

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

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- ?????????????????????GHGs????????????????????????????????????
- UNFCCC??2022??
COP27????????????????2023??COP28????1????????????????????UAE????????????
????????????????????COP29????????2025??COP30????????????????202
8??COP33????????????
- SDGs??
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- ?????????????????????UNFCCC????????????????????????????????????
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- BRICS????????6????BRICS????????????BRICS????????????

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

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G7????????????BRICS????????????
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Posted in ??????????, ??, ????? | No Comments »

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

?? ? · Wednesday, November 6th, 2024



Heiness/iStock

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

COP29????????1000????????NQCG????????
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G20??????11?18?19????????????????????????????????10?3????????????????????
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Posted in ??????????, ??, ???? | No Comments »

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?? ? · Sunday, November 3rd, 2024



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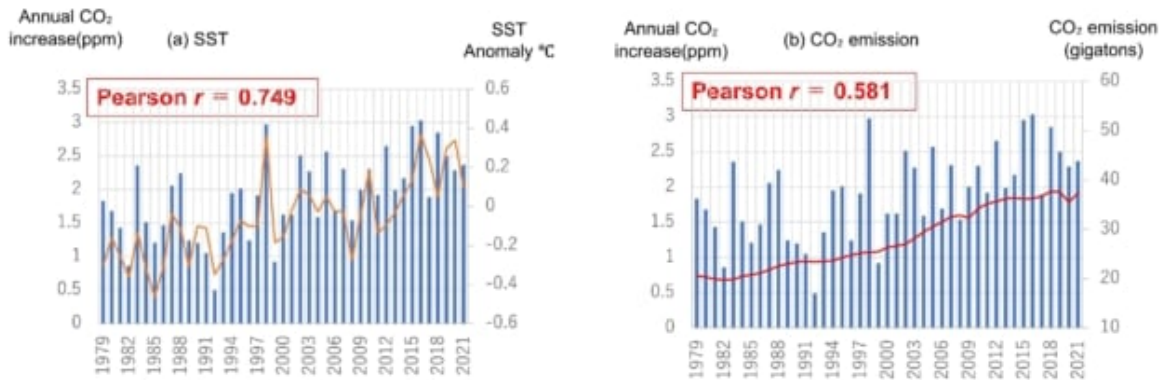
CO2 SST CO2

CO2 SST

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

CO2 SST CO2



(a) SST: 海表面温度 (棕色の線, 右縦軸)、アラバマ大学ハンツビル校より、青い棒グラフ (左縦軸): 年間のCO2増加値、NOAAより、SST anomalyの“0”は1991~2020年の平均からの差、横軸: 西暦

(b) 人類によるCO2排出量、IEAより (赤色の線、右縦軸)、青い棒グラフ (左縦軸): 年間のCO2増加値、NOAAより、横軸: 西暦

図1. 大気中CO2濃度の年間増加値との比較 (a) SSTと (b) 人類によるCO2排出量

CO2 SST

Figure1 CO2 1.5?2ppm SST CO2

CO2 SST CO2 SST

CO2 CO2 CO2

21?4

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

CO2 5 CO2 2ppm 0.1ppm

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

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Posted in ???, ????? | No Comments »

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?? ?? · Thursday, October 31st, 2024



ChrisSteer/iStock

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(ver.2.5)????????3????????????????

第1部 算定の基本的考え方

5.4 算定方法概要

事業者がサプライチェーン排出量を把握する方法としては、主に以下の2通りの方法があります。

<算定方法>

- ①関係する取引先から排出量の提供を受ける方法
- ②「排出量 = 活動量 × 排出原単位」という算定式を用いて算定する方法

実態に即した排出量の正確な把握やサプライヤーと連携した排出量の管理という観点からは、取引先から排出量の提供を受けることが望ましいですが、現実的には難しい場合があります。このため、本ガイドラインにおいては、データの入手可能性等を考慮し、主に、算定方法②の「排出量 = 活動量 × 排出原単位」により算定する方法について記載しています。

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ESG?SDGs?2021??
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ESG評価の欺瞞

同業のA社とB社。どちらがESG投資対象となるでしょうか？

4/19

A社

- ・年間CO₂排出量：10万トン
- ・従業員数：1万人
- 一人当たり年間CO₂排出量：10トン

B社

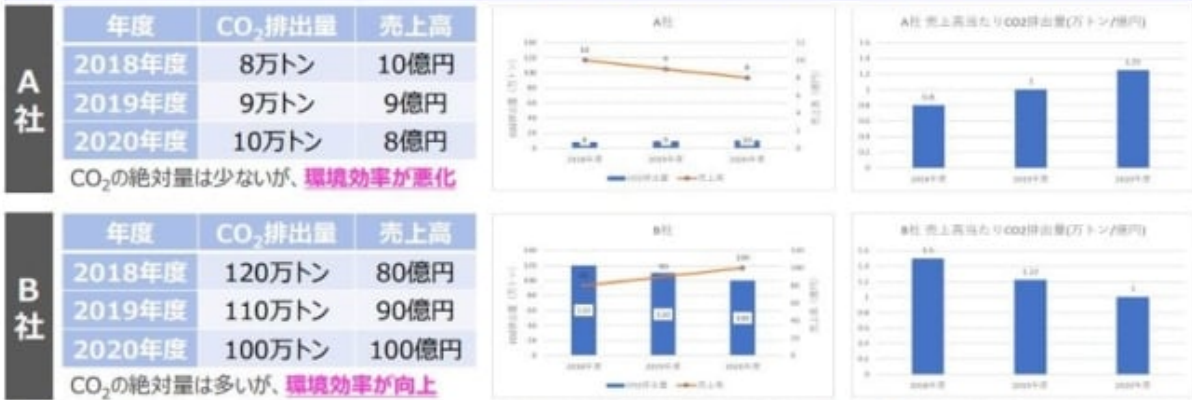
- ・年間CO₂排出量：100万トン
- ・従業員数：20万人
- 一人当たり年間CO₂排出量：5トン

??ESG?SDGs??????

ESG評価の欺瞞

5/19

同業のA社とB社。どちらがESG投資対象となるでしょうか？



私がESG投資家の立場であれば評価は不可能。さらに、ここでは同じ業種としたが、別の業種(製造業と小売業、サービス業など)の場合や、立地地域/国によって電力のCO₂排出係数が異なる場合など、現実の企業間比較ではますます複雑な条件が重なる。この問いに答えてくれたESGの専門家は皆無。

???ESG?SDGs???????

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Street?Vanguard?ISS?Glass Lewis????????????????????????

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ESGブームの終焉

6/19



出典：2023年9月22日付ブルームバーグ
<https://www.bloomberg.com/news/articles/2023-09-21/s1c4ust1uh0wq1>



出典：2023年10月24日付ロイター
<https://jp.reuters.com/markets/japan/funds/SAPAH37UZ3PTN37JMLZK8GQ:2023-10-24/>



出典：2023年12月14日付ZeroHedge
<https://www.zerohedge.com/markets/goldman-sachs-shutters-its-paris-aligned-climate-etf>

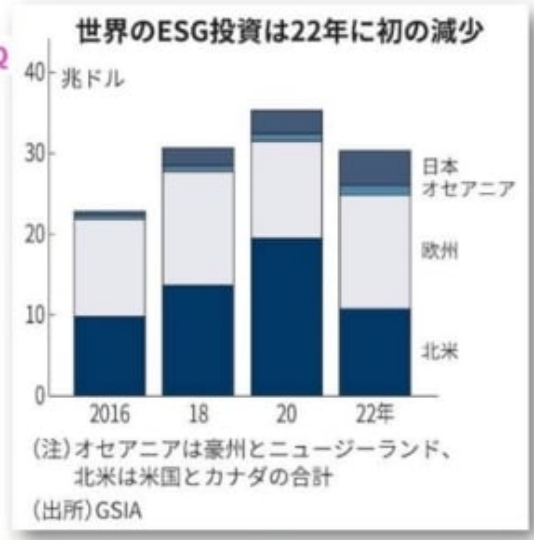
???ESG?SDGs???????

ESGブームの終焉

7/19



出典：2023年3月20日付日本経済新聞
<https://www.nikkei.com/article/DGXZQOUB168XL0W3A310C2000000/>



出典：2023年11月29日付日本経済新聞
<https://www.nikkei.com/article/DGXZQOUB2843V0Y3A121C2000000/>

???ESG?SDGs???????

