

# Global Energy Policy Research | GEPR

GEPR??  
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?? ?? · Friday, January 10th, 2025



Oleksii Litovchenko/iStock

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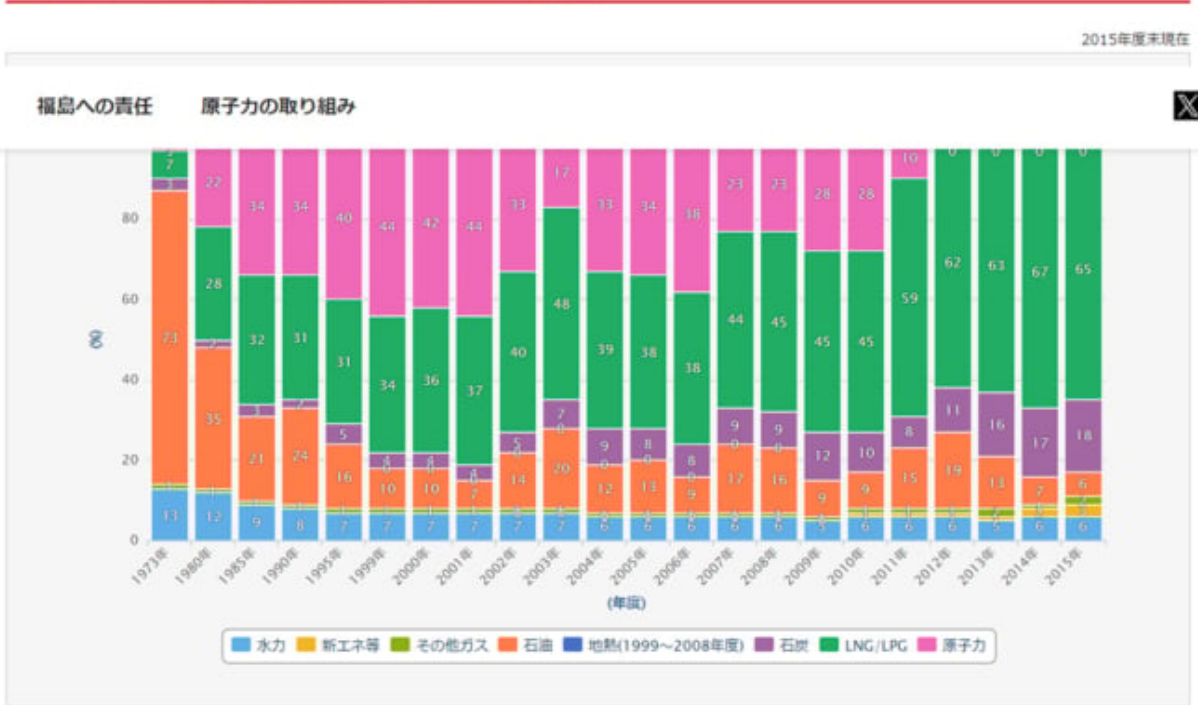
38????????????8?3000?kWh????

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エネルギー別発電電力量構成比（含他社受電）



(注) 1. 新エネルギーの2008年度以前は風力、太陽光および廃棄物発電。2009年度以降はこれらに地熱およびバイオマス発電を加えたもの。  
 2. それぞれの発電電力量(億kWh)についてはCSVデータに記載(ただし2009年度以降)。

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????1973?2011????2015?2022????0.35???

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1973?2011????????????8?3000?kWh? × ?????????????30?? × ?????????????35?? ?  
8700?kWh

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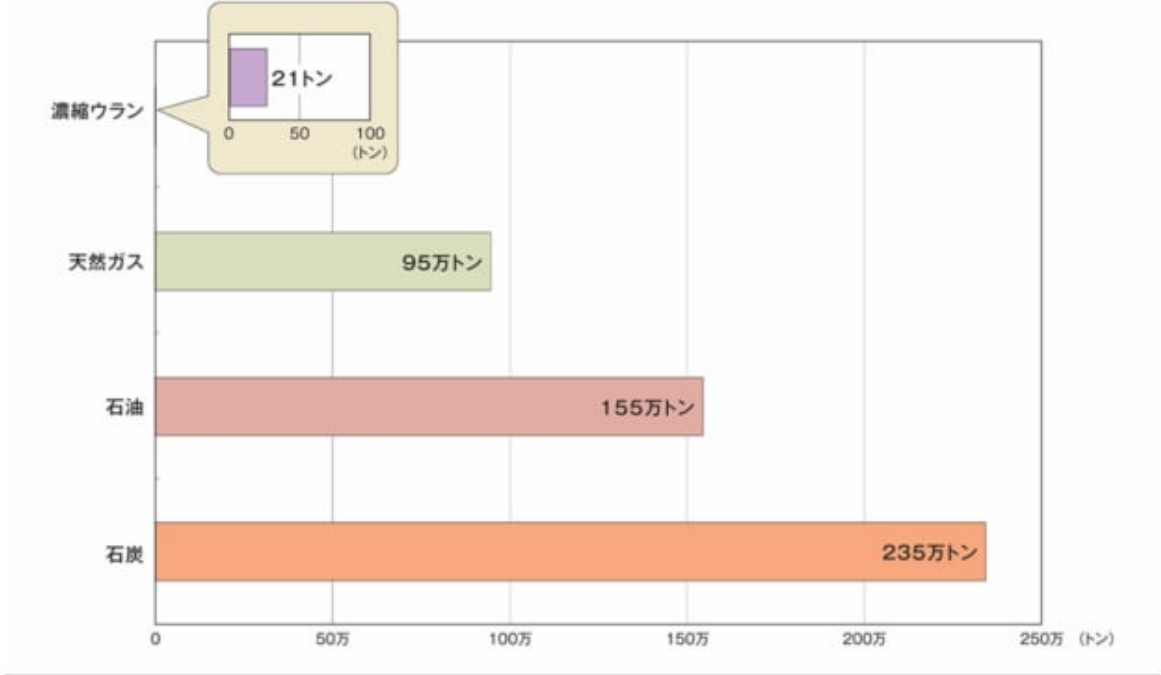
3. ?????????????

100?kW????????1????????60?kWh????????????70????????????????????21????2?????  
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100?kW × 365? × 24h/? × 0.7 ? 61?3200?kWh ? 60?kWh

1973?2011????????8?3000?kWh × 0.30 × ?21??/60?kWh?? 8715?? ??8700??

100万kWの発電所を1年間運転するために必要な燃料



4-1-1 出典：資源エネルギー庁「原子力2010」  
原子力・エネルギー白書2015

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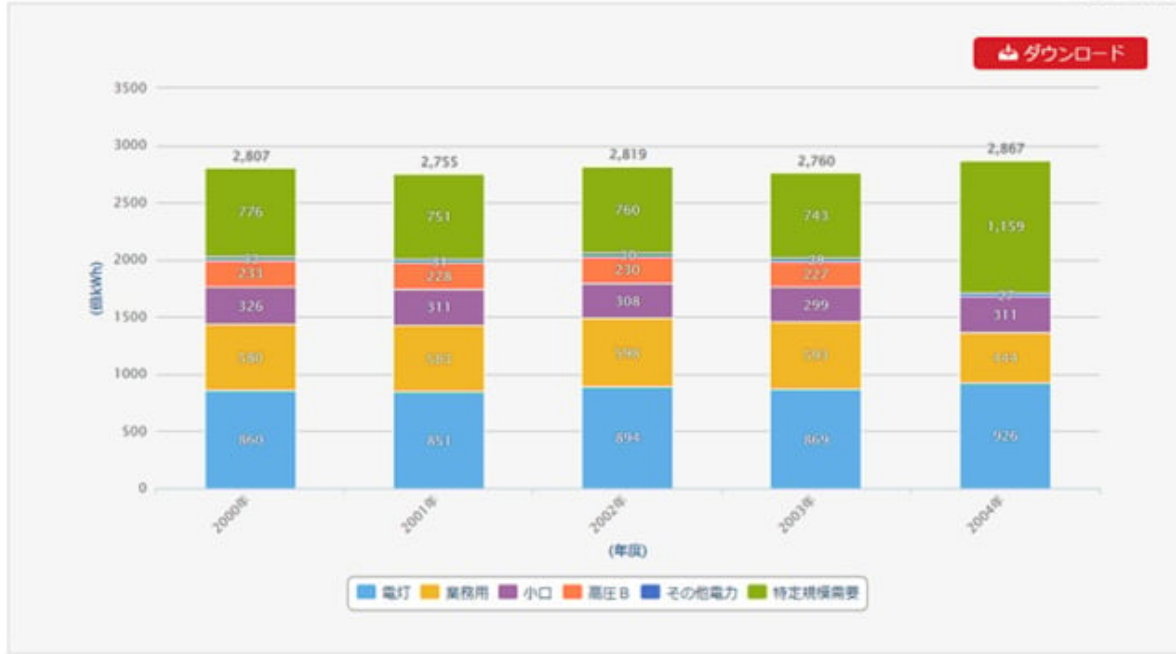
4. ?????????????

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## 販売電力量（2000年度～2004年度）

2017年度末現在



(注) 1. 特定規模需要の範囲について、2000年度から2003年度については供給電圧が原則として2,000kW以上のお客さま、2004年度については契約電力が原則として500kW以上のお客さま。  
 2. 端数処理の関係で数値と合計が合わない場合がある。  
 3. 電力自由化に伴い、特定規模需要が位置づけられたため、2000年度以降表示形式変更。

## 販売電力量（2005年度以降）

福島への責任 原子力の取り組み



(注) 1. 特定規模需要の範囲について、2005年度以降は供給電圧が原則として高圧以上のお客さま。  
 2. 端数処理の関係で数値と合計が合わない場合がある。  
 3. 2016年度以降については、東電EPの販売電力量

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??2015??2022????????????????2016?2021??????

?2015??

????????775?kWh/????????????<sup>21)</sup>2471?kWh ? 0.31

| 区 分  | 電力量<br>(百万kWh) |
|--|----------------|
| (A) 都内の再生可能エネルギー電力利用量                                  | 8,610          |
| 都内に設置された再生可能エネルギー発電設備による利用量 <sup>1)</sup>              | 501            |
| 電気事業者からの供給による都内利用量 <sup>2)</sup> (水力発電等) <sup>3)</sup> | 4,152          |
| FIT制度における再生可能エネルギーによる都内利用量                             | 3,957          |
| (B) 都内の電力消費量   | 77,528         |
| 都内の再生可能エネルギーによる電力利用割合 (A) / (B)                        | 11.1%          |

(注記)

- 1) 電気事業者に販売された電力は除く
- 2) 発電量を都内販売電力量で按分し、送配電ロスを考慮して推計
- 3) 水力発電には、揚水発電（火力等の余剰電力によって汲み上げた水を落下させて発電する方式）は含まない

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| 区 分   | 電力量<br>(百万kWh) |
|---|----------------|
| (A) 都内の再生可能エネルギー電力利用量   | 16,668         |
| 都内に設置された再生可能エネルギー発電設備による利用量 <sup>1)</sup>                     | 588            |
| 電気事業者からの供給による都内利用量 <sup>2)</sup> (水力発電等の非FIT電力) <sup>3)</sup> | 4,902          |
| FIT制度による再生可能エネルギー電力の都内利用相当(按分)量                               | 11,178         |
| (B) 都内の電力消費量 <sup>4)</sup>                                    | 75,836         |
| 都内の再生可能エネルギーによる電力利用割合 (A) / (B)                               | 22.0%          |

(注記)

- 1) 電気事業者に販売された電力は除く。
- 2) 発電量を都内販売電力量で按分し、送配電ロスを考慮して推計
- 3) 水力発電には揚水発電（火力等の余剰電力によって汲み上げた水を落下させて発電する方式）は含まない。
- 4) 都内に設置された再生可能エネルギー発電設備による電力で、その場で消費されるものを含む。

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

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

?? ? · Friday, January 3rd, 2025



zhengzaishuru/iStock

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?? ?? · Monday, December 30th, 2024

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georgeclerk/iStock

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GEPR??? · Friday, December 27th, 2024



Andreas Balg/iStock

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Energy-Charts

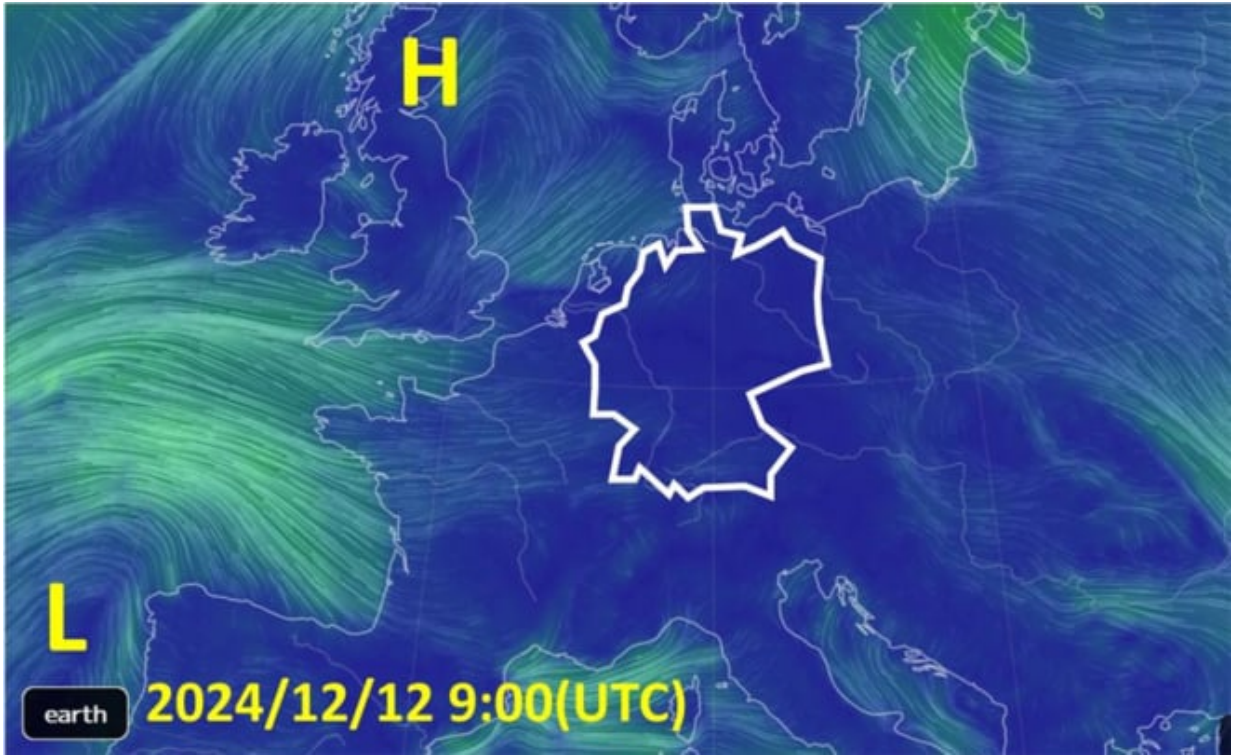
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rudall30/iStock

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**参议院 キッズページ** 国会のひみつをさくろう! 国会のしくみと法律ができるまで! 国会で遊んじゃおう!

