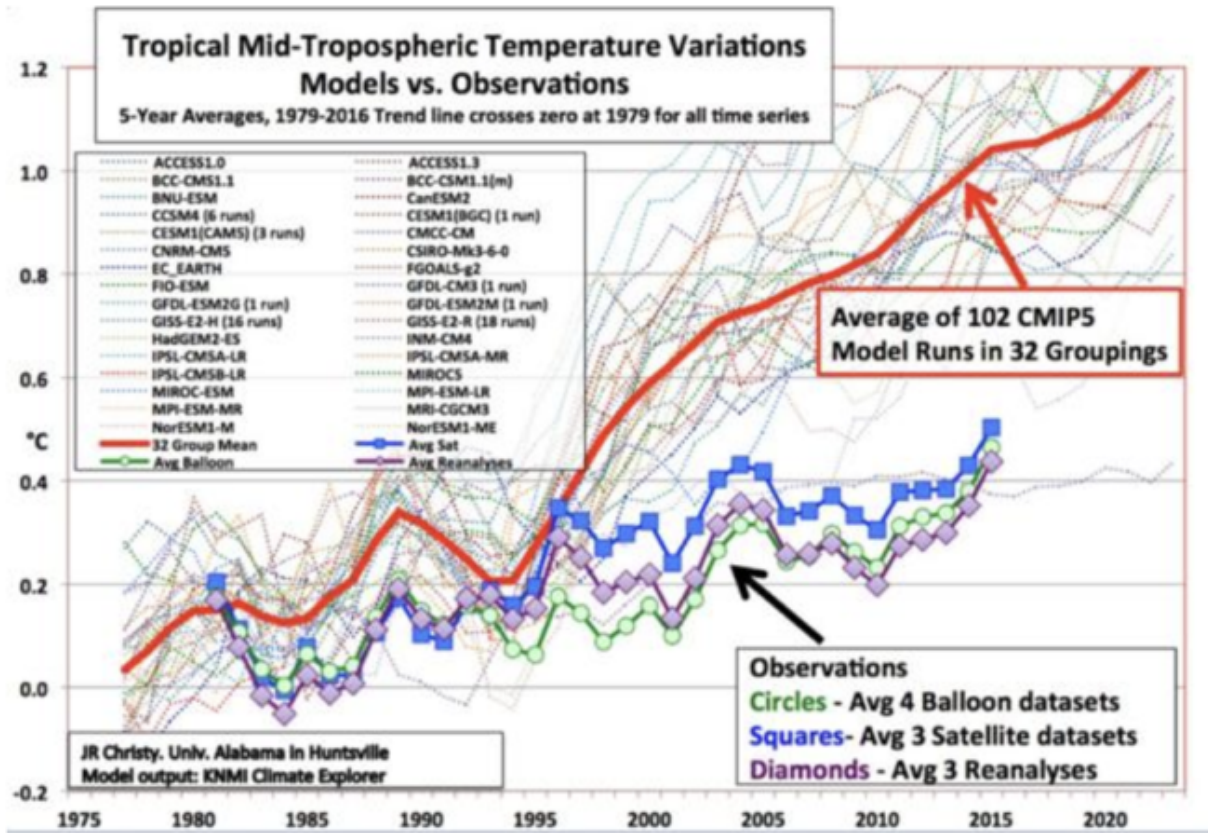
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1. EPA????????????????????????????????????
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The main conclusion of this part of the study is that even an order of magnitude increase of CO2 in the atmosphere by human activities, which at the present 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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?? ?? · Friday, August 18th, 2023



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Luisa Trescher Photos/iStock