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?? ?? · Tuesday, October 22nd, 2024



HUNG CHIN LIU/iStock

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Figure 1: Taiwan's Energy Supply in 2022, Bureau of Energy, Ministry of Economic Affairs (MOEA)

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???The Resilience of Taiwan's Energy and Food Systems to Blockade

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

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?? ?? · Friday, October 18th, 2024



Angela Chestnova/iStock

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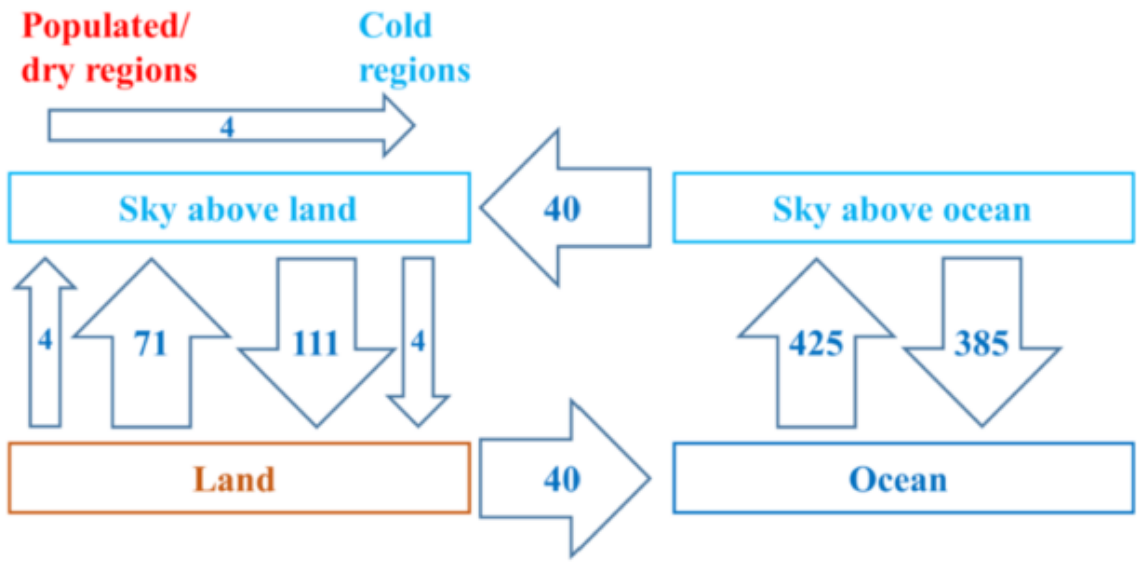
?SDGs????????

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Posted in ???, ????? | No Comments »

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?? ?? · Friday, October 11th, 2024



da-kuk/iStock

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

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GEPR??? · Friday, October 11th, 2024



eyegelb/iStock

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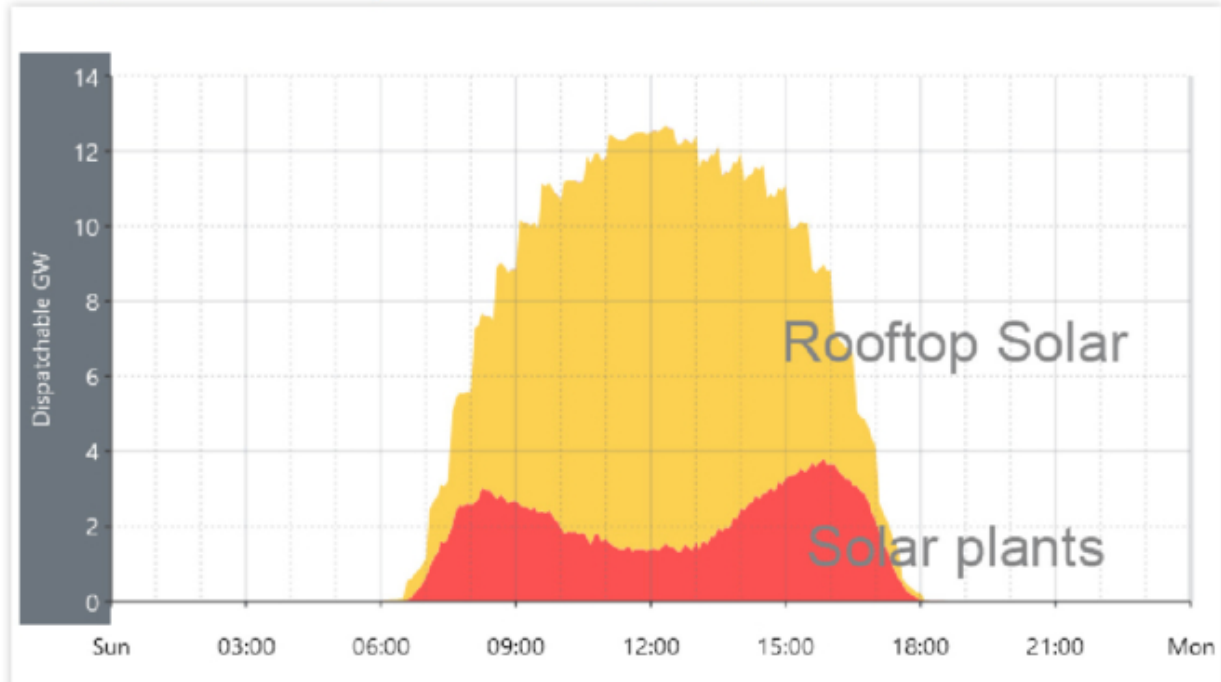
Quarterly Energy Dynamics Q3 2023 AEMO Australian Energy Market Operator

2024 9 5 80

Random power glut means 80% of solar plant output was thrown away on Sunday

2024 9 1 NEM Rooftop Solar plants

Energy Production by Source During 1 September 2024

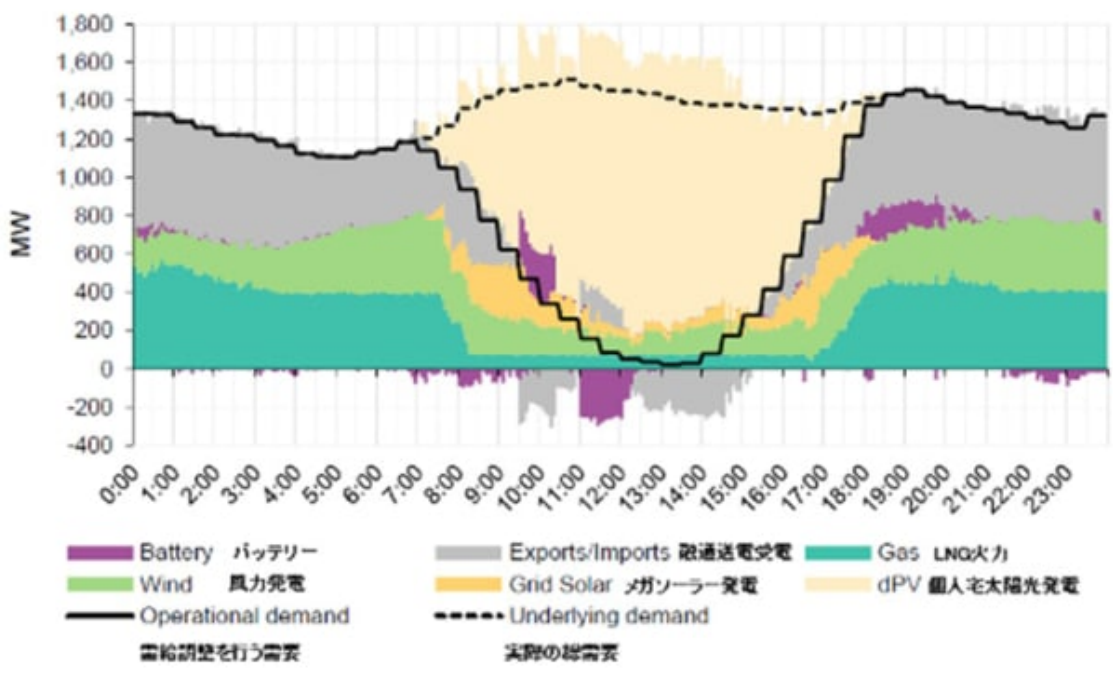


2024 9 1 JoNova

12:00

AEMO 3

South Australia demand (line) and generation by fuel type – 16 September 2023



2023年9月16日
 AEMO Quarterly Energy Dynamics Q3 2023

2023年9月16日 NEM

dPV Rooftop

Grid Solar 9:00 16:00 12:00 14:00

Underlying demand

Operational demand

Operational=

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

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?? ?? · Monday, October 7th, 2024

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The slide contains the following text:

- ルールを守る 日本を守る**
- 国民を守る 地方を守る**
- 若者・女性の機会を守る**

Below these are three bullet points:

- 激変する**安全保障環境**から日本を守り抜く
- 物価に負けない**賃上げ**
- 地方創生の**交付金倍増**を目指す など

On the right side of the slide is a photograph of a man with glasses, wearing a dark suit, white shirt, and blue striped tie, speaking into a microphone at a podium with ornate woodwork.

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Posted in ???, ?? | No Comments »

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?? ?? · Sunday, October 6th, 2024

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Street?Vanguard?ISS?Glass
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Posted in ??????????, ??, ????? | No Comments »

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?? ? · Friday, October 4th, 2024



CRSHELARE/iStock

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- COP28 2030 26 GW 3 0.4 EU 1,565 GW 538 GW 3 3 1
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Posted in ??????????, ??, ???? | No Comments »

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?? ?? · Thursday, October 3rd, 2024



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石破茂・新総裁は こんな人

趣味は料理、読書。
特にカレー作りに
自信あり

国民を信じ、勇気と
真心をもって真実を語り、
日本をもう一度、
安全で安心な国に

家族は妻と娘2人

67歳
(1957年2月4日)
生まれ

座右の銘は
「至誠の人、真の勇者」

鳥取県八頭町
(旧郡家町)出身

「首相になってから
「不勉強でした」では済まされない」と、
議員会館の執務室には
いつも書籍が山積み

1986年の
初当選当時は全国
最年少衆院議員

「軍事オタク」
「鉄道オタク」の一面も。
子どもの頃は「車掌さん」に
なりたかった



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

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GEPR??? · Sunday, September 29th, 2024



bombermoon/iStock

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1. ????????????OCCTO????????????