## あなたが議員だったら?

**○ 議員はどんなことをしているのかな?**  
 国会議員は選挙で選ばれます。そして、国民全体の代表として、おもにつぎのような仕事をしています。

- ① 法律案を国会に提出する。
- ② 会議で発言したり、文書で質問したりして、内閣の政治の進めかたを監督する。
- ③ 法律の制定、予算の議決、条約の承認、内閣総理大臣の指名など、国会の決定に参加する。
- ④ 国民の意見を聞いて政治に反映させる。
- ⑤ 外国の政治経済の情勢を調べて政治に反映させる。

議員の一日



登院表示盤



本会議



議員食堂



災害の調査



議員会館事務室



委員会質疑

🔍 国会ってなにをするところ?

🔍 衆参の議員が一か所に集まることってあるのかな?

🔍 建物が左右同じ形なのは どうしてかな?

🔍 あなたが議長席にすわったら?

🔍 本会議場には どんなひみつがあるのかな?

🔍 あなたが議員だったら?

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東京都議会



Q

どんなことをしているのかな？

A

とぎかい とうきょうと しごと すす ひつよう かね つか  
 都議会は、東京都の仕事を進めるのに必要なお金の使い  
 かつた きまげま せ さだ かね つか  
 方や、様々な決まりごとを定めたりします。そのお金の使  
 かつた よさん せ とうきょうと ほうりつ じょうれい  
 い方を予算といい、決まりごとを東京都の法律である条例  
 といいます。



ホープ博士

とみん ようぼう いけん せ じゅうぶん はな あ と  
 また、都民の要望や意見を聞き、十分に話し合って都の  
 せいさく はんさい じゅうよう やくわり  
 政策に反映していくという重要な役割をになっています。

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

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?? ?? · Wednesday, December 25th, 2024

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v-graphix/iStock

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※数値は全て暫定値であり、今後変動し得る。

**【参考】2040年度におけるエネルギー需給の見通し**

● 2040年度エネルギー需給の見通しは、諸外国における分析手法も参考としながら、**様々な不確実性が存在することを念頭に、複数のシナリオを用いた一定の幅として提示。**  
 \* 新たなエネルギー需給見通しでは、NDCを実現できた場合に加え、実現できなかったリスクシナリオも参考値として提示。

|                                 |              | 2023年度<br>(速報値)                          | 2040年度<br>(見通し)      |
|---------------------------------|--------------|--|----------------------|
| <b>エネルギー自給率</b>                 |              | <b>15.2%</b>                             | <b>3～4割程度</b>        |
| <b>発電電力量</b>                    |              | <b>9854億kWh</b>                          | <b>1.1～1.2兆kWh程度</b> |
| <b>電源構成</b>                     | <b>再エネ</b>   | <b>22.9%</b>                             | <b>4～5割程度</b>        |
|                                 | 太陽光          | 9.8%                                     | 22～29%程度             |
|                                 | 風力           | 1.1%                                     | 4～8%程度               |
|                                 | 水力           | 7.6%                                     | 8～10%程度              |
|                                 | 地熱           | 0.3%                                     | 1～2%程度               |
|                                 | バイオマス        | 4.1%                                     | 5～6%程度               |
|                                 | <b>原子力</b>   | <b>8.5%</b>                              | <b>2割程度</b>          |
| <b>火力</b>                       | <b>68.6%</b> | <b>3～4割程度</b>                            |                      |
| <b>最終エネルギー消費量</b>               |              | <b>3.0億kL</b>                            | <b>2.6～2.8億kL程度</b>  |
| <b>温室効果ガス削減割合<br/>(2013年度比)</b> |              | <b>22.9%</b><br><small>※2022年度実績</small> | <b>73%</b> (注)       |

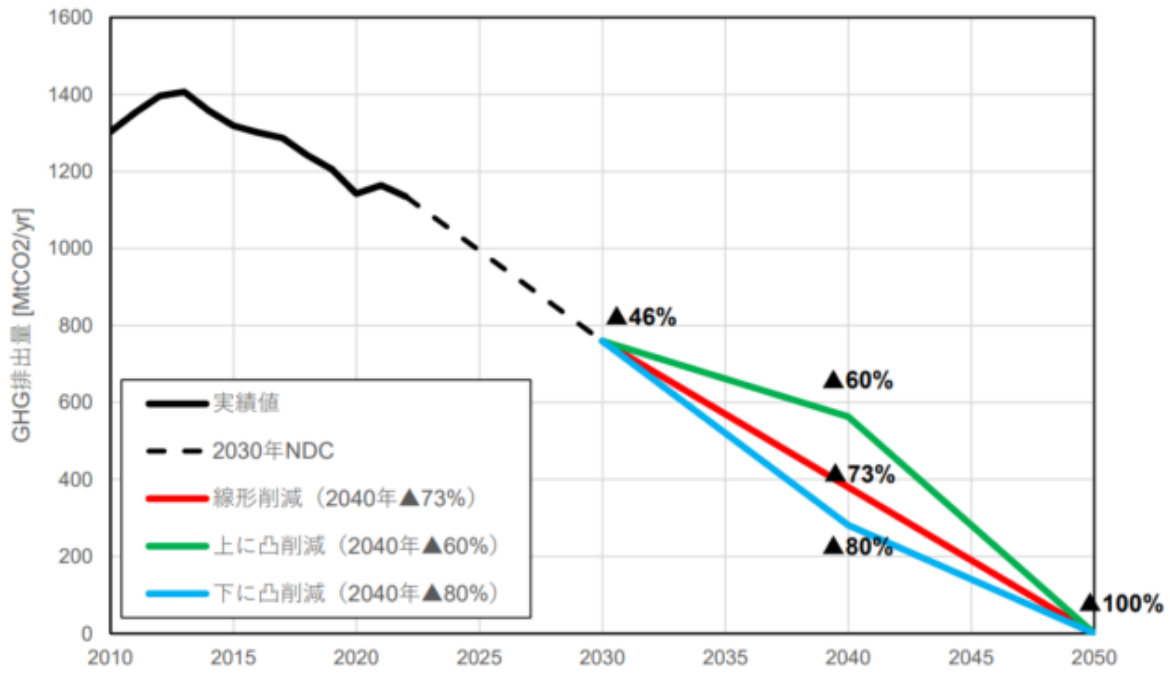
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# GHG排出量削減経路の想定



世界全体では、1.5°Cシナリオ+2030年各国NDCs+主要先進国は2050年CN  
(線形排出削減)を想定

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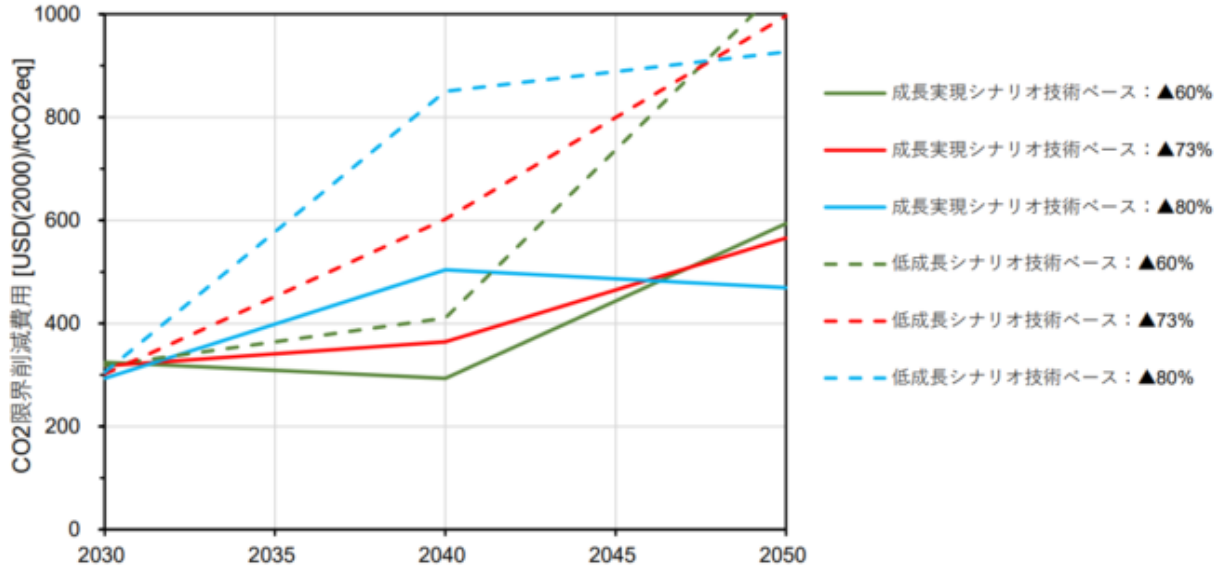


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# CO2限界削減費用：時系列



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

?? ?? · Wednesday, December 25th, 2024

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Halyna Romaniv/iStock

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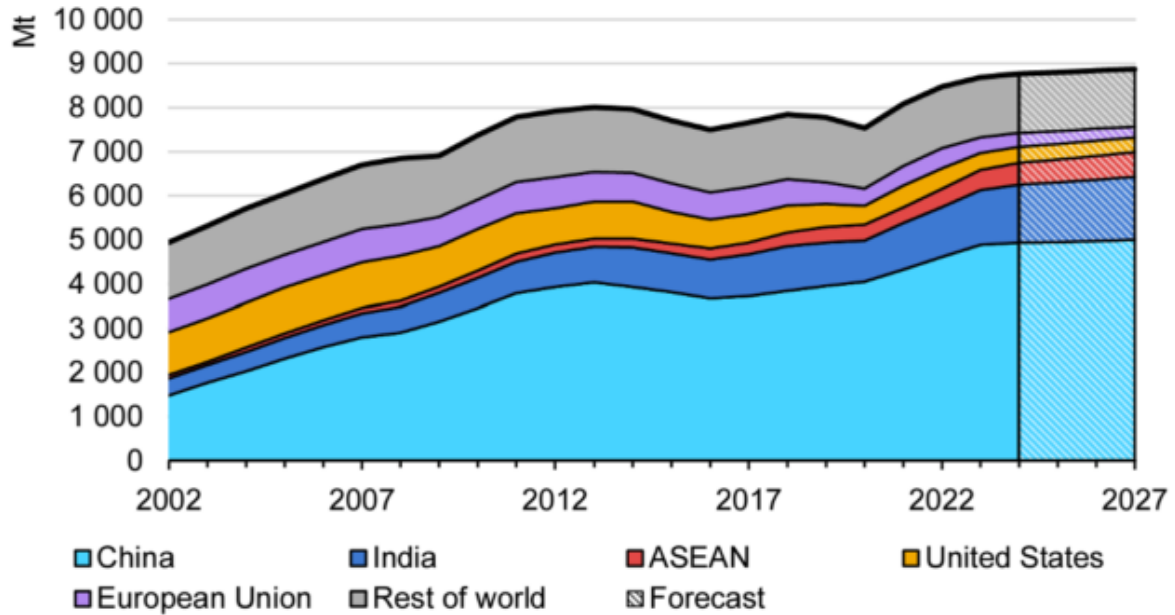
?? ?? · Monday, December 23rd, 2024



Sergei Chuyko/iStock

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### Global coal consumption, 2002-2027

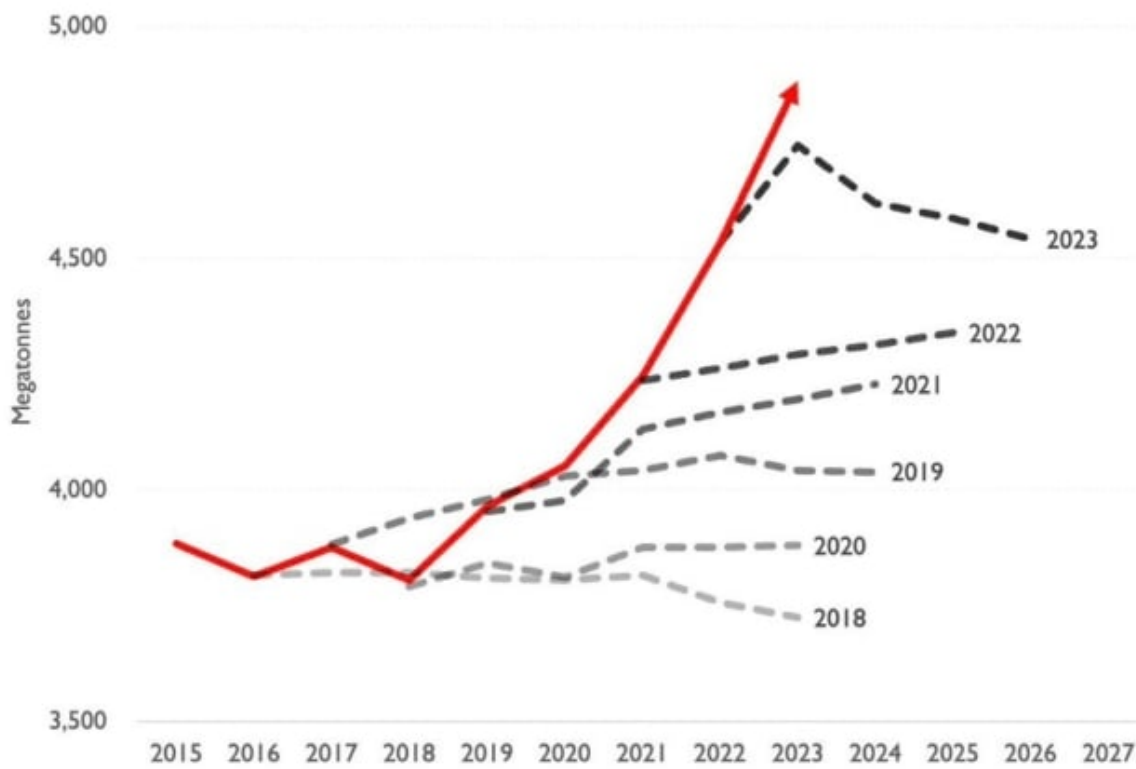


IEA. CC BY 4.0.

Coal2024??

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China Total Coal Demand: IEA forecasts vs what actually happened  
Chart: Ed Conway, based on Thunder Said Energy



Ed Conway??X????

