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AZEC????????????

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

### IEA????????????????????

?? ?? · Monday, December 23rd, 2024



Sergei Chuyko/iStock

????????IEA??







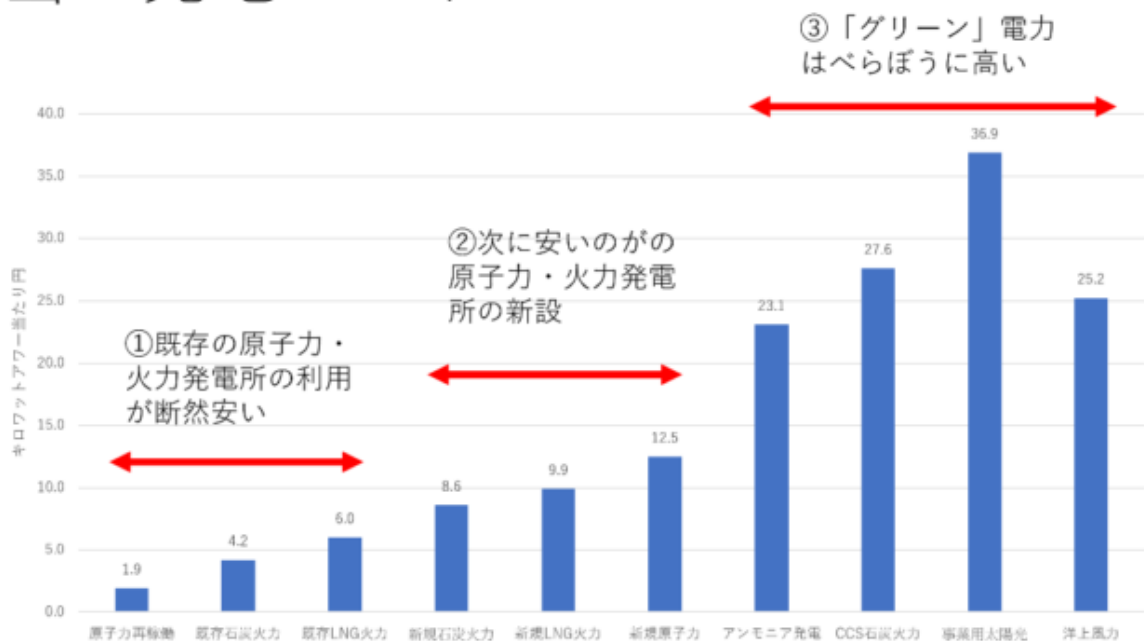
shotbydave/iStock

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2040????????????????????????????????????1??

# 本当の発電コスト



?1?2040????????????????????????????









Vitalii Petrushenko/iStock

**NZBA????**

NZBA????2050??  
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**??21????????????????ESG????????????**

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??CEO??NZBA??  
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**ESG??????????**

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??EU????????????????????????????  
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?3??600????????  
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Posted in ??????????, ??, ???? | No Comments »

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?? ?? · Monday, December 16th, 2024



Douglas Rissing/iStock

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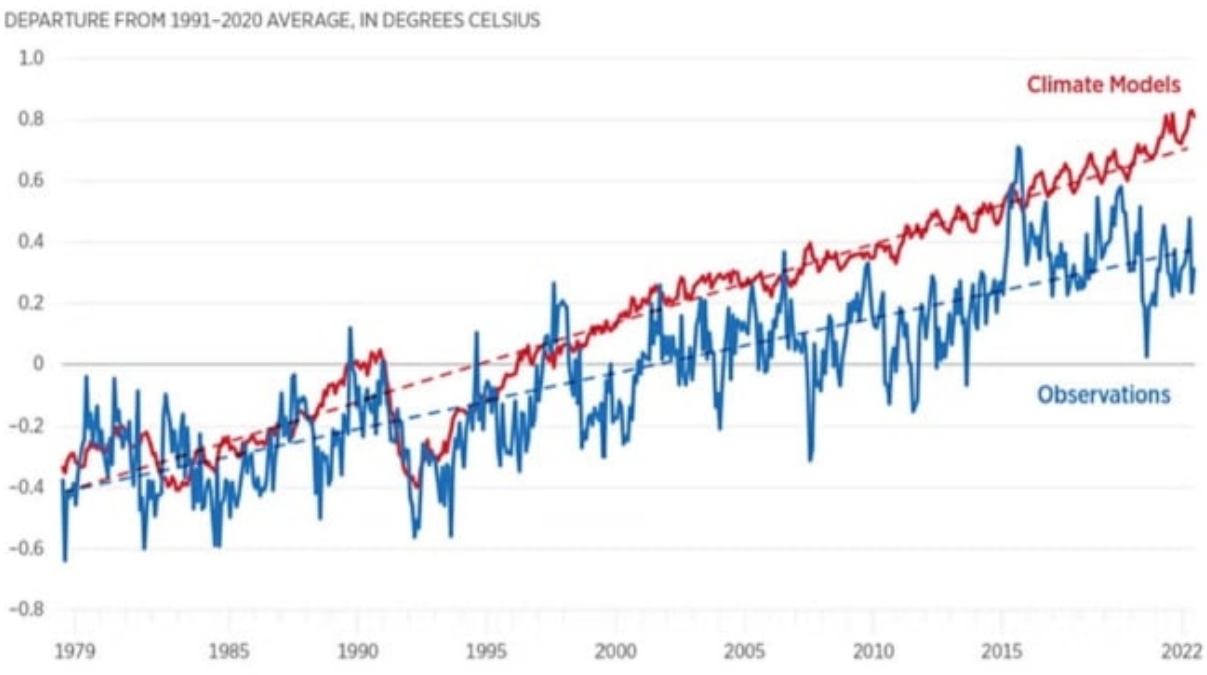
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**Global Warming: Observations vs. Climate Models**

# 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

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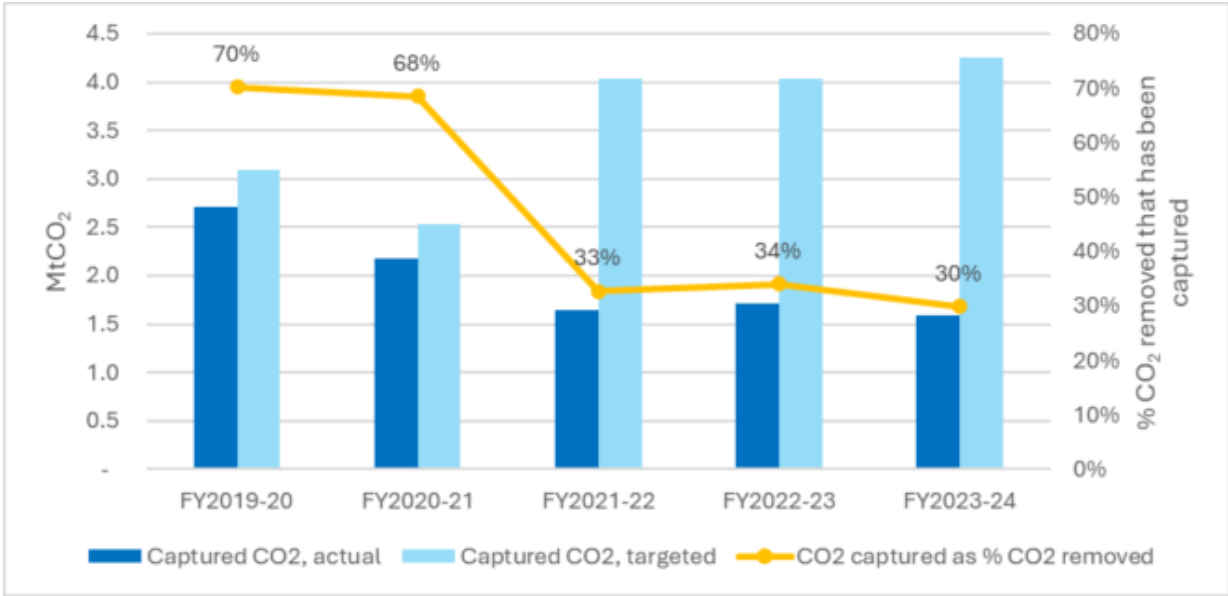
## The Unreliability of Current Global Temperature and Solar Activity Estimates and Its Implications for the Attribution of Global Warming