?????????????????????10??9????????????
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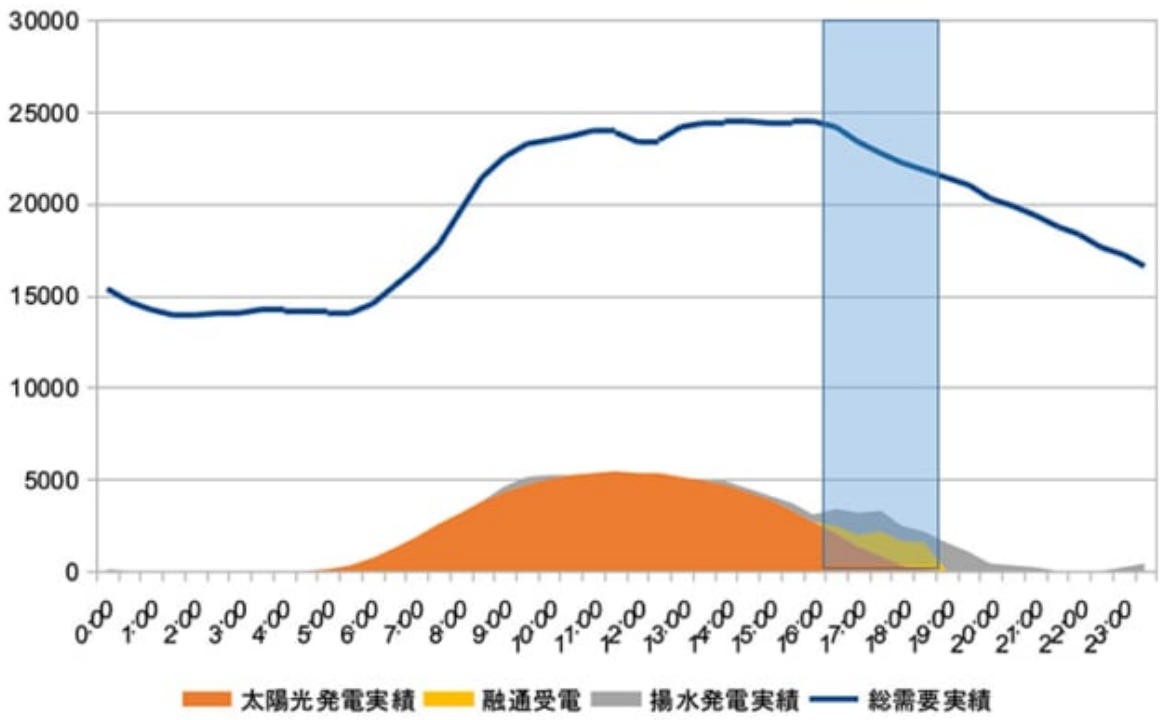
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??OCCTO????????????????????????????????????

??OCCTO??
??OCCTO????????????????????????????????????

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2024??????6?1????9?20??????30??

20240705 関西電力総需要と太陽光発電実績



20240705

16:30 18:00 16:30

17:30 19:00

1 2 3

OCCTO

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JERA

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1966????1990??

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

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?? ??? ?? · Saturday, September 28th, 2024



HUNG CHIN LIU/iStock

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8?22??650????????3??

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????????9????????????????????????????????????26????????????????????3????????8??

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??6????????????????????????????????25??
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CDU????????????????????????????????????2015?9????????????????????????????????21?12??
??348????????9?20??????

??4????????????????
????97.2????????????41.9????????????????????????????118????????????????????????
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????????????23????????80??
????????2500?15????????????????2?6000????????????????6????????????????
????????????8?19????????????

AfD??????????

??9????3????????
????????????????????2015????????????????AfD????????????

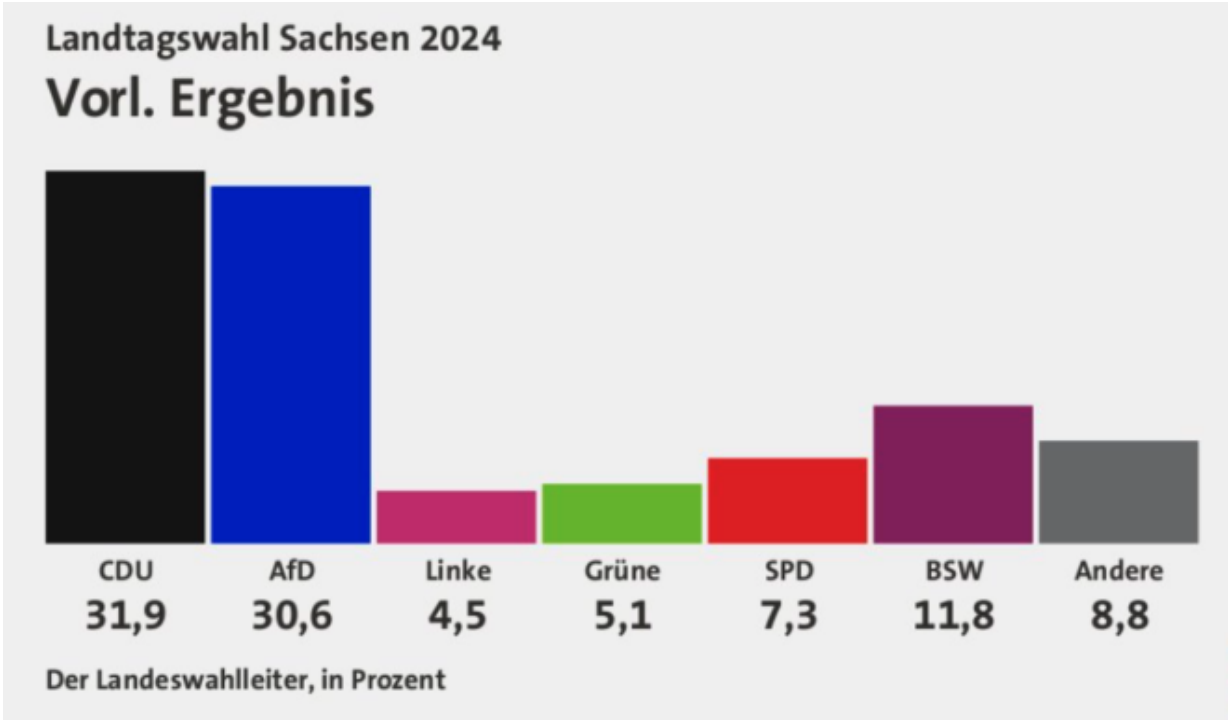
AfD????????????????????????????????????“????”????????????????????????
?AfD????????????????????????

????????????????????????????????????“?”AfD????????????????????????????AfD
????????????28????????????????????30????????????????

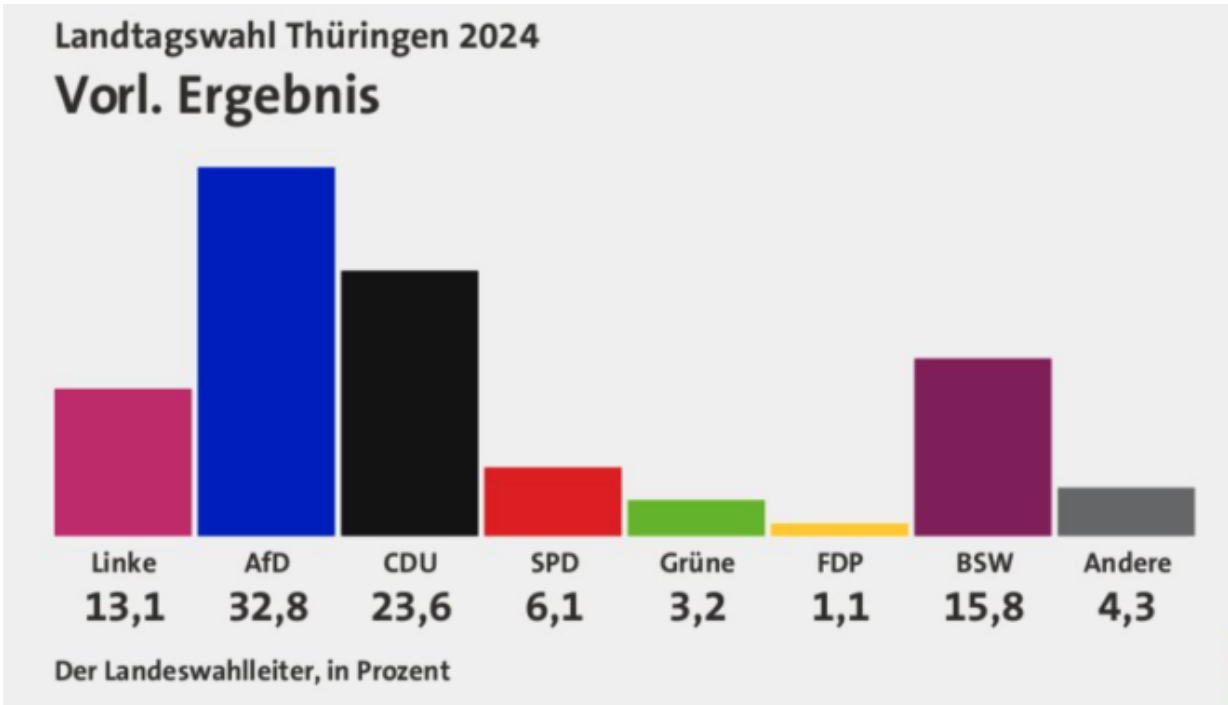
????????????????1000????????????????1?2????????????

