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Energy for Growth
Hub

COP28 G7 G20

COP

COP28 2050 3 20

GX

1.5

Posted in [Energy for Growth](#), [Hub](#), [Energy for Growth](#) | [No Comments »](#)

????????????EV??????

?? ?? · Friday, March 1st, 2024



Lari Bat/iStock

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???7ene@proton.me????????????

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

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?? ?? · Thursday, February 29th, 2024



yipengge/iStock

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— ?????????? (@kahoku_shimpo) [January 27, 2024](#)

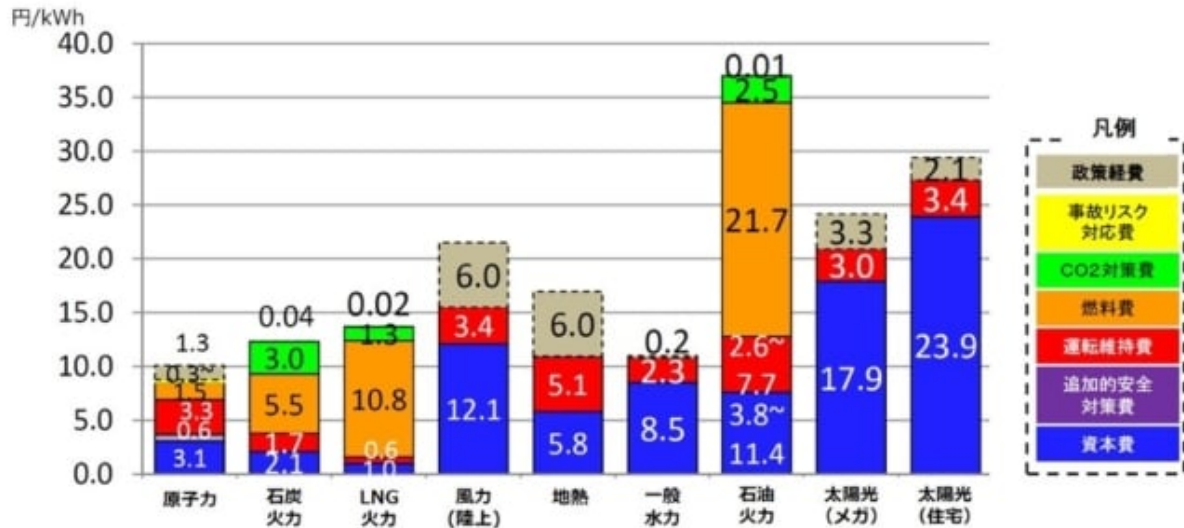
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Posted in [????????](#), [???](#) | [No Comments »](#)

????????????14????5??

?? ?? · Wednesday, February 28th, 2024



Lari Bat/iStock

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???7ene@proton.me????????

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

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?? ?? · Tuesday, February 27th, 2024

3E+S???????????????????????????????????? CO2 ??????E????????????

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

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?? ?? · Saturday, February 17th, 2024



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??49????????????

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Climate change is “the single-most existential threat to humanity we’ve ever faced, including nuclear weapons.” ?Whitehouse.gov, January 31, 2023?

“If we don’t keep [global temperature] below 1.5 degrees Celsius over the — be — not go above that — we’re going to damn our children to a circumstance that is going to be the only truly existential threat under nu- — other than nuclear war.” ?Whitehouse.gov, March 14, 2023?

“The only existential threat humanity faces even more frightening than a — than a nuclear war is global warming going above 1.5 degrees in the next 20 — 10 years.”

?Whitehouse.gov, September 10, 2023?

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Posted in ???, ????? | No Comments »

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?? ?? · Monday, February 12th, 2024



Alberto Masnovi/iStock

????2023??2025?4???????1????????

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- 3. ???
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- 4. ?????????????????????
- 5. ?????????????????????CO2????????
- 6. ??CO2??IPCC????????1????CO2????0.5????????
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- 7. ?????6????????????????1970????????????????????????????????

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

????????????????ESG????????

?? ?? · Saturday, February 10th, 2024



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Governance????401K??
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Posted in ??????????, ???, ?? | [No Comments »](#)

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?? ?? · Friday, February 9th, 2024



Agenda47: President Trump on Making America Energy Independent Again

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

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?? ?? · Thursday, February 8th, 2024

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??3????????????



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

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?? ?? · Wednesday, February 7th, 2024

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Unleash Energy Dominance



Under President Donald J. Trump's leadership, the United States became the number one producer of oil and natural gas on earth, achieving American energy independence and delivering historically low costs for oil, gas, diesel, and electricity to consumers and businesses. President Trump unlocked our country's God-given abundance of oil, natural gas, and clean coal. He approved the Keystone XL and Dakota Access, pipelines, opening federal lands and offshore areas for responsible oil and gas production, and ending the unfair and costly Paris Climate Accord. Joe Biden reversed the Trump Energy Revolution and is now enriching foreign adversaries abroad. President Trump will unleash the production of domestic energy resources, reduce the soaring price of gasoline, diesel and natural gas, promote energy security for our friends around the world, eliminate the socialist Green New Deal and ensure the United States is never again at the mercy of a foreign supplier of energy.



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

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

?? ?? · Tuesday, February 6th, 2024



baileystock/iStock

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?????????Voters???1????????????????3??

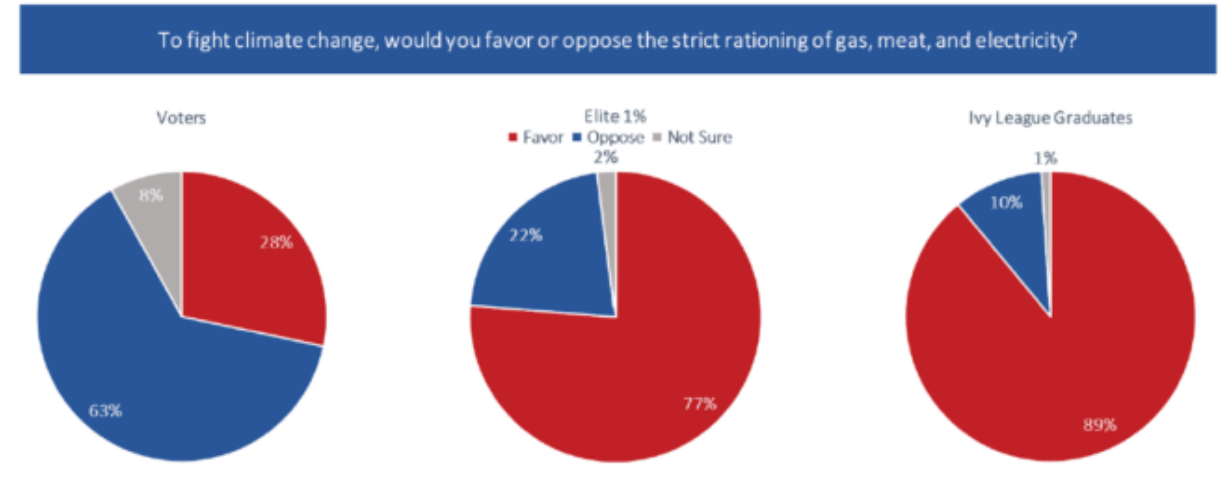
???1????????????????????15????????????????????1????????1????????????????

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????????????3????????

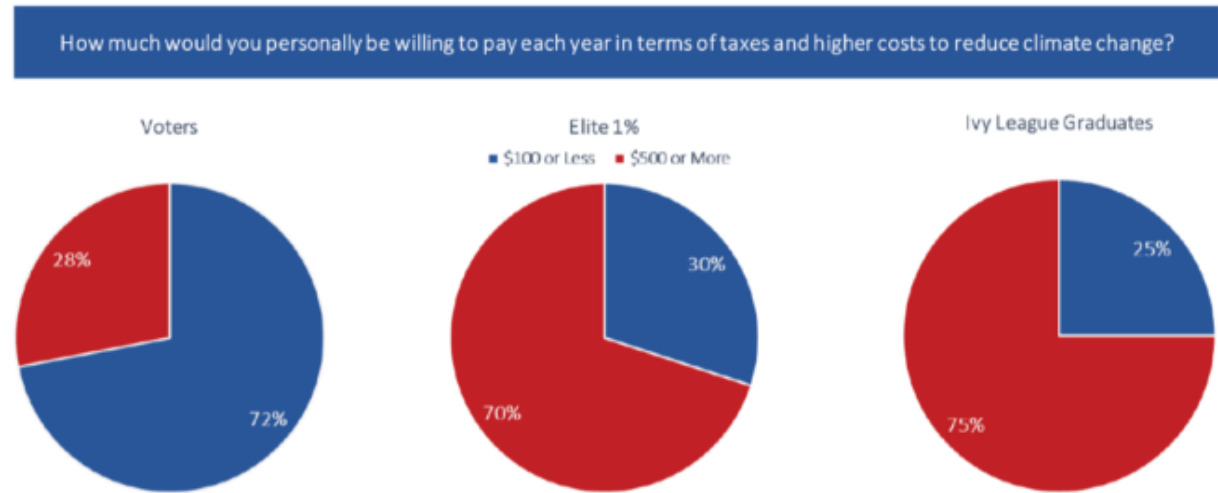
1.????????????????????????????????

????63%????????????77????????????89%???



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

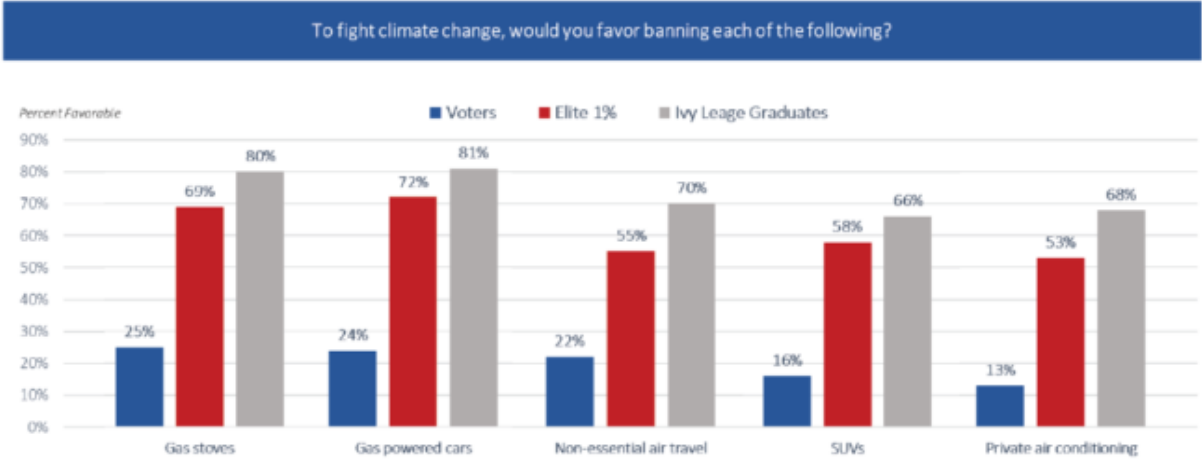
????72??100????????70??500????



3????????????

????????????SUV????????????13??25????????53???

72????????66??81????????



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????44???