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?? ?? · Saturday, December 21st, 2024



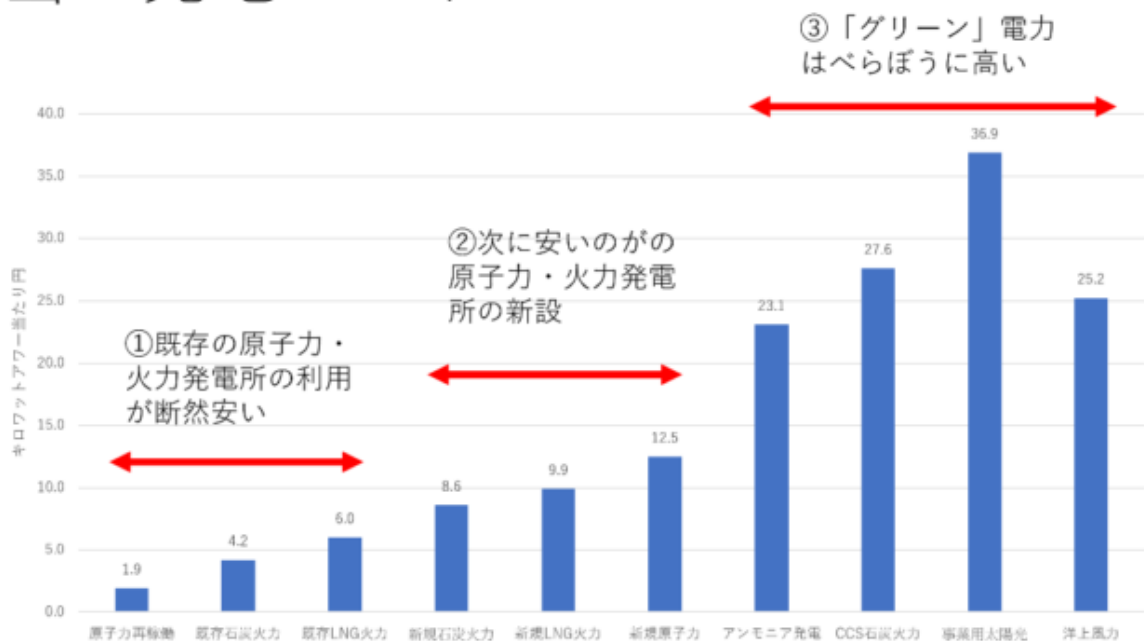
shotbydave/iStock

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# 本当の発電コスト



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?? ?? · Wednesday, December 18th, 2024

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Vitalii Petrushenko/iStock

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?? ?? · Monday, December 16th, 2024



Douglas Rissing/iStock

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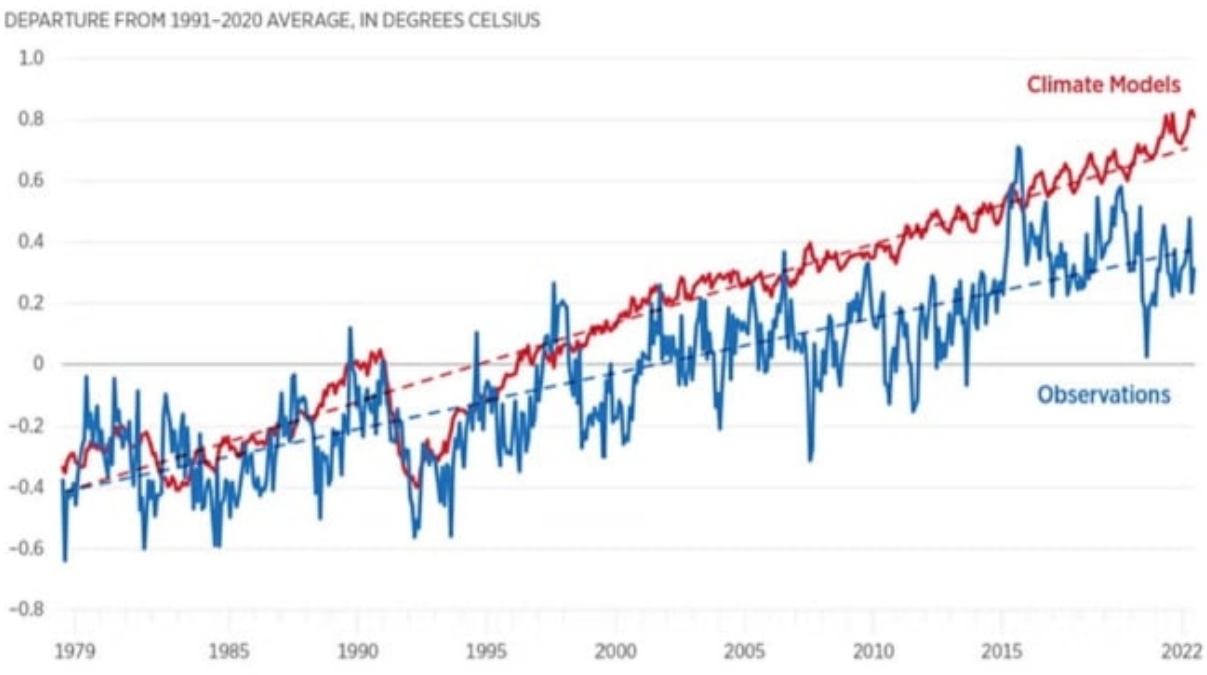
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**Global Warming: Observations vs. Climate Models**

# Global Average Surface-Air Temperature Variations, 1979–2022



**NOTE:** Figures have been adjusted to align trends starting in 1979.  
**SOURCES:** Author's calculations based on data from five different observation-based datasets and 36 climate models taking part in the sixth IPCC Climate Model Intercomparison Project, and KNMI Climate Explorer, "Starting Point," <https://climexp.knmi.nl/start.cgi> (accessed January 10, 2024).

BG3809 heritage.org

????????????1979-2022??  
 ?????????????????????????????????  
 ?????????????????????????????????

IPCC??  
 ???  
 CO2??  
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## The Unreliability of Current Global Temperature and Solar Activity Estimates and Its Implications for the Attribution of Global Warming

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

# ??????????CCS????????CCS???

?? ?? · Friday, December 13th, 2024



pcess609/iStock

????????????????????????????????????CCS?Carbon dioxide Capture & Storage????????????????????????????????CO2??

????????????????

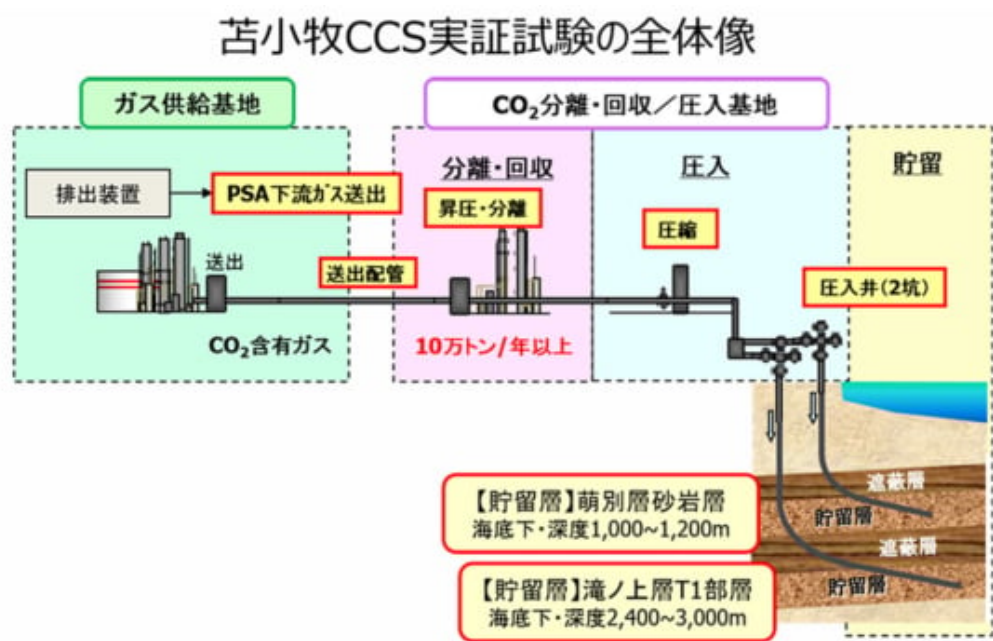
????CCS??????

????????????????CO2????????????CCS?CO2????????????

CCS?CO2??  
????????????????CO2????????????CCS????????????????????????????

??????2050????????????????????2030????CCS??  
????????????CO2????????????CCS??  
????????????????????????????????????

????????????????????????????CCS????????????????????????CO2?????????3,000????????  
??2012??2020????????????30??CO2????????????????????????



PSA (Pressure Swing Adsorption、圧カスイング吸着) :  
水素製造装置の生成ガスから高純度水素ガスを得る装置。PSA装置からの下流ガスには高濃度CO<sub>2</sub>が含まれる。

????????CCS????????

CCS??

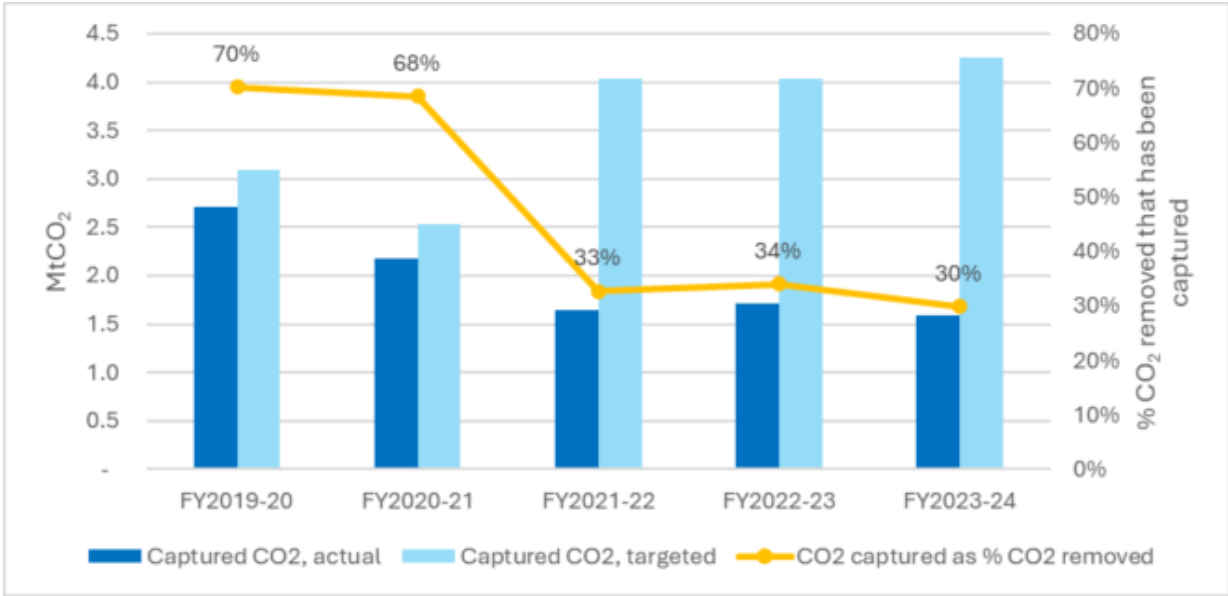
????????CCS??????

????????????CCS????????????????????????2019?8????????????CO2????????????  
2000m??CCS????????????CO2?80??  
????400????????????????

**Expensive failure: Flagship Gorgon CCS collects less CO2 in worst year | RenewEconomy**

????????2024????????160????????2019????????????

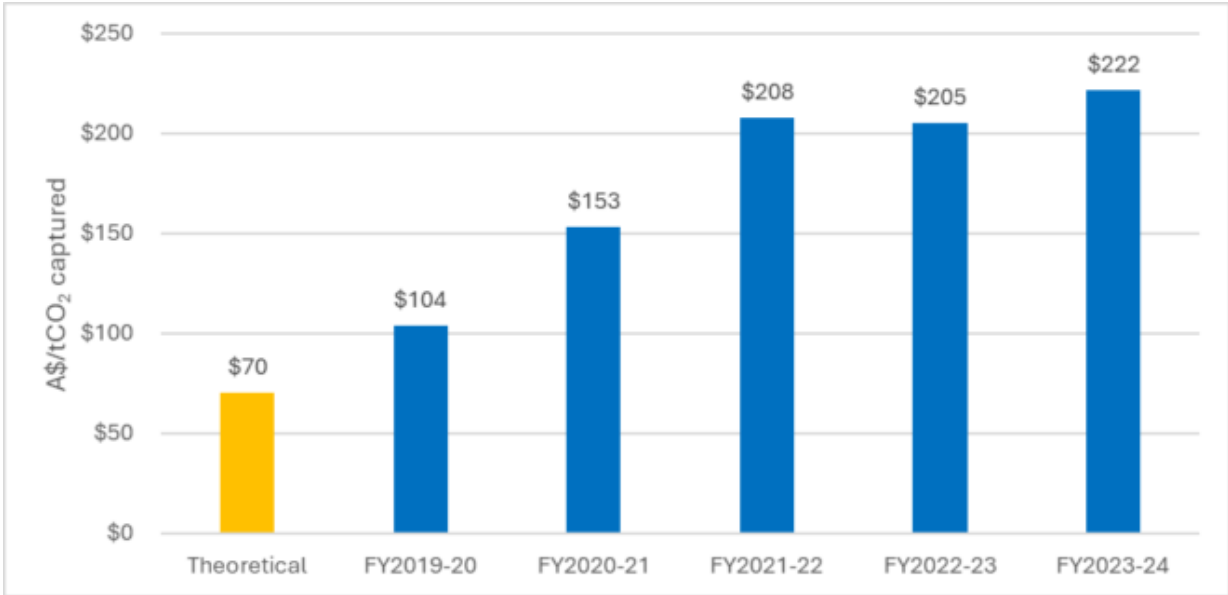




reneweconomy

2023 2019-20 10  
2024 9 144 CCS

CO2 2019-20 25 2023  
32 CO2 70 200  
1 40



reneweconomy

CO2 (i) (ii)  
CO2  
?

3

**5.2.1.1 CCS in the EU**

CCS is a key technology for decarbonising heavy industry and power generation. The EU has a leading role in the development and deployment of CCS, with several large-scale projects underway or planned. In 2023, the EU Commission announced the 'Fit for 55' package, which includes measures to support the deployment of CCS. The EU Emissions Trading System (EU ETS) also provides a financial incentive for CCS through a 'Carbon Leakage Adjustment' (CLA) for industrial sectors. The EU is also a major funder of CCS research and development through the Horizon Europe programme. The EU is working to create a 'CCS-friendly' regulatory environment, including the 'Carbon Border Adjustment Mechanism' (CBAM) and the 'Carbon Offsetting and Licensing Scheme' (CORSIA). The EU is also a major funder of CCS research and development through the Horizon Europe programme. The EU is working to create a 'CCS-friendly' regulatory environment, including the 'Carbon Border Adjustment Mechanism' (CBAM) and the 'Carbon Offsetting and Licensing Scheme' (CORSIA).