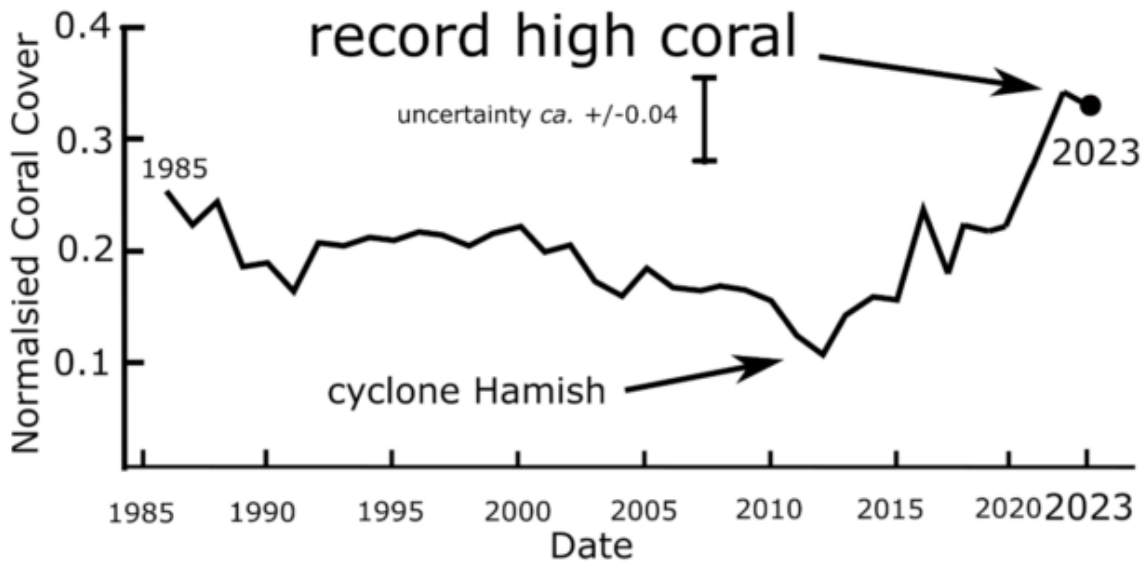
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Foundation??  
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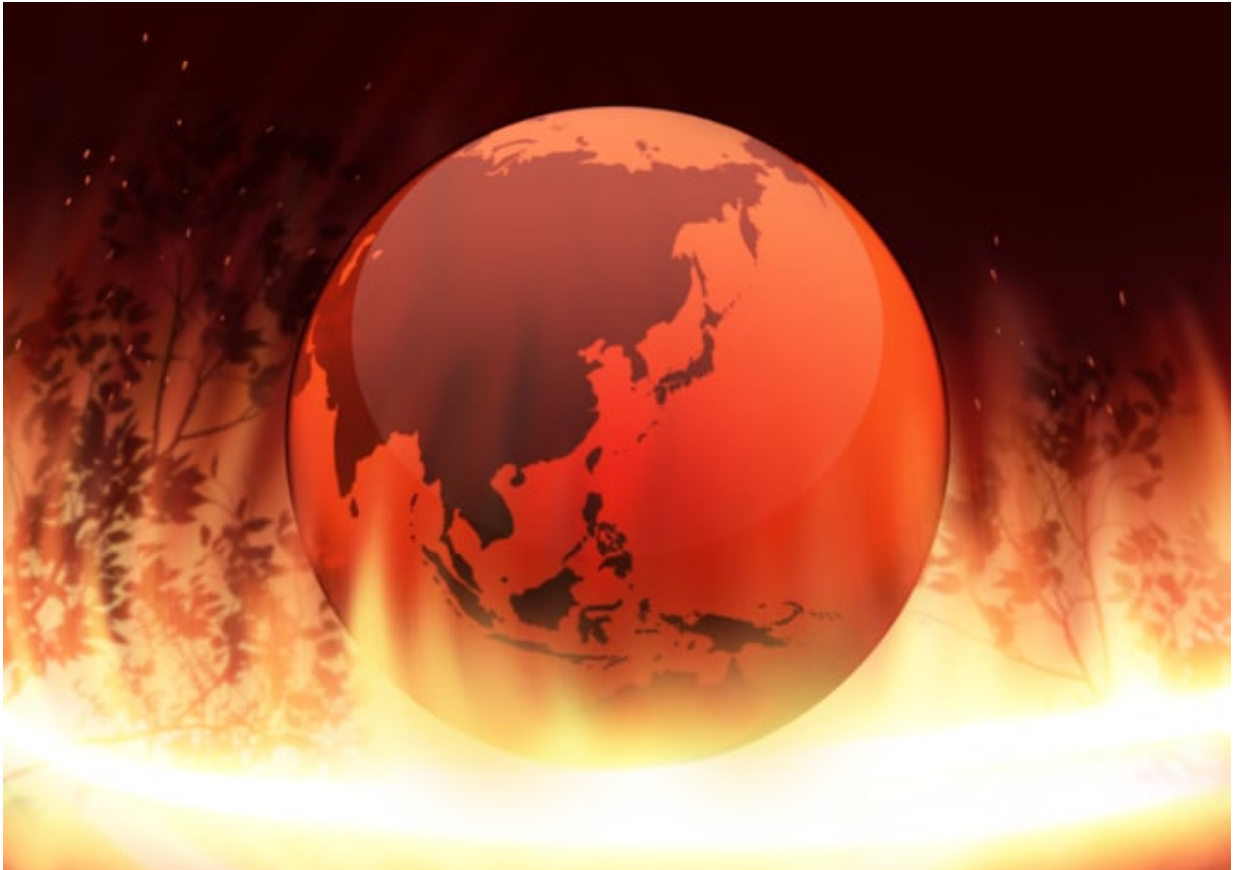
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?? ?? · Thursday, August 17th, 2023



