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

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

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?? ?? · Wednesday, March 20th, 2024



Jay_Zynism/iStock

????????????????3??1??29.2????????????????5????????380????????48.7%???2????????NGO?????

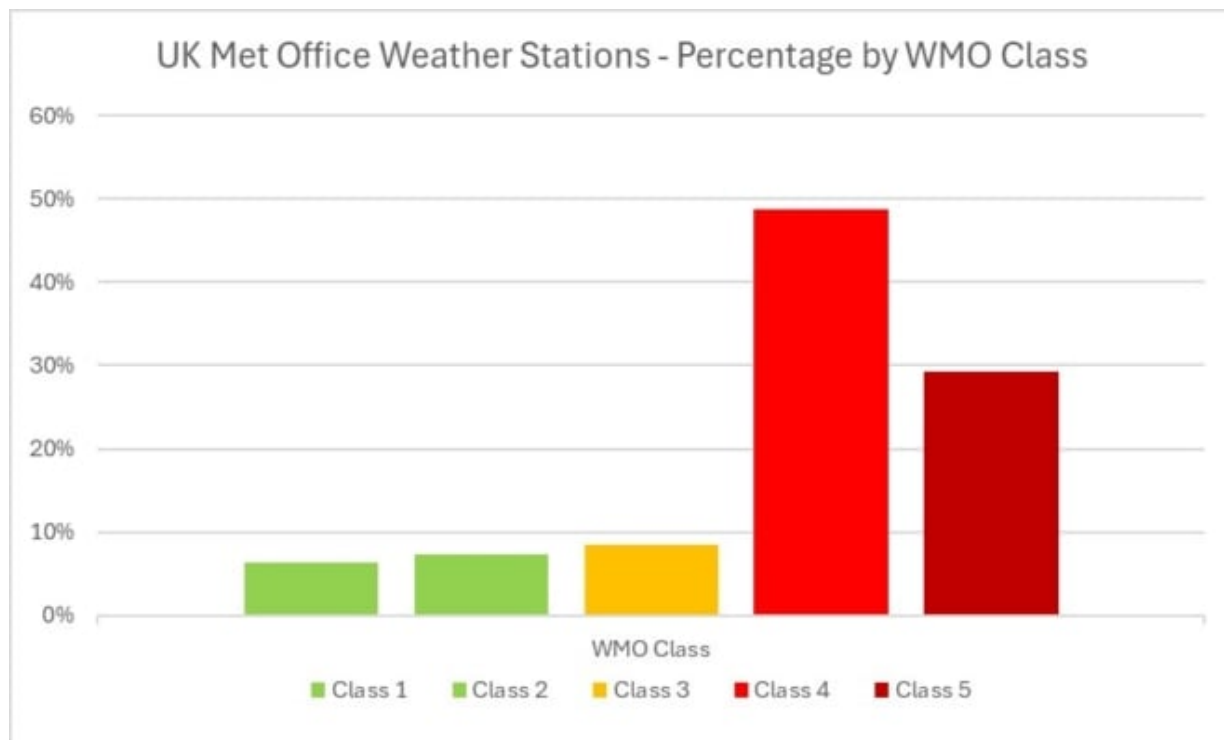
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Google

Earth??5????????
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2022??19??????????????????39??18??39.4????????????

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Average Temperature Anomaly



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Posted in ???, ????? | No Comments »

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?? ?? · Wednesday, March 20th, 2024



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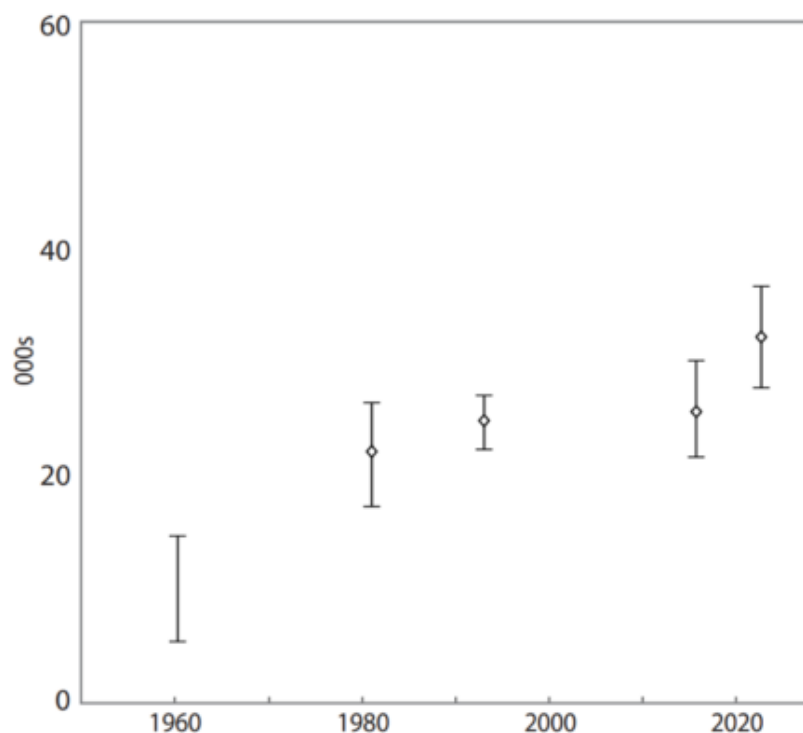
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?? ?? · Tuesday, March 19th, 2024



JohnPitcher/iStock

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Figure 1: Estimates of the global polar bear population, 1960 to date.



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

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?? ?? · Monday, March 18th, 2024



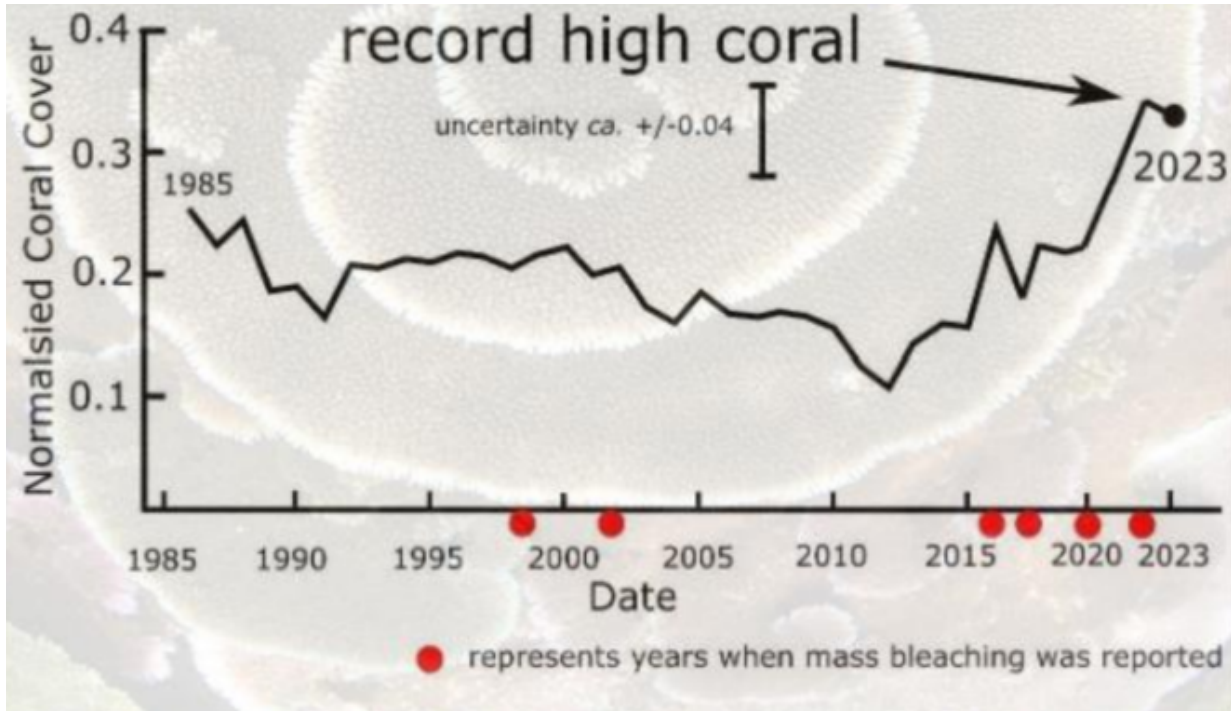
Niklas Flindt/iStock

????????????AEF???"????????????????2024?State of the Great Barrier Reef 2024
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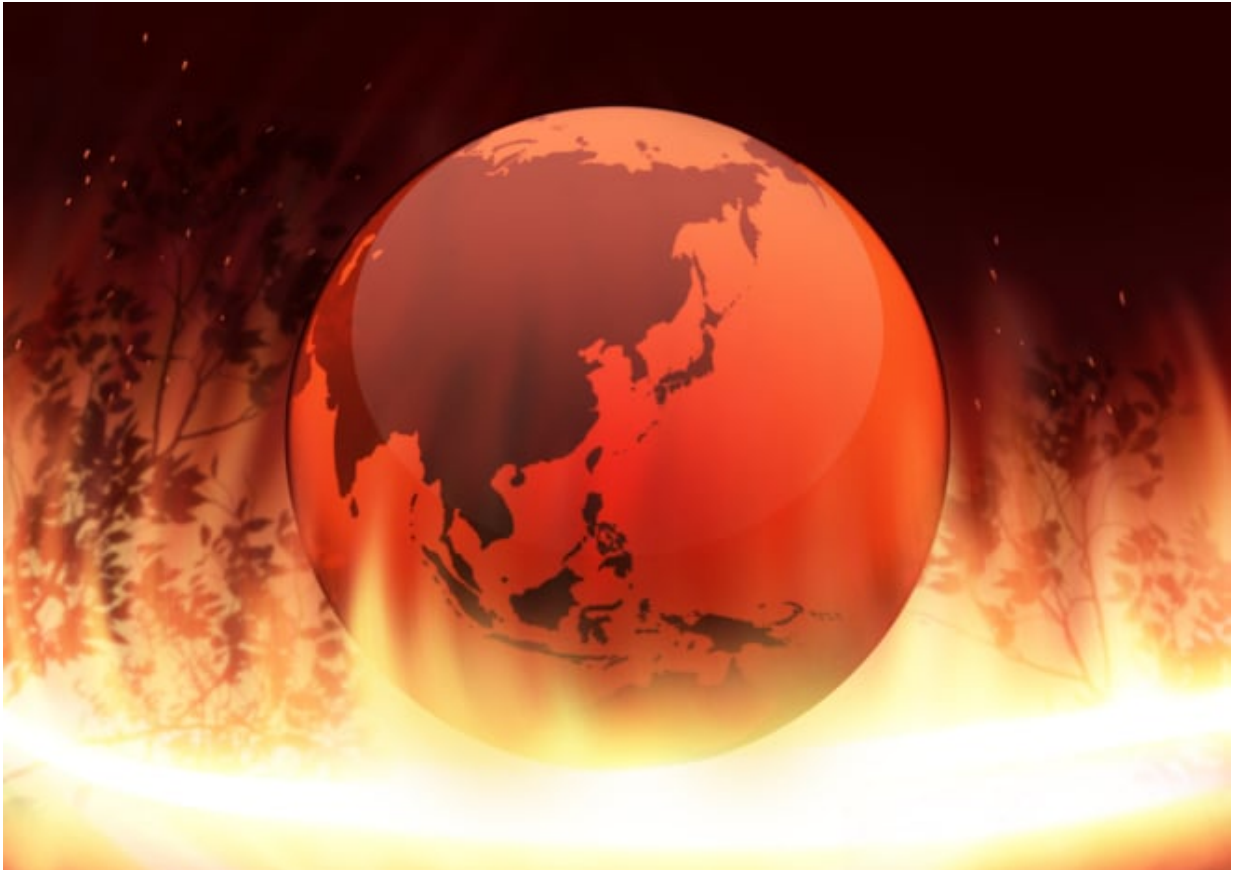
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Posted in ???, ????? | No Comments »