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Posted in ???, ????? | No Comments »

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

?? ?? · Monday, February 5th, 2024



Sakorn Sukkasemsakorn/iStock

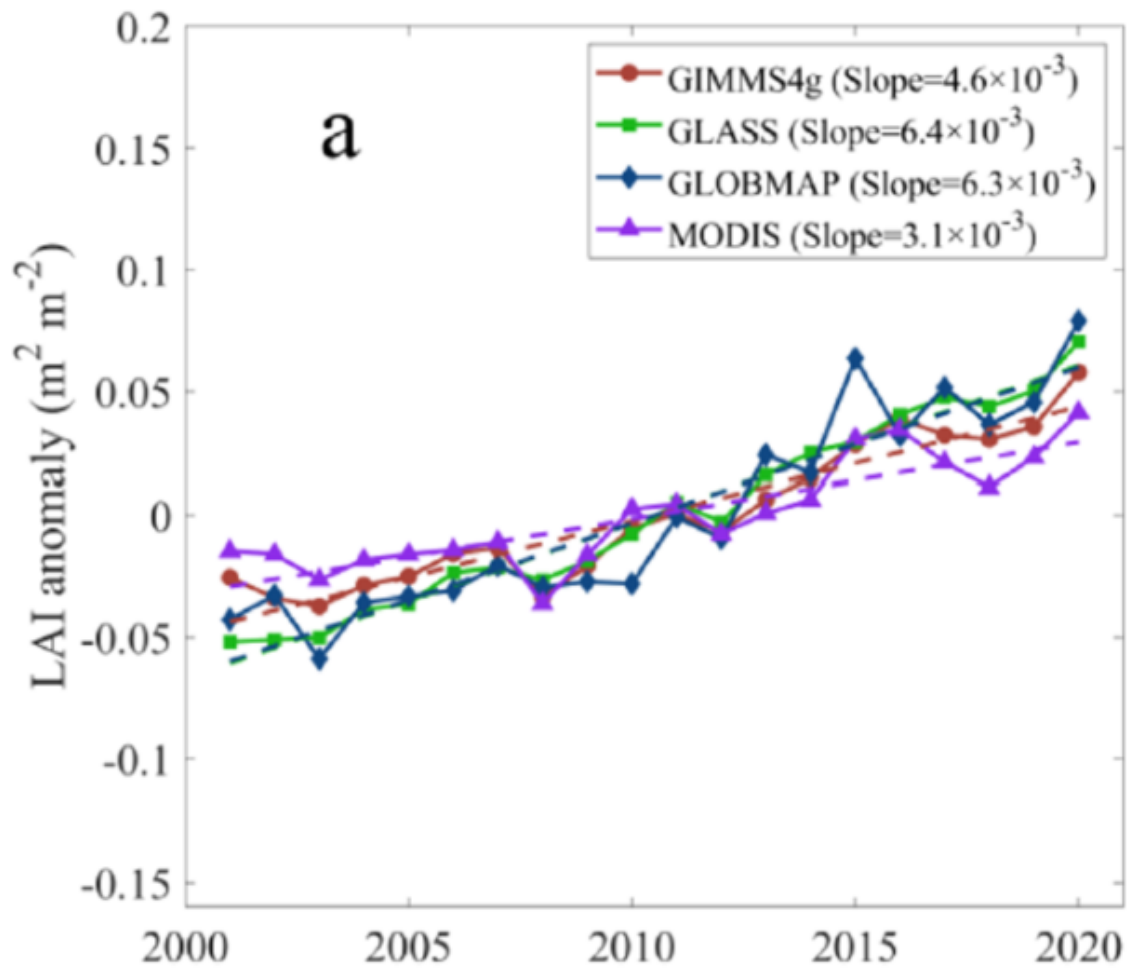
CO2????????????????????global
greening)??

???2000???2020????????????Leaf Area Index, LAI??????

LAI?????1????????????????????????????????????3????1?????????1????????????????
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4????????????????????????????????

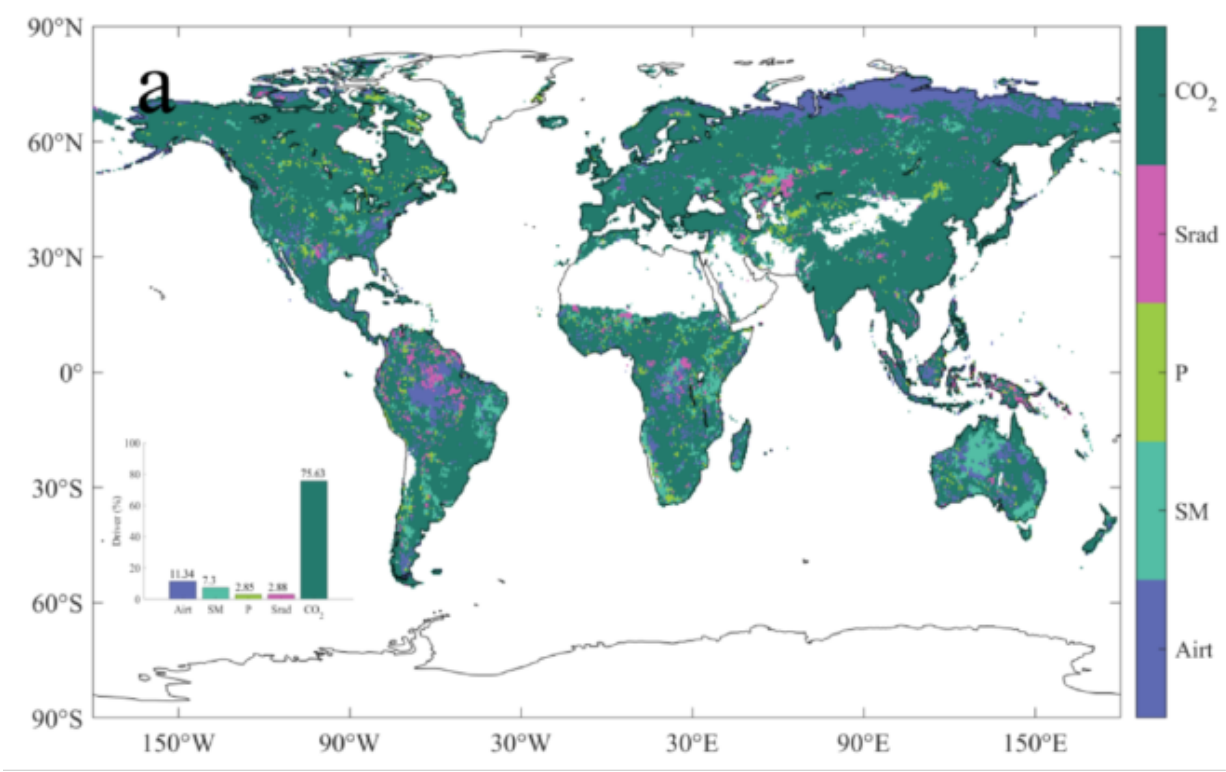


?1?LAI???

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CO2?????Srad?????P?????????Soil Moisture, SM?????Airt??5????????????????2??

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2LAI

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CO₂???????????????CO₂??????????????????????????CO₂????Carbon Fertilization?????????

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

????ESG???

?? ?? · Sunday, February 4th, 2024



Adrian Los/iStock

????ESG????????NISA????

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ESG????????????????2020????????

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Sustainable fund launches plummet

Asset managers closed sustainable funds faster than they opened new ones in the third quarter

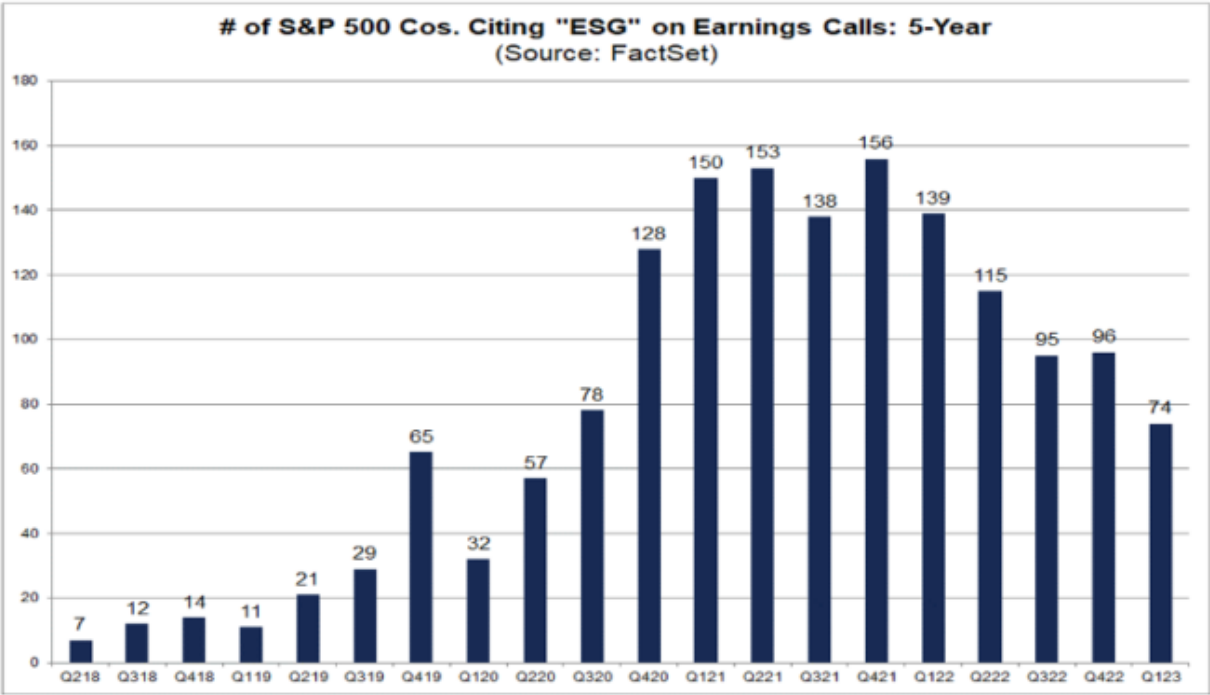


Source: Morningstar Manager Research

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??????ESG??????S&P500????2020??2???????

??????ESG????????????74??????S&P500????????????ESG????????2020
??2????57????????????2021??4????156????????????ESG????S&P500????5?
????4????????????2022??4????????2023??1????????ESG????S&P50
0???23%?????