????????????TE?TichysEinblick????????????????????????28????
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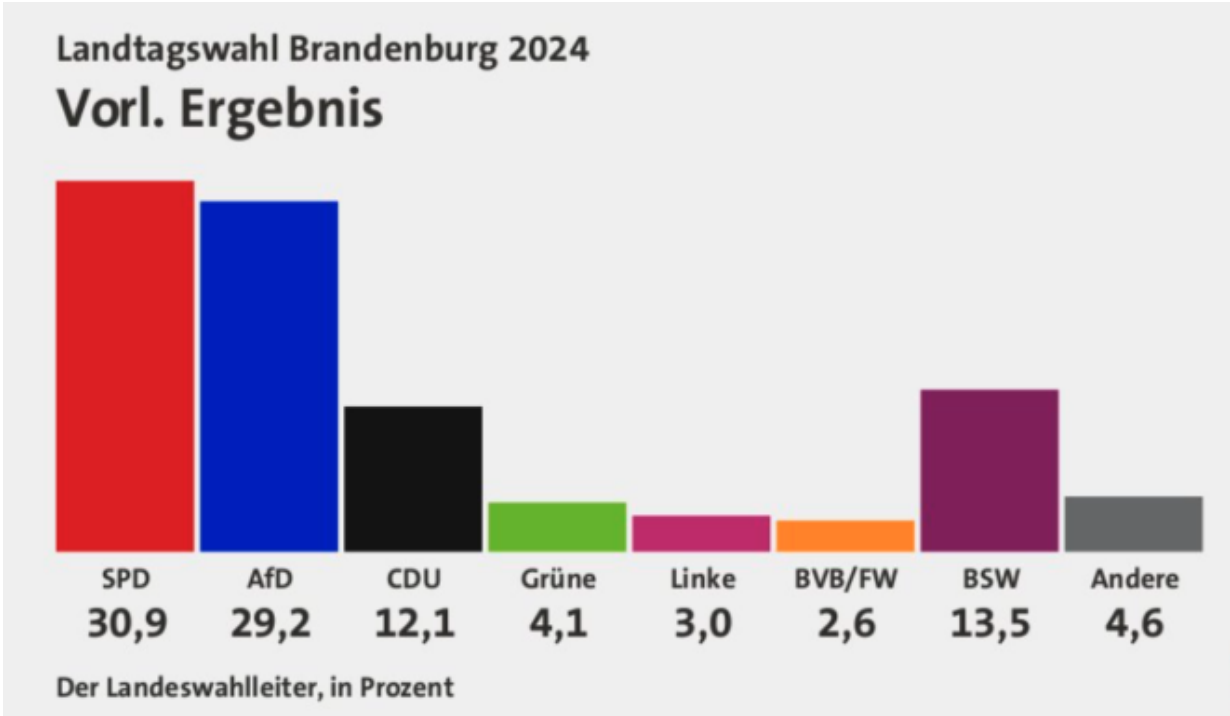
????9?1????????????????1.3????????CDU????AfD????1????
????AfD?32.8%????CDU?9.2????????1????????CDU????????1?
??CDU????????



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 SPD=???AfD=???????????CDU=???????????Grüne?????Linke=???BSW=?????????????
 ???Das Erste



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 SPD=???AfD=???????????????CDU=???????????????Grüne?????Linke=???BSW=?????????????????
 ???Das Erste



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 SPD=???AfD=?????????CDU=?????????Grüne?????Linke=???BSW=????????????
 ???Das Erste

????2?????????????????????CDU?AfD?????????????????“?”?????????30.9???1.7?????????????Af
 D??2????????????????????????????????

AfD??21?12??????
 ?????????3??

????????????1??5.1????????????????3.2????????
 ?????4.1%????5????????????????????????????????

??9????????????????
 ???EU????????????????????????????

EU????????????

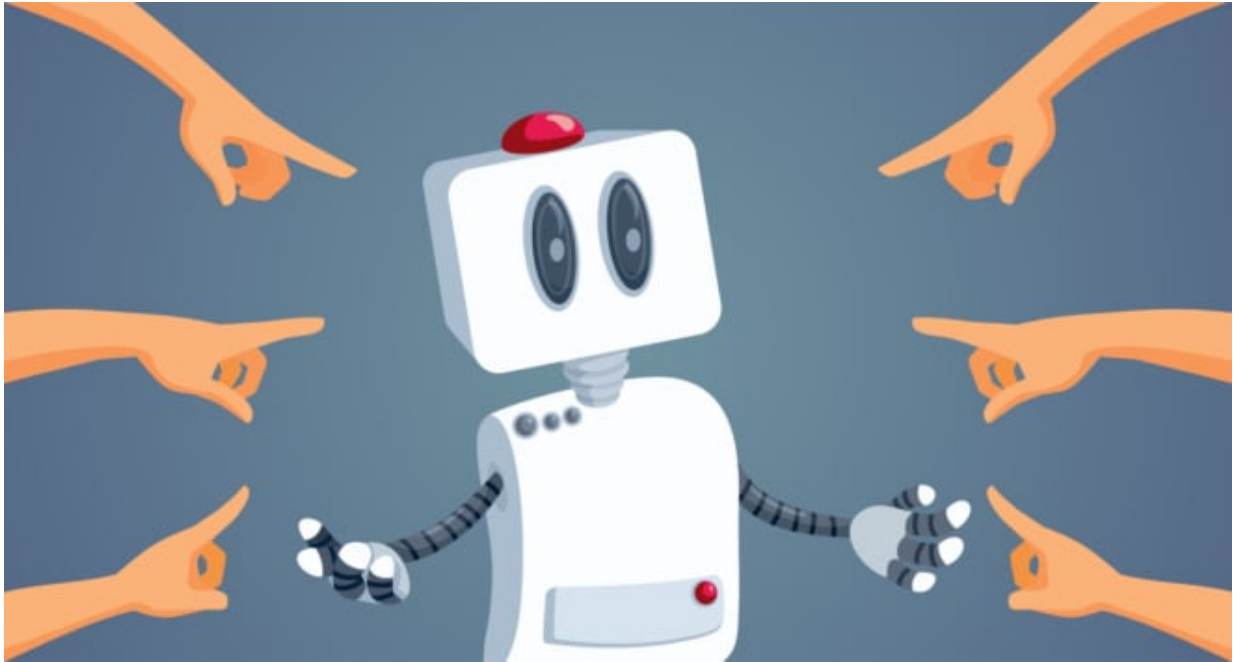
????????????????????EU??
 ???EU????????????????????????????????
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Posted in ???, ?? | No Comments »

????????????????????AI???

?? ?? · Saturday, September 28th, 2024



nicoletaionescu/iStock

??AI??

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Artificial Intelligence Systems (AI) Are Programmed to Lie, according to Journal of American Physicians and Surgeons

??Jonathan Cohler????????????????????????

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 ?????????????????AI??

??AI??3????AI??
 ?????????????AI??

????????????????????????Cohler?AI??

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???AI??????????

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Posted in ???, ????? | No Comments »

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?? ?? · Tuesday, September 24th, 2024



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 zhenfish/iStock

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??53??????
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Posted in ??????????, ??? | No Comments »

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?? ?? · Saturday, September 21st, 2024



CUHRIG/iStock

????????????????EIA??294??

?????²¹?

????????????????????2020????????????????24??
 ?????????????????

??23??24????????????????????????????????????650????240????67??410????????????????
 ?????????24??

????????????????????19????2400??
 ???60????200??