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 ???GX????????????  
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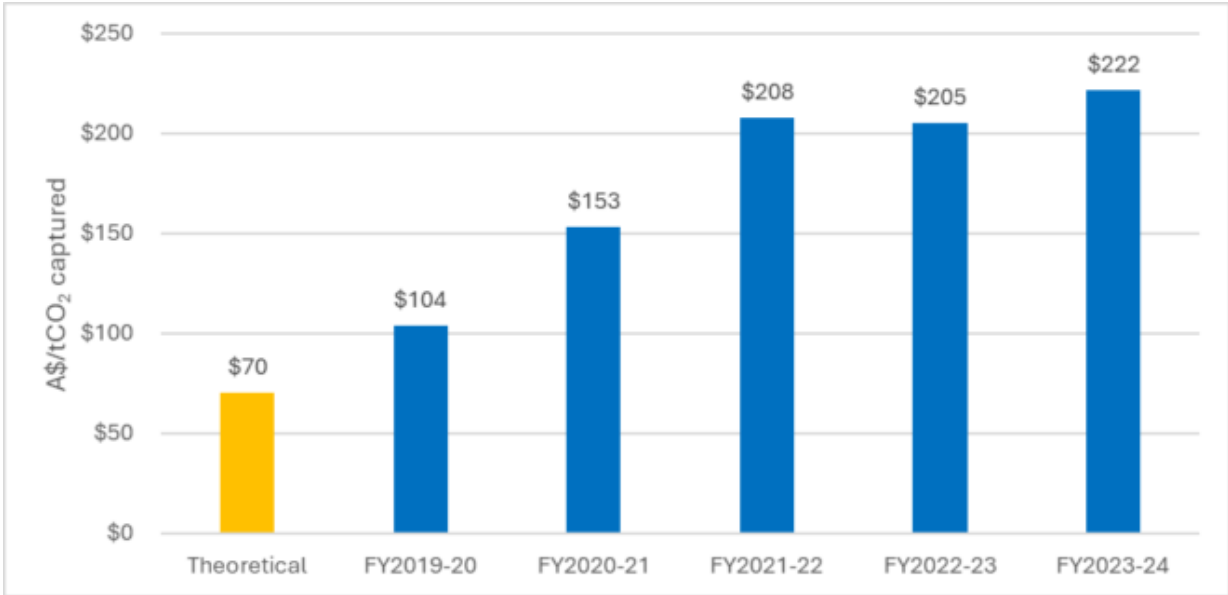




reneweconomy

2023 2019-20 10  
2024 9 144 CCS

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



reneweconomy

CO2 (i) (ii)  
CO2  
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3





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????????????????????3000???????????

????1.3??

NCQG????????????????????????????



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????????COP29??

?????????????????No deal is better than bad deal?????????????????Bad deal is better than no  
deal??????

????????????COP29????????????COP21????????????COP????NCQG????2025??COP30????????  
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????????COP29????????2025??  
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??3????????????????????  
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????????????????????UAE????????????JTWG????????????????????????????????  
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6?2????????????JCM????2??  
??EU????????????????????????????????????

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**COP29???**

COP29????????????????????????3000????????????????????????????????  
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1.5?2023?1.5?2050?2035?3000?1.3?2035?3000?

2023?1.5?2023?1.5?2050?2035?3000?

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?

Posted in , ,  | [No Comments](#) »



??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????????  
 ?4????????????????????

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



1000? 100 billion USD? 10? trillion USD? Not billion, but trillion?

NCQG

2000

2000? NCQG? 2000?

9? 1? shall provide? 2? encouraged to provide or continue to provide? 3? mobilize?

NCQG

COP

COP28? UAE

COP29? 22? 24? 4?

NCQG

7? 2035? 1? 3,000?

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



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????2050?CO2??

?????CO2?????CCS?????????????????????????????????????CO2??  
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??????7?????????????????????????????????????CO2??

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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





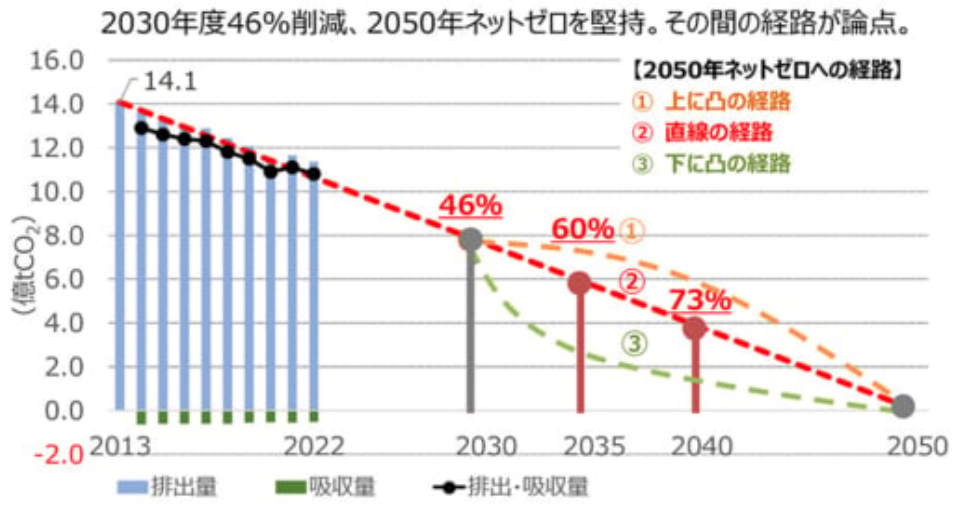
????????10?31????????2035??CO2?60????????????????????????????????????

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

2050??

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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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- 2050?CO2????????????????????????????????
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- ????????????????????2050?CO2????????????????????????????????????
- ????????????????????????????????????
- ??CO2????????????????????
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- ????????CO2????????????????????0.006????????????

????2035?60????????????????????????????????2025????10??  
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Posted in ??????????, ??? | No Comments »

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?? ?? · Wednesday, December 4th, 2024



Lari Bat/iStock

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??CEO????????????E&E????????  
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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??  
 ???1000????????????????????????????10????3??????????????

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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??48??1??5??

????????11?25????????2035????CO2??60??25?2?10????  
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Posted in ??????????, ???, ????? | No Comments »

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?? ?? · Sunday, December 1st, 2024

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216  
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67  
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2.0

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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COP

COP  
2029  
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3000

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<sup>21</sup>  
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Annex1

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? 1 ? ? ? ? 2015 ? ? COP 2 1

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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??

????????????????????CLINTEL????????????????????

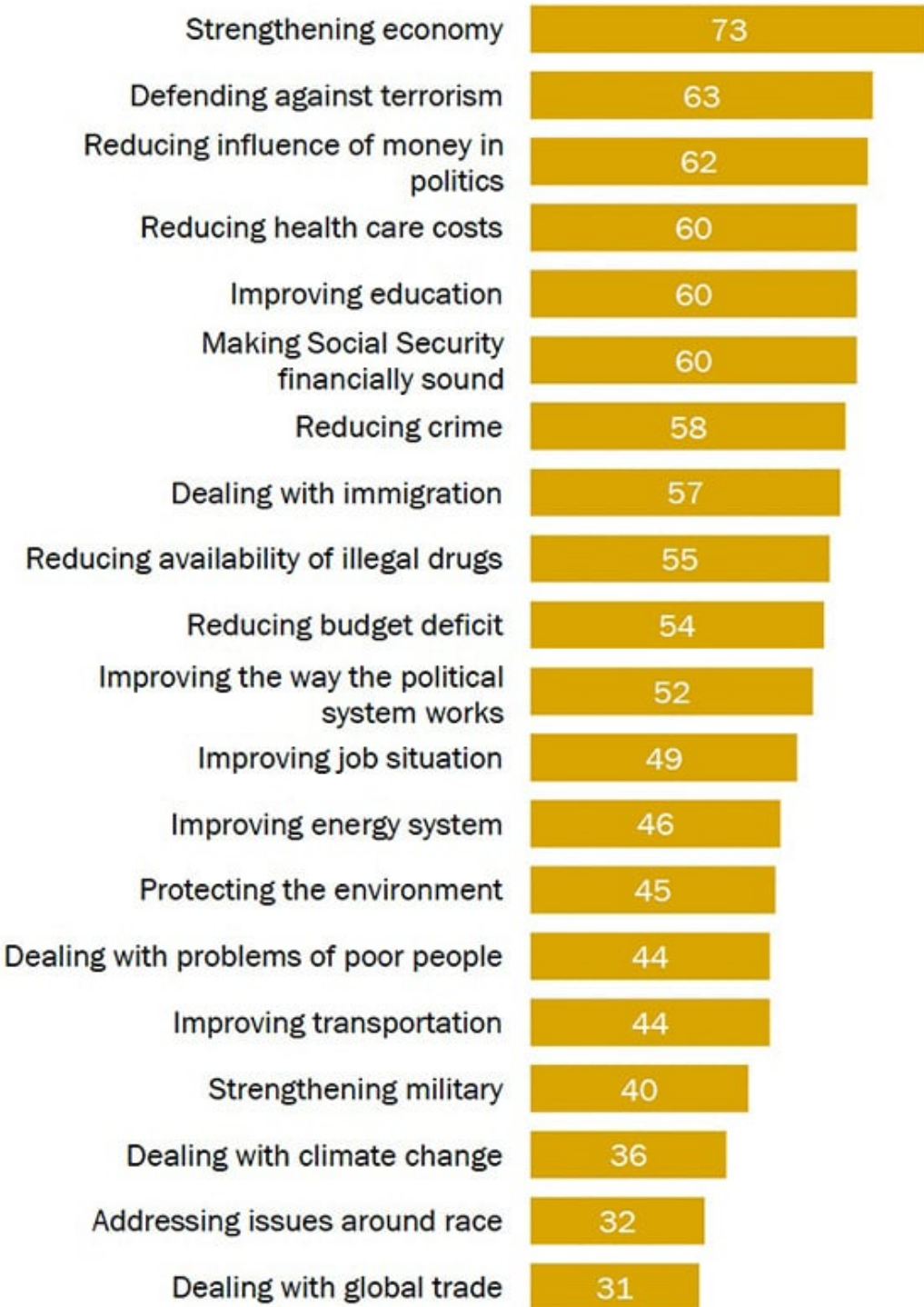
1. ???
2. ???
3. ???
4. ???