FACTSET
201820231
Q218Q2Q12323Q1

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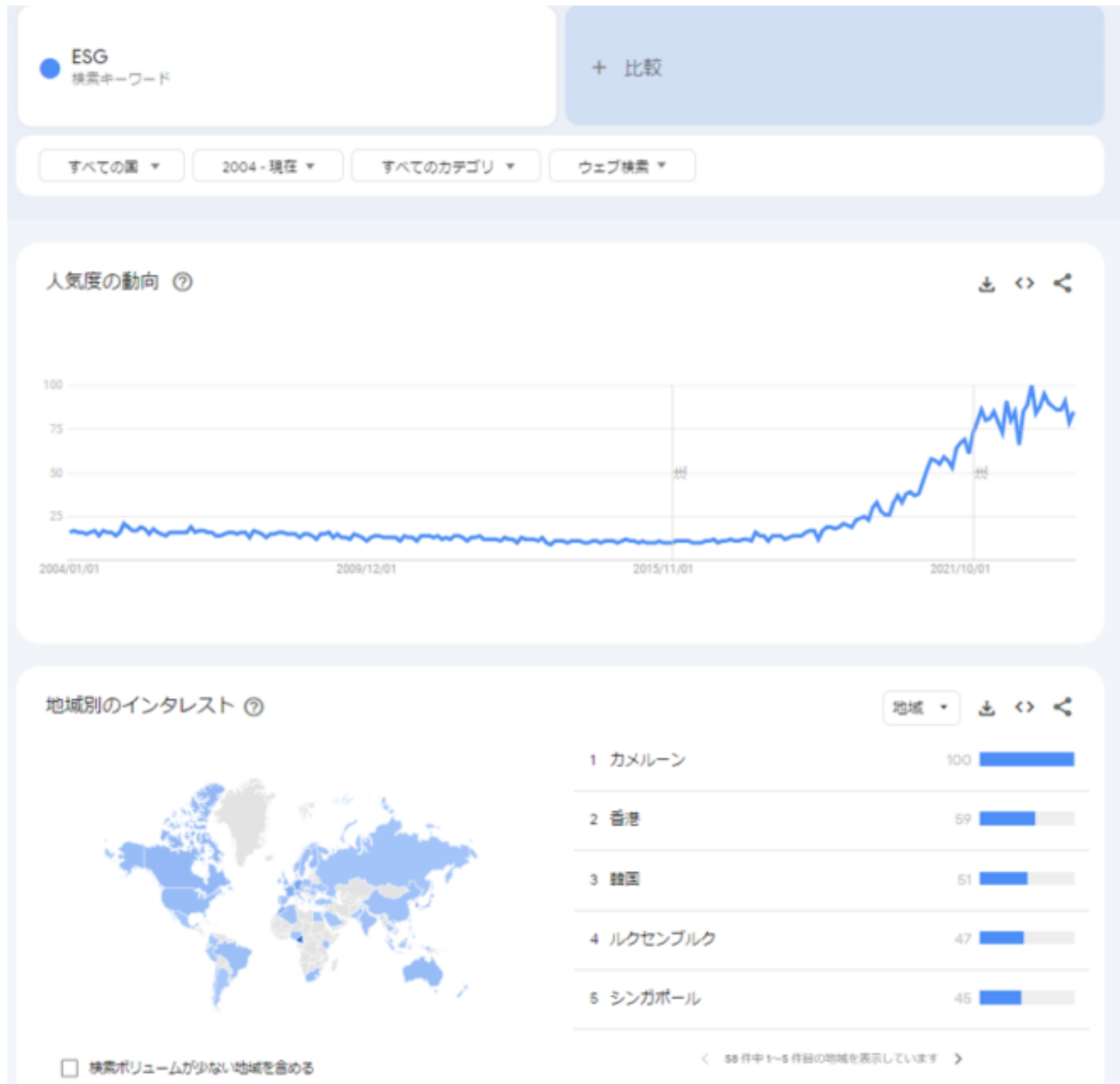
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GoogleSDGs202268ESG2023



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2023??ESG????????

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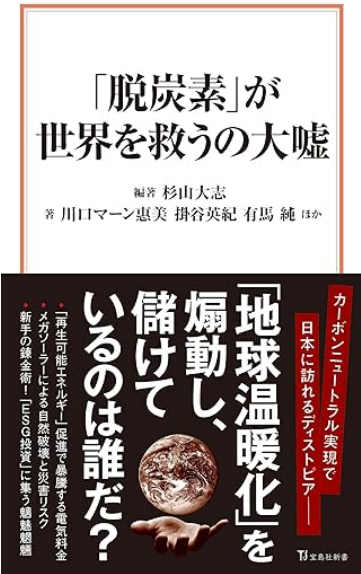
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Posted in ??????????, ???, ????? | No Comments »

COP28????EU????????

?? ?? · Saturday, February 3rd, 2024



Evgeny Gromov/iStock

??12????????COP28??
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???COP28????????????5????????????????????????????????????GST????????????COP????
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(?????)”??
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GST????????

???1????12?13????GST????????NGO????????????COP????????????CCUS??
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EV?PHV?transitional
fuel?”COP?
“transition away from fossil
fuels”COP??12?7?COP??1?
COP??UAE?
COP?????
CCUS?COP?????
CO2?????
CO2?????
CO2?????
de-industrialization?

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0????????EU????????1.5????????????????2500????????1500????????10
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COP28

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1EurActiv, January 16, 2024

Posted in , , | No Comments »

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?? ?? ? · Thursday, February 1st, 2024



ollo/iStock

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??100????GDL????4?????????????????????????????
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Posted in [??, ??](#) | [No Comments »](#)

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?? ?? · Wednesday, January 31st, 2024

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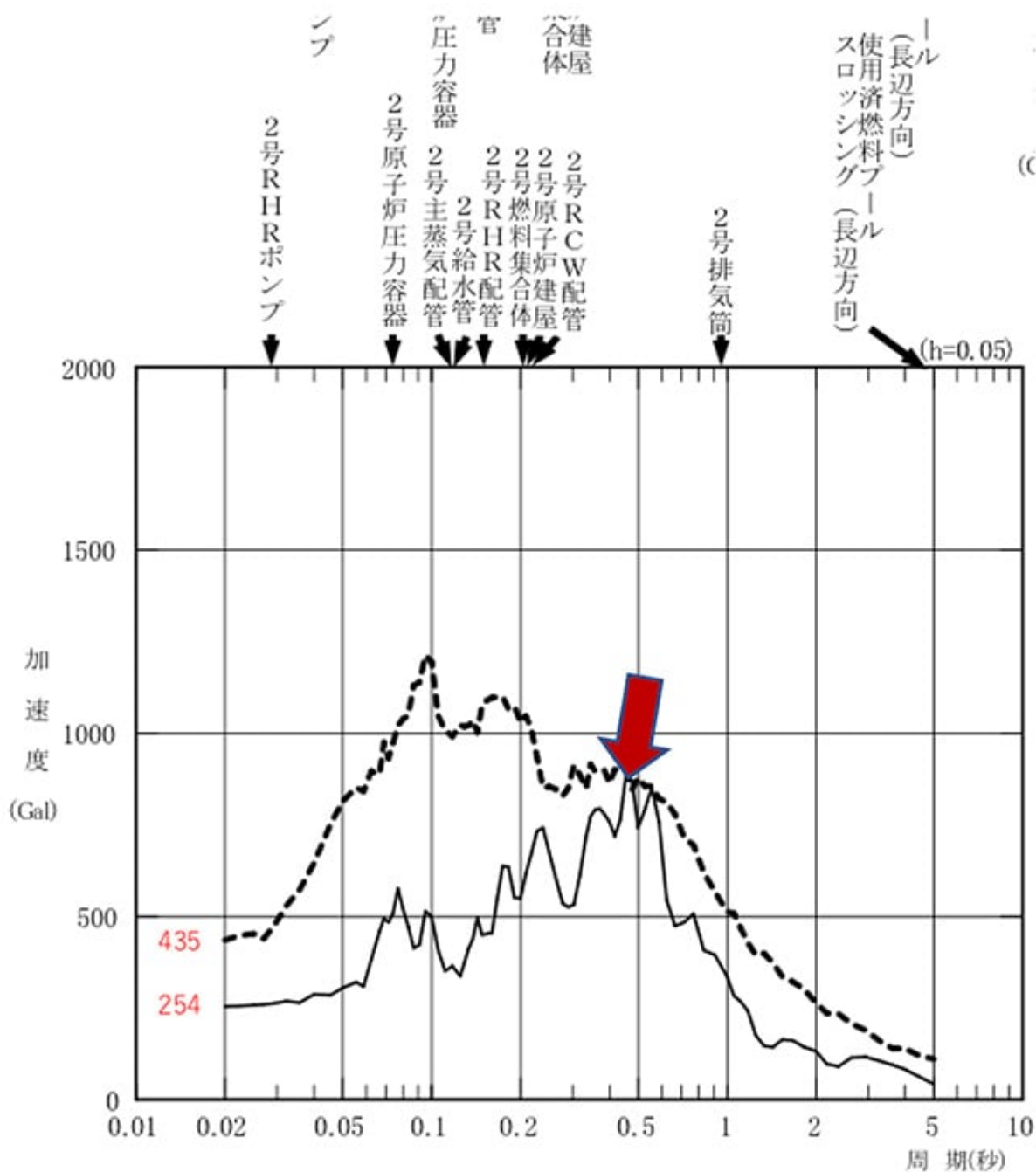
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- ?????????????????????1?2????600????
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 ?????????871????600???“?”????????????????846????????????????

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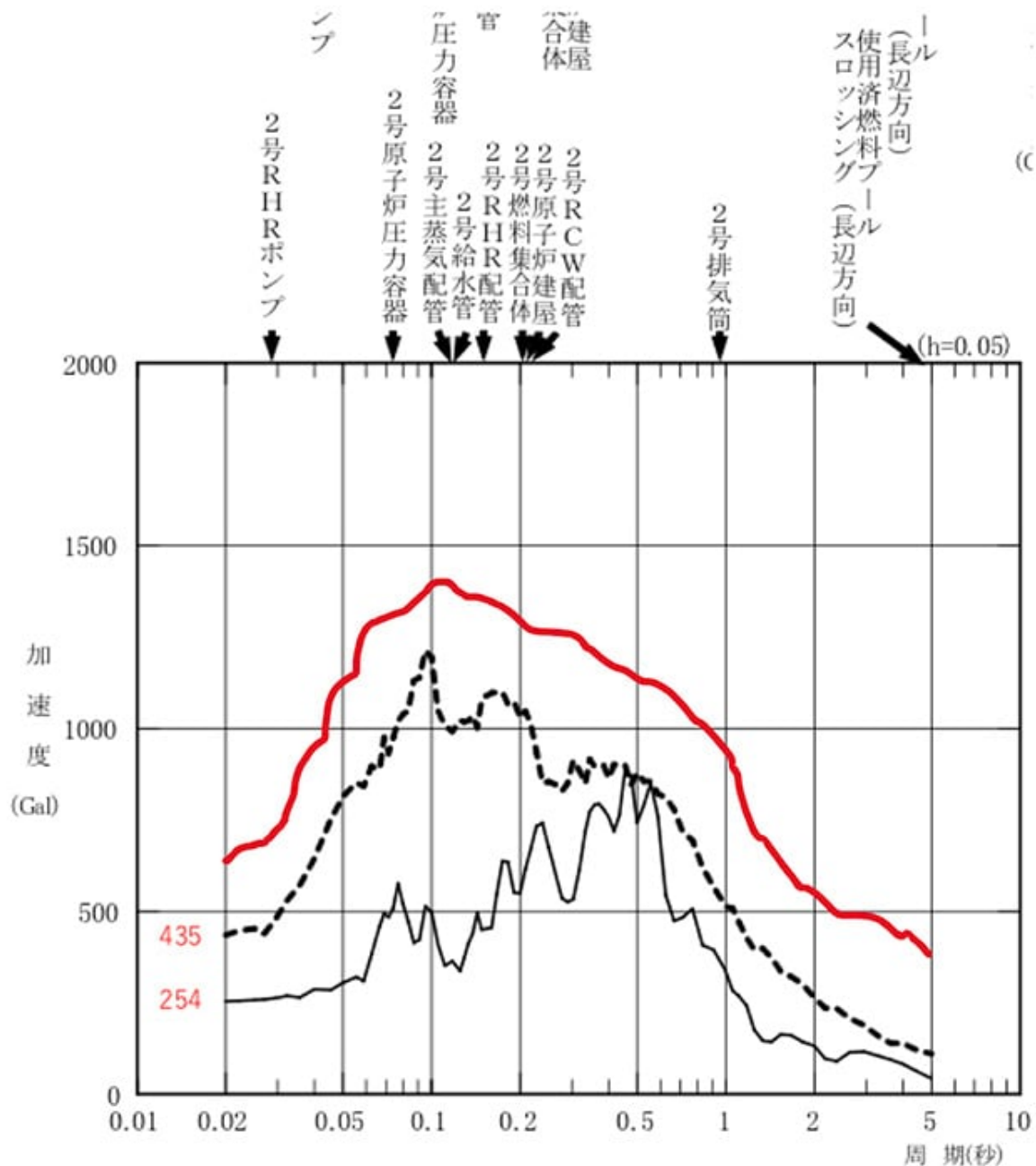
??F????????????G????????????G????????
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?2?????1000???????????