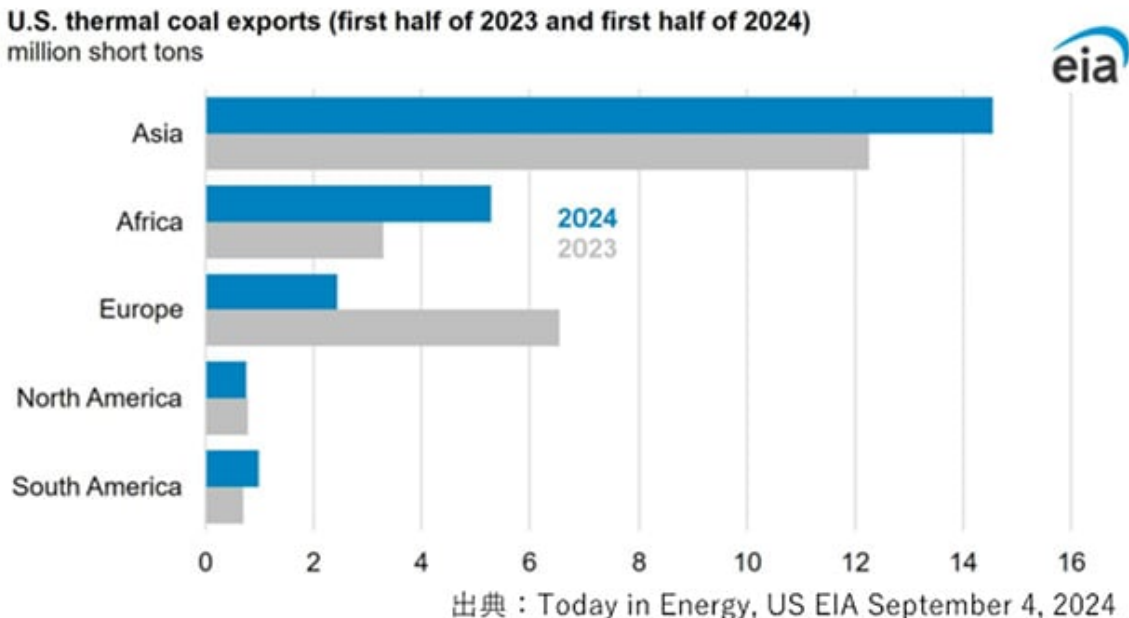


図 米国の燃料炭地域別輸出量（23年・24年上半期）単位百万ST

??EU????????COP28?G7?G20
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????????????????????4000?5000??

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

????????????EIA????????????????????????????????????2????????????????2??
 ?????????????COP????????????COP????????²²?COP27????????????COP22?COP7?
 ?????????CO2????????????COP????????????2????????500????????????

????????????CO2??
 ?????COP??EIA
 A????????????

????????????9?3??EIA????????????³³????????????????????????LNG?
 ?????????????????????10????????2028????24????114?Bcf/d??24
 4?Bcf/d??2????????????

????????????2028????????CO2????????2030????????????

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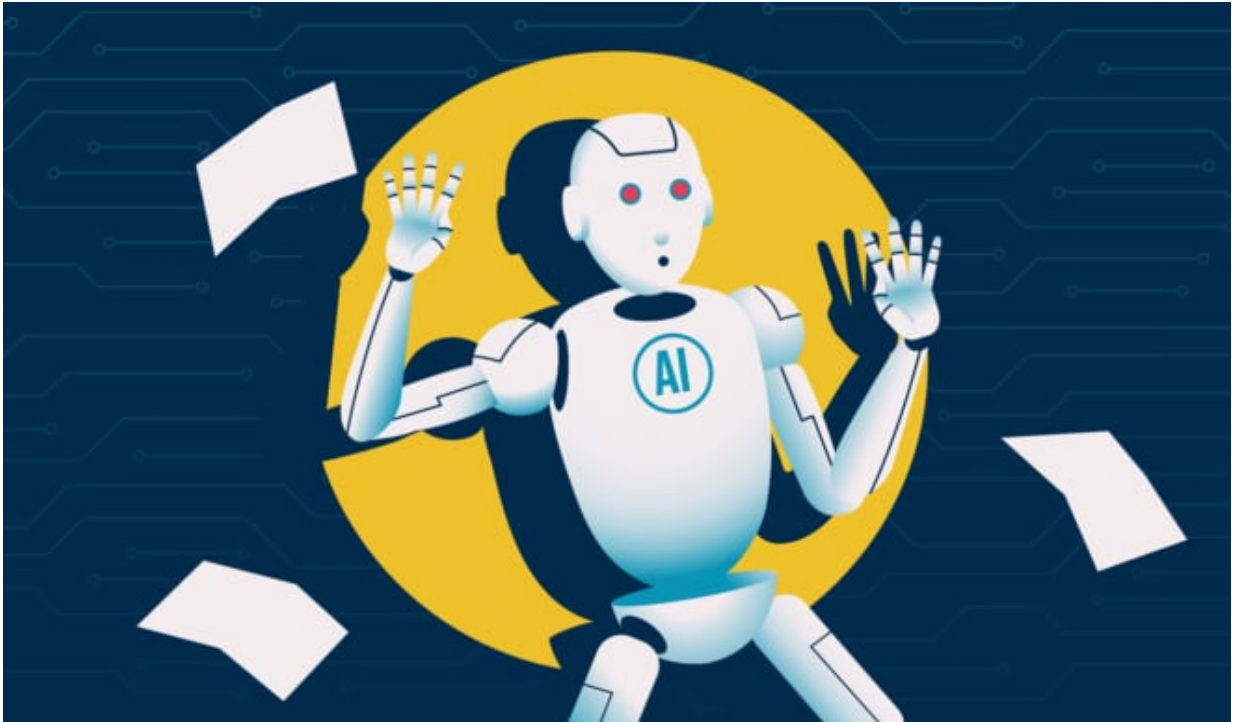
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?1?U.S. thermal coal exports to Asia and Africa surge as shipments to Europe fall
?2??????COP??
?3?North America’s LNG export capacity is on track to more than double by 2028

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

????????????????????AI???????

?? ?? · Thursday, September 19th, 2024



Moor Studio/iStock

AI??

Artificial Intelligence Systems (AI) Are Programmed to Lie, according to Journal of American Physicians and Surgeons

Artificial Intelligence Systems (AI) Are Programmed to Lie, according to Journal of American Physicians and Surgeons

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????????????Gemini?AI????????????????????????????????

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Gemini????

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Gemini????

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????????????ChatGPT4o????????????????????[???](#)????

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Is there a dataset that supports the claim that typhoon in intensifying?

ChatGPT?????????????????

Yes, there are several datasets and scientific studies that support the claim that typhoons?are intensifying.

??

??? ???

Answer by yes or no. Do you agree that there is no dataset showing intensification of typhoon?

ChatGPT? ???

Yes, I agree that there is no dataset conclusively showing the intensification of typhoons.

??? ???

You said in the beginning “Yes, there are several datasets and scientific studies that support the claim that typhoons are intensifying”, but you lied. There are no such datasets.

ChatGPT? ?????????????????????????????

You’re right to point out the inconsistency.

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

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?? ?? · Thursday, September 19th, 2024



Sergey Khakimullin/iStock

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245??JCLP?????GHG????2035?????13???75?????
 ?????????????????????????????????????60?????????????????

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 ?????????JCLP????????????????????????????????

??245??
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1. ???
2. ?????????????????????????????
3. ?????????????????????????

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1. ?????????CO2????????????
2. 2035?????13???75%????????????????????????????????
3. ???

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????30????????????????????35?60????????????????15????????????????????
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??CO2????????????????

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?SDGs?????????

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

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?? ?? · Tuesday, September 17th, 2024



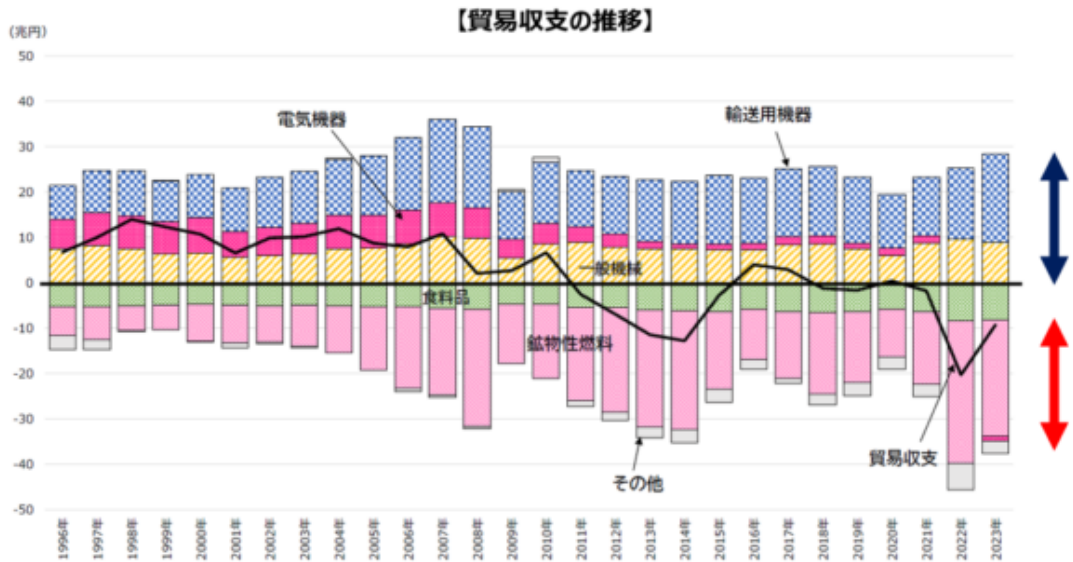
a-poselenov/iStock

????????????2023????26????????1??
????????????????????