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?? ?? · Tuesday, March 12th, 2024



Tr6/iStock

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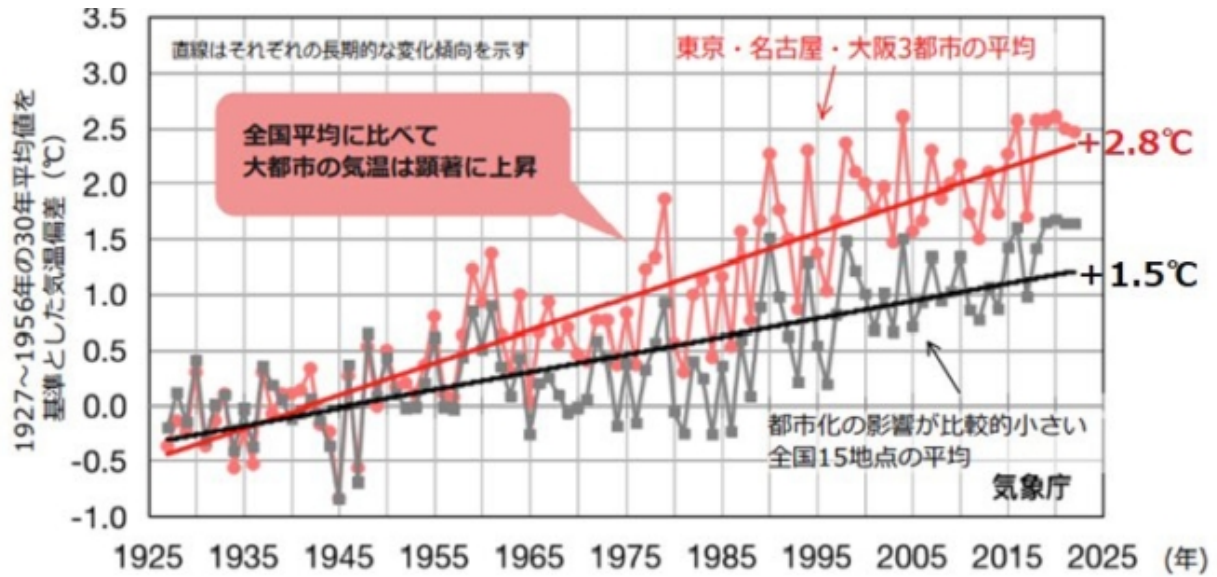
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??pic.twitter.com/Jriq7emhUT

— Kenji Shiraishi (@Knjshiraishi) [March 8, 2024](#)

??IPCC?6????????????????????????????????2????????????
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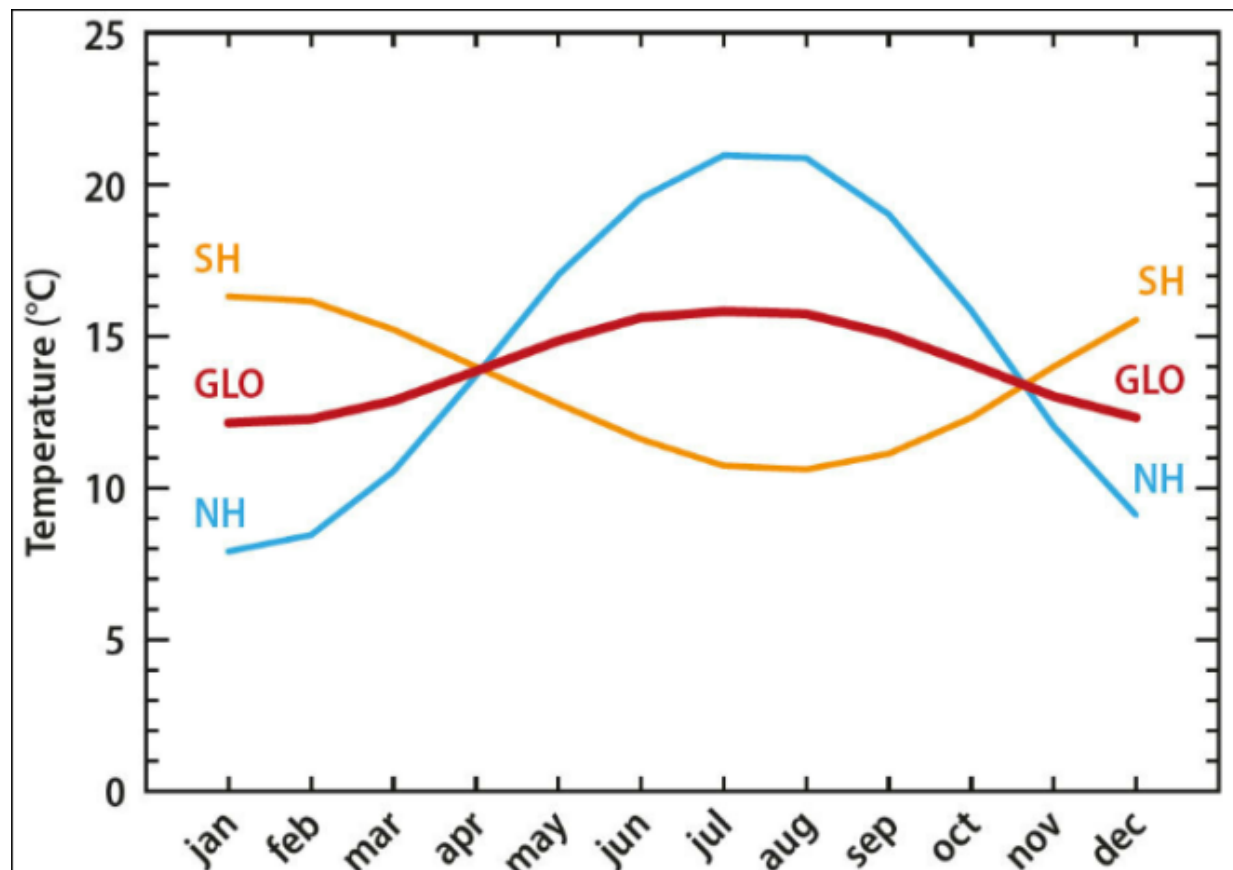
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????????????????(UHI)????1??



1927~1956年の30年平均値を基準とした気温偏差 (°C)

UHI (Urban Heat Island) の影響は、大都市圏で顕著に観察され、IPCC (Intergovernmental Panel on Climate Change) の報告書でも指摘されている。

UHI (Urban Heat Island) の影響は、大都市圏で顕著に観察され、IPCC (Intergovernmental Panel on Climate Change) の報告書でも指摘されている。



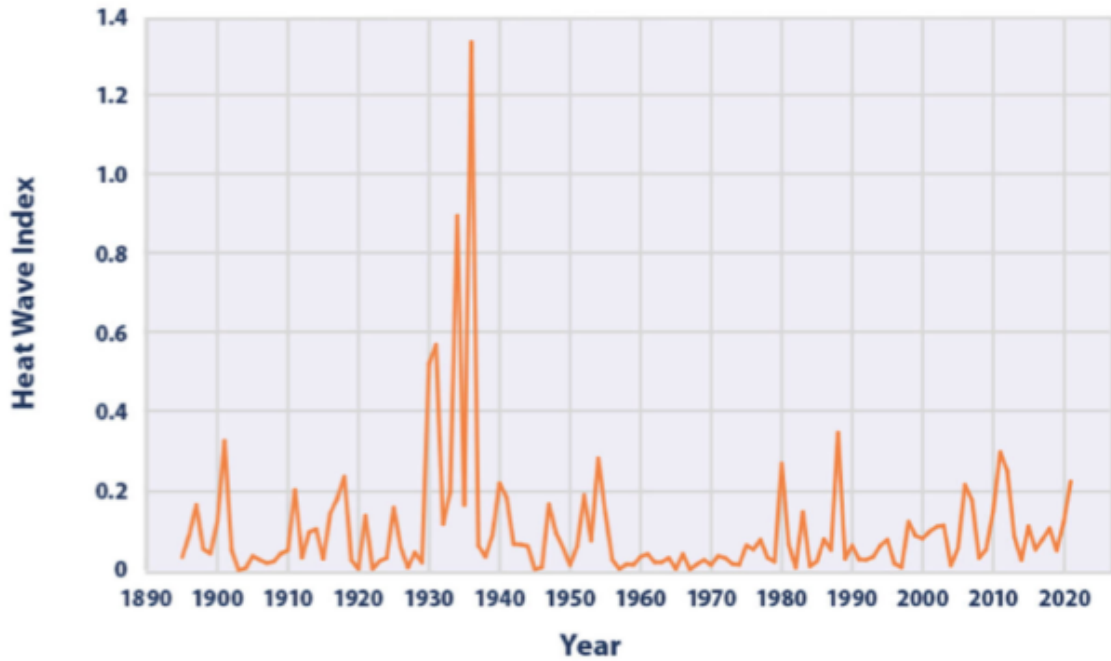
1961-1990年間の平均気温 (GMST)