Tr6/iStock

global warming global boiling

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2023 “”

100 15 100

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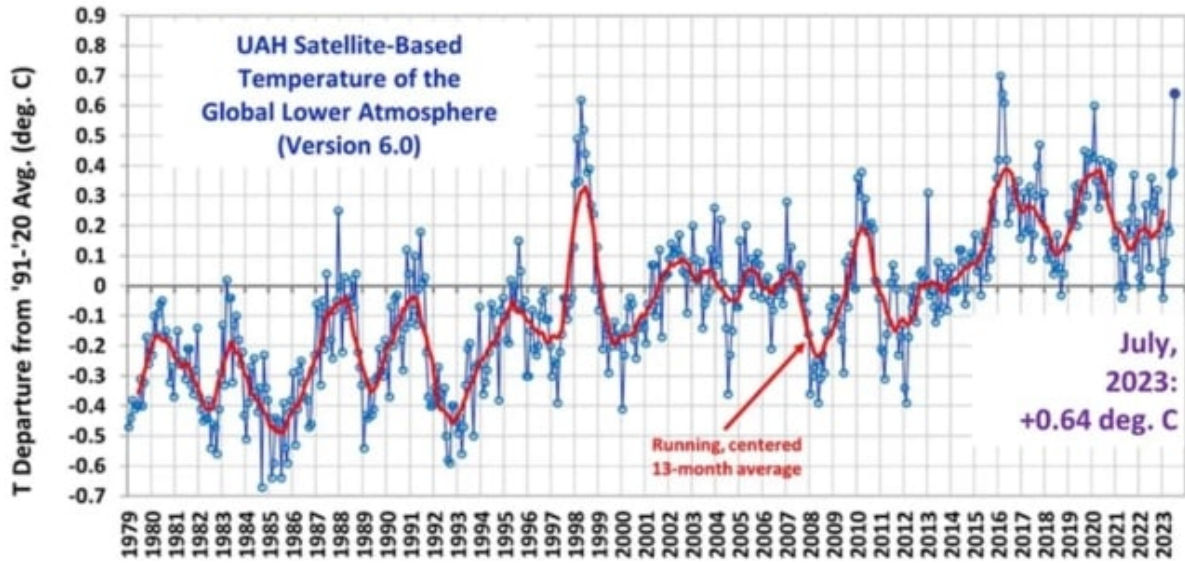
BBC 1





Climate Etc.

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Climate Etc.

2023

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2023 4 1 2 1 7







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