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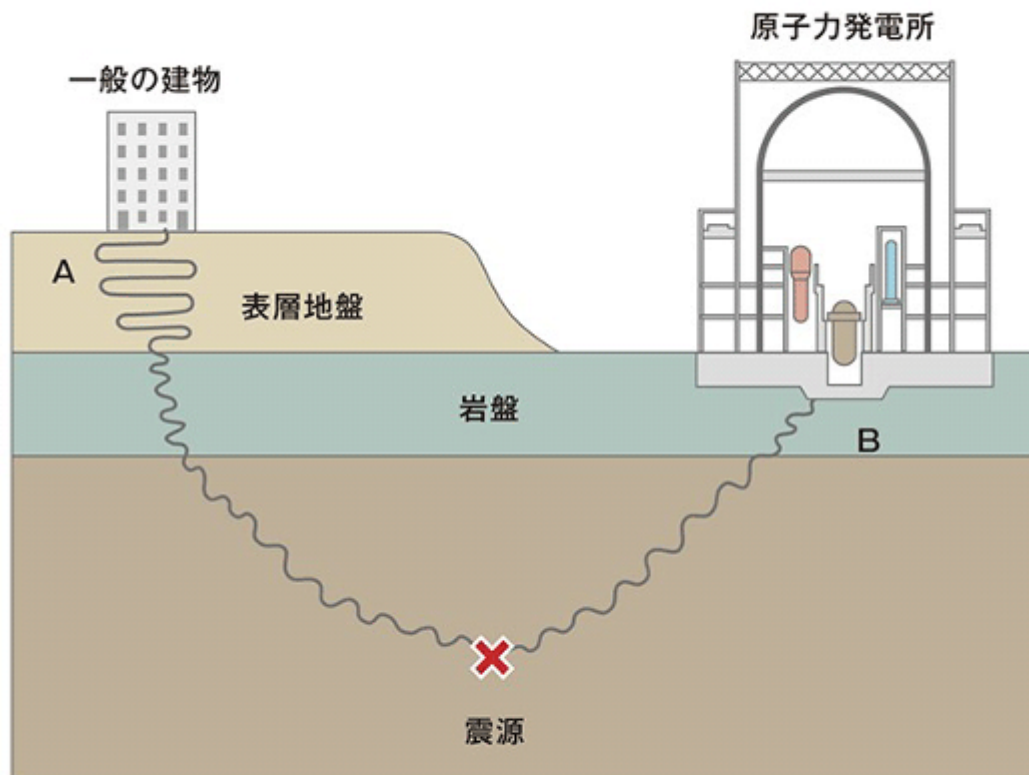
???????2000??????

??2000????????????????
 ??????600??1000?????????????????——?????????????????????????????

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[illegible]

堅固な地盤（岩盤）での揺れは表層地盤に比べ1/2～1/3程度

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

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?? ? · Wednesday, January 24th, 2024



Cinefootage Visuals/iStock

2023?12????????????COP28????????????????????????????????????

COP28??2050????????????????????10??
??transition away from fossil
fuels??

???COP28??2??28????
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Paragraph 28 = A La Carte Menu

28. Further recognizes the need for deep, rapid and sustained reductions in greenhouse gas emissions in line with 1.5 °C pathways and calls on Parties to contribute to the following global efforts, in a nationally determined manner, taking into account the Paris Agreement and their different national circumstances, pathways and approaches:

- ✓ (a) Tripling renewable energy capacity globally and doubling the global average annual rate of energy efficiency improvements by 2030;
- ✓ (b) Accelerating efforts towards the phase-down of unabated coal power;
- ✓ (c) Accelerating efforts globally towards net zero emission energy systems, utilizing zero- and low-carbon fuels well before or by around mid-century;
- ✓ (d) Transitioning away from fossil fuels in energy systems, in a just, orderly and equitable manner, accelerating action in this critical decade, so as to achieve net zero by 2050 in keeping with the science;
- ✓ (e) Accelerating zero- and low-emission technologies, including, inter alia, renewables, nuclear, abatement and removal technologies such as carbon capture and utilization and storage, particularly in hard-to-abate sectors, and low-carbon hydrogen production;
- ✓ (f) Accelerating and substantially reducing non-carbon-dioxide emissions globally, including in particular methane emissions by 2030;
- ✓ (g) Accelerating the reduction of emissions from road transport on a range of pathways, including through development of infrastructure and rapid deployment of zero- and low-emission vehicles;
- ✓ (h) Phasing out inefficient fossil fuel subsidies that do not address energy poverty or just transitions, as soon as possible;

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28.????1.5??
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- [illegible]

[illegible]

8CCUSCO2
 CCUS

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

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

?? ?? · Saturday, January 20th, 2024



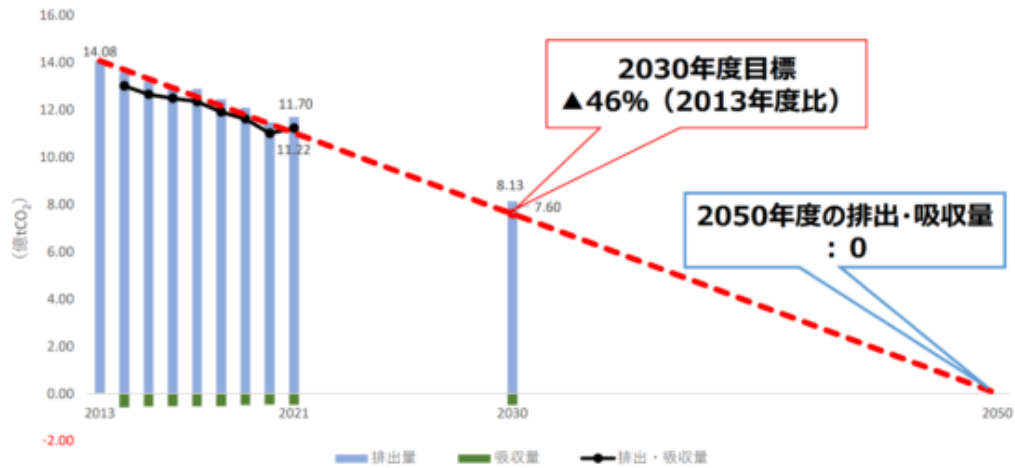
Slavica/iStock

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2030年度目標及び2050年カーボンニュートラルに対する進捗



- 2020年度からの増加については、コロナ禍からの経済回復により、エネルギー消費量が増加したこと等が要因と考えられる。
- しかし、2019年度からは3.4%減少しており、2030年度目標の達成及び2050年カーボンニュートラル実現に向けた取組については一定の進捗が見られる。



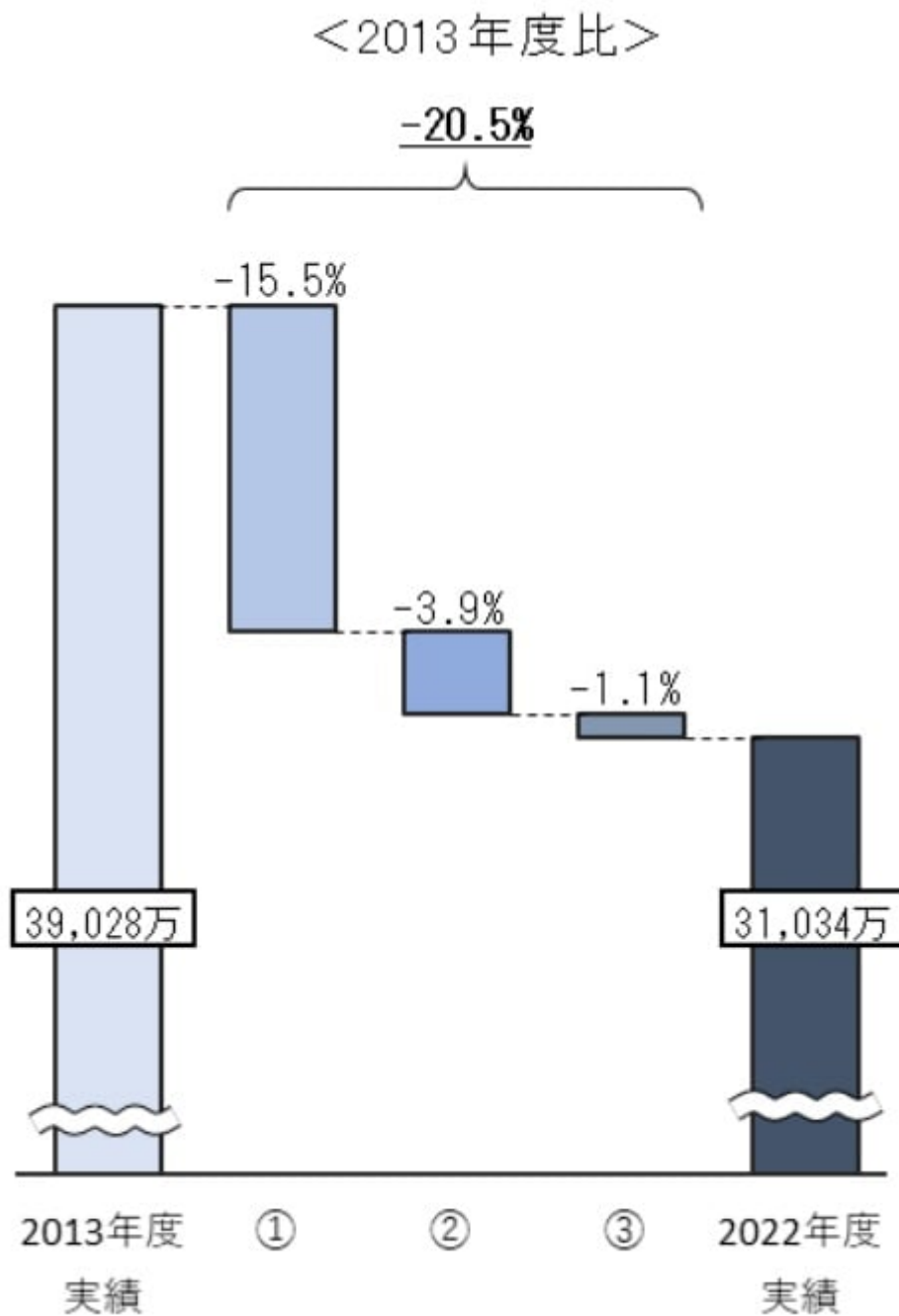
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????????2013???2022????CO2????????76????????????