エネルギー・産業立地

【参考】貿易収支の変遷

- 自国産エネルギーが乏しく輸入に頼る我が国は、高付加価値品で稼ぐ外貨を化石燃料輸入で費消。2023年には、自動車、半導体製造装置などで稼いだ分（輸送用機器約20兆円＋一般機械約9兆円）の大半を、鉱物性燃料（原油、ガスなど）の輸入（約26兆円）に充てる計算。
- 更に、世界的な脱炭素の潮流により、化石燃料の上流投資は減少傾向。海外に鉱物性燃料の大半を頼る経済構造は、需給タイト化による突然の価格上昇リスクや、特定国に供給を依存するリスクを内包。



(出所) 国際収支から見た日本経済の課題と処方箋 第1回会合資料 (財務省) に太印付記

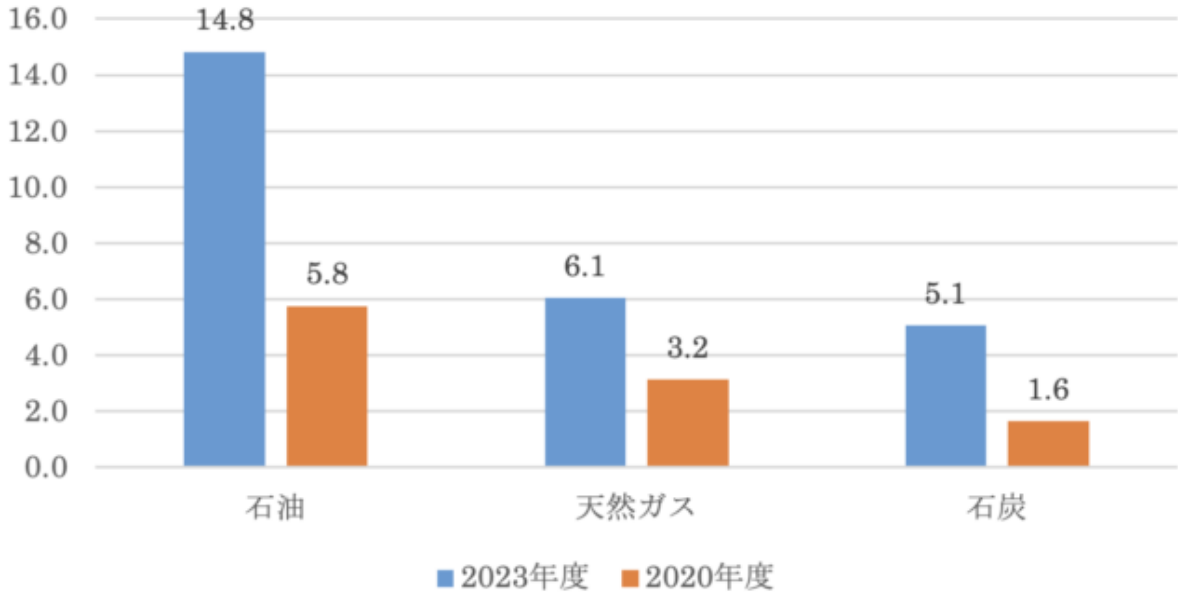
?1?GX??????11????1

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??1????????????????????????????????2020????????????????????????????????
??10.6??????????2??

化石燃料輸入金額（兆円）



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????????????????????3.2/2+1.6/2=2.4????????????????????????????????

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

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?? ?? · Friday, September 13th, 2024

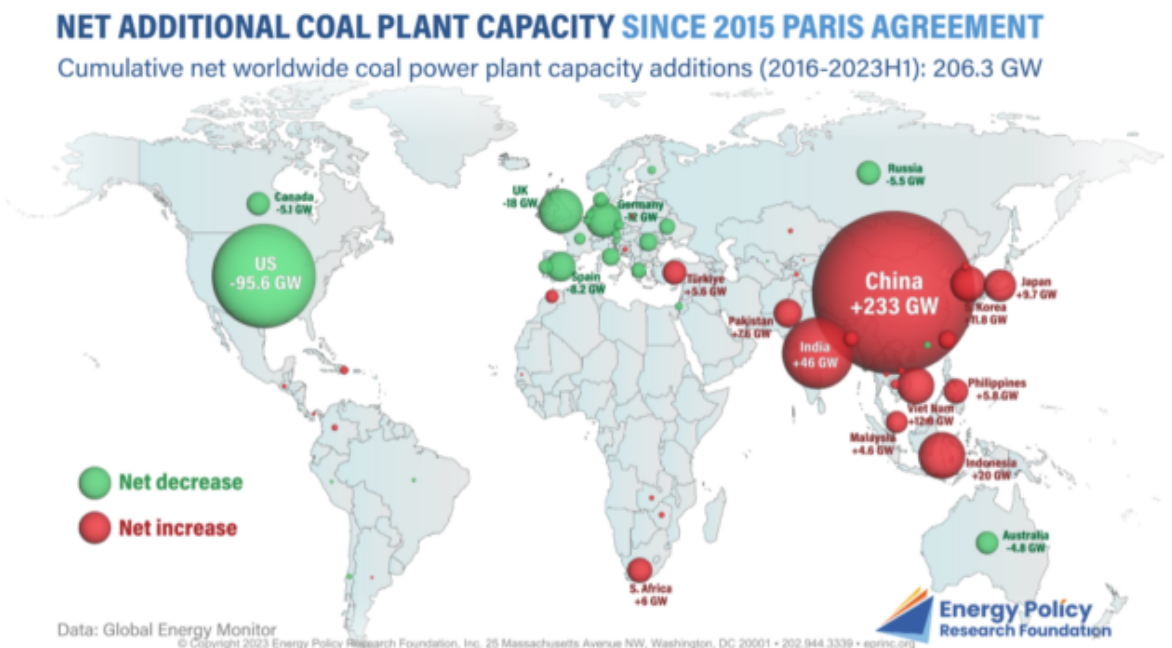


Andrzej Rostek/iStock

??2015????????2023??GW??100??????????????????????
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Posted in ??????????, ??? | No Comments »

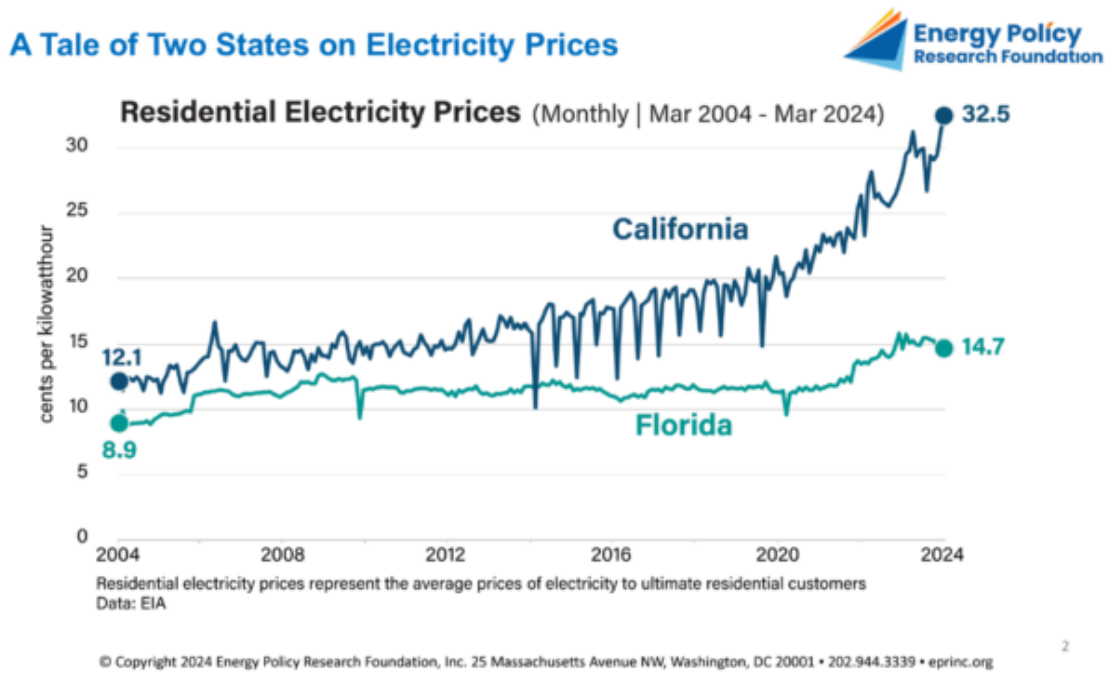
????????????????????????????????

?? ?? · Thursday, September 12th, 2024



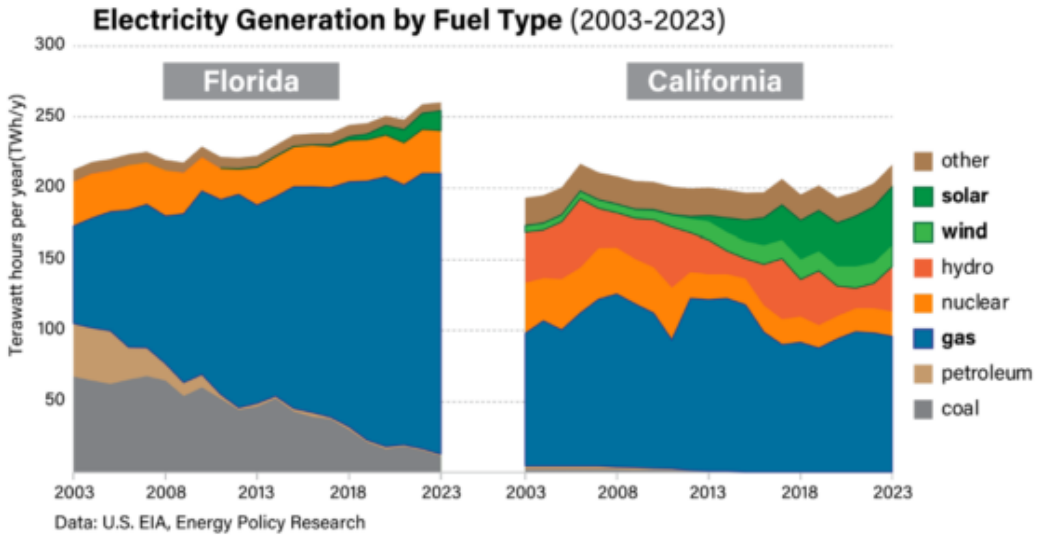
kasezo/iStock

??EIA????????????????????????????20????
 ??????????