# 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*



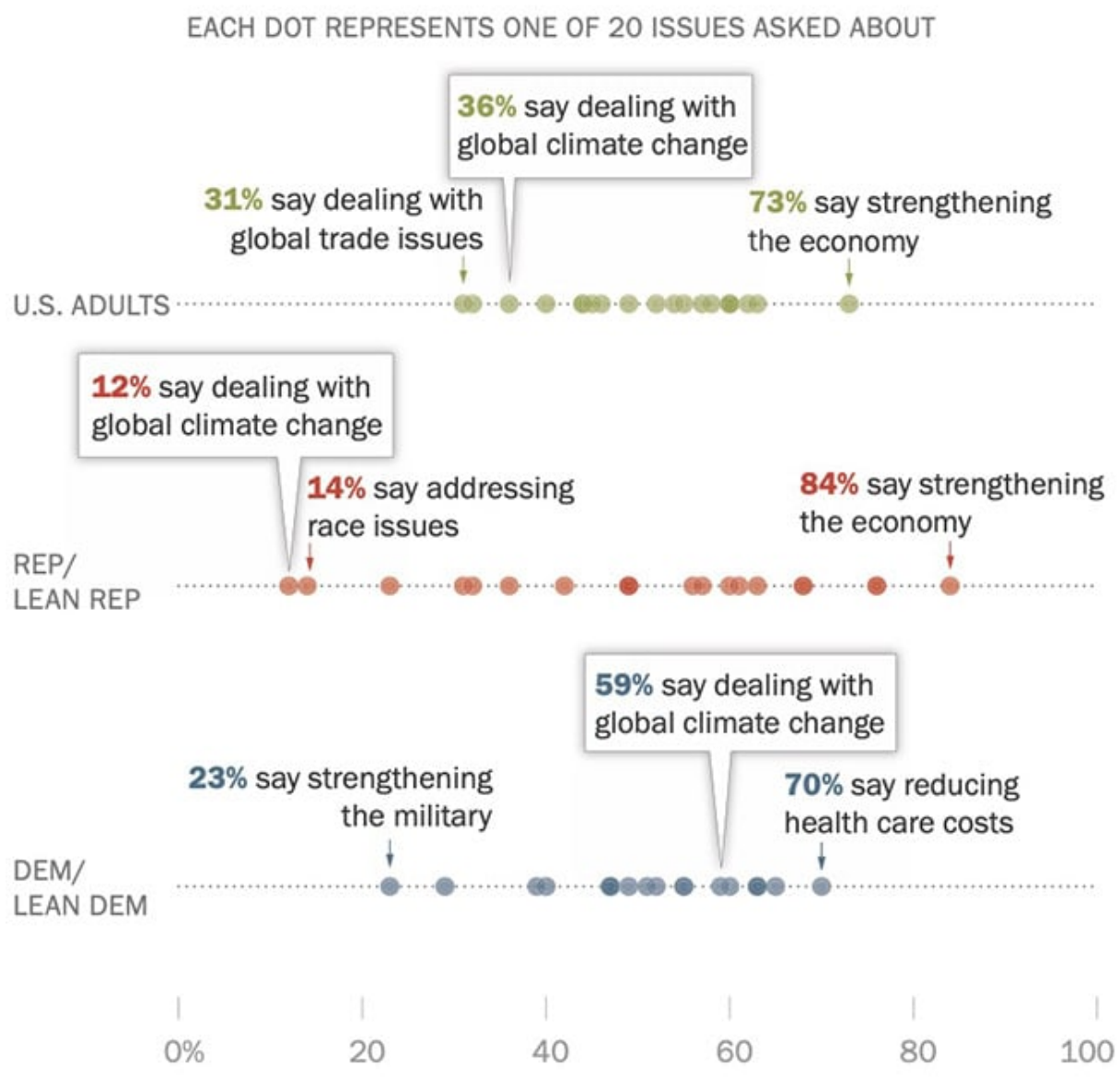
Source: Survey of U.S. adults conducted Jan. 16-21, 2024.

**PEW RESEARCH CENTER**

????????????????????????84??12????????????????????????????59????????????????  
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# 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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???- ?????????7????????? –????????

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

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?? ?? · Thursday, November 21st, 2024

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??2024?06?06????????????????

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J-

??CO2????????????????????????????????????  
1??

### 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CO2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）。



1J-????????

2J-????????

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J-

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????2018??CO2??150?  
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2023?5????????????????????????????????Verra?CEO?15?????David  
Antonioli????????????????Verra????????????????CO2????????????????????????????

CEO????????????????????????????Verra????????????????????????????????????Verra????  
????????????5????????????

??????2024?10????????????????FBI??Ken Newcombe????????????????????????????

??????1996????????????????2005????????????????CDM????????????????????????30?  
????????????????Verra??

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??2019????????????????  
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????????????1,500?/??3,200?/??1.4?/kWh????????????????????2,000??×1500????3  
00?????

????????????????????CO2??“?????”????  
????????????????????????????????

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

# ????????????????????COP???

?? ?? · Wednesday, November 20th, 2024

????????????????????COP29??100????????  
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**????????????????...????COP29??????**

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**????????????????????6?11?15??**