UHI (Urban Heat Island) の影響は、大都市圏で顕著に観察され、IPCC (Intergovernmental Panel on Climate Change) の報告書でも指摘されている。

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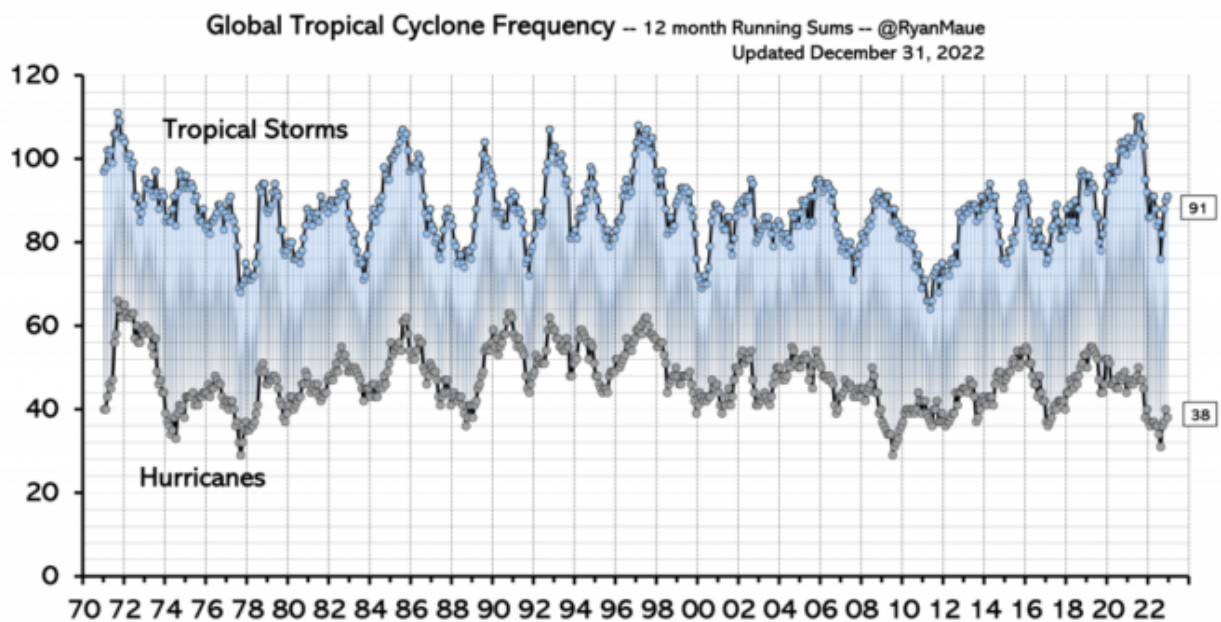
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?4????????????(Burn & Palmer)

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?? ?? · Monday, March 11th, 2024



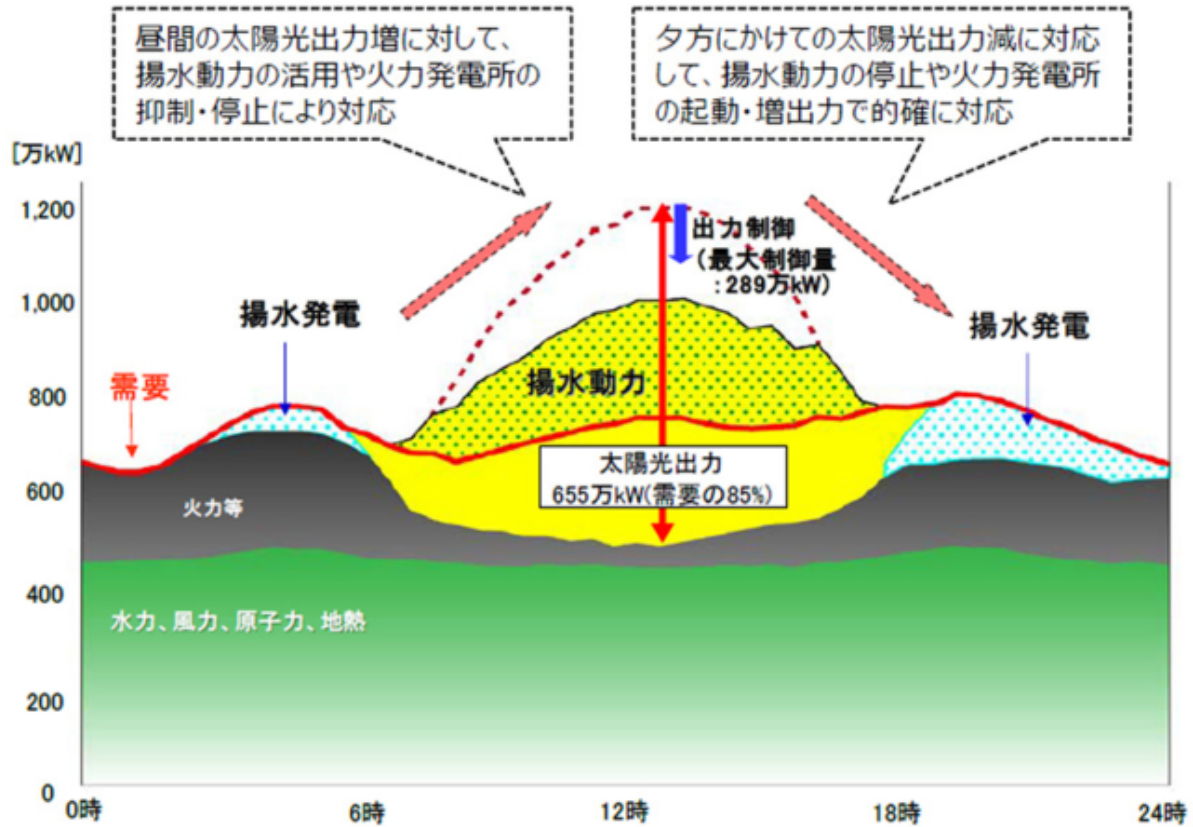
gorodenkoff/iStock

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<2020年3月8日の九州の電力需給イメージ>



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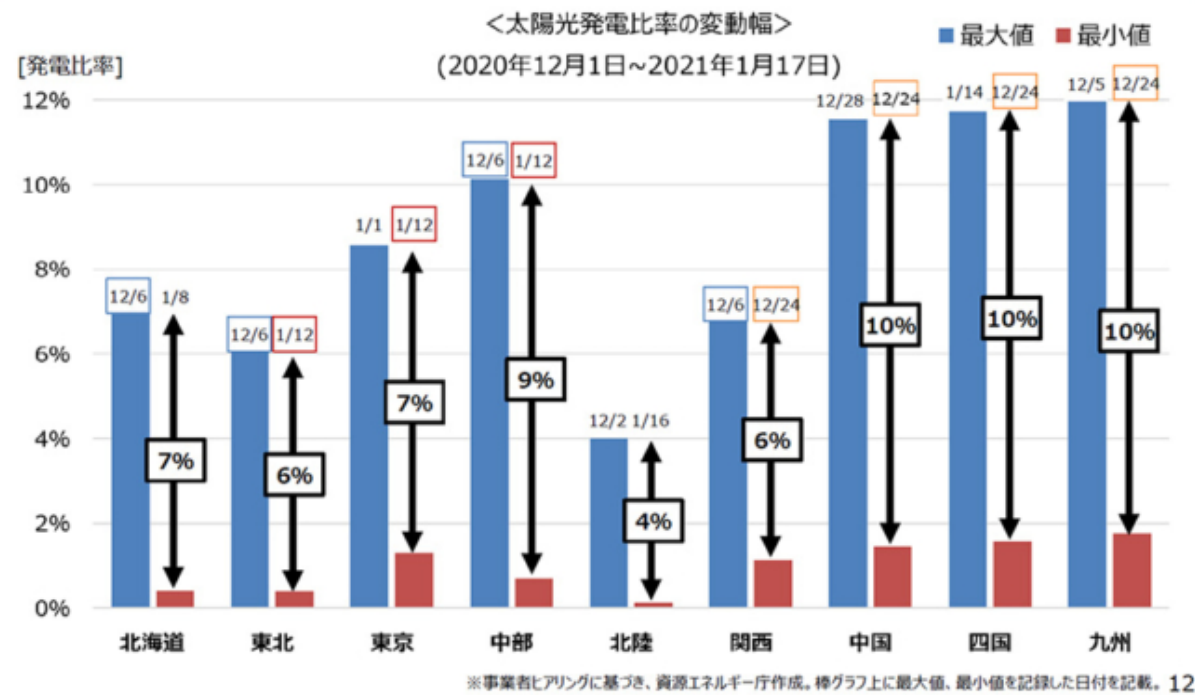
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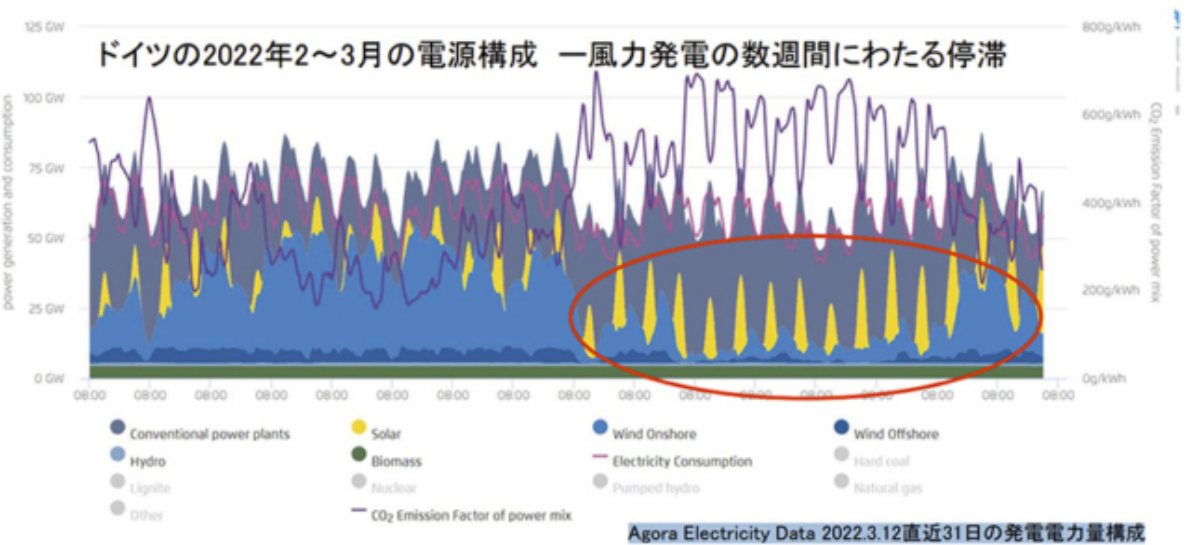
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【参考】太陽光発電比率の変動幅（2020年12月1日～2021年1月17日）