**5.2.1.2 CCS in the UK**

The UK has a long history of CCS, with the world's first commercial CCS plant, the Boundary Dam, operating in 1982. The UK has several large-scale CCS projects underway or planned, including the Humber and East Angles. In 2023, the UK Government announced the 'Net Zero Strategy', which includes measures to support the deployment of CCS. The UK Emissions Trading System (UK ETS) also provides a financial incentive for CCS through a 'Carbon Leakage Adjustment' (CLA) for industrial sectors. The UK is also a major funder of CCS research and development through the Horizon Europe programme. The UK is working to create a 'CCS-friendly' regulatory environment, including the 'Carbon Border Adjustment Mechanism' (CBAM) and the 'Carbon Offsetting and Licensing Scheme' (CORSIA).

**5.2.1.3 CCS in the USA**

The USA has a long history of CCS, with the world's first commercial CCS plant, the Boundary Dam, operating in 1982. The USA has several large-scale CCS projects underway or planned, including the Humber and East Angles. In 2023, the USA Government announced the 'Inflation Reduction Act', which includes measures to support the deployment of CCS. The USA Emissions Trading System (USA ETS) also provides a financial incentive for CCS through a 'Carbon Leakage Adjustment' (CLA) for industrial sectors. The USA is also a major funder of CCS research and development through the Horizon Europe programme. The USA is working to create a 'CCS-friendly' regulatory environment, including the 'Carbon Border Adjustment Mechanism' (CBAM) and the 'Carbon Offsetting and Licensing Scheme' (CORSIA).

**5.2.1.4 CCS in China**

CCS is a key technology for decarbonising heavy industry and power generation. The EU has a leading role in the development and deployment of CCS, with several large-scale projects underway or planned.

**5.2.1.5 CCS in India**

CCS is a key technology for decarbonising heavy industry and power generation. The EU has a leading role in the development and deployment of CCS, with several large-scale projects underway or planned.

**5.2.1.6 CCS in Japan**

CCS is a key technology for decarbonising heavy industry and power generation. The EU has a leading role in the development and deployment of CCS, with several large-scale projects underway or planned.

**5.2.1.7 CCS in South Korea**

CCS is a key technology for decarbonising heavy industry and power generation. The EU has a leading role in the development and deployment of CCS, with several large-scale projects underway or planned.

**5.2.1.8 CCS in Australia**

CCS is a key technology for decarbonising heavy industry and power generation. The EU has a leading role in the development and deployment of CCS, with several large-scale projects underway or planned.

CCS is a key technology for decarbonising heavy industry and power generation. The EU has a leading role in the development and deployment of CCS, with several large-scale projects underway or planned.

2017-2022, the EU has supported the deployment of CCS through the Horizon Europe programme. The EU is working to create a 'CCS-friendly' regulatory environment, including the 'Carbon Border Adjustment Mechanism' (CBAM) and the 'Carbon Offsetting and Licensing Scheme' (CORSIA).

The EU is also a major funder of CCS research and development through the Horizon Europe programme. The EU is working to create a 'CCS-friendly' regulatory environment, including the 'Carbon Border Adjustment Mechanism' (CBAM) and the 'Carbon Offsetting and Licensing Scheme' (CORSIA).

CCS is a key technology for decarbonising heavy industry and power generation. The EU has a leading role in the development and deployment of CCS, with several large-scale projects underway or planned.

CCS is a key technology for decarbonising heavy industry and power generation. The EU has a leading role in the development and deployment of CCS, with several large-scale projects underway or planned.

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

# COP29???????

?? ? · Thursday, December 12th, 2024



COP29??????????

????COP29?????????

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????2035??????????1.3??????????7?????????3000??????????8????2????????????

????7?????????1.3??  
??8?????????3000????????????

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3000??  
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NCQG????????????????????



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deal??????

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????COP29????2025????????????????????????????????????  
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6?2????JCM??2????????????????  
??EU????????

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**COP29???**

COP29????????????3000????????????  
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1.5?2?? 1.5??2050??

2023?1.5??

3000?1.3??2035??3000??

1000?13??3000

drill, baby, drill)?

4?4??EU??3000??10??

1.5??2050??

1.5??IPCC?6??1.5??CO2?2030??48? 2035??65??2019??2030??9??2030?35??7.6??

2020?2019?75.8??10??

17?SDGs??15??9??

NDC??2??

1.5??

2024?2025??2035??NDC??NDC??UNEP??1.5??

COP30??NDC??NDC??

EU??

2024?10??BRICS??EU??CBAM??

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

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

?? ?? · Thursday, December 12th, 2024



privetik/iStock

?????12?9????????????????????7?????????????????2040????????????????????4?5??????????????????

## ??????40????4~5???????????????

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??4?5????????????????????????????3?4??????????????????

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??2010????????????????????14?????21????????????????  
????2022??????28?????34?????????

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???2023?5????????????????????????Gx??????10???150???Gx????????????

????????????????????????150????????1????120????3?????360????????????????????????CO2  
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Posted in ??????????, ??? | No Comments »

### COP29????????

?? ? · Wednesday, December 11th, 2024



COP29??????????

11?16??24????????????????????COP29????????????COP29????????????????????

**COP29??COP**

2023??COP28????????????COP????????COP29????COP????

COP28????????????1.5????????????2030????????????  
transition away from fossil  
fuels????????????NDC????????2030????6????2050????????  
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**NCQG???????**

COP29????????2025????????NCQG?New Collective Quantitative Goals????????

????????2009????????2010????????2020????1000????????2015????????2  
025????????1000????????2025????????????????1000????????  
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????COP????????????2024??COP29????????CO  
P21????????COP????????

????NCQG????????1.????????1.3????????  
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1000? 100 billion USD? 10? trillion USD? Not billion, but trillion?

NCQG

2000

2000? NCQG? 2000?

shall provide? encouraged to provide or continue to provide? mobilize?

1? shall provide? encouraged to provide or continue to provide? mobilize?

NCQG

**?**

COP? COP?

COP28? UAE?

UAE?

**?**

COP29? 22? 24? 4?

NCQG

**?**

2035? 1? 3,000?

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9? 1/CP.21? 53? (a) (b) (c)

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????2035????????????3000????????????????????????????

**????9**

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**????27**

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1.3????????????COP29????????????COP30????????????????????????????????

?COP29????????????

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

**???CO2????????????????????**

?? ?? · Tuesday, December 10th, 2024



NicoElNino/iStock

????????11?25????????????????????CO2????2035??60??2040??73????????????2013????  
????????2050??CO2????????2013??  
1 2 3 ?????????????????????

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

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?? ?? ? - Friday, December 6th, 2024



butenkow/iStock

1984 50

**Trusted Flaggers**

1

2 100 3 10

22 7

11 12 6 15 64





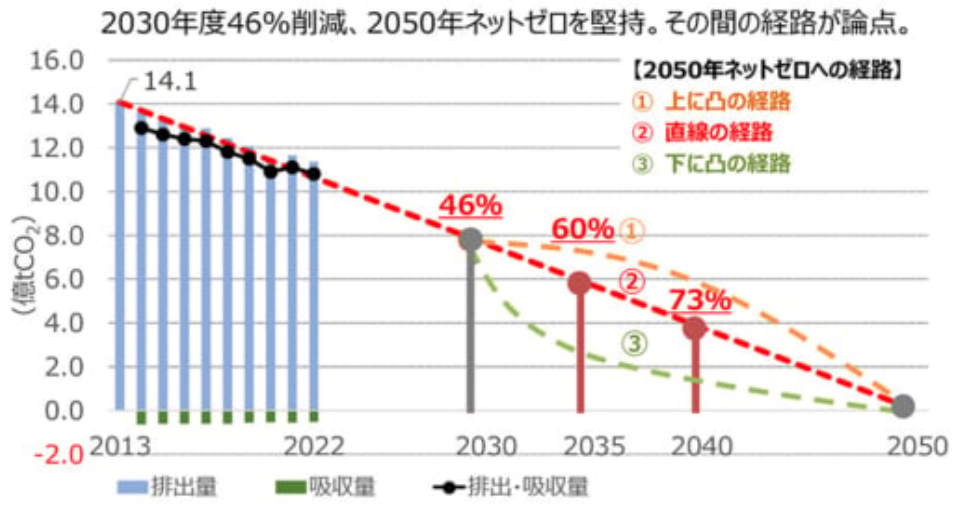
????????10?31????????2035??CO2?60????????????????????????????????????

????????????????????????????2050??  
?????WG ??????6??

2050??

????????????????4????????CO2????????????3?????

### 日本の排出削減の現状と次期NDC（Nationally Determined Contribution）水準



#### NDCについての代表的な見解

|          |  |
|----------|--|
| ① 上に凸の経路 | <ul style="list-style-type: none"> <li>技術の革新が生まれ、排出削減が将来加速することを踏まえると、上に凸といった考えもある。</li> </ul>    |
| ② 直線の経路  | <ul style="list-style-type: none"> <li>2050年ネットゼロと整合的な道筋を示し続けることが、企業・社会にとって予見可能性を高める。</li> </ul> |
| ③ 下に凸の経路 | <ul style="list-style-type: none"> <li>世界平均以上の目標を掲げるという姿勢を示すことで、はじめて途上国が動く。</li> </ul>           |

2030年度から先の削減目標、削減経路については、多様なご意見があったところ、**2050年ネットゼロ実現に向けた我が国の明確な経路**を示し、排出削減と経済成長の同時実現に向けた予見可能性を高める観点から、**直線的な経路を軸に検討を進めることとどうか。**

2035??60??

??2????????????????

### これまでの合同会合でいただいた次期目標に関する主なご意見

- 経済合理的に考えると上に凸の形になり、過去を見ても同様の経路であったことも理解しながら、今後の2035年度や2040年度の目標を考える必要がある。
- 農業分野でも、最初はスロースタートでだんだんと指数関数的に伸びていく形（削減経路）を取らざるをえない状況。雇用を維持しながら国内の自給率を高める意味では、他の産業でも、農業と共通する部分がある。
- このままエネルギー多消費産業の衰退が進めば、経済と環境の好循環は達成されず、雇用も失われる。1.5℃目標への整合は目指しつつ、ある程度柔軟性を持った排出削減目標を考える必要がある。
- イノベーションによる排出削減効果が現れるまでに時間がかかることを踏まえ、上に凸で将来急速に下がる合理的なパスが、2050年ネットゼロに向けて直線的な削減を目指すべきか、G7の一員としての日本の国際的な発信の在り方も考えながら検討を深めるべき。
- 将来的にネットゼロにするだけでなく、早期の排出削減の考え方の下、カーボンバジェットの考え方を忘れずに、海外への貢献も含めて検討する必要がある。
- グローバルストックテイクで合意された、2019年比2035年60%削減に沿って、次期NDCを考えていく必要。野心的な数値目標は、企業にとってイノベーションのきっかけにもつながる。
- 2050年ネットゼロ、1.5度目標と整合的な道筋を示し続けるということが、企業・社会にとって予見可能性を高めることにつながる。
- 国際的な1.5℃目標や日本の2050年ネットゼロ目標に整合した意欲的な目標を掲げるべきであり、それをダウングレードするようなシグナルを社会に発するべきではないが、現実的な政策に知恵を出すことが必要。
- 最終的に目指すべきゴールについて、専門性を持った各セクターが共通認識を持って取り組むことが重要。その最終ゴールからバックキャストして高い目標を掲げることが重要。

2

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

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?? ?? · Wednesday, December 4th, 2024



Lari Bat/iStock

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?2?10????????????????????

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

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?? ?? · Tuesday, December 3rd, 2024



malerapaso/iStock

11?24??COP29?????2035????????????????????????????????3000????????????????????????????48????  
 ???CO2??  
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Figure 1. Climate finance provided and mobilised in 2013-2022 (USD billion)



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Climate Finance Provided and Mobilised by Developed Countries in 2013-2022

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

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?? ?? · Sunday, December 1st, 2024

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GX  
AI

GX AI

GX 2040 100

<https://agora-web.jp/archives/240629162834.html>

BAR[ ]

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

# COP29????????????????????????????????

?? ?? · Saturday, November 30th, 2024



COP29????????????

11?15??22????????????????????COP29????????????????????

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COP29??????  
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**??????COP29??????**

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1122  
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??2026?1?20????

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

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?? ?? · Tuesday, November 26th, 2024



InnaFelker/iStock

11??12??13????????????????????CLINTEL????????????????????”Climate change, facts and myths in the light of science”????????????????????

**Two day Clintel conference in the Parliament of Prague – Clintel**

??CO2??

??CLINTEL??World Climate Declaration????????????????????1961??

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1. ???
2. ???
3. ???
4. ???