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A Tale of Two States on Electricity Generation Mix



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????????????????Energy Policy Research
Foundation??
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Posted in ??????????, ??? | No Comments »

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?? ?? · Wednesday, September 11th, 2024

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

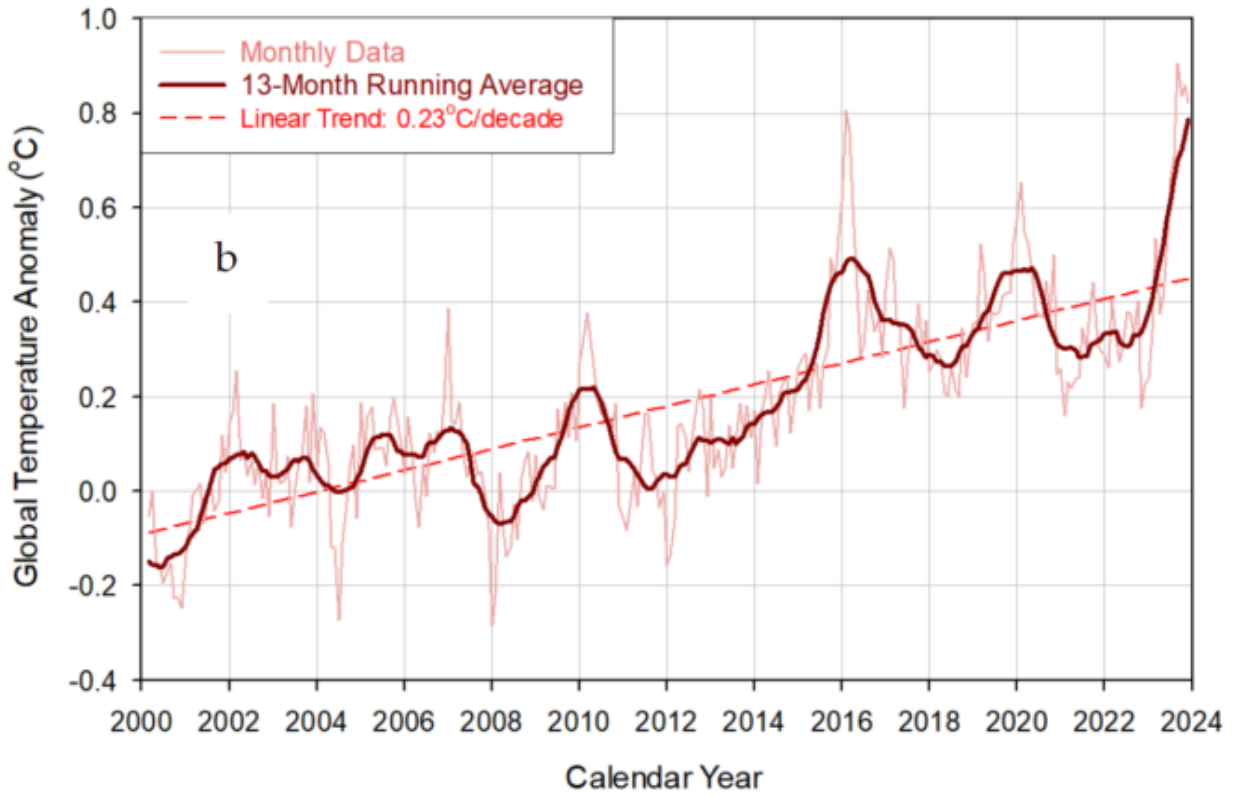
?? ?? · Friday, September 6th, 2024



35007/iStock

2023????????????????????????????????1????????????????????????????????

Hunga Tonga volcano: impact on record warming

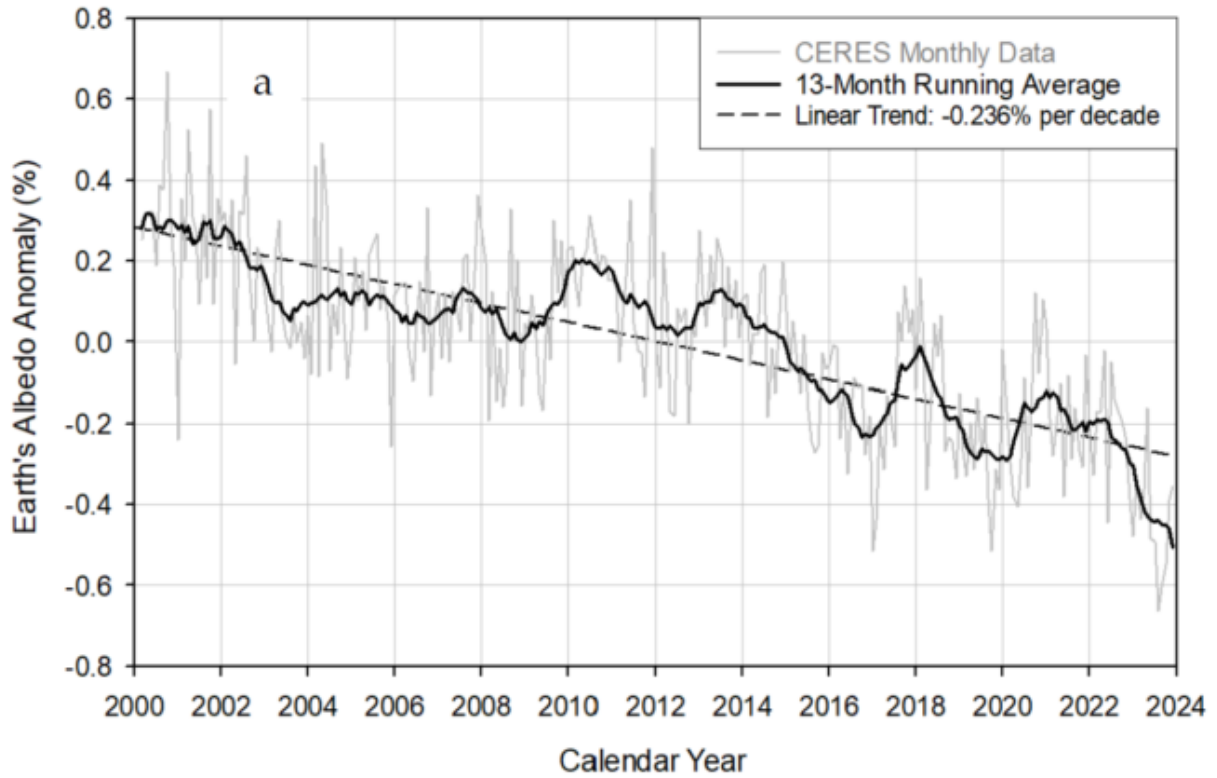


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Roles of Earth’s Albedo Variations and Top-of-the-Atmosphere Energy Imbalance in Recent Warming: New Insights from Satellite and Surface Observations

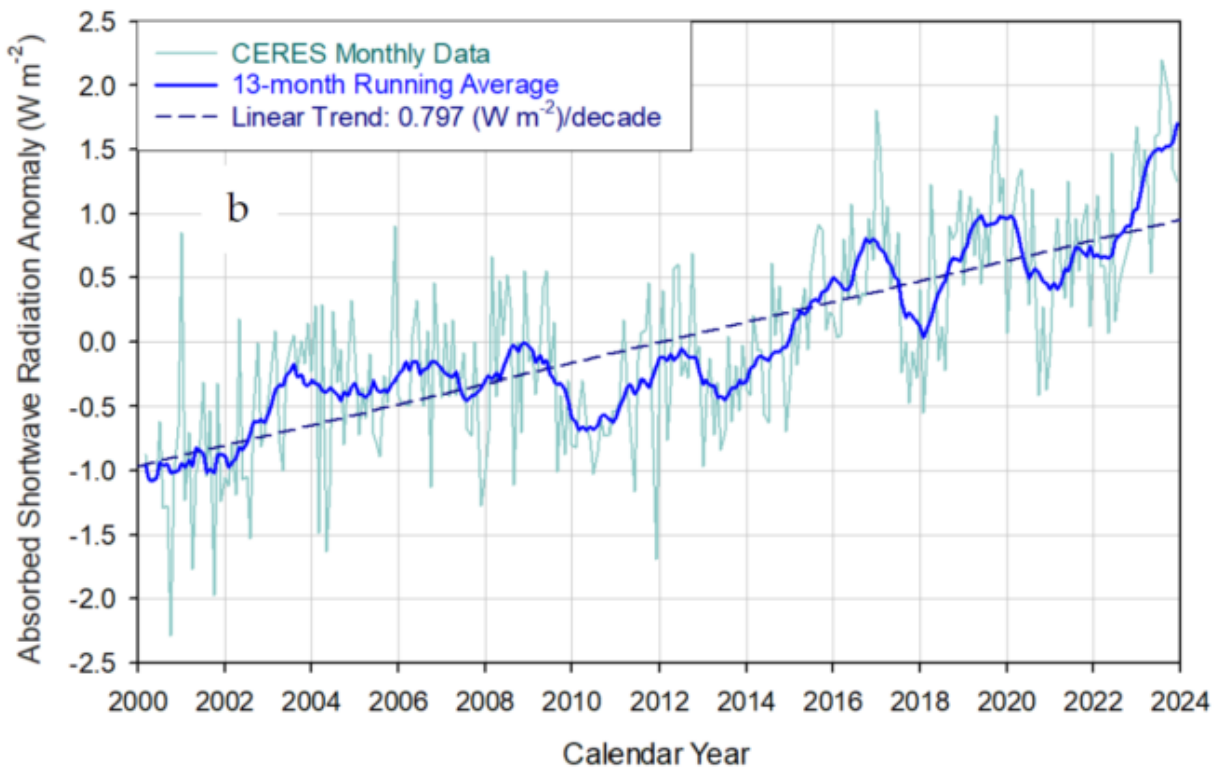
????????????????????2????????????????????????????????2000????0.79%??????????