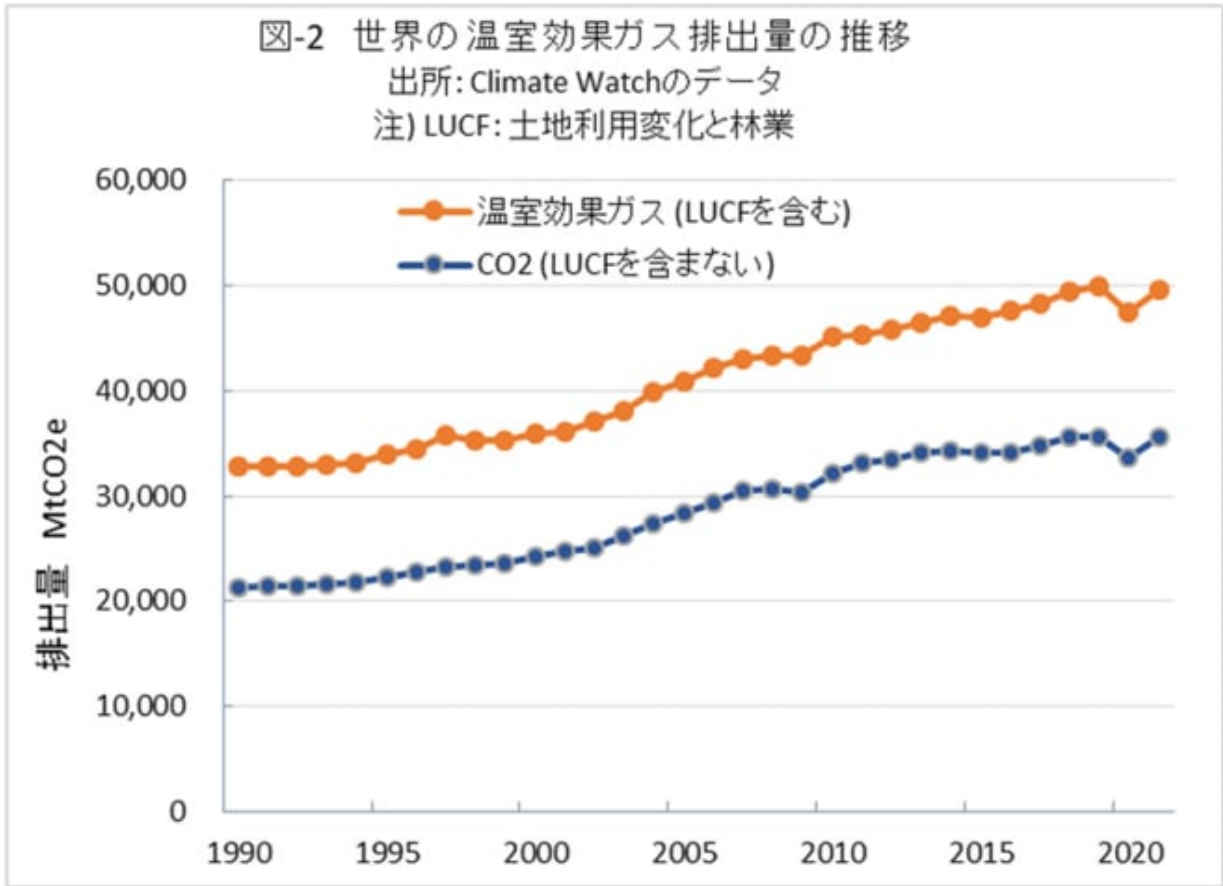
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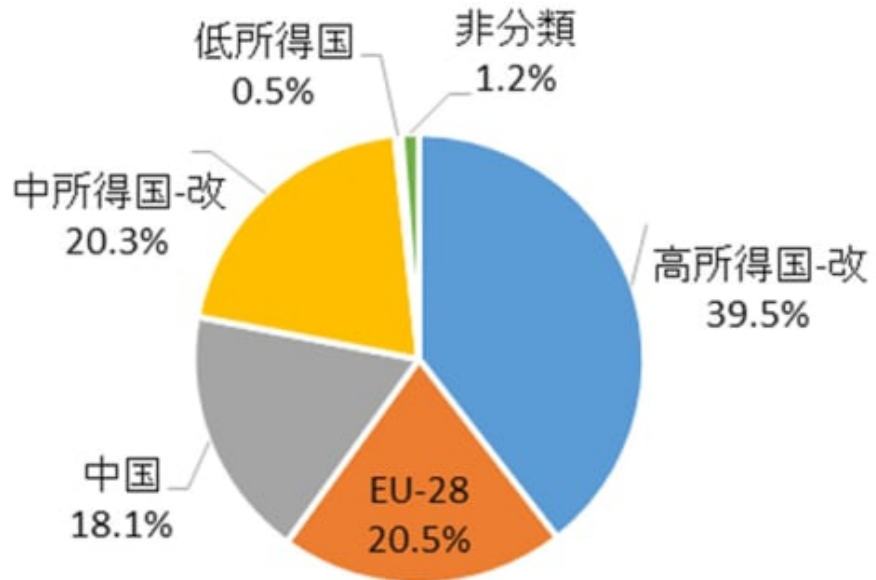
?2

???GHG????????????GHG????2/3??3?  
?





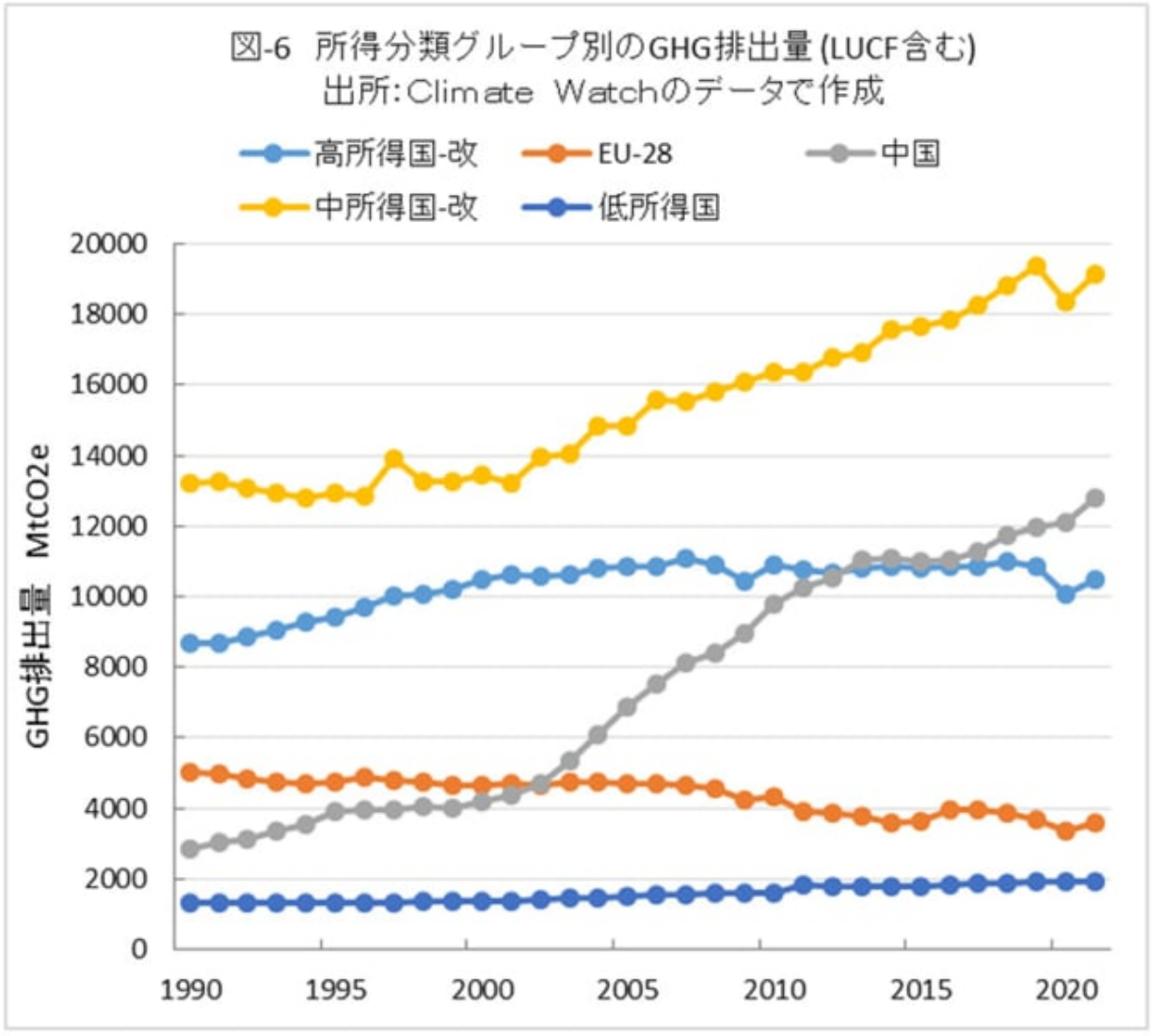
図-5 所得分類グループの実質GDP割合 (2022年)  
出所: 世界銀行データ (constant 2015 USD)