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

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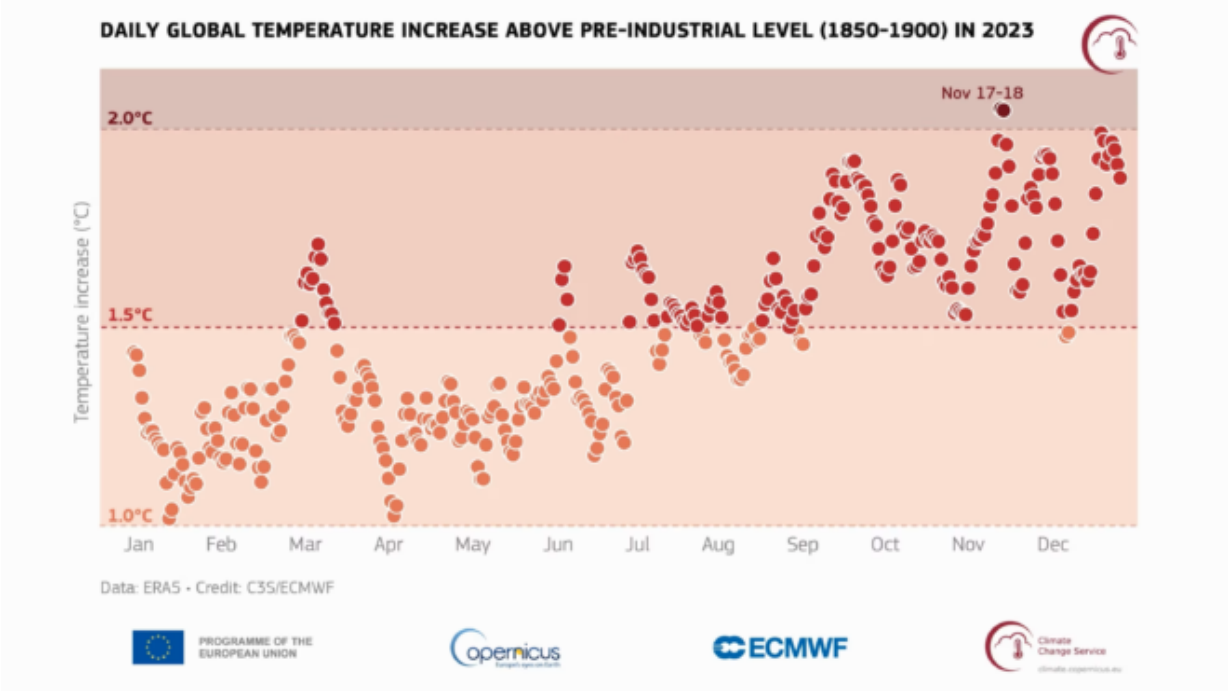
Posted in ??????????, ???, ????? | No Comments »

????????1.5????????????

?? ?? · Wednesday, January 10th, 2024

EU????????????2023????????1.48????

????????1.5????????0.02????1.5????
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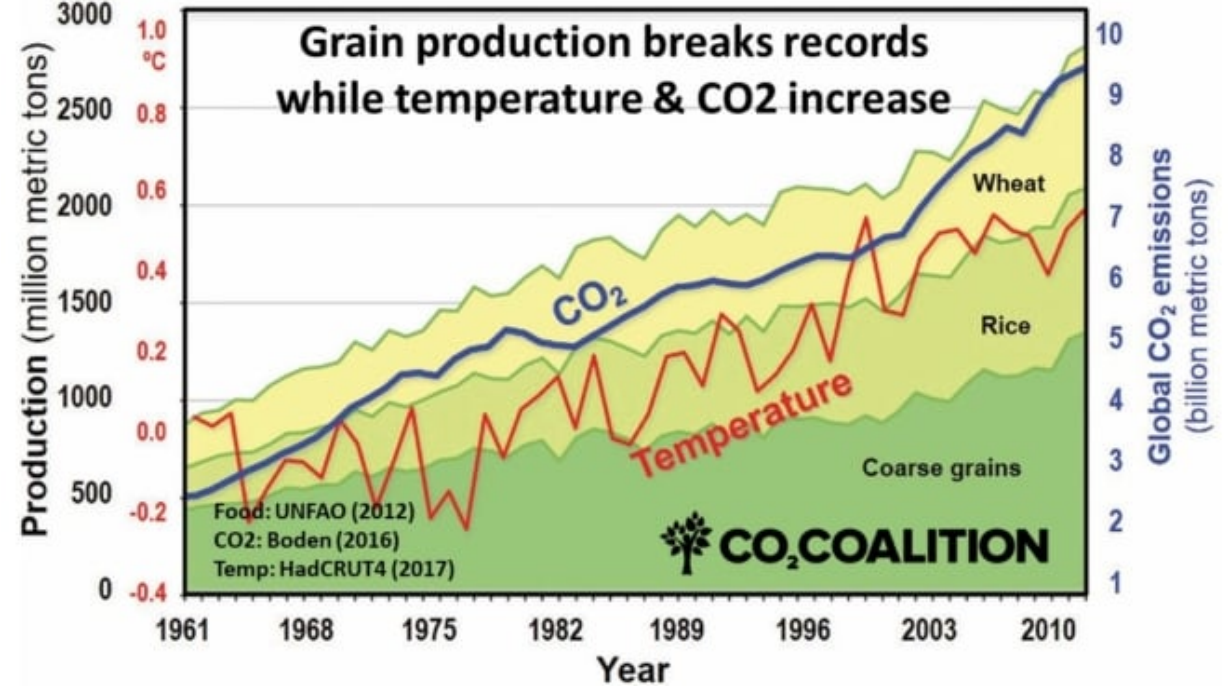


1.5°C(ABC News)

1.5°C

CO

CO



CO2(CO2 Coalition)

10°CWMO4.5mmIPCC7mm

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??300????????????????????3400????????????????
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Foresight??

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

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?? ??? ?? · Tuesday, January 9th, 2024

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[illegible]

1210

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1????????????3???????80?100??????

[illegible]

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[illegible]

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??145??18????????????41??????

??2????????????CDU????????

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

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?? ?? · Sunday, December 31st, 2023



shotbydave/iStock

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??OPEC????????????????????????????
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????G7???CO2??
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Posted in ??????????, ???, ????? | No Comments »

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?? ?? · Saturday, December 30th, 2023



CampPhoto/iStock

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21?4????????????????????????????????????2?8????????????????????????????????????6?7?????????????????
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A.
2020?9????B???ID????????????A???ID????????????????????
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B.
2021?3?16??
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?Wikipedia??

???A????????????????????????????????2015???27?8????????????????
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Wikipedia??

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

COP28?????

?? ? · Tuesday, December 26th, 2023



Heiness/iStock

12????????COP28????????????????????????????COP??????

??NDC??
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????1.5????2050????????????????????IPCC?6????????????2025????????2030???43????2035?
??6??1.5????????????????????????????????
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????????²¹²??1.5????????2025????????2035???60????????????26?27????2025????????
?NDC?????1.5????????????????????47??

????????????1.5????????????????????IPCC????????2025????????2035??60????????????
????????????????????????recognize????????2025????????????????????????
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??NDC??2025????????20
35??60????????????????????????????????2025????????2035??60????????????
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COP28????????????????????1.5????????????????????
????????????????CO2????????????????

????????28????1.5????????????????8????????2050??
????????10????????????transition away from fossil
fuels)????

????2030????????????3????????2????????CCS????????????????????
??29??

????????COP????????????CCS????????????????????????????
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COP28????????8????????????????????????OPEC????????
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12????????UAE????????????????????????????
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00????2050????5????????????68????????69????

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????????????????1000????????

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1.5????

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2021????1.5????????2030???2010???45????2021??
2022??2023??3????????

????1.5????????????????????1.5????
????????COP????

?1?https://unfccc.int/sites/default/files/resource/cma2023_L17E.pdf

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

????????SINO?Science in name only?

?? ?? · Saturday, December 23rd, 2023



metamorworks/iStock

1. COP28???

11?30????2???UAE????????COP28??90,000????????????????????

11?21??????She Changes
Climate????????COP28????????????????????1.5°C????????????????
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8??

COP28 ?????????????????

COP28????????????NHK?????????????“?????”????????????????????
????????????????????NHK????????????????1.5????????????

????????2050????????5????????????????????????????????????Doomsday????
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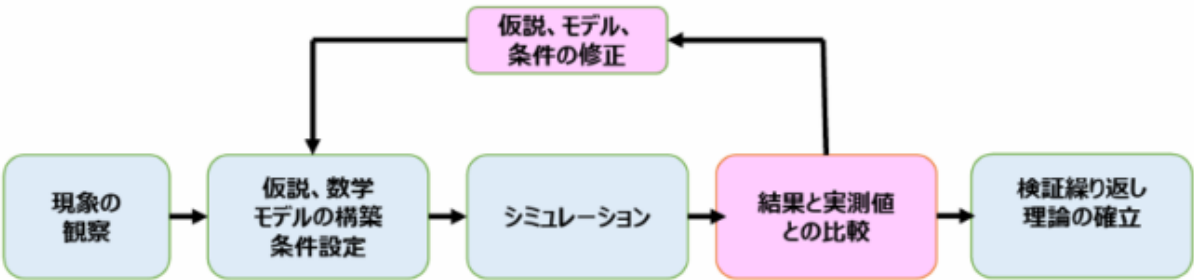
2. ?????????????5????

??5????????????????????????????????IPCC????????????????????????????????????

??20
09??Climategate??