- 2020年12月1日～2021年1月17日の期間において、発電量全体に占める太陽光の発電量比率の変動幅（最大値と最小値の差）は、各エリアの総発電量の約4%～約10%分となっている。



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

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?? ?? ? · Sunday, March 10th, 2024



Muhammet Camdereli/iStock

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3?2?????????????RIA????????????????????????5????????????1?????3????????????????????
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Posted in [??, ??](#) | [No Comments »](#)

????????1000???2????????

?? ?? · Sunday, March 10th, 2024



taka4332/iStock

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????????????2000????????CO2????????????????????IPCC????1????0.5????
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????43????????1.5????????

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43????????????60????

Q26-3 太陽光パネルの導入効果について③ 60
新制度により住宅への太陽光パネルの導入が増えると、
どの程度のCO2削減効果がありますか？

A 26-3 新制度で義務化される導入分に加え、その波及効果等も合わせると、2030年までに新築・既存含めた都内住宅で新たに100万kWの太陽光パネルが導入されることを想定しています。このCO2削減効果は、年間約43万tであり、2030年までに家庭部門で必要な削減量の約5％に相当します。

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????1????0.5????

$0.5 \times 43 \div 21.5 \approx 1$?????????????????????1 ÷ 1??1??

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???2000????????????0.000000215??????1????2??????

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

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?? ?? · Thursday, March 7th, 2024



ConceptCafe/iStock

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?????ESG??ETf?????S&P?ESG??????????????

?????JP??3????????????100+?????????
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????????????ESG??

?????2023?1????????????????????????????????2022?11?????COP27????????????????????????
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????????46%??
????????????????????????????????????2030?2050????????????????????????
????????????????????ESG?SDGs????????????????????????????????COP27
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????2023?10????????2026????????????????????????????????????

2026????????????????????????????????2023????????????????????2023



1011????????????2025????????????????????
2026????????????????????

EV??ESG???

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202X?XX?XX?

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202X?XX??2050????????????2030??2013??47%????????CO2????

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CO2????PPA????????????

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2030??CO2??46%????6%????6??

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2022?11????27????COP27????CO2??

EU??2023?9????UCPD????CRD????2026????

2050????2030?47%????2030??2050
0????CO2????

SDGs????

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????CO2??

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

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

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?? ?? · Wednesday, March 6th, 2024



Dilok Klaisataporn/iStock

1. ????

2015?12??COP21?????2016?11?4????????????8????????????2020?10????????????2050????
????????????????2035????????????EV????????????

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2. ?????EV?

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fuel????????

????EV????????EU????????EV????

????EV????EV????2?6????2023?4????2023????43????
???EV????EBIT????47????EV???72,608????EV1????6
4,731????

2023????EV?10????750,789??F????????CFO??
????2????????EV????

Ford Lost \$4.7B On EVs Last Year, Or About \$65K For Every EV Sold – Climate Change Dispatch

EV????SNS????EV????TV????
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2019????CO2????EV????10????CO
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10????CO2????CO2????
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3. ?????????

2021?8????????????2030????????????????????????????????????LCOE?Levelized cost of electricity??

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電源	石炭火力	LNG 火力	原子力	石油火力	陸上風力	洋上風力	太陽光 (事業)	太陽光 (住宅)
発電コスト (¥/kWh)	13.6～ 22.4	10.7～ 14.3	11.7～	24.9～ 27.6	9.8～ 17.2	25.9	8.2～ 11.8	8.7～ 14.9
設備利用率稼働年数	70% 40 年	70% 40 年	70% 40 年	30% 40 年	25.4% 25 年	33.2% 25 年	17.2% 25 年	13.8% 25 年

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- 1. ?????????????????????????????????????
- 2. ?????????????????????????????????????
- 3. ?????????????????

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??BP??23????? ?Beyond
Petroleum??????2020?????50????????????????50GW????????????????40????????
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??????BP????????10??
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BP lost \$1b in wind power and just flipped from cutting oil by 40% to increasing it « JoNova (joannenova.com.au)

???BP????????11????????10??BP????????BP????????
????????????????2027????2?3????????40????BP????
????????2.6????????

4. ESG

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ESG????????



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?????ESG??

2?15????????????????????????????????????JP????????????3????????????????????????????
????????ESG??100+????????????

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Climate Action 100+

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

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?? ?? · Wednesday, March 6th, 2024



SimonSkafar/iStock

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(参考) 出力制御対策パッケージ (案)

2023年12月6日「第49回 系統
ワーキンググループ」資料を基に作成

- 出力制御の低減に向けた新たな対策パッケージでは、
 - － 需要面での対策により、出力制御時間帯の需要家の行動変容・再エネ利用を促しつつ、
 - － 供給面での対策により、再エネが優先的に活用される仕組みを措置するとともに、
 - － 系統増強等により、再エネ導入拡大・レジリエンス強化の環境を整備するなど、切れ目のない対策を講じる。
- その際、太陽光等の更なる導入拡大を見据え、中長期的な観点から、特に需要面の対策に重点を置き、家庭・産業それぞれの分野で予算措置と制度的措置を一体的に講じることにより、供給に合わせた需要の創出・シフトを図る。

【具体的な対策】

1. 需要面での対策

- ① 需要側のリソースの活用に向けた消費者の行動変容の促進（電気料金メニューの多様化等）
- ② 家庭用蓄電池・ヒートポンプ給湯機の導入を通じた需要の創出・シフト
- ③ 機器のDR Ready化（通信制御機器の設置）
- ④ 電炉等の電力多消費産業におけるDRの推進
- ⑤ 電力の供給構造の変化に合わせた電力多消費産業の立地誘導・需要構造の転換
- ⑥ 系統用：蓄電池、再エネ併設蓄電池、水電解装置の導入を通じた需要の創出・シフト
- ⑦ 事業者用：蓄電池の導入や、事業者所有設備への通信制御機器の設置の支援等

2. 供給面での対策

- ① 再エネ発電設備のオンライン化の更なる推進等
- ② 新設火力発電の最低出力引下げ(50%→30%) 等
- ③ 出力制御時の他エリアでの非調整電源の出力引下げ
- ④ 火力等発電設備の運用高度化
- ⑤ 水力発電を活用した出力制御量の抑制
- ⑥ 電力市場の需給状況に応じた再エネの供給を促すFIP制度の更なる活用促進

3. 系統増強等

- ① 連系線の運用見直し等による域外送電量の拡大
- ② 地域間連系線の更なる増強による域外送電量の拡大

4. 電力市場構造における対応（中長期的な検討課題）

- ◆ 価格メカニズムを通じた供給・需要の調整・誘導

33

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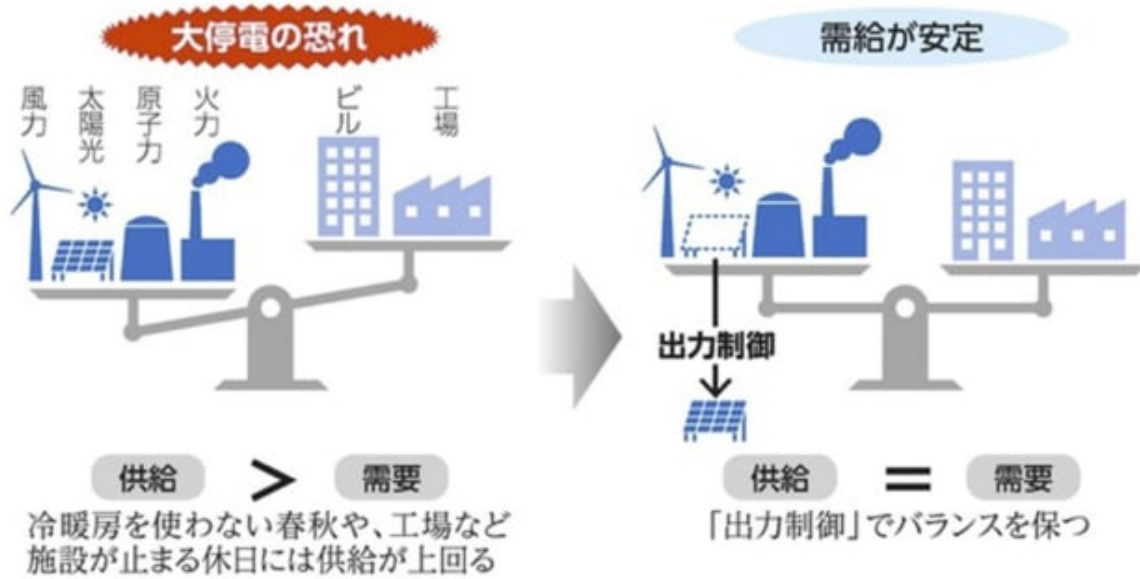
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電力は需要と供給のバランスが大切