- 5. ???
- 6. ???
- 7. ???
- 8. ???
- 9. ???????100??4??99?????
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- 11. ???1990????????????
- 12. ???2050????????????  
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- 13. ?????????????????????2050????????????????????????????????  
??4000??1??????
- 14. ?????????????????????????????????????378,000????????????25????  
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- 15. ???  
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- 16. ?????????????????????????????????????15????????????????????  
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- 17. ?????????????????????????????????????1TWh????????????????  
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- 18. ???  
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**IPCC?????63????????????????**

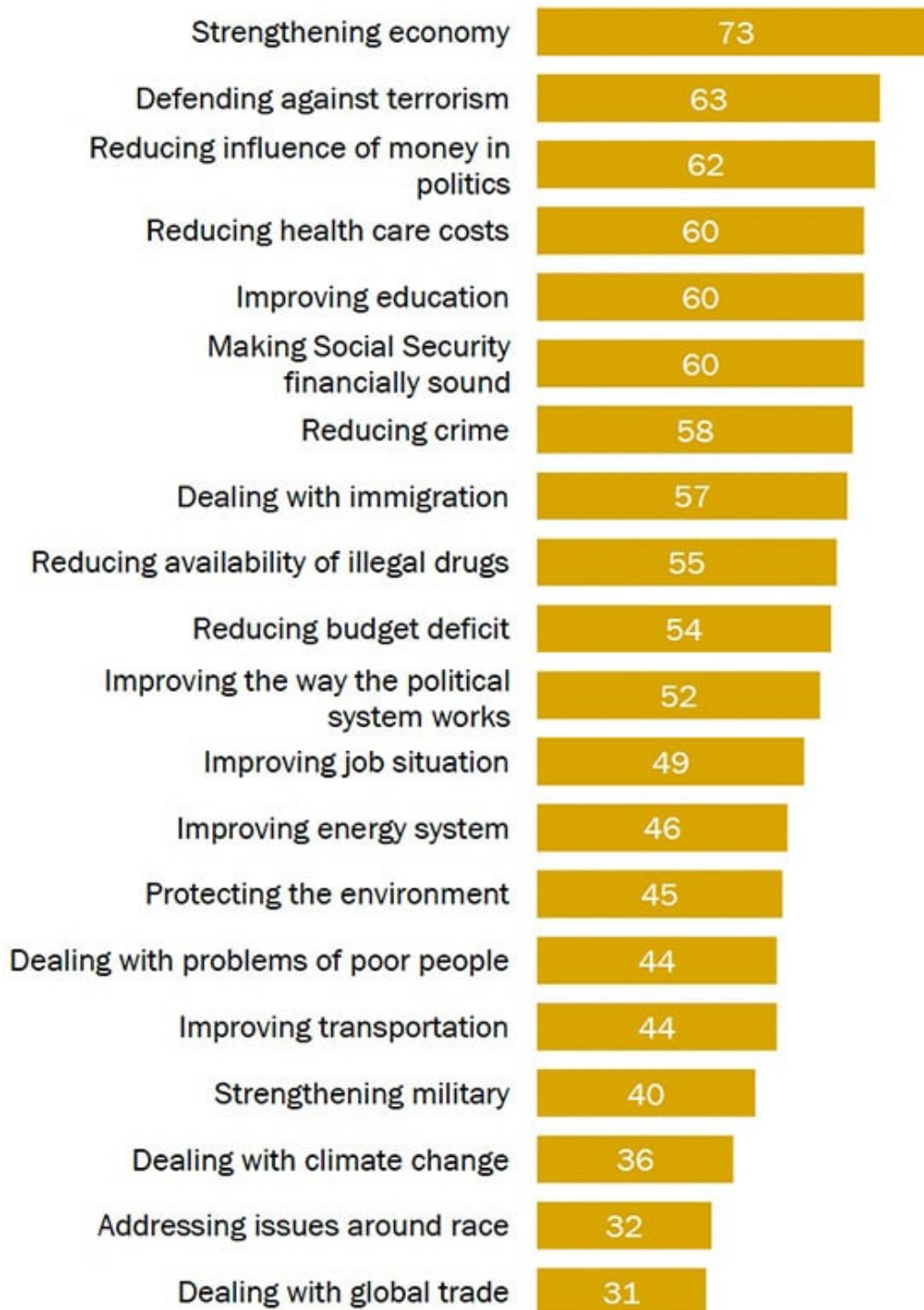
CLINTEL??2019?9?23????????????????????????????500????????  
 ?????????????????????????????????????1961????????

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



## Americans' top policy priority this year? Strengthening the economy

*% who say \_\_\_ should be a top priority for the president and Congress to address this year*



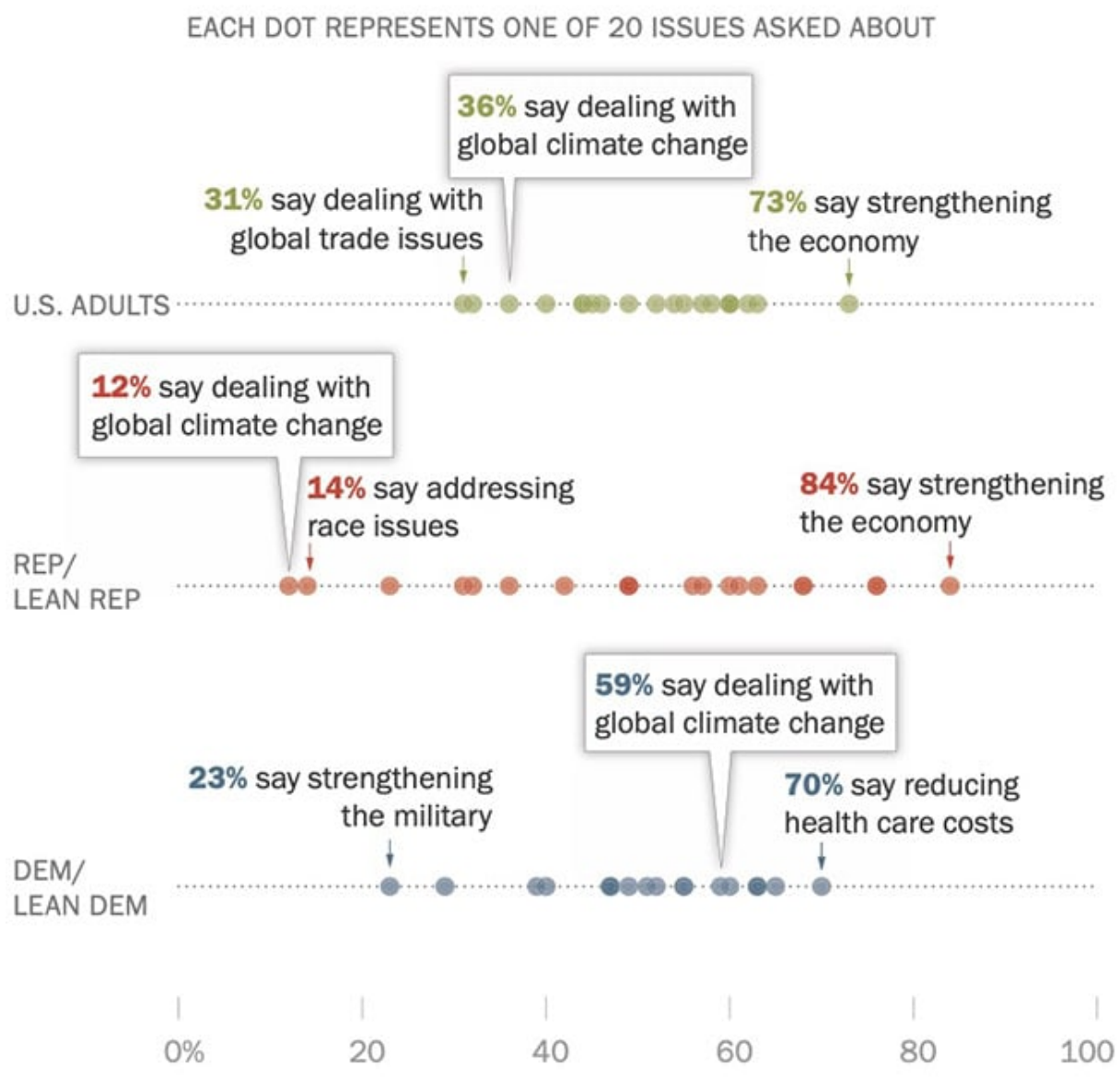
Source: Survey of U.S. adults conducted Jan. 16-21, 2024.

**PEW RESEARCH CENTER**

????????????????????????84??12????????????????????????????59????????????????  
??????????

# Republicans rank climate change at the bottom of their priorities for the president and Congress in 2024

% of U.S. adults who describe each of the 20 issues asked about as a top priority for the president and Congress



Note: Respondents who gave other responses or did not give an answer are not shown.  
Source: Survey of U.S. adults conducted Jan. 16-21, 2024.

**PEW RESEARCH CENTER**



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??11?16?????????Truth  
Social??

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2017?4?7??  
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I-1. J-クレジット制度の概要と目的

- J-クレジット制度とは、省エネ・再エネ設備の導入により排出削減されたり、森林管理により吸収されたりしたCO<sub>2</sub>等の温室効果ガスの量を認証し、認証分の「クレジット」を発行する国の制度。
- クレジットは、排出削減実績を主張する権利を「証券化」したようなものであり、自らも排出削減に努めているが、もっと（実態以上に）排出削減した“ことにしたい”者へ、**移転・売却することが可能。**
- こうした売買が、クレジットの創出者と購入者との間の自由取引（量も価格も自由）で行われることにより、「市場メカニズム」の下、地球温暖化対策の資金を循環させ社会全体で最適に配置させることが目的（認証それ自体、あるいは認証を通じた排出削減・吸収の“称揚”が最終目的ではない）。



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CEO????????????????????????Verra????????????????????????????????????Verra????  
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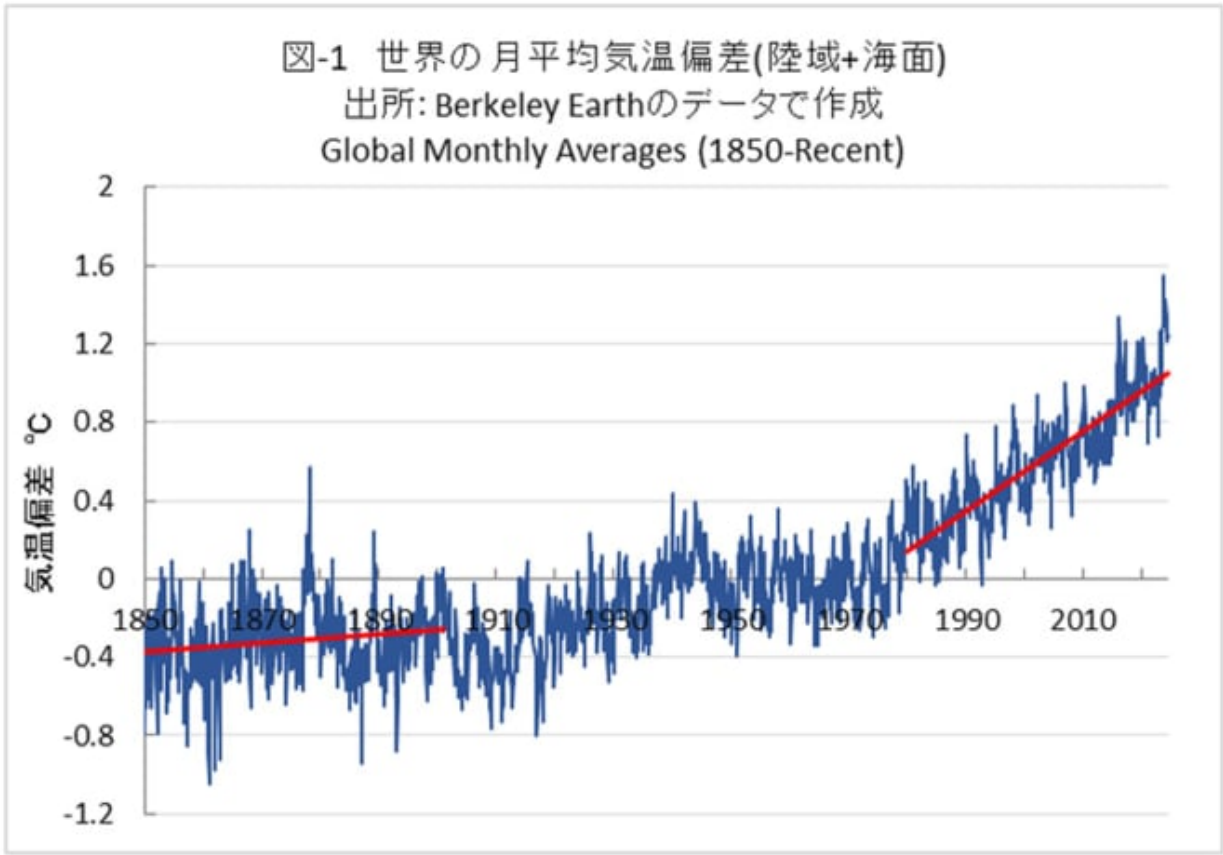


ImagineGolf/iStock

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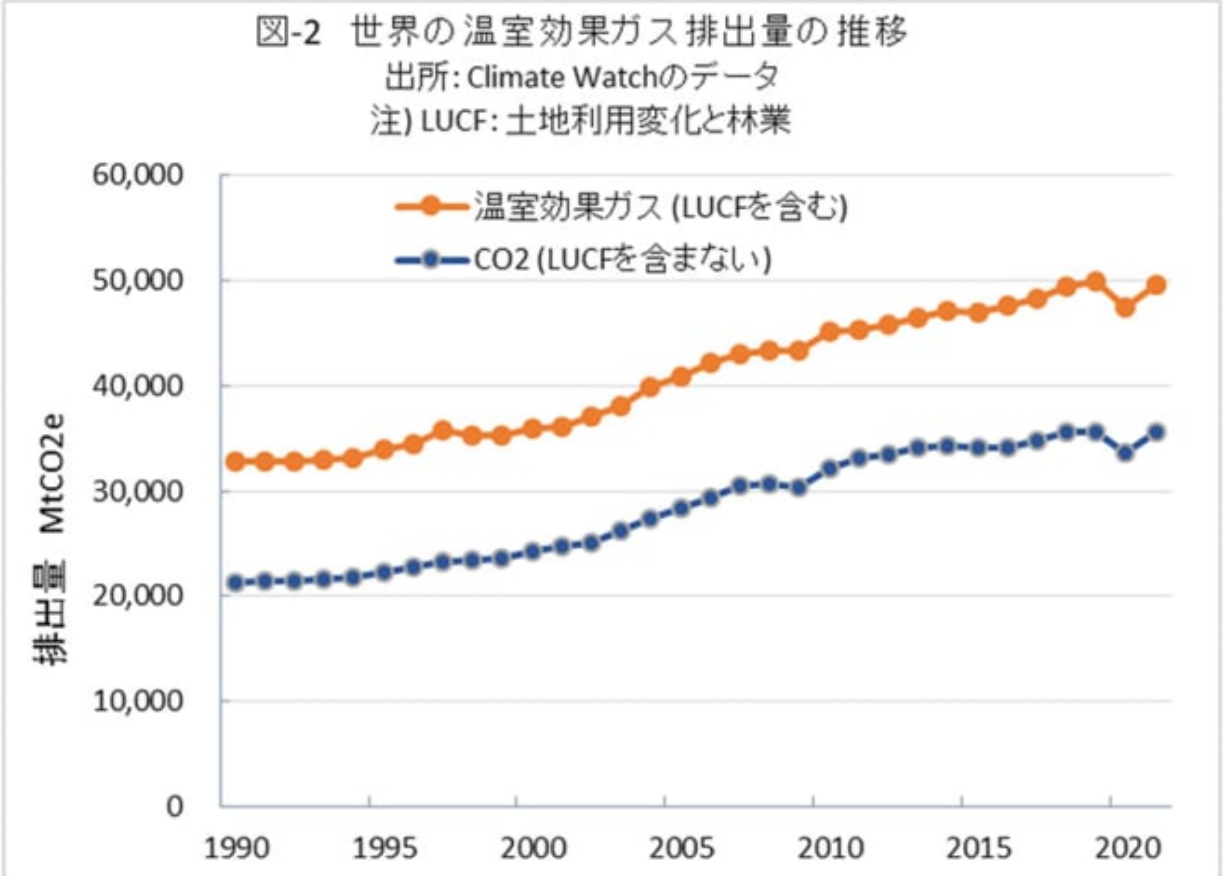
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Watch?Data