25

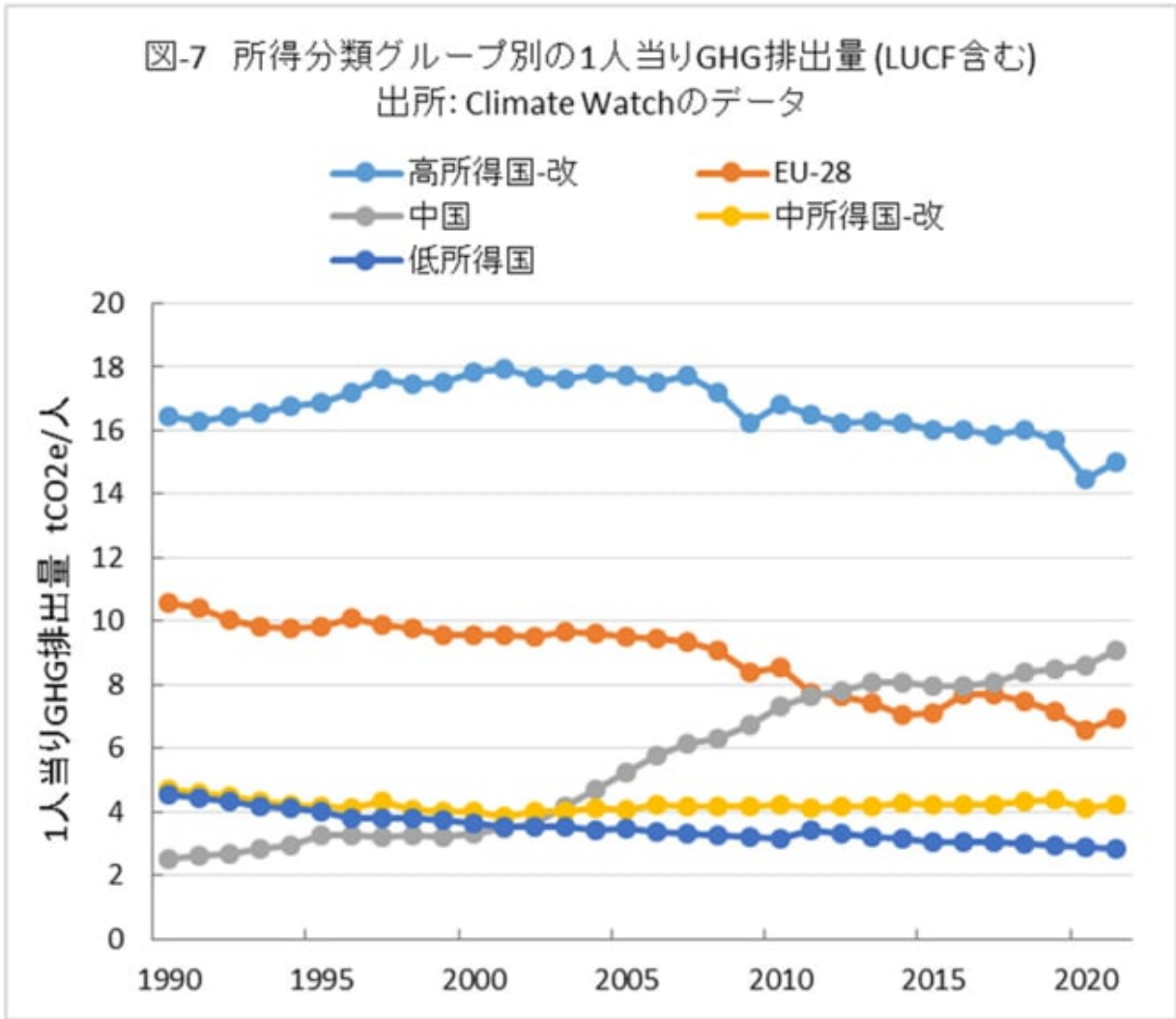
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EU-28?GHG????????????????????-????????????????????-  
??????GHG??



26

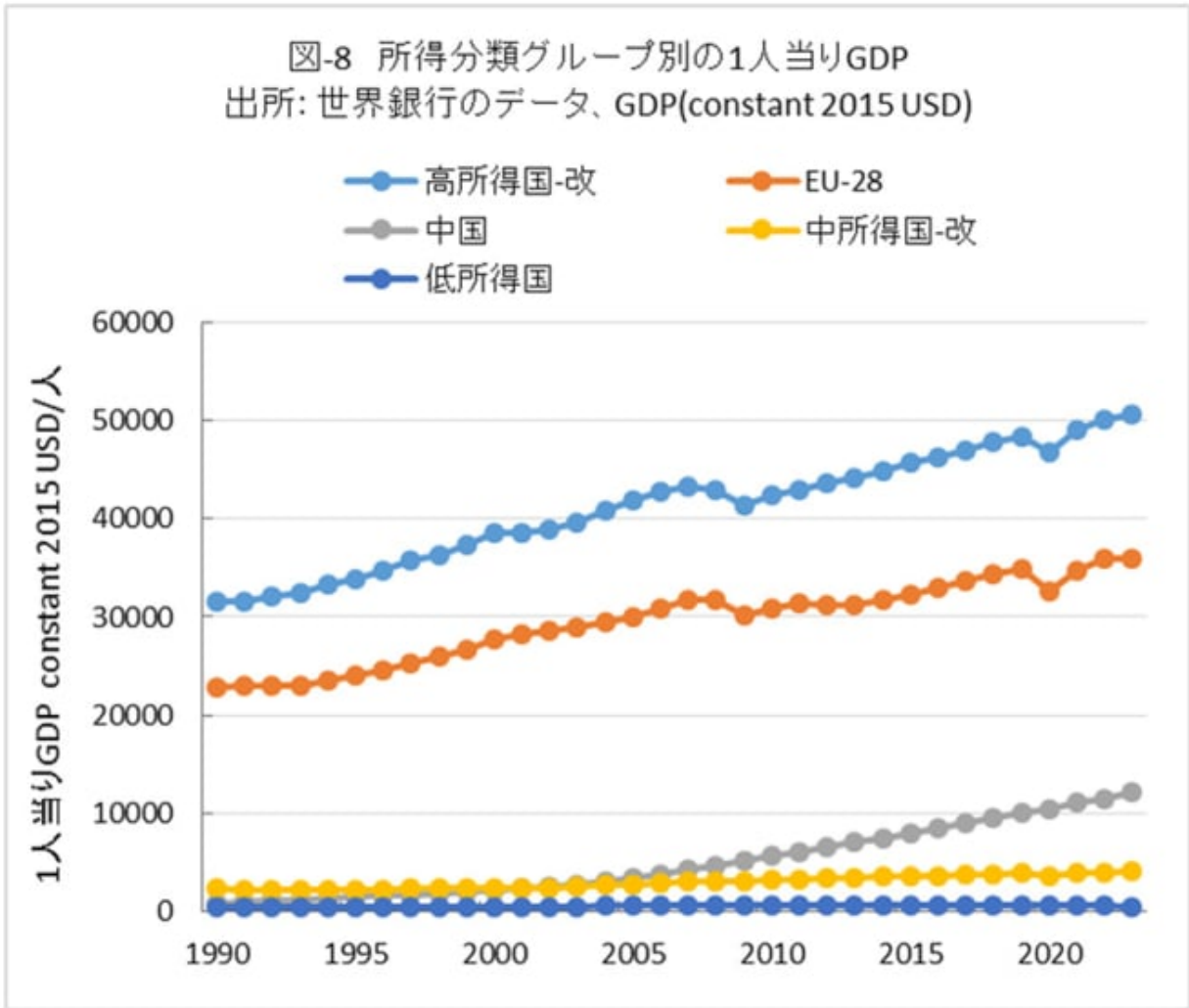
??????GHG????????????????GHG??GHG????????????????  
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????????????1??GHG????????????????