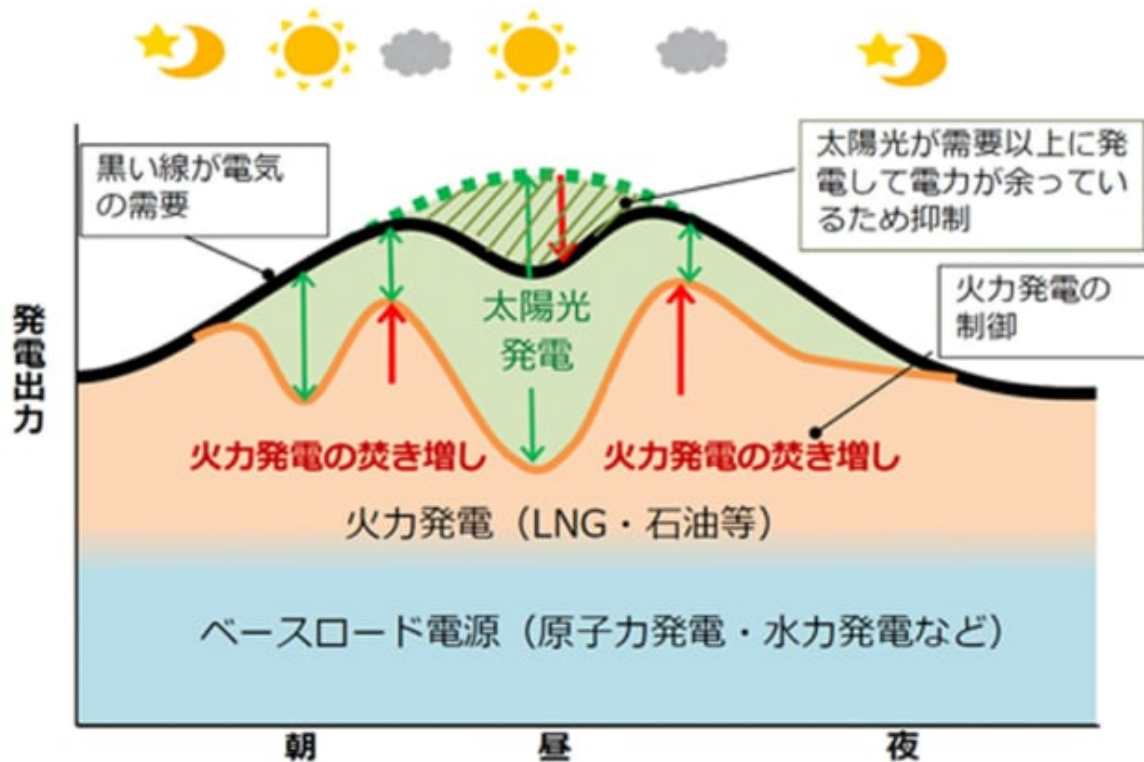


電力は需要と供給のバランスが大切

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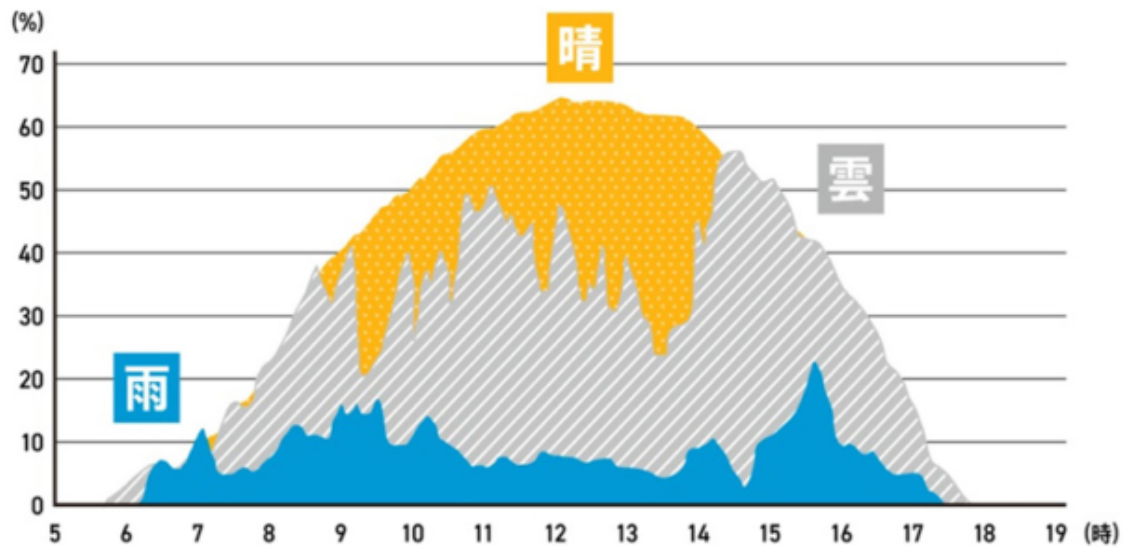


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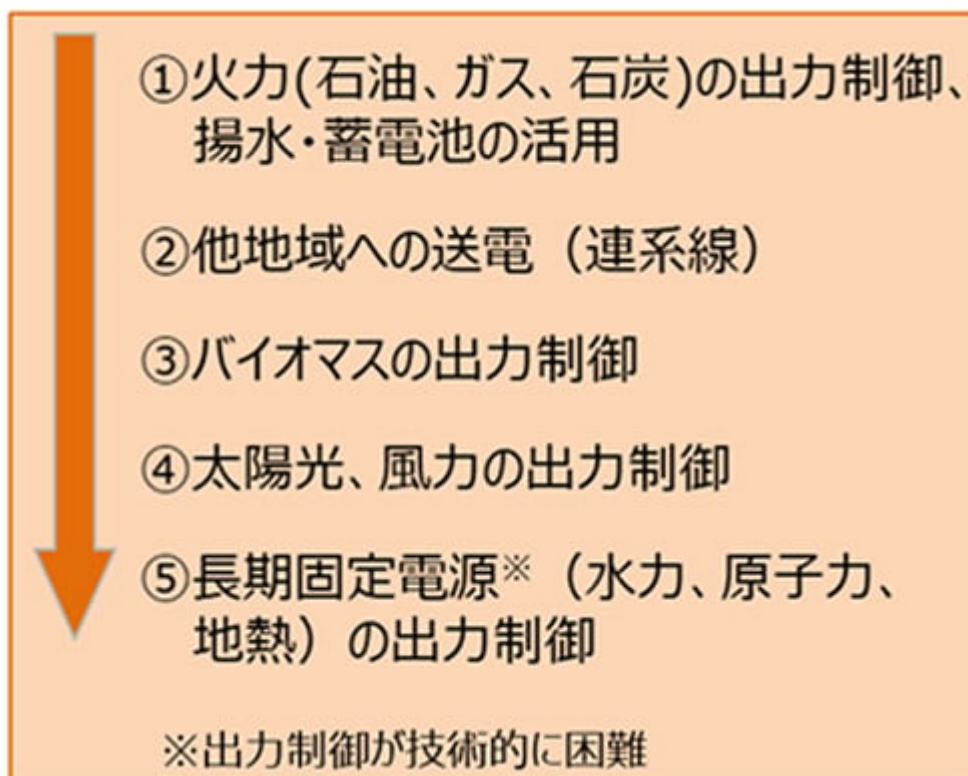
出力比 (発電出力/定格出力)



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?? ?? · Sunday, March 3rd, 2024



Butsaya/iStock

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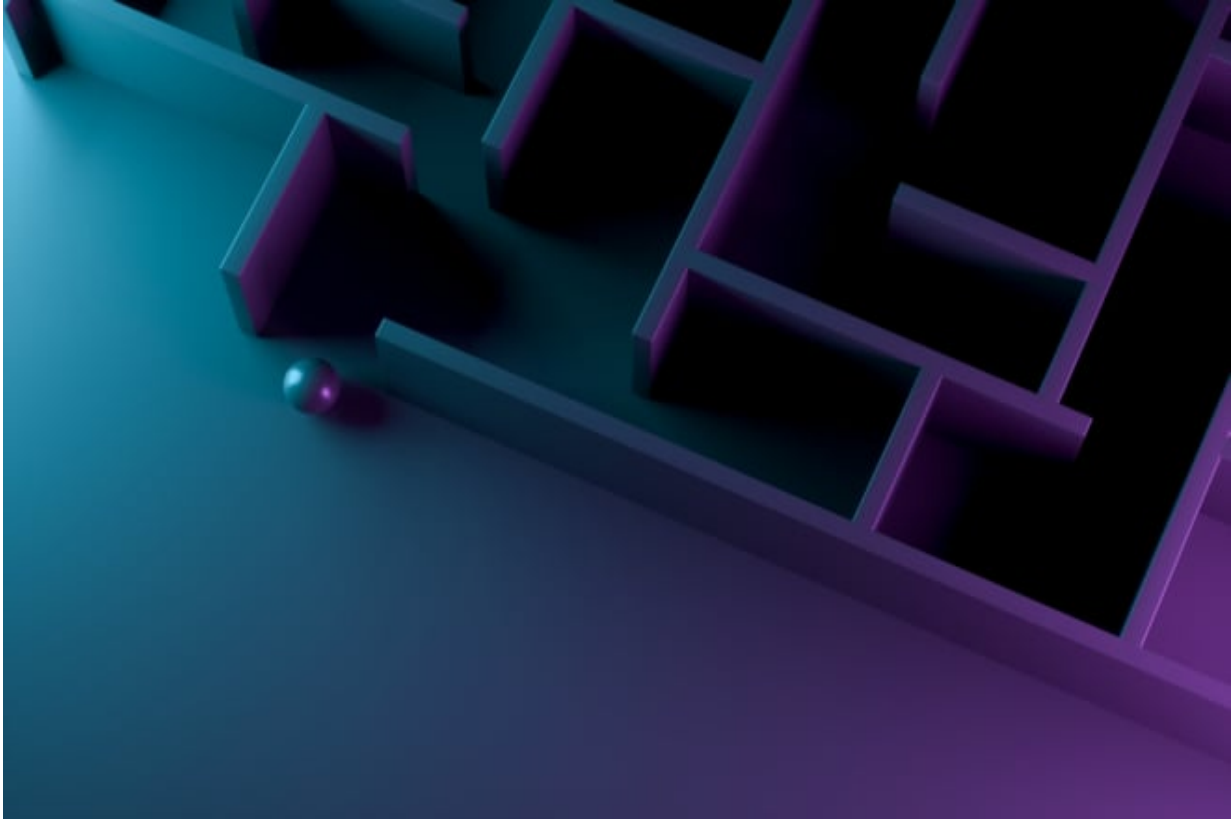
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Posted in ??????????, ?? | No Comments »