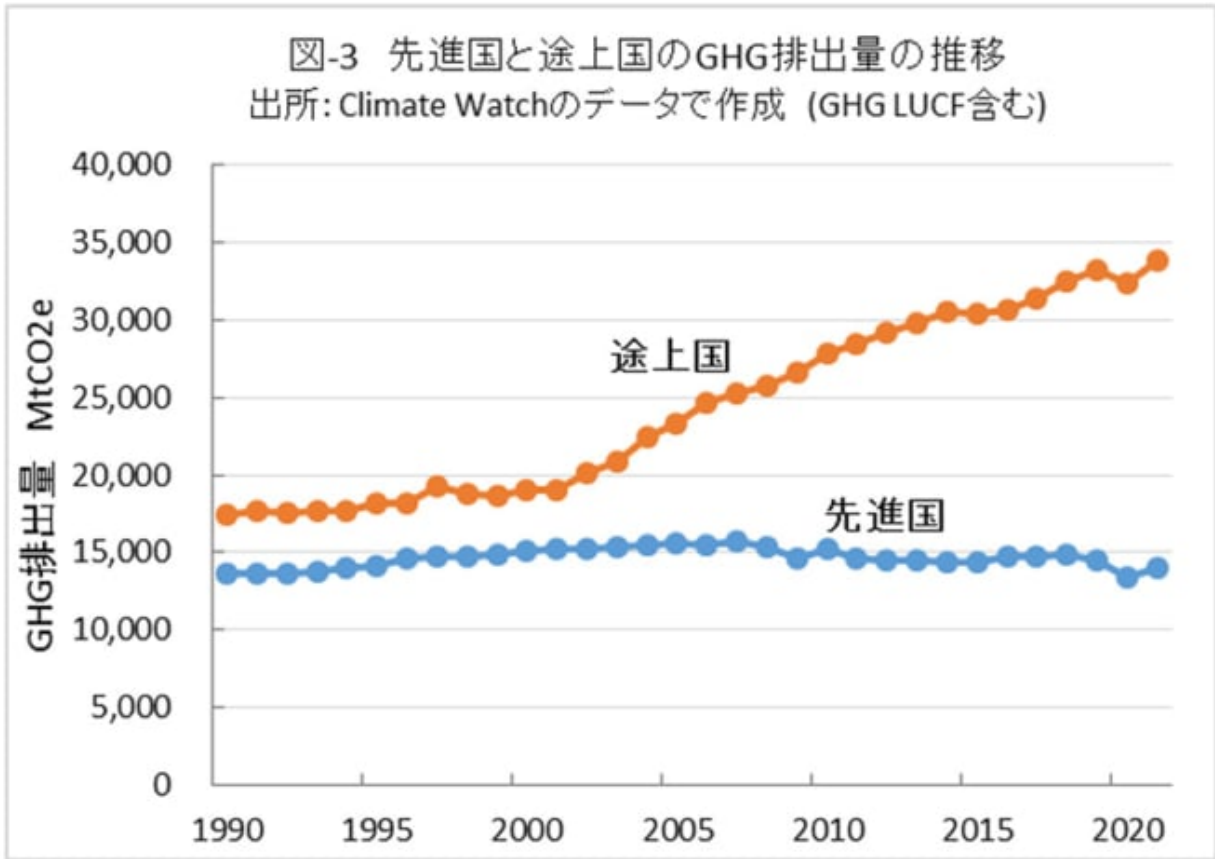
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?1??1???GNI????4????????World Bank country classifications by income level??FY22??????2021-2022???????????????

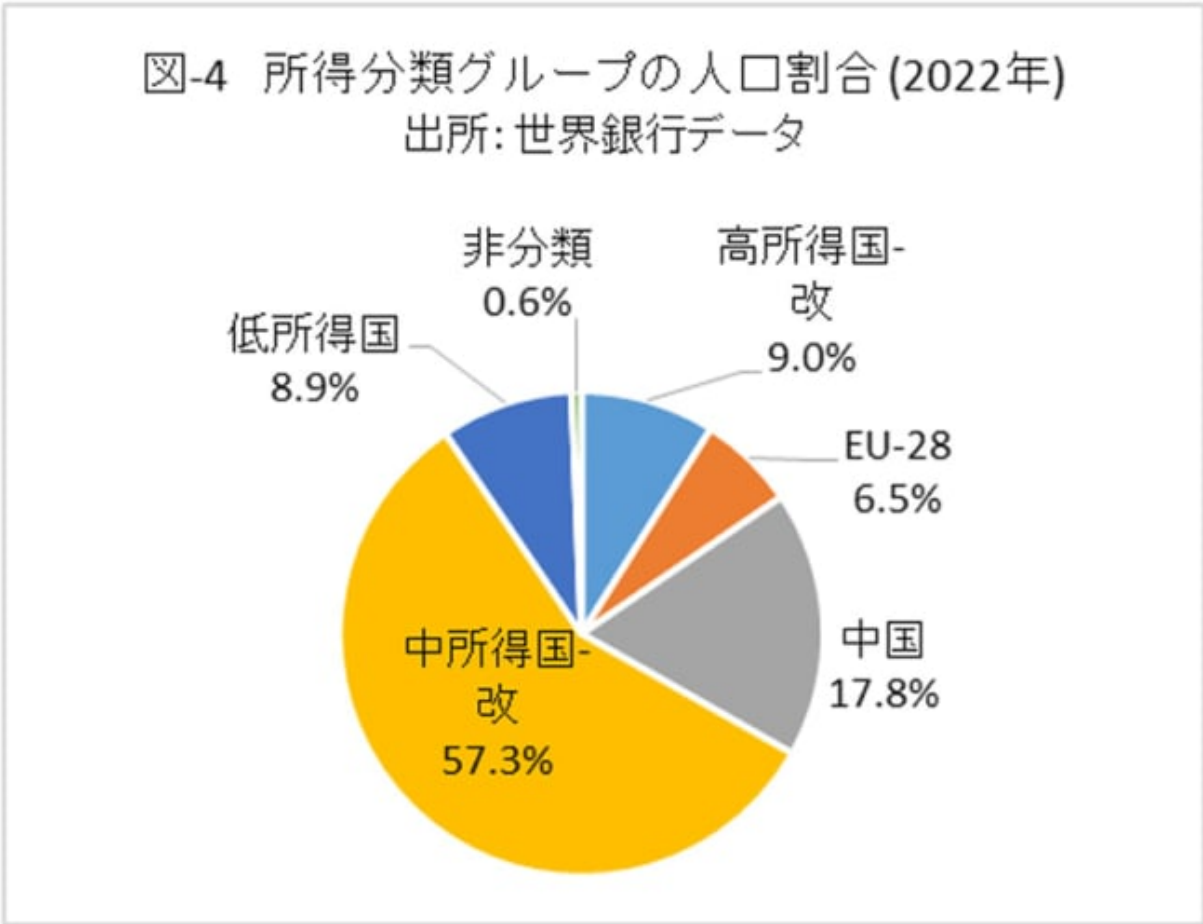
表-1 世界銀行の所得水準による国分類と本報告の国分類

| 本報告の分類 | 世界銀行、所得水準による国別分類 (FY22)       |                | 本報告での分類名称 | 備考                  |
|--------|-------------------------------|----------------|-----------|---------------------|
|        | 分類名称                          | 1人当たりGNI, USD  |           |                     |
| 先進国    | High income countries         | > 12,695       | 高所得国-改    | EU除く                |
|        |                               |                | EU-28     | 英国含む27カ国<br>ブルガリア含む |
| 途上国    | Upper-middle income countries | 4,096 - 12,695 | 中国        |                     |
|        | Lower-middle income countries | 1,046 - 4,095  | 中所得国-改    | 中国、ブルガリア除く          |
|        | Low income countries          | <1,045         | 低所得国      |                     |

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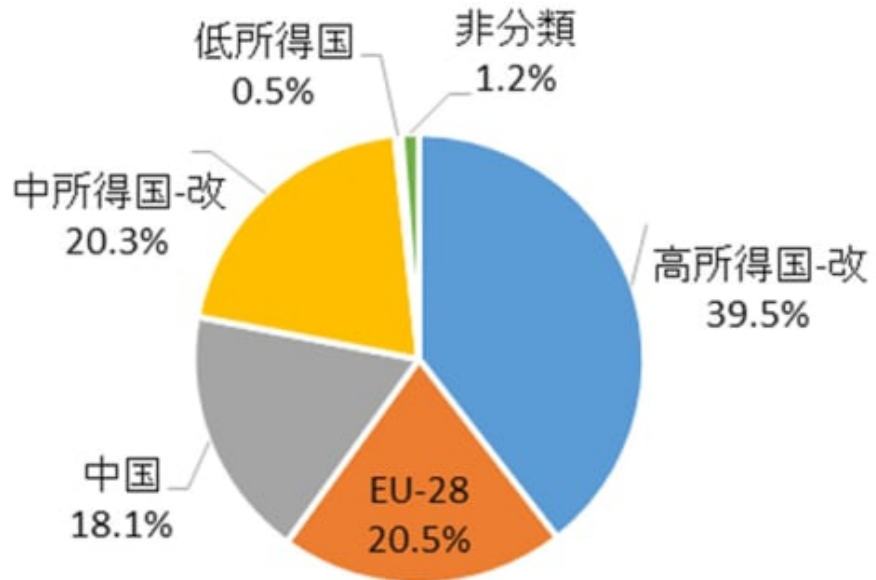
200 GHG GDP 5



4

GHG 2022 3/4 GDP 40%

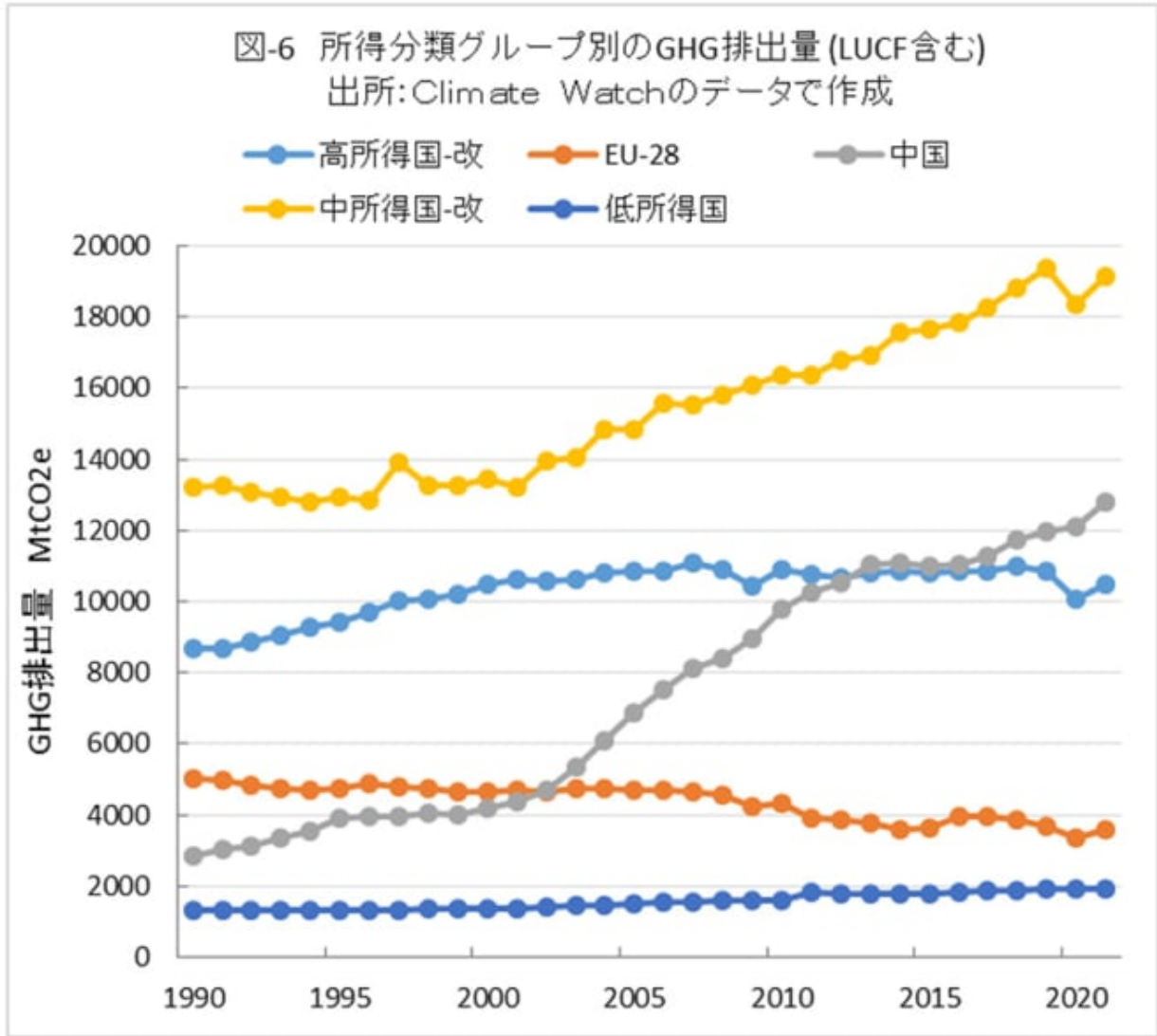
図-5 所得分類グループの実質GDP割合 (2022年)  
出所: 世界銀行データ (constant 2015 USD)