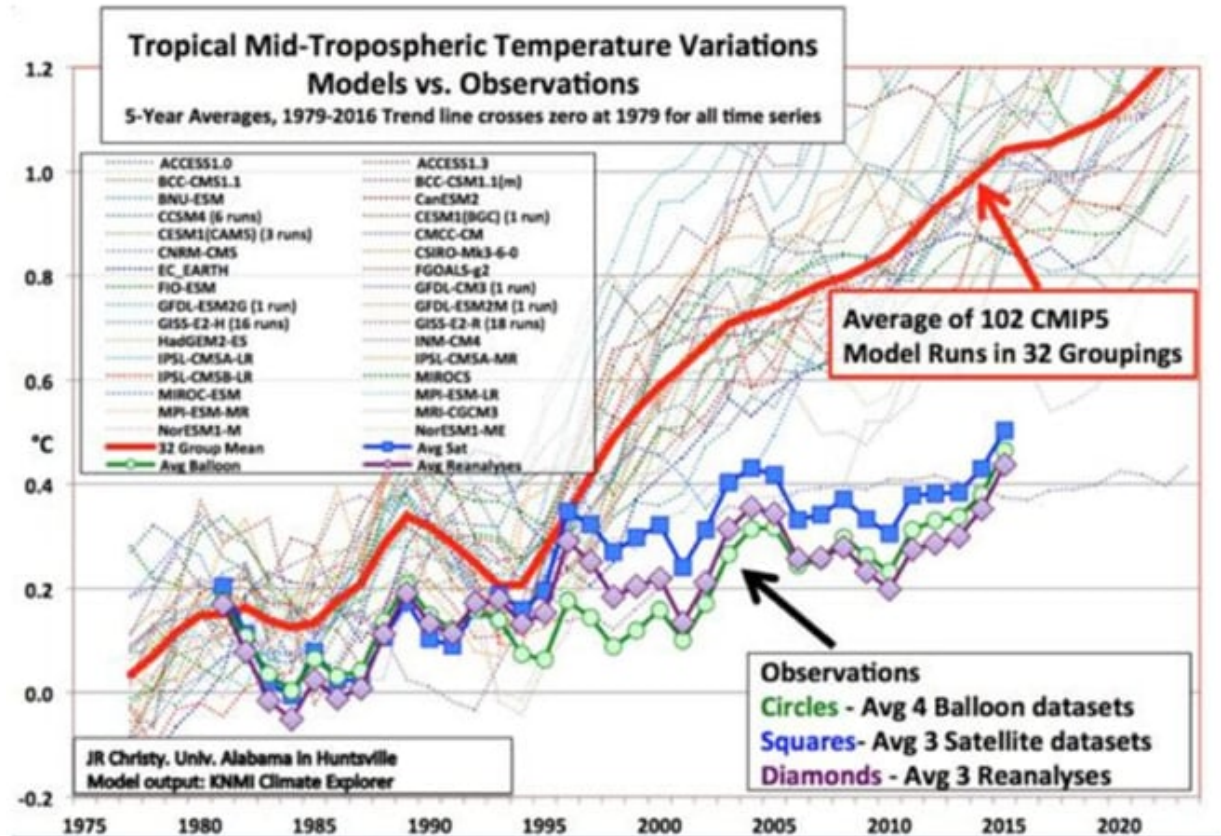
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??1990????????0.3??
????????1.2????4????????????2050????????5????????



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1995????????????2015?????0.5?0.6??1995????Tippin
g Point????????????????????????????????

3. Science in name only

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??30???2050?
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4. ???

EU?????Science in name
only??

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

????????????????COP????????????

?? ?? · Friday, December 22nd, 2023

????????COP28????????COP????????????????????????????????

????????(phase out)????????????????????????????????(phase down)????????(transition away)????????????

COP????????

COP????????????????????(UNFCCC)????????1994????????1997COP3????????

????6????????1??????????

????2015????NDC????2????1.5????2016????

???COP????1.5????EU????2021COP 26????

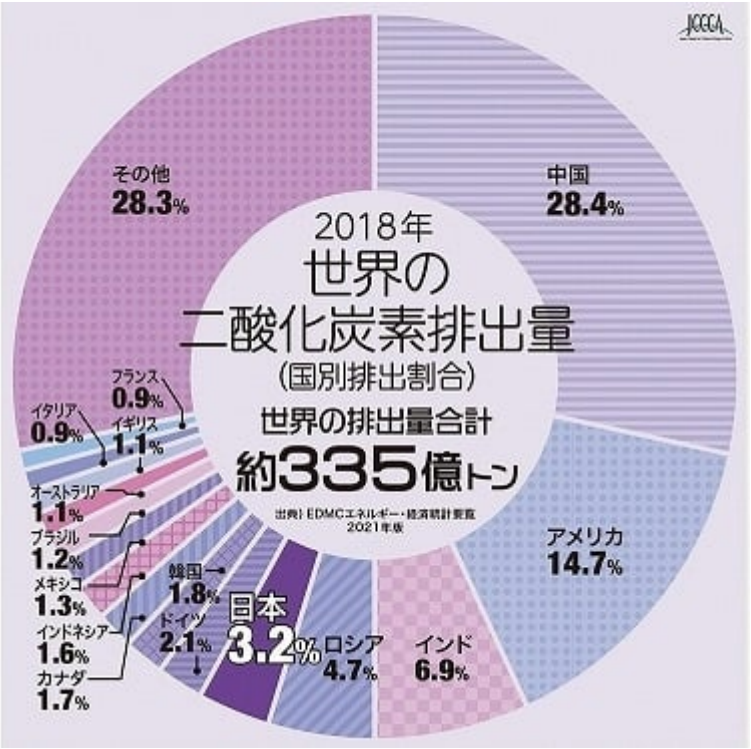
????COP????COP27????1.5????

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????COP????

????COP????1????UAE????11????

???1.5????EU????CO????



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C????????????????

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

COP28????????????????????

?? ?? · Friday, December 22nd, 2023



peshkov/iStock

???COP28????????????????????DeepL????????????????

Climate Alarmists Shame COP28 into Overtime Deal to Abandon Fossil Fuels

????????????????????DeepL??????

The COP28 climate conference in Dubai seemed to be heading for an anticlimax on Tuesday, as the last scheduled day of negotiations passed without reaching the top goal of the climate movement: a worldwide agreement to phase out fossil fuels.

The conferees went into “overtime,” however, and were able to hammer out a “historic” deal to “**transition away**” from fossil fuels in a “just, orderly, and equitable manner” to “achieve net zero by 2050.”

There was still some grumbling about a much weaker agreement than the climate faithful wanted. The coming months will surely be filled with debate about what “**transition away**” means, compared to the originally desired language of “phase out,” and just how many exceptions will be granted under the rubric of “just, orderly, and equitable.”??????

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“??“???? “??”?????????????

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COP28 ??????????????????

NHK????????COP28????????????????

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???NHK????????????COP28????????????????????

DeepL?NHK????????transition away????????????

???Google????????????????????????????

????????COP28??
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- ?????????????COP28?12?13????
- ?????????10????COP28???12?13????
- 10????????COP28????12?13????
- ?????????COP28????12?13????
- ???COP28????????12?17????
- COP28????????1????12?13????
- COP28????????12?13????
- COP28????????12?14??BBC????

COP28????12?18??

(7) 公正な移行

COP27 で決定された「公正な移行に関する作業計画 (JTWP)」について、雇用、エネルギー、社会経済等の要素を含むこと、作業を 2026 年まで継続し、その時点で効果や効率性について評価を行い、継続を検討すること等が決定された。

????????28????COP28????
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Posted in ??????????, ???, ????? | No Comments »

????????????????????EV????????????

?? ??? ?? · Thursday, December 21st, 2023



Ignatiev/iStock

EV??????...???????

12?17???7????????????EV????????????????????5??????

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 ?????????????????????1949????????????????????????

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??30?????45?????50????????????????????1????????

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??7.5????????????3.5????????????????????????????????????

3.5??

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EU??

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??16??17??no farmer, no food, no future??

???17????????????????????????????????????17??

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5????????????????????3????????????????????5????????????????????????????????

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

COP28 ?????????????????????

?? ?? · Tuesday, December 19th, 2023



yudhistirama/iStock

NHK????????COP28????????????????????

COP28 ?????????????????

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????????????COP28????????????????????????????????????

??NHK????????COP28????????????????????

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28. Further recognizes the need for deep, rapid and sustained reductions in greenhouse gas emissions in line with 1.5 °C pathways and calls on Parties to contribute to the following global efforts, in a nationally determined manner, taking into account the Paris Agreement and their different national circumstances, pathways and approaches:

- (a) Tripling renewable energy capacity globally and doubling the global average annual rate of energy efficiency improvements by 2030;
- (b) Accelerating efforts towards the phase-down of unabated coal power;
- (c) Accelerating efforts globally towards net zero emission energy systems, utilizing zero- and low-carbon fuels well before or by around mid-century;
- (d) Transitioning away from fossil fuels in energy systems, in a just, orderly and equitable manner, accelerating action in this critical decade, so as to achieve net zero by 2050 in keeping with the science;

Draft decision -/CMA.5?Outcome of the first global stocktake

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- calls on Parties ??COP????????????????
- contribute to the following global efforts ?????????????????
- in a nationally determined manner ?????????????????
- different national circumstances,..., in a just, orderly and equitable manner ?
????????????????
- accelerating action in this critical
decade??????2020????????????????

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????????2030????????1????????20
30????????5.8-5.9????2050????????5????

67. *Highlights* the growing gap between the needs of developing country Parties, in particular those due to the increasing impacts of climate change compounded by difficult macroeconomic circumstances, and the support provided and mobilized for their efforts to implement their nationally determined contributions, highlighting that such needs are currently estimated at USD 5.8–5.9 trillion for the pre-2030 period;⁵

68. *Also highlights* that the adaptation finance needs of developing countries are estimated at USD 215–387 billion annually up until 2030, and that about USD 4.3 trillion per year needs to be invested in clean energy up until 2030, increasing thereafter to USD 5 trillion per year up until 2050, to be able to reach net zero emissions by 2050;⁶

1????1????????????150???1?????15????????????????????????????????????2030????????????????
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????COP????????????????

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

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GEPR??? · Thursday, December 14th, 2023



deepblue4you/iStock

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????????????????????VRE??VR
E????????????????GHG????????????

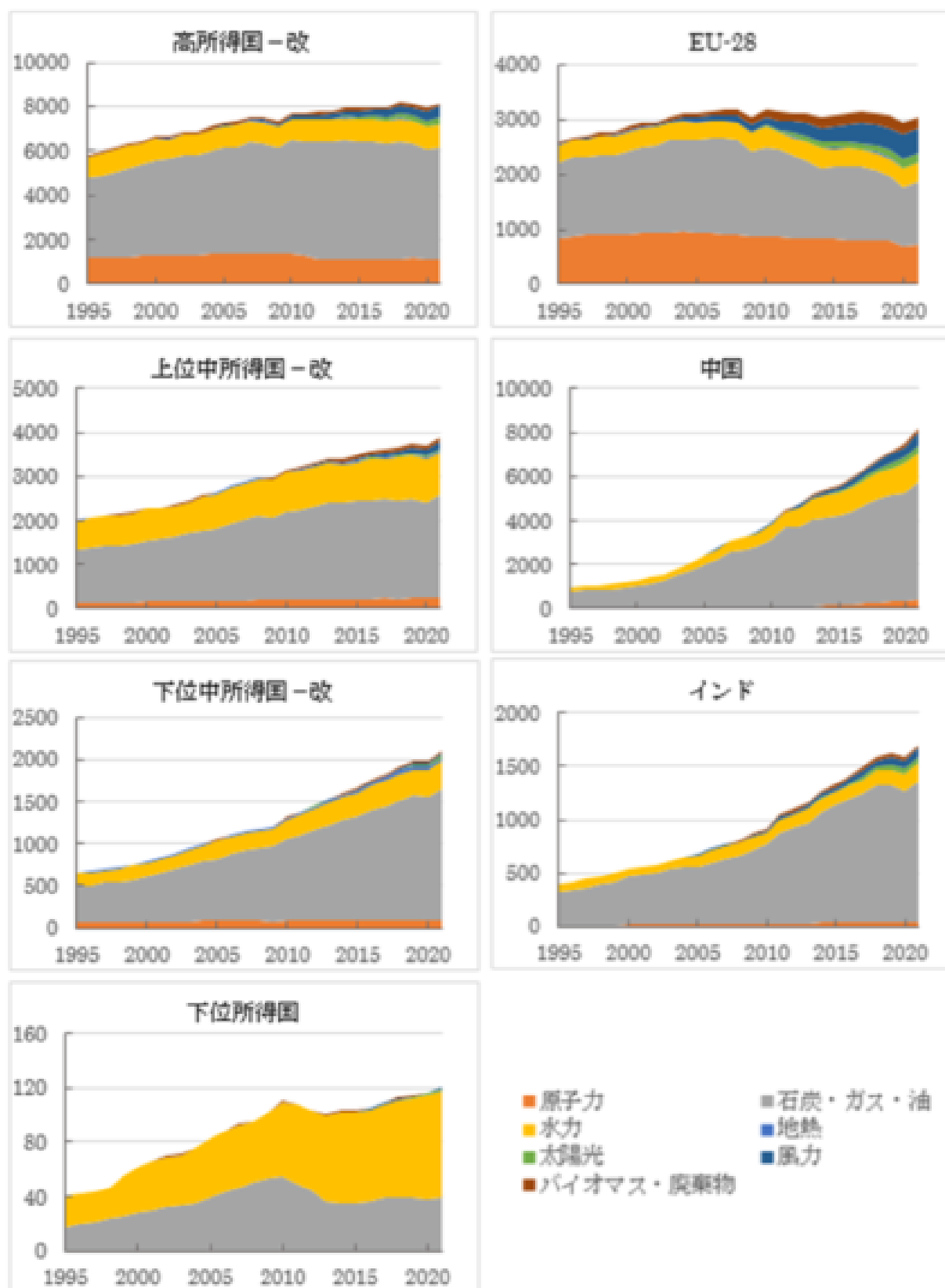
? 2 3 ????????????????????????????????????? -