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

?? ? · Saturday, March 2nd, 2024



akinbostanci/iStock

COP28????????????????????1.5????????????????????????????????????1.5????2050
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The Death of the 1.5 Degree Climate Target????????1?8?????????????
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Posted in ??????????, ??, ???? | [No Comments »](#)

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?? ?? · 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

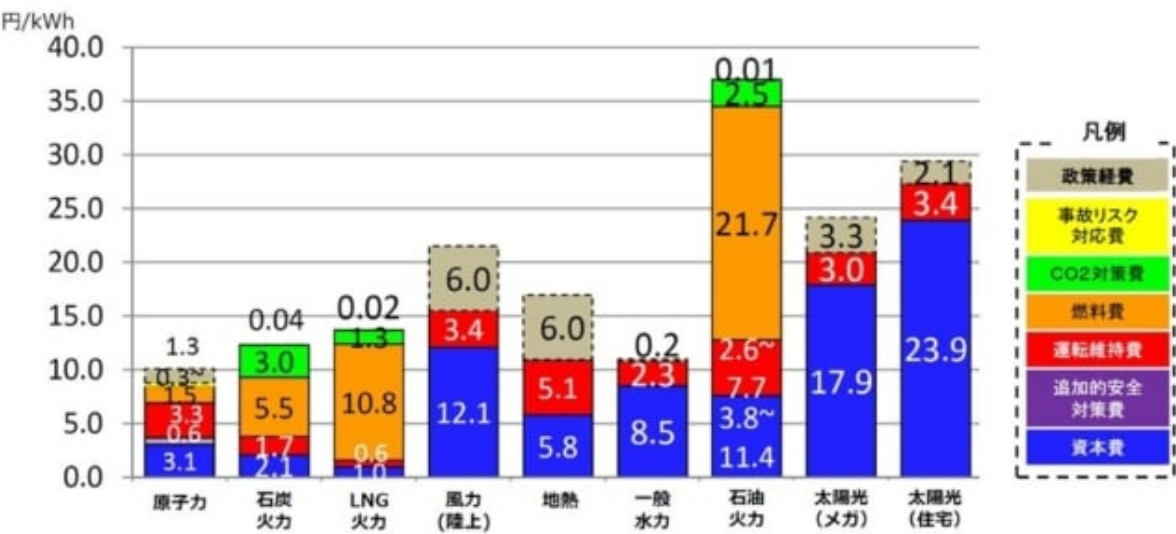
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- 2. ??5????????2????????B????????372????
- 3. ?A??B?4????????260kWh????????140????????611????
- 4. ?????????140????611????????

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??A????1????3????1,352????265????

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

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



Lari Bat/iStock

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[illegible]

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

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

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?? ?? · Tuesday, February 27th, 2024



XtockImages/iStock

[illegible][illegible]

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2024????????????????7????????????????6????????2021?10?????????
3E+S???????????????? CO2 ?????E?????????

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- 2. ?????????????????????50????????????
- 3. ?????????CO2????????
- 4. ?????????????
- 5. ???EV????????????????
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- 9. ?????????????
- 10. CO2????????????????
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Posted in ??????????, ??? | [No Comments »](#)

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?? ?? · Saturday, February 17th, 2024



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?? ?? · Monday, February 12th, 2024

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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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[illegible]

473

ESG

ESG

ESG?Environmental, Social, and Governance401K

ESG

ESG401K401K

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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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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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CO2

Voters

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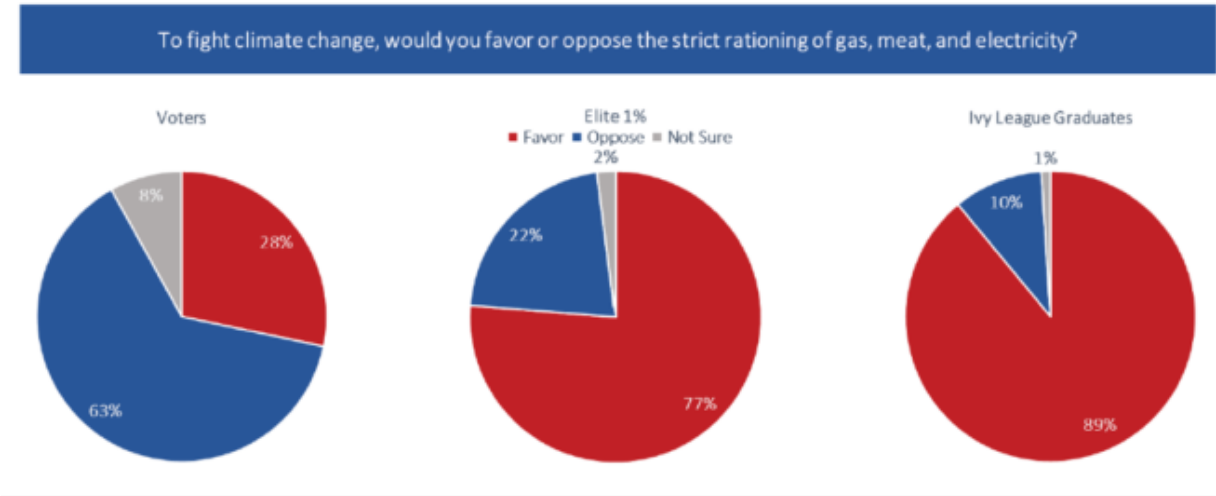
3