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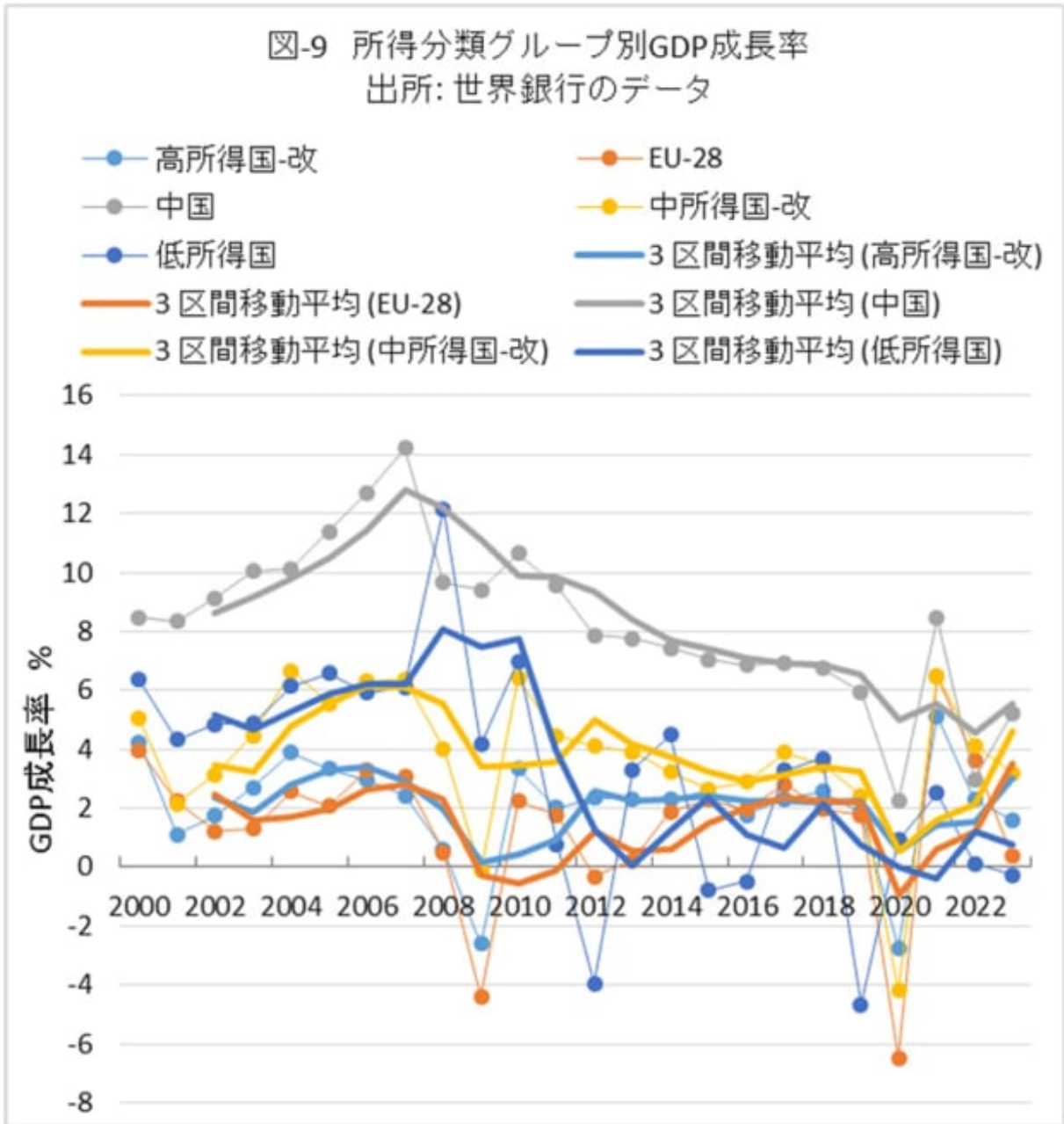
??????-??1???GHG?????????-??3??1?????GHG??????????EU-28????????60% ??????????-  
?????????GHG????????????????????????????

?8?????1??????GDP????????????????????-??????????-  
??10??1???EU-28?12% ???GHG??????  
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78

????????GDP????????????GDP??



?9

??-??EU-28?2% ?????????????????-??3% ??????????????????

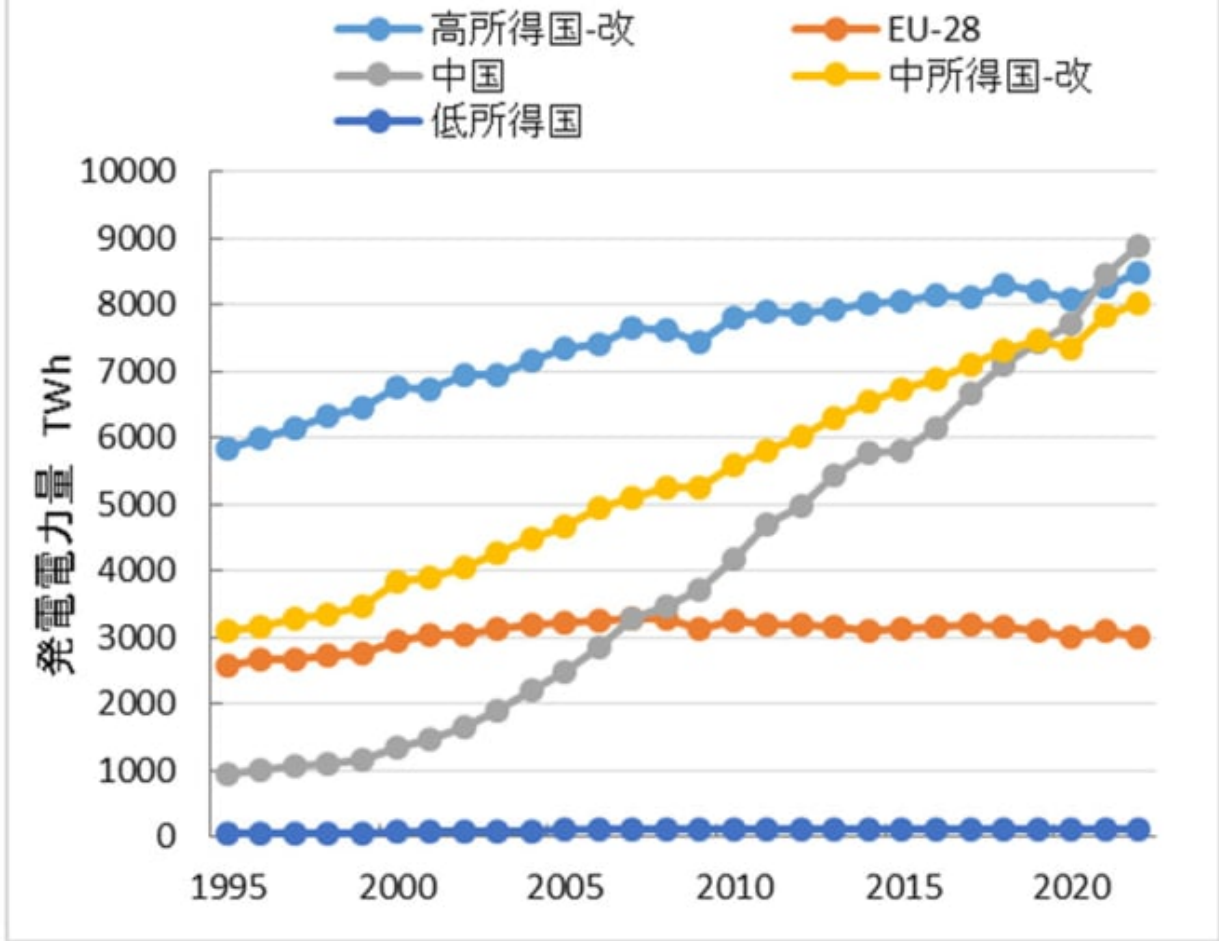
2010??GHG????????????????????????  
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?10????????????????U.S. Energy Information  
Administration??International??