??EU-28???10??

出所：米国 eia, International データで作成

出所：米国 eia, International データで作成

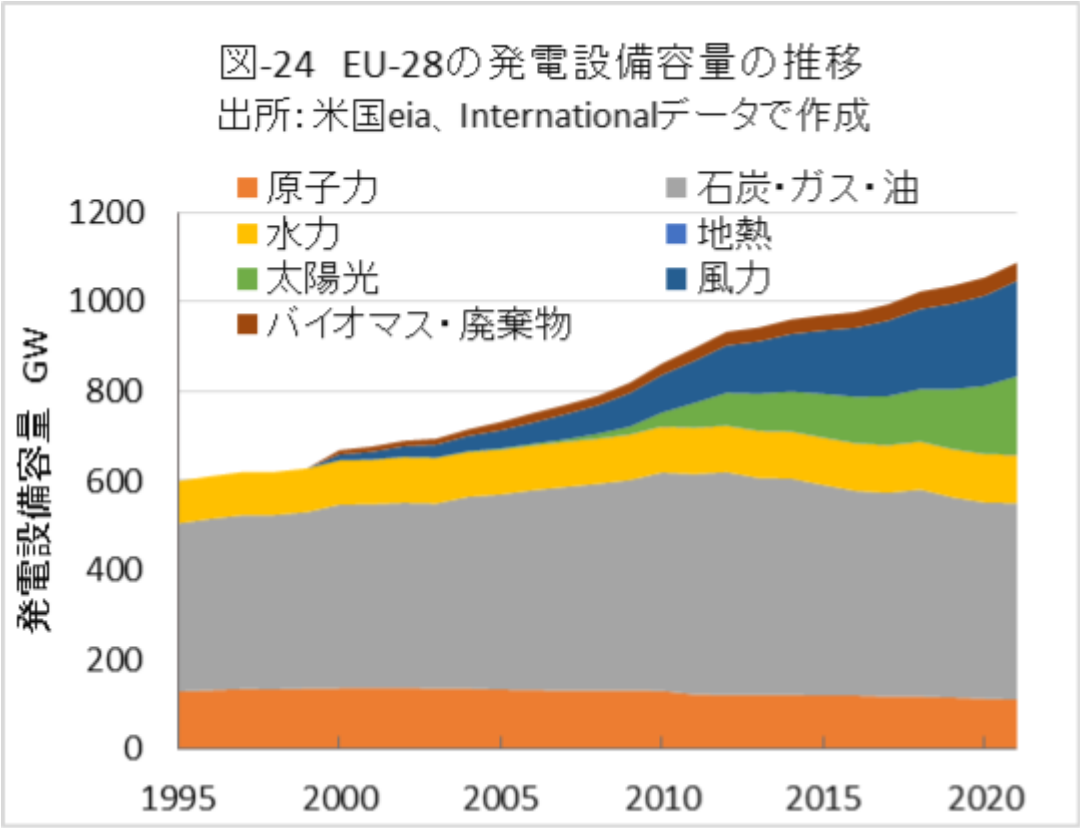
グラフ縦軸：年間発電電力量 TWh

[illegible]

GHG????????????????????EV??VR
E????????????????????

EU??VRE???

?24??EU-28??2000????VRE????????2010????????
????23????????????????2010????????????????



VRE????????????GHG????????????VRE????????????CO2????
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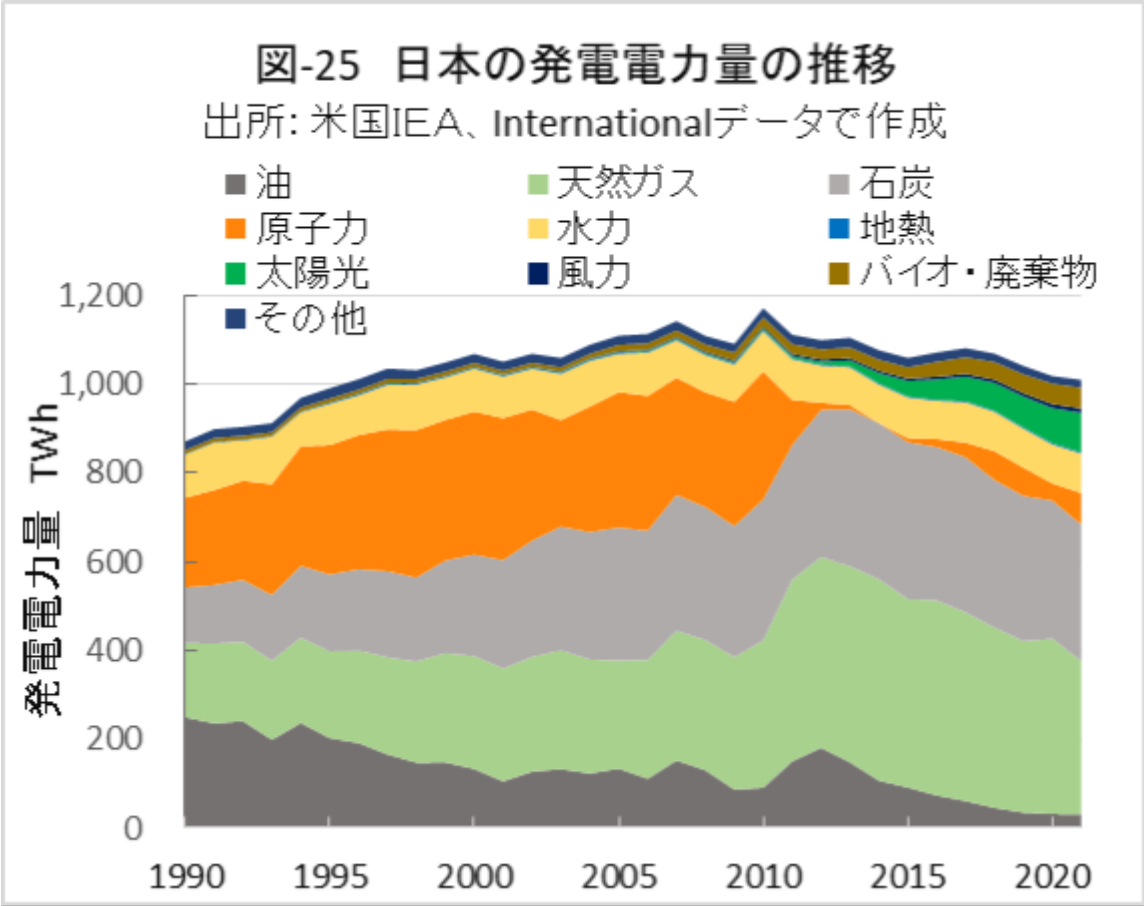
VRE??

????50%????????????10%????????????????????
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???EU-28??VRE????????????GHG????VRE????????GHG????
??VRE????????????

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????????25????????1990????1?kWh????
????2009????



2011?3????????????????25%??LNG????????????????????
????????????

??5??G8????????????????????????1000??2012?7??????
?FIT????????????5???2017????????????????????25%????????????????????????????????FIT????????????
????FIT????????????????????????FIT??

????????????VRE

???VRE??GHG????????VRE????????????
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??VRE??
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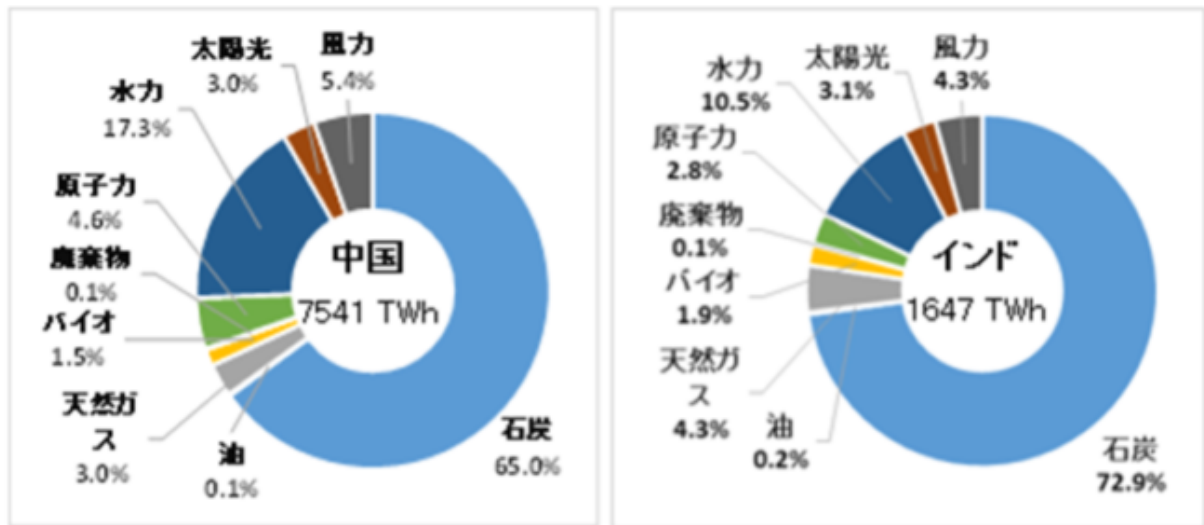
??GHG????VRE????????????
VRE??VRE????????????
????VRE????????????????????????????

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

?26????????????????????????2/3??

図-26 中国とインドの電源構成 (2019 年)

出所: IEA データで作成



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?????GHG????2/3????????????????????2050?GHG????????????????????GHG????????????????