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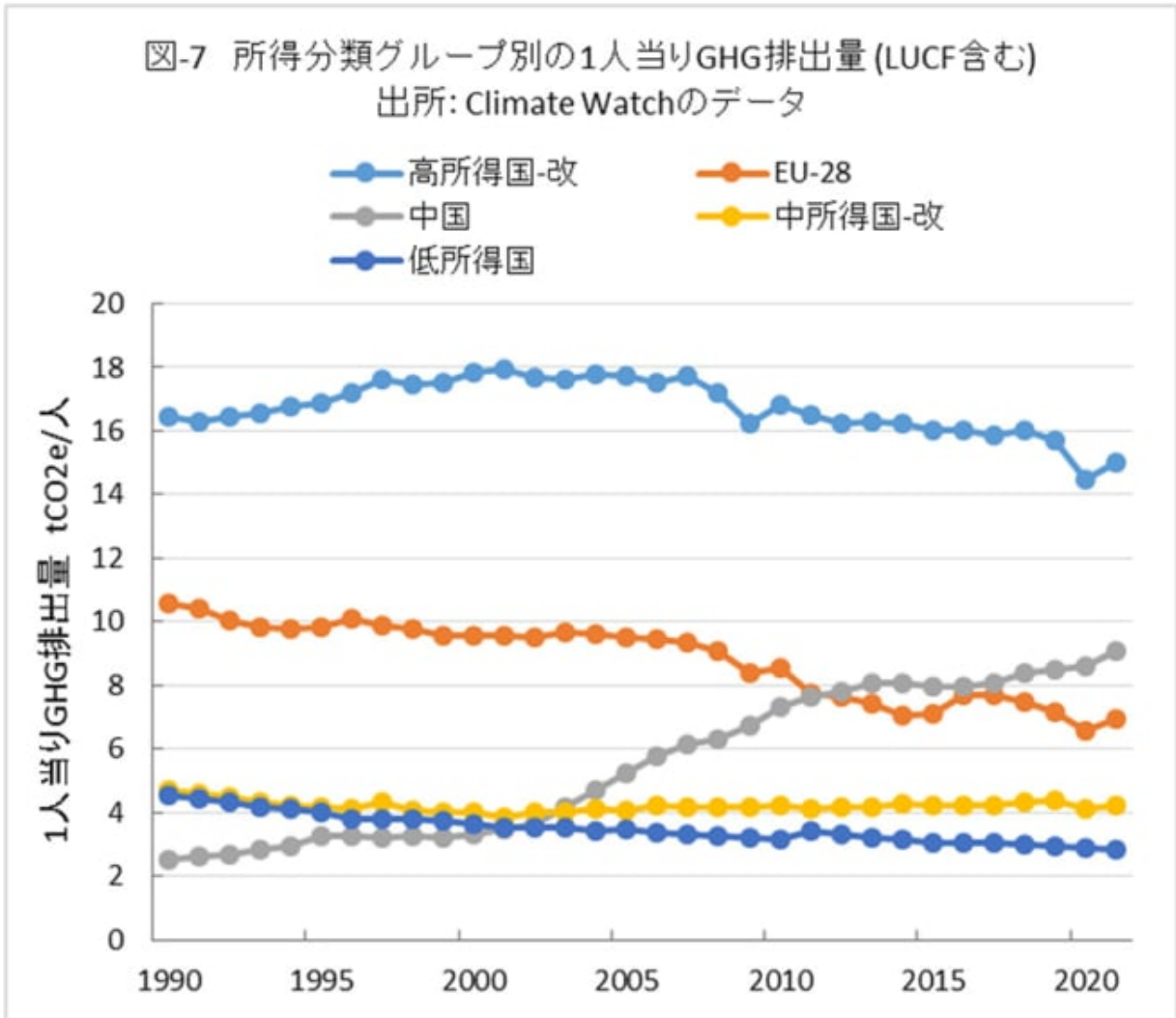
EU-28?GHG????????????????????-????????????????????-  
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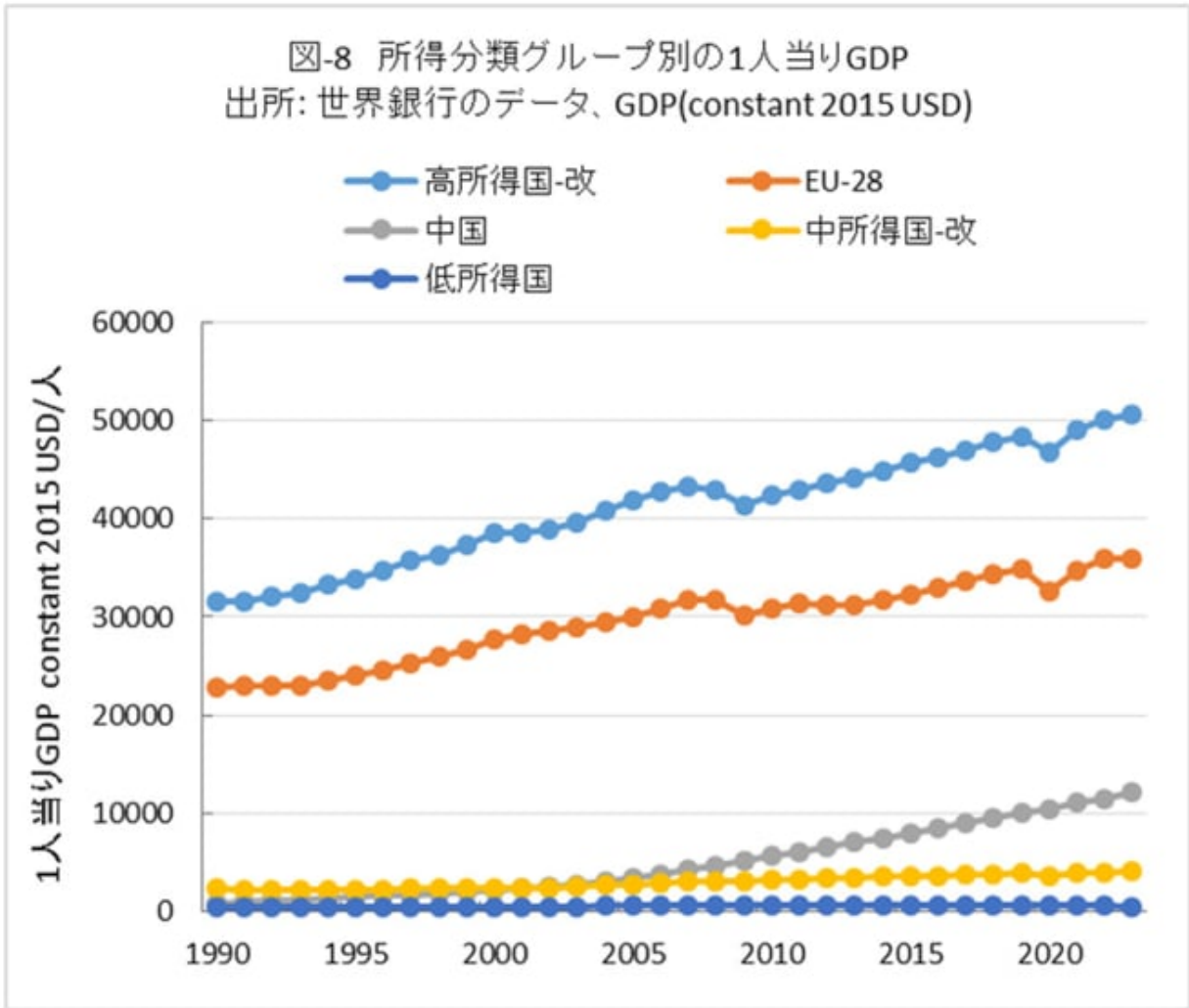
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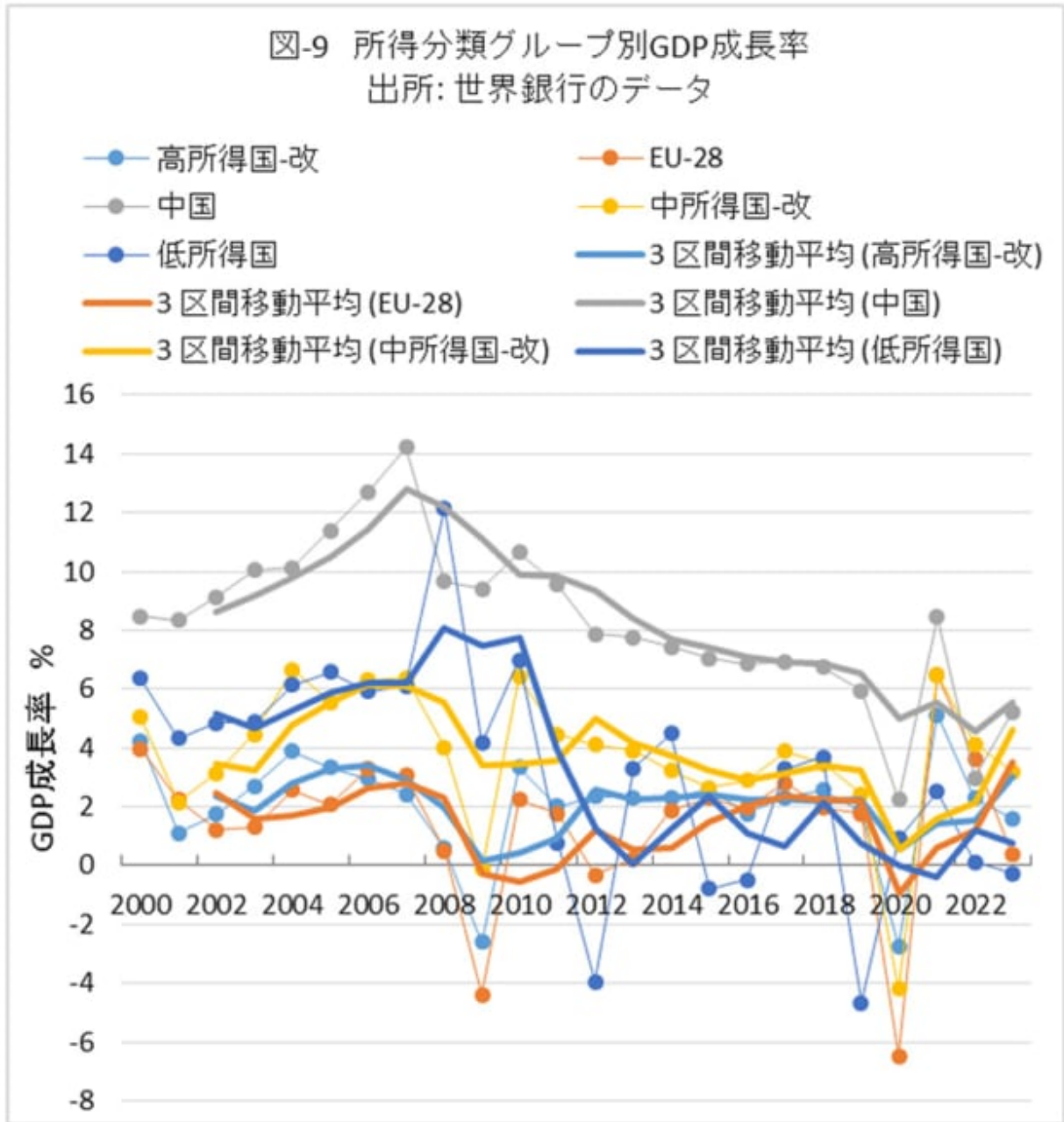
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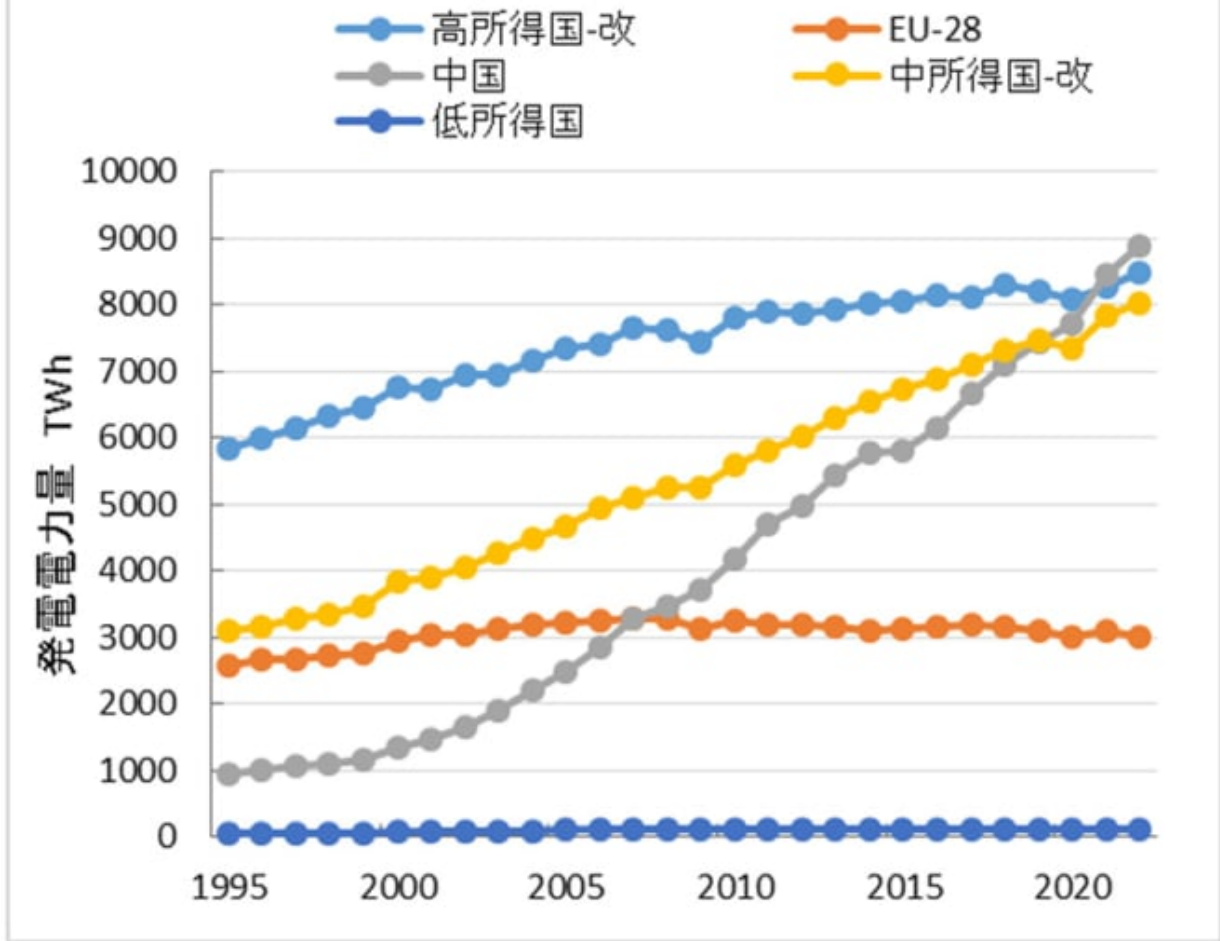
2010??GHG??