1

63%

77%

89%



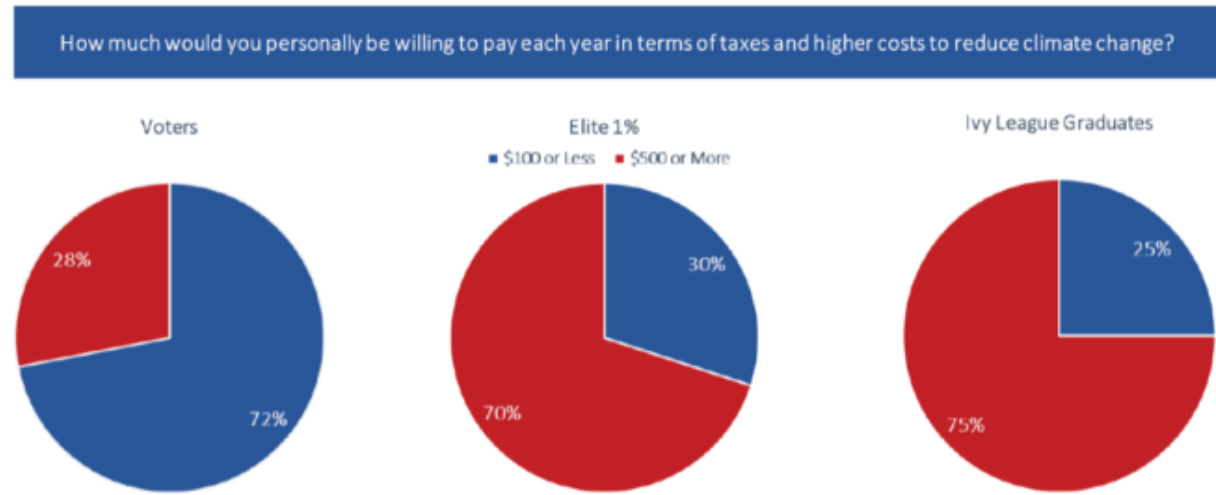
2

72

100

70

500



3

SUV

13

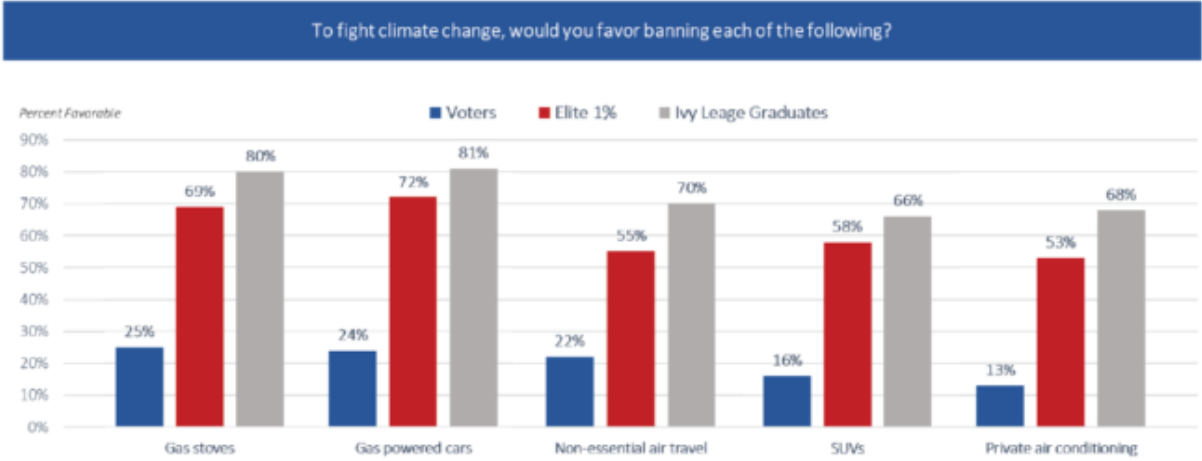
25

53

72

66

81



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

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

?? ?? · Monday, February 5th, 2024



Sakorn Sukkasemsakorn/iStock

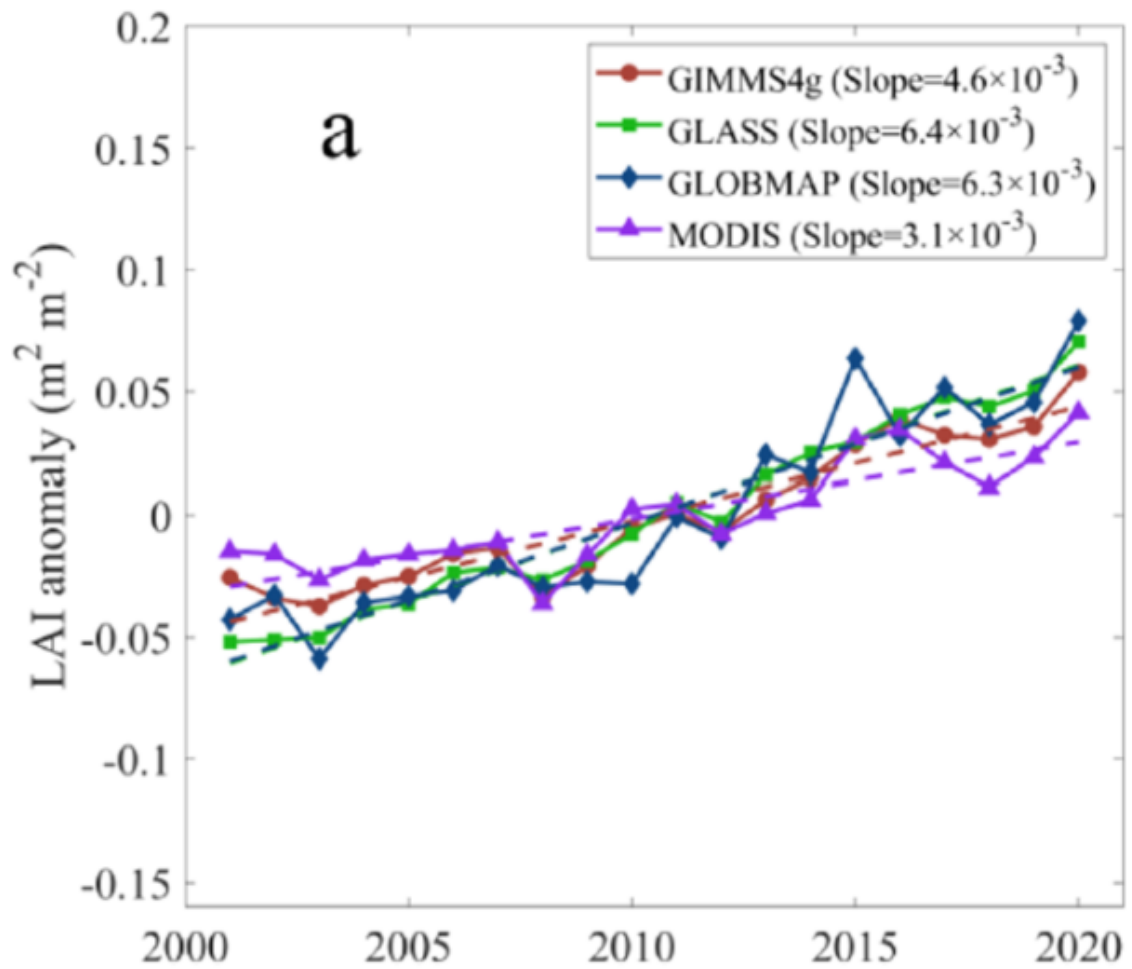
CO2????????????????????global
greening)????????????????????

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

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

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

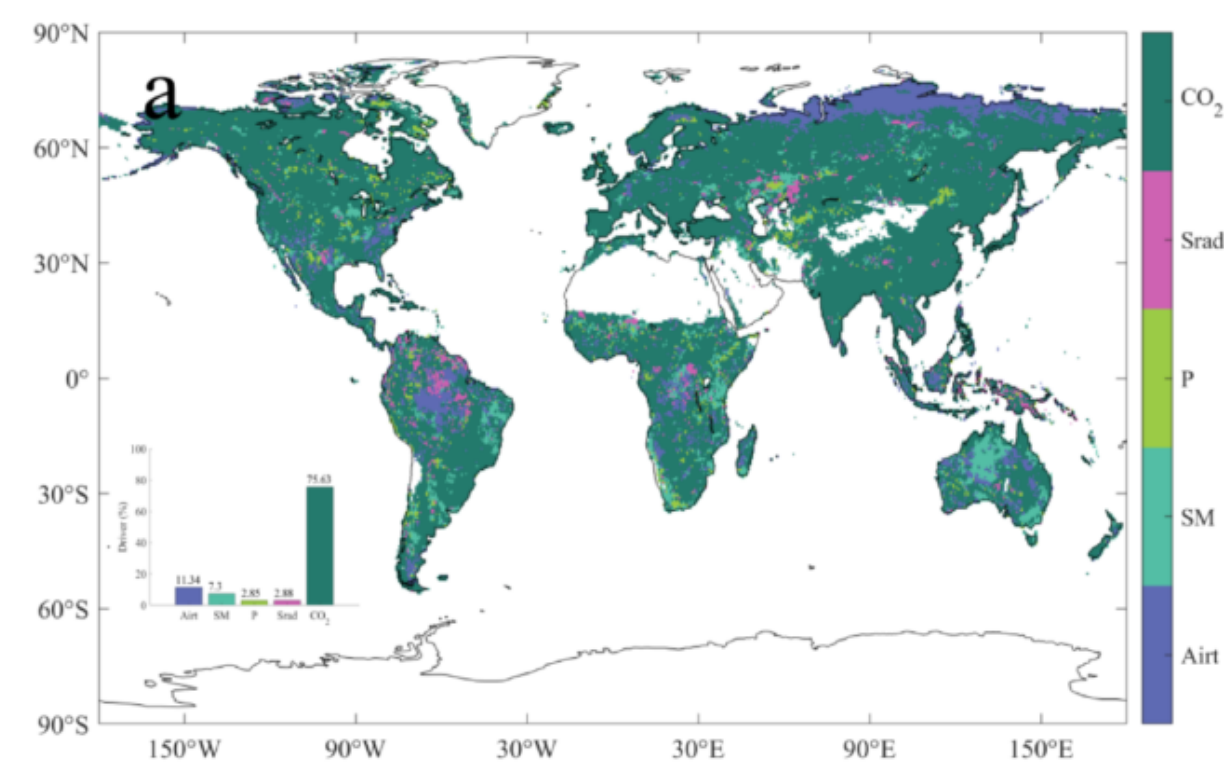


?1?LAI???

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

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

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

????ESG???

?? ?? · Sunday, February 4th, 2024



Adrian Los/iStock

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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