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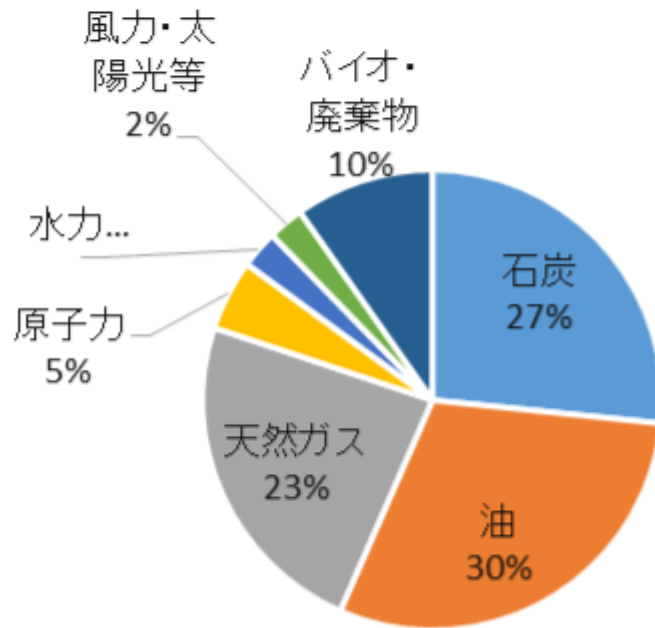
??????????

2050?GHG??GHG????????????????

?????????GHG??VRE????????????????27??????

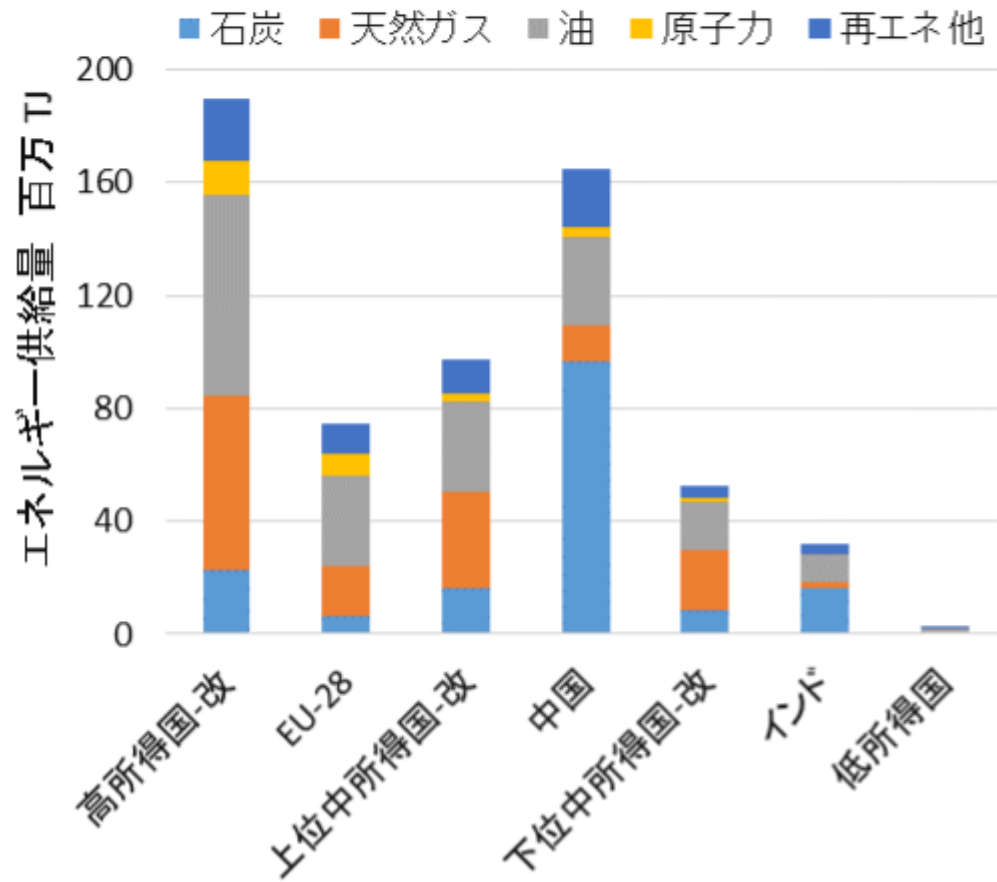
?????????TES????????????????27%????????

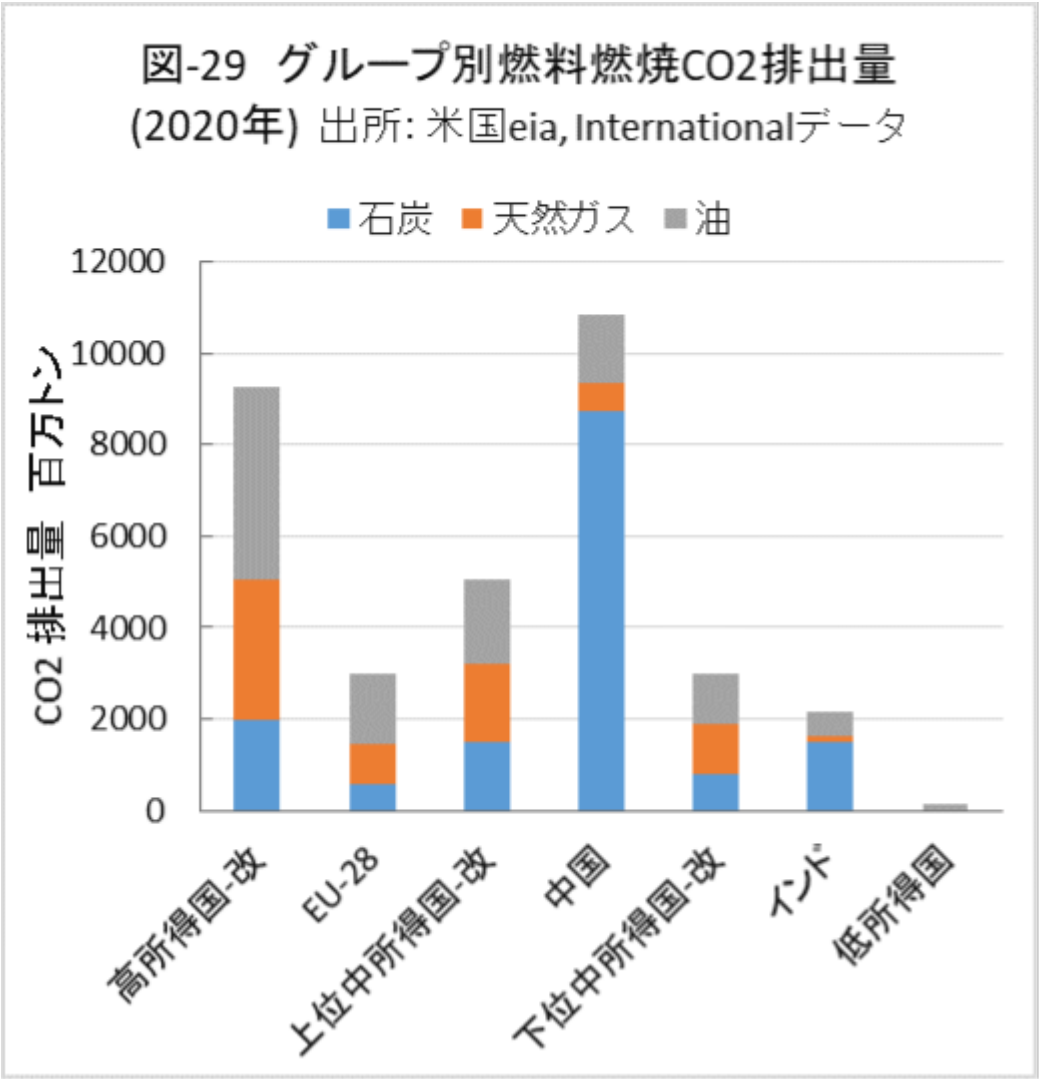
図-27 世界の一次エネルギー供給量
(2020年) 出所: IEAデータ



?28?????7??29??7????????????????CO2???????????

図-28 グループ別 一次エネルギー供給量
(2020年) 出所: 米国eia、Internationalデータ





28%?2020?52%?16%?29
CO2?

CO2?0.56?

LCA?LNG?
0.6?0.65?35?40%?CO2?

18%?6?IEA?2020?57?1?GHG?
1?GHG?
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70%?
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?

30%?
1970?

2?1?

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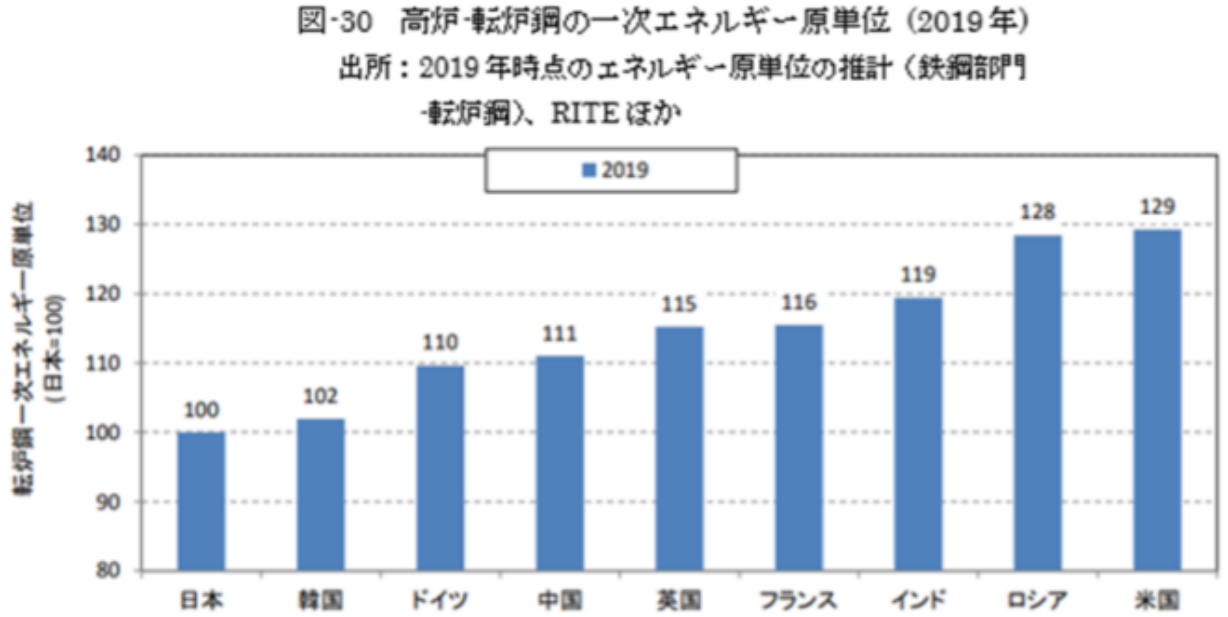
????????????????????100??
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GHG?????????????????GHG????????????????2050?????????GHG????????????
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GHG????????????????????????????????EU?????????GHG???60?70%?????????????????GHG?
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Posted in ??????????, ??? | [No Comments »](#)