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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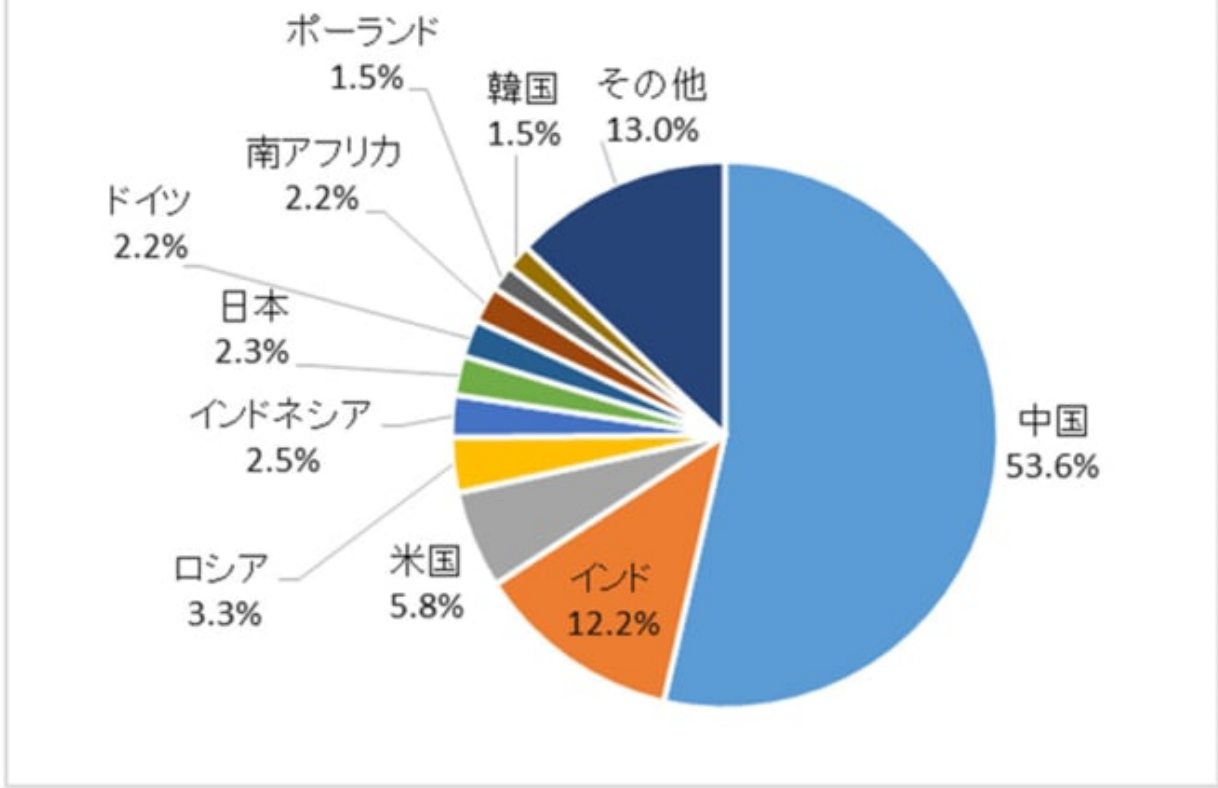
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?12??EU-28????????????????????-??????????-  
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図-13 世界の石炭消費量上位国(2022年)  
消費重量比率、冶金原料炭を含む  
出所: 米国エネルギー情報局、Internationalデータ



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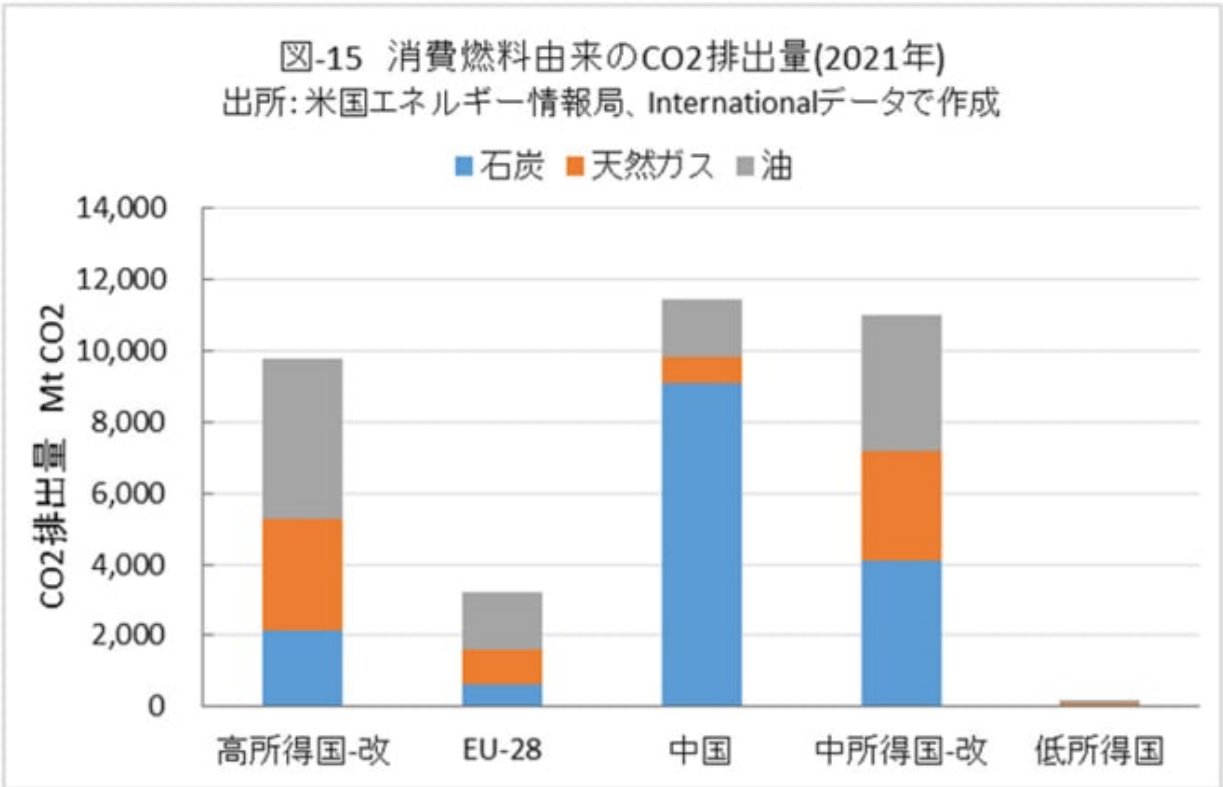
GHG????????2030????CO2????????2060????????????????????2030????????  
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Posted in ???, ????? | No Comments »

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?? ?? · Wednesday, November 13th, 2024



Just\_Super/iStock

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- [https://www.reuters.com/technology/amazon-forest-protection-2024-12-12/](#)
- [https://www.bbc.com/news/technology-68000000](#)
- [https://www.fox.com/news/technology/amazon-forest-protection-2024-12-12/](#)
- [https://www.fox.com/news/technology/amazon-forest-protection-2024-12-12/](#)
- [https://www.fox.com/news/technology/amazon-forest-protection-2024-12-12/](#)

[https://www.reuters.com/technology/amazon-forest-protection-2024-12-12/](#)...  
[https://www.bbc.com/news/technology-68000000](#)

[https://www.fox.com/news/technology/amazon-forest-protection-2024-12-12/](#)  
[https://www.fox.com/news/technology/amazon-forest-protection-2024-12-12/](#)  
[https://www.fox.com/news/technology/amazon-forest-protection-2024-12-12/](#)

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

[https://www.reuters.com/technology/amazon-forest-protection-2024-12-12/](#)  
[https://www.bbc.com/news/technology-68000000](#)  
[https://www.fox.com/news/technology/amazon-forest-protection-2024-12-12/](#)  
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[https://www.reuters.com/technology/amazon-forest-protection-2024-12-12/](#)  
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[https://www.reuters.com/technology/amazon-forest-protection-2024-12-12/](#)  
[https://www.bbc.com/news/technology-68000000](#)

[https://www.reuters.com/technology/amazon-forest-protection-2024-12-12/](#) REDD+ [https://www.bbc.com/news/technology-68000000](#)

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

[https://www.reuters.com/technology/amazon-forest-protection-2024-12-12/](#)  
[https://www.bbc.com/news/technology-68000000](#)

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

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?SDGs?????????

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







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Posted in ???, ?? | No Comments »

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GEPR?? · Tuesday, November 12th, 2024