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図-11 所得分類グループ別の年間発電電力量  
出所: 米国エネルギー情報局(EIA)のデータ



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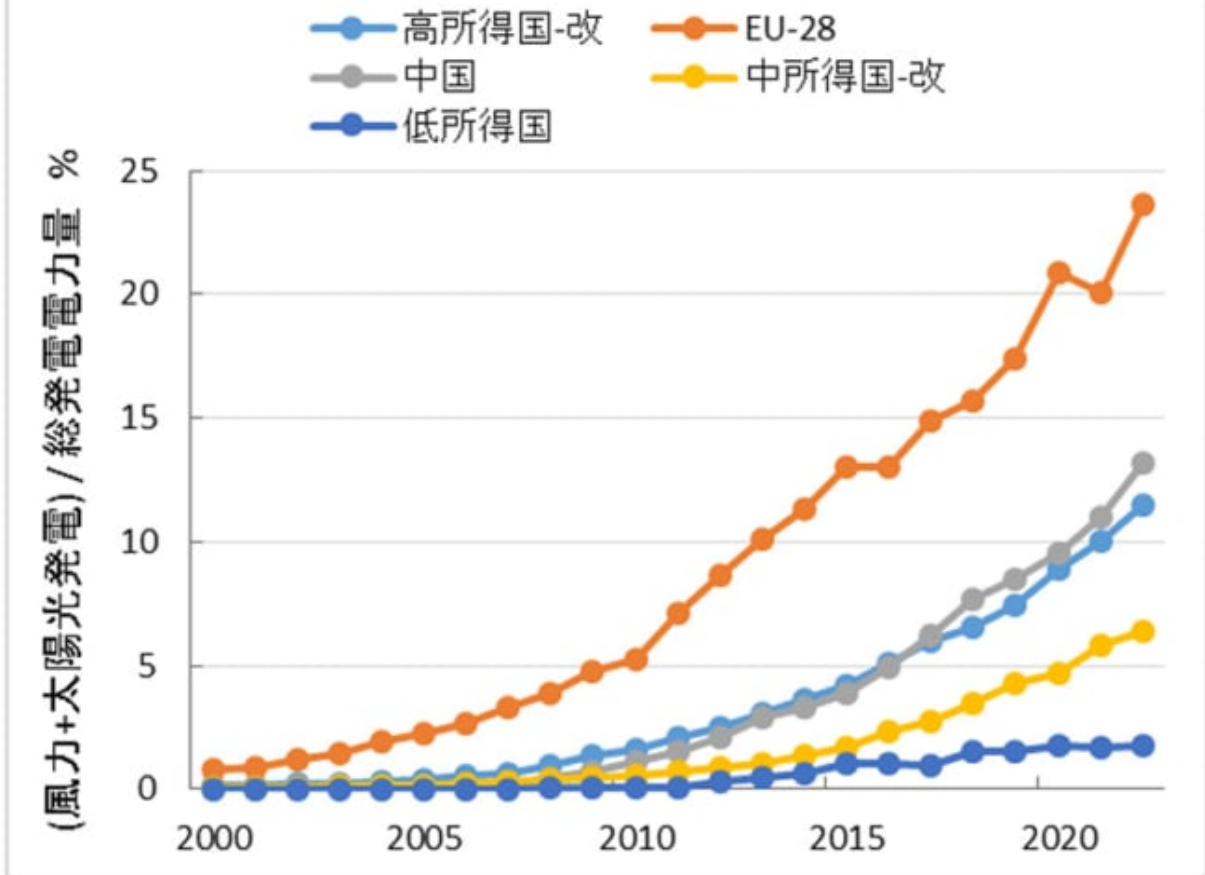
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図-12 所得分類グループ別の風力と太陽光発電の電力量比率 (風力発電+太陽光発電)/総発電電力量  
出所: 米国エネルギー情報局(EIA)のデータ

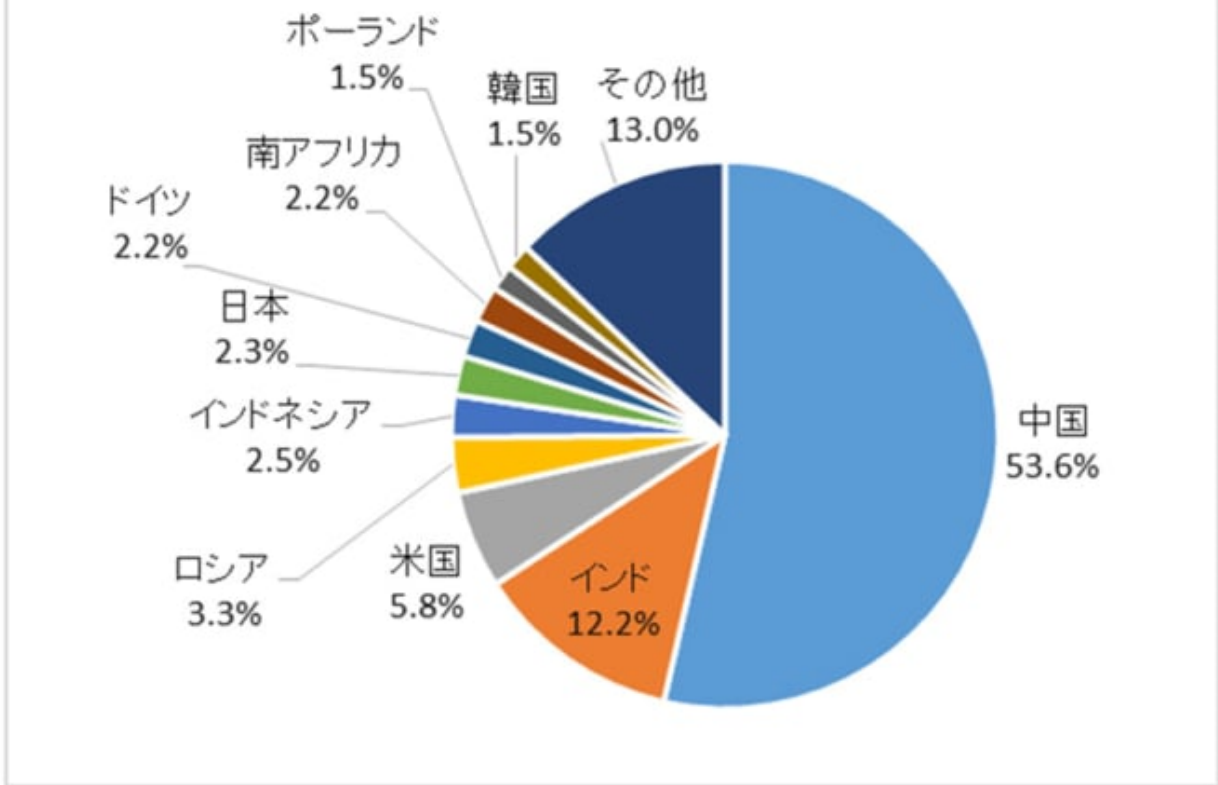


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図-13 世界の石炭消費量上位国(2022年)  
消費重量比率、冶金原料炭を含む  
出所: 米国エネルギー情報局、Internationalデータ



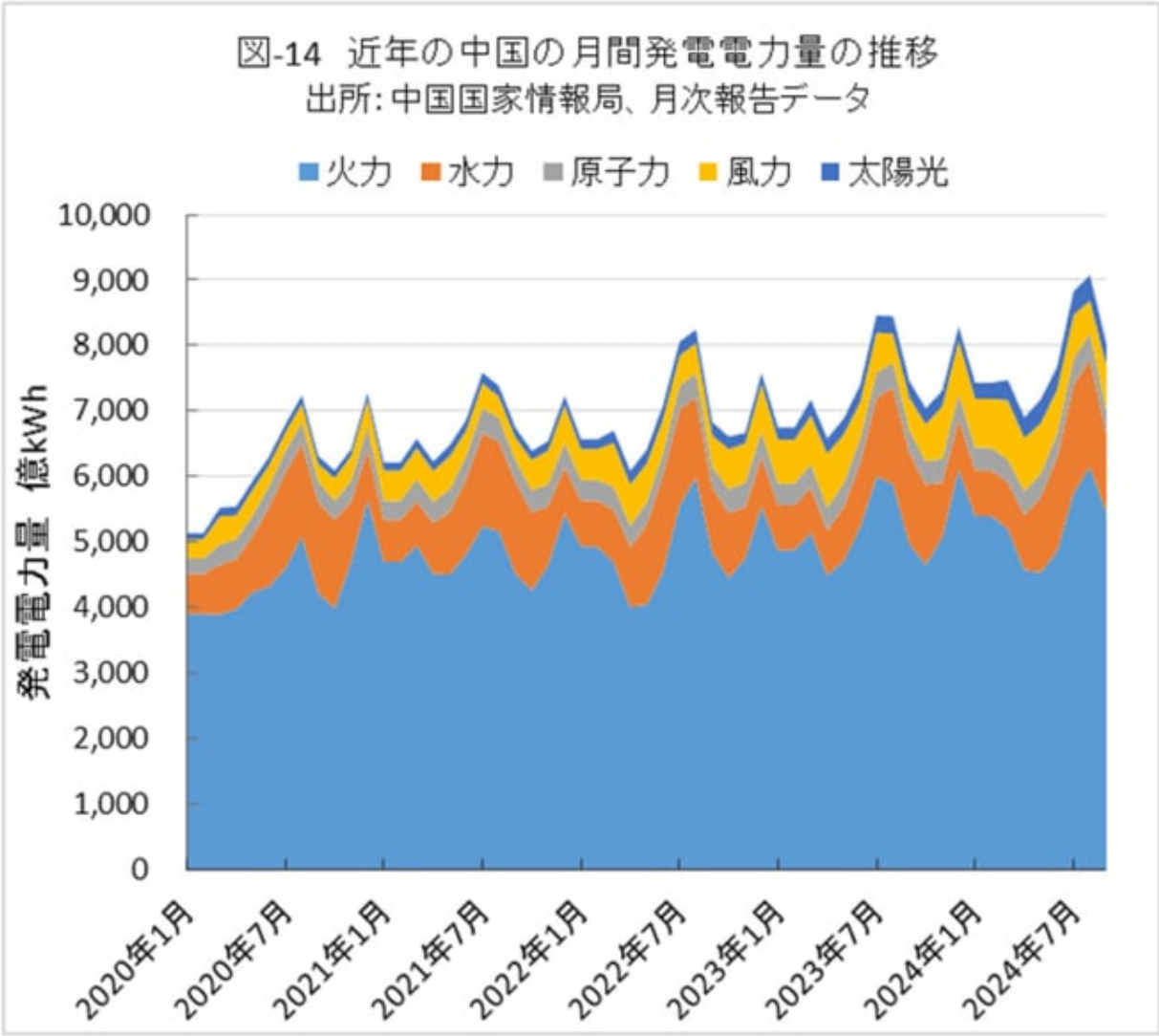
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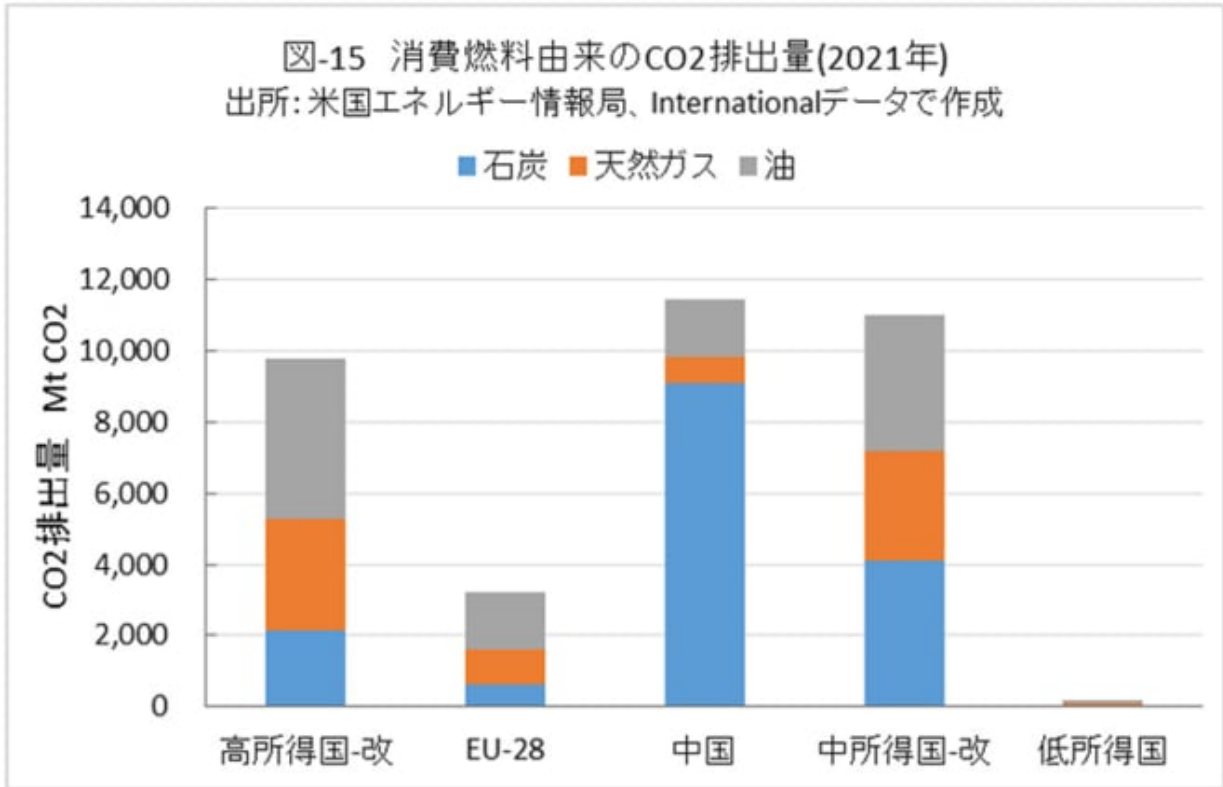
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## 2023????????????????????

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- [https://www.reuters.com/technology/amazon-forest-protection-2024-01-08/](#)
- [https://www.bbc.com/news/technology-68000000](#)
- [https://www.fox.com/news/technology/amazon-forest-protection-2024-01-08/](#)
- [https://www.fox.com/news/technology/amazon-forest-protection-2024-01-08/](#)
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2024 [https://www.fox.com/news/technology/amazon-forest-protection-2024-01-08/](#)

**How ‘carbon cowboys’ are cashing in on protected Amazon forest**

[https://www.fox.com/news/technology/amazon-forest-protection-2024-01-08/](#)  
[https://www.fox.com/news/technology/amazon-forest-protection-2024-01-08/](#)  
 Netflix [https://www.fox.com/news/technology/amazon-forest-protection-2024-01-08/](#)  
 Airbnb [https://www.fox.com/news/technology/amazon-forest-protection-2024-01-08/](#)  
 Spotify [https://www.fox.com/news/technology/amazon-forest-protection-2024-01-08/](#)

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**Betrug im Handel mit Kohlenstoff-Zertifikaten? – Forschung enthüllt massive Lücken im Waldschutz**

[https://www.fox.com/news/technology/amazon-forest-protection-2024-01-08/](#)  
[https://www.fox.com/news/technology/amazon-forest-protection-2024-01-08/](#)

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**Report: U.N. Using Climate ‘Credit’ Scheme to Hide Massive Carbon Emissions**

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# Trusted Flaggers????????????????????

?? ??? ?? · Tuesday, November 12th, 2024



sonmez karakurt/iStock

## Trusted Flaggers?????

EU??Trusted  
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