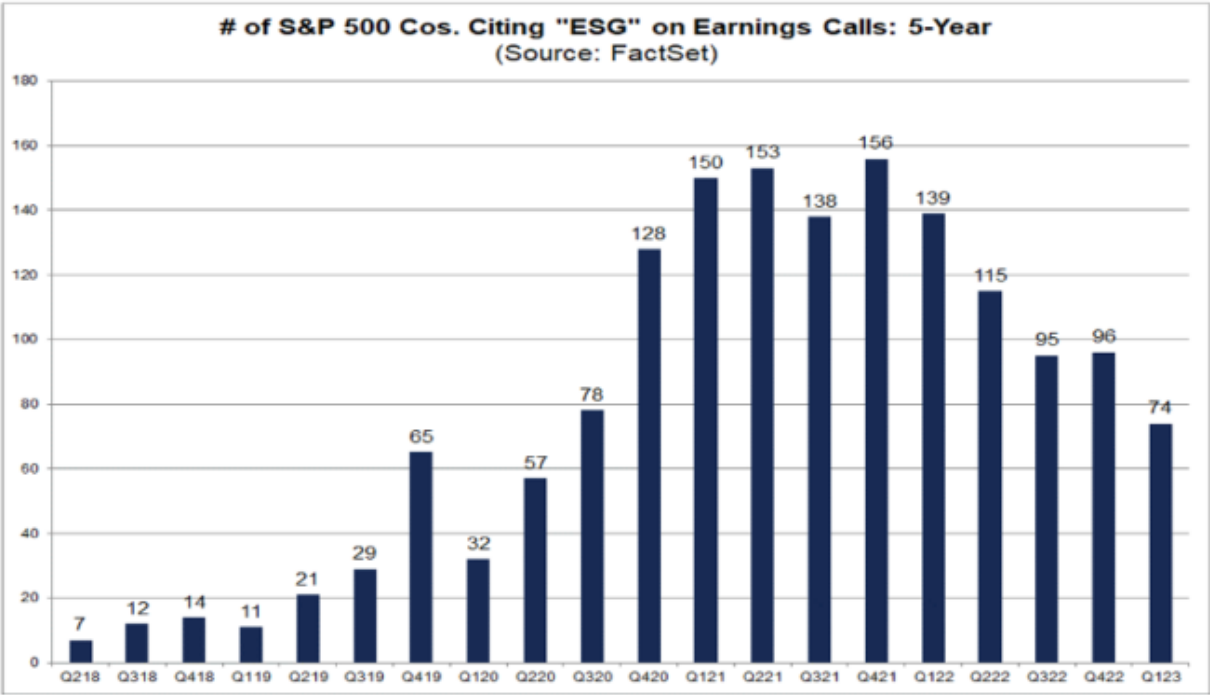


Source: Morningstar Manager Research

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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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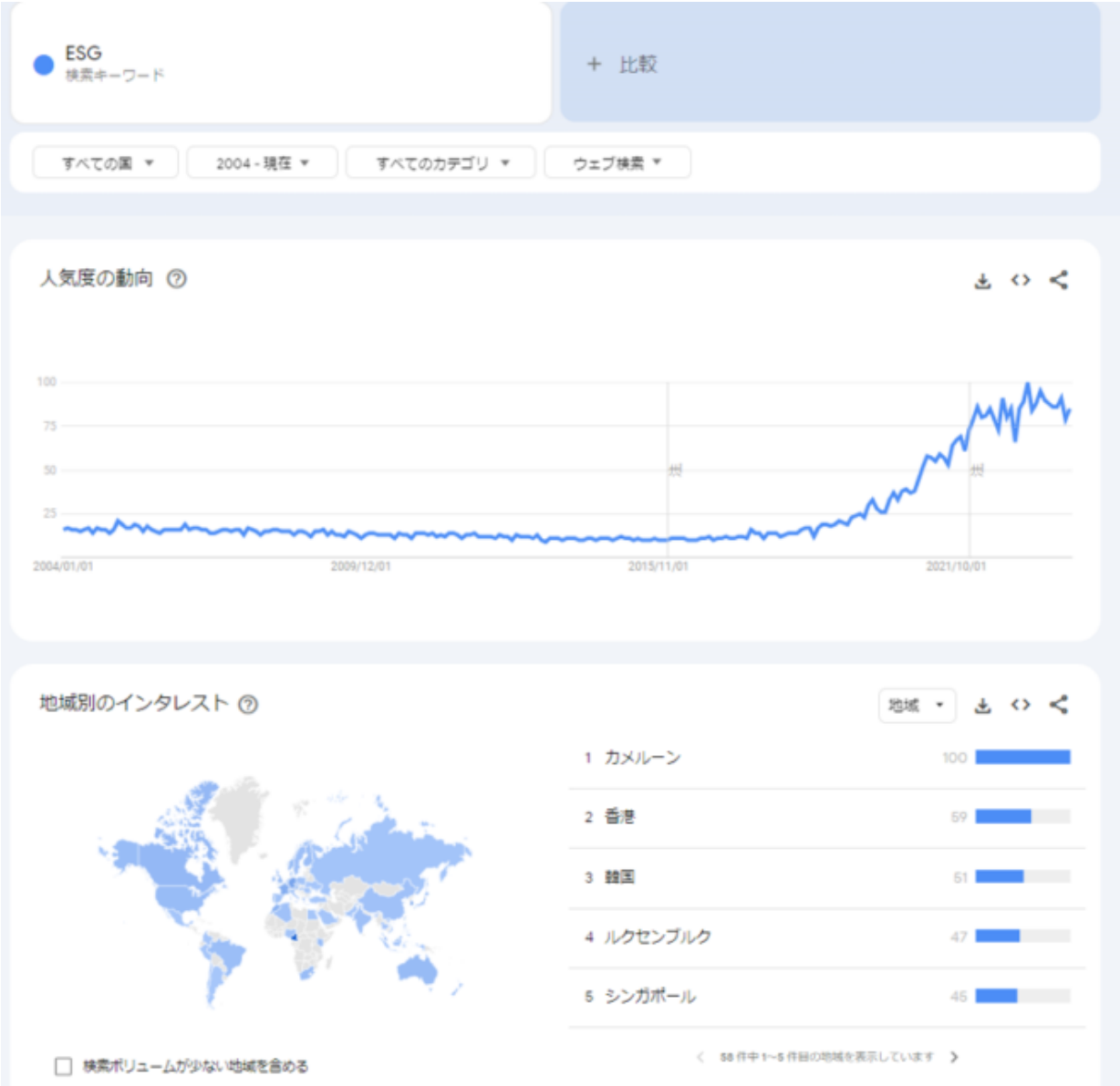
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GoogleSDGs202268ESG2023



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

ESG??ESG????????????????????????????????ES
G??ESG????????????????????

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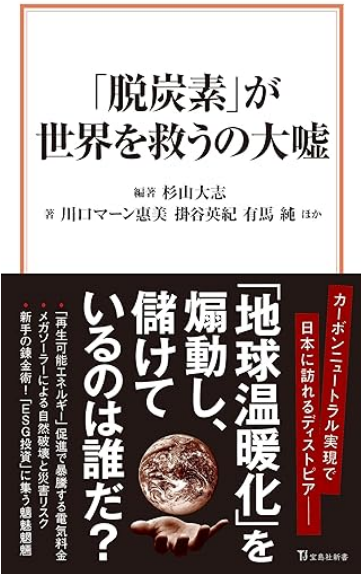
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Posted in ??????????, ???, ????? | No Comments »

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

?? ?? · Saturday, February 3rd, 2024



Evgeny Gromov/iStock

??12????????COP28??
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??“?????transitional
fuel?”??COP????????????????
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??“transition away from fossil
fuels”??
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?1?EurActiv, January 16, 2024

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

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



ollo/iStock

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??GDL????????????33?4000????????????????
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GDL????????555?25????????3000????????
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Posted in [??, ??](#) | [No Comments »](#)

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?? ?? · Wednesday, January 31st, 2024



Nathanx1/iStock

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- 2????????????????????1000????????

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 ?????????871???600???“?”????????????????846????????????????????

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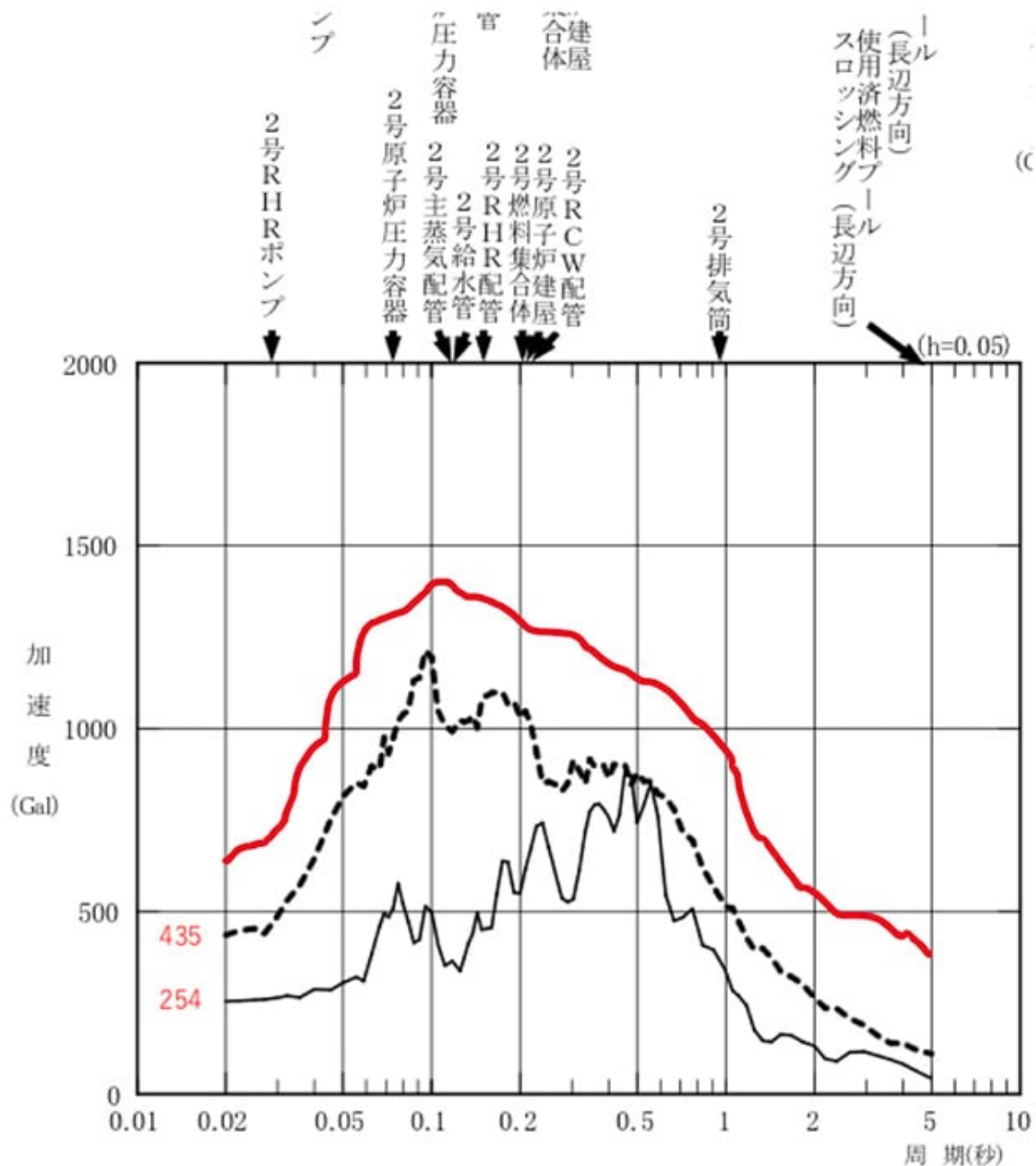
??F????????????G????????????????????G????????????
 ?????????1G980????????980??1G????????????????????????????????

[illegible]

?????2?“?”?????1000??

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?2?????1000?????????

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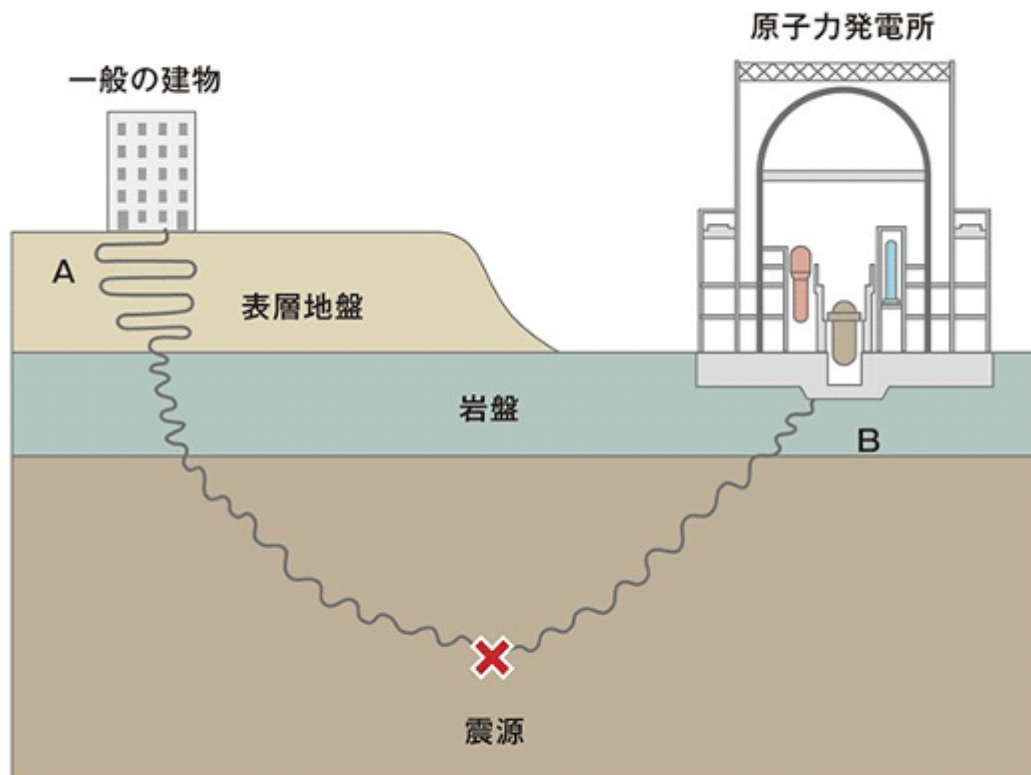
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 ??????600??1000????????????????——????????????????????????????

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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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