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

2024?10?29????????????2????????????????????????????13????????????????????????BWR????????????  
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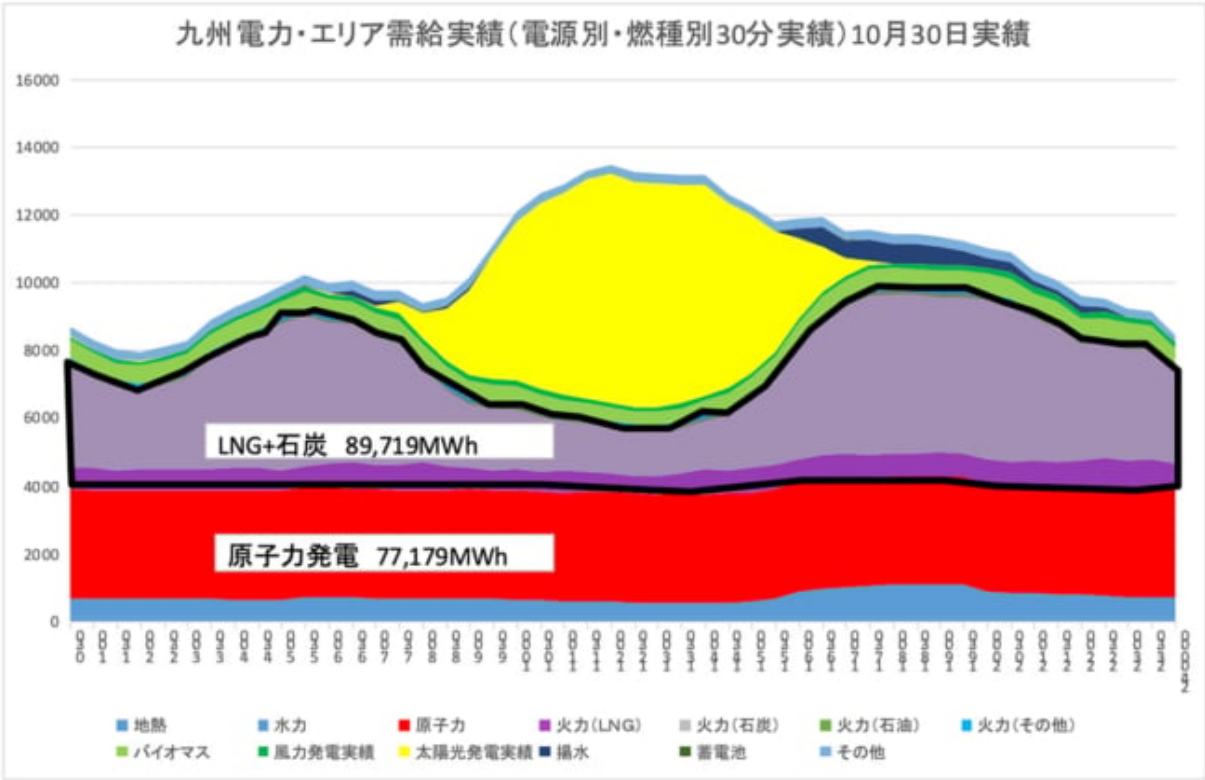
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<https://agora-web.jp/archives/240815045338.html>

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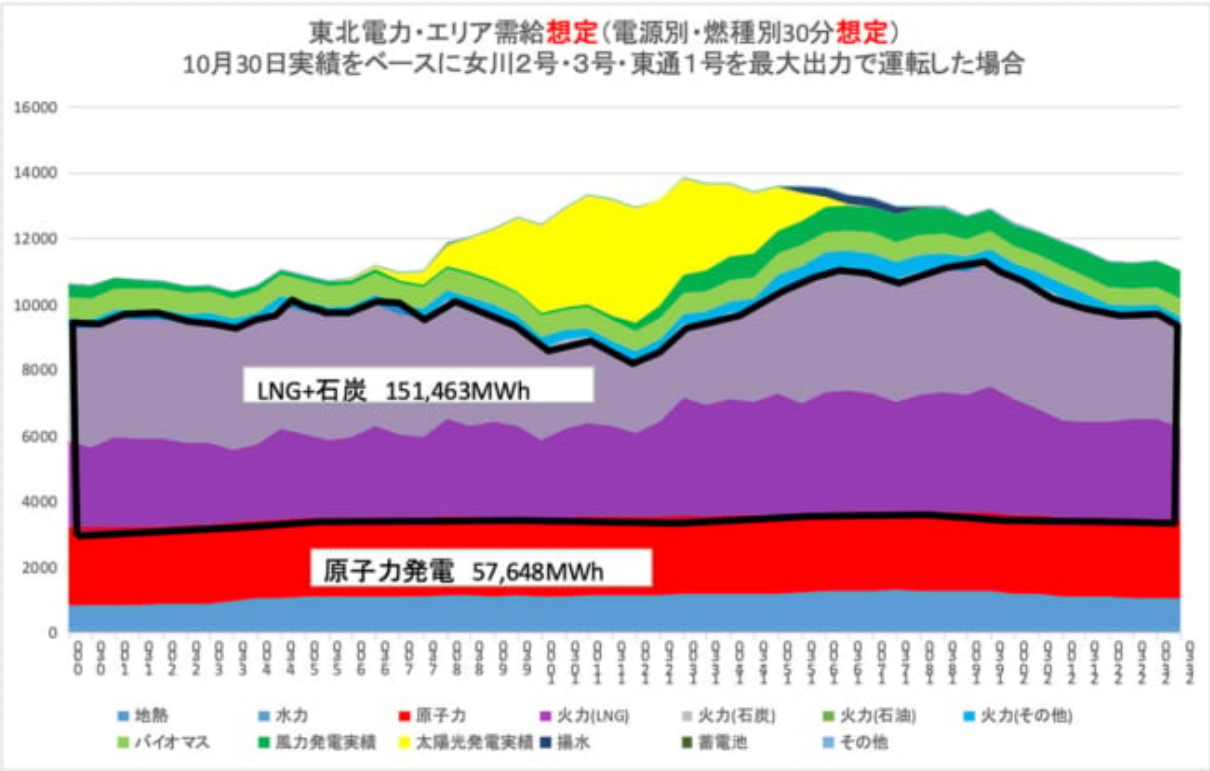
??????2024?10?30????????????????????????????????????

????????77,179MWh?LNG????????89,719MWh????????????46????????????????????????????????  
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3. ???????

?3???2024?10?30??2?????????????  
82?KW??





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BRICS

BRICS

BRICS

BRICS 2009 BRIC 2011 BRICS 2023 2024 UAE 2011

BRICS 2023 BRICS 2013

G20 BRICS G7 G20

BRICS

- GHGs
- UNFCCC COP27 2023 COP28 2024 UAE COP29 2025 COP30 2026 COP33
- SDGs BRICS
- UNFCCC



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G7????????????????????????????????BRICS????????????  
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## ????????G7?G20?BRICS???????

?? ? · Wednesday, November 6th, 2024



Heiness/iStock

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

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1959????????NASA??SST????????????????CO2????????????????????B?2.406?P?0.0002?Model  
R2?0.663?P?7e-15????????????????????????????????????

?????HADLEY??????SST????????????????1960??????CO2??????CO2????????????????????  
??? r?0.9995?P?3e-92??2022????????1.45ppm?????

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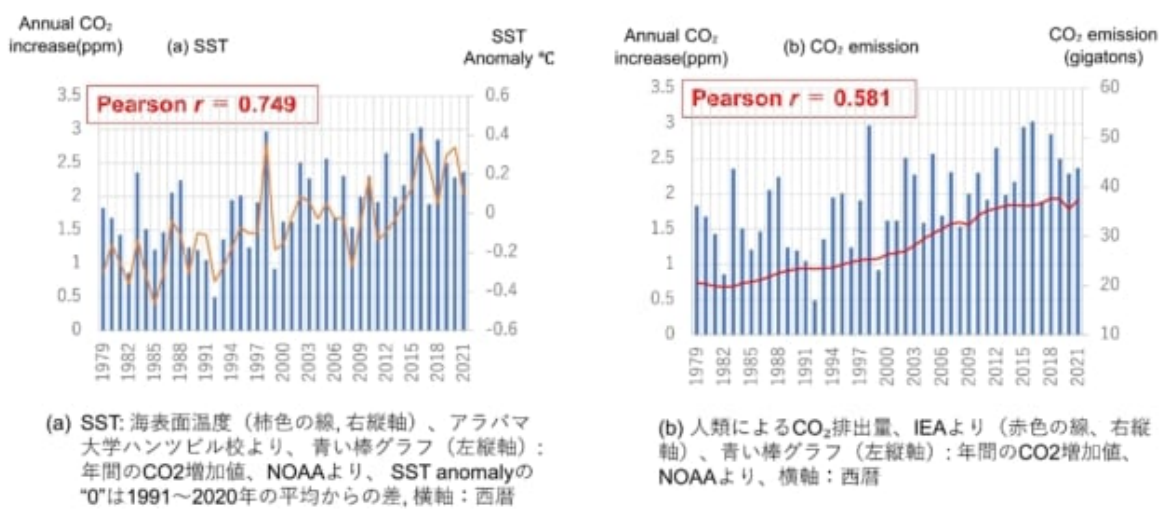


図1. 大気中CO<sub>2</sub>濃度の年間増加値との比較 (a) SSTと (b) 人類によるCO<sub>2</sub>排出量

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<https://agora-web.jp/archives/240806054159.html>

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<https://agora-web.jp/archives/231204180408.html>

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Posted in ???, ????? | No Comments »

### ???????? ????CO2????????????????????

?? ?? · Thursday, October 31st, 2024



ChrisSteer/iStock

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ESG?SDGs?2021??  
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