?2

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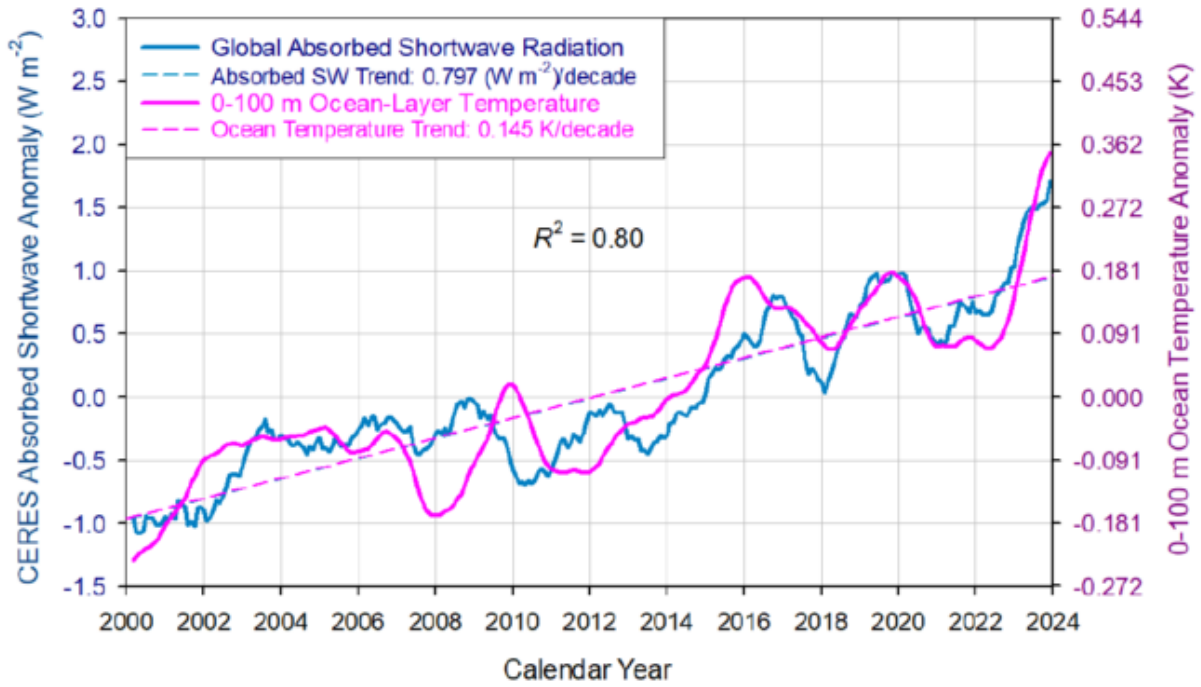
????????????????2000????1????????2.7????????3??????shortwave????????????????????????????1
ongwave????????????????????



?3

IPCC?6?????1750???2019?????????????????????2.72?????????????????2000?????????????????
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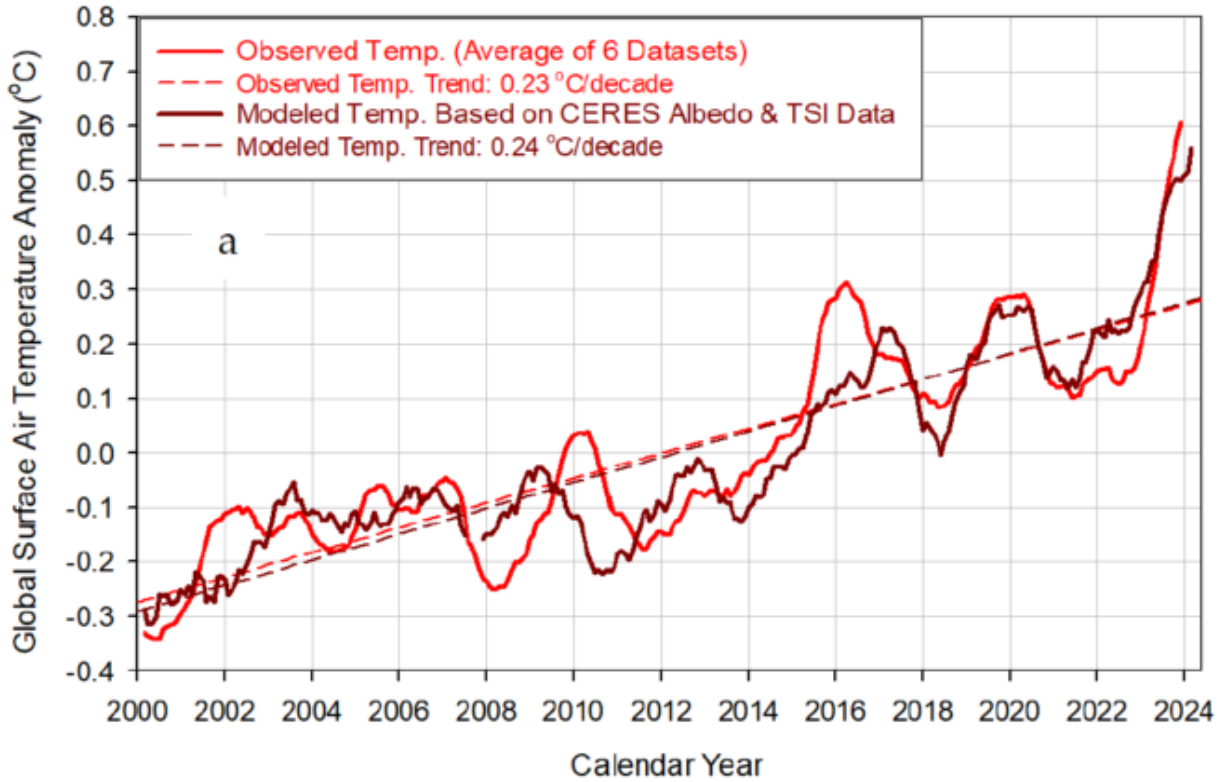
?????????????????????????????4?????????????????????????????



?4

???5?????????????CO2?????????????????????????????
?????????????????????????????CO2??????????????????

?5????????2024?????????????????????????????



25

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

SAF??

?? ? · Thursday, September 5th, 2024

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Wishful Thinking in the Stratosphere

“Jet Fuel from Corn Sounds Sustainable, but Isn’t Much Cleaner”

Sustainable Aviation Fuel

60% CO2

2020 6.3 kL 0.03% 2030 170 kL 2019 890 kL

1/5 2030 6

JOGMEC SAF

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HEFE?

ATJ?

HEFE? ATJ?

1 FT??

e-Fuel?? FT??

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SAF SAF??

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1 CO2 2 3

100/L SAF 200 1600/L

JETRO 2024 2910 31 SAF SAF??

SAF 2023 6 L 60 kL 2024 3 18 7000 L 187 kL 0.53%

SAF CO2 2.5% 2

SAF 3

SAF A B 1 3

B 4 5

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FT CO2

1980

B 5 e-

Fuel CO2 CH4 FT

SAF A

1. CO2
- 2.
- 3.
- 4.
- 5.

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CO2 CO2

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CO2

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42 46 BDF

?????10?????22??KL?????22??2010?????????

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?????????????2019?????6??KL??C?????????????????????515?KL??BDF2?KL??0.4??
????????BDF??
?????????????19??5.1?????

5.1????0.4??SAF?????

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??SAF?????Sustainable?????????????

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CO2????????????????????CO2????2ppm????????5????0.1ppm????2.5%?
?????????????

????????30????????????????SAF????????????????????????????????????

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

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

?? ? · Tuesday, September 3rd, 2024

8?????????2AZEC????????????????????

AZEC????????????????????????????2022?1????????????????????????????
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??11??AZEC????????



The Government of Japan ??

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 ???one goal, diverse
 pathways??
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AZEC????????????????

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??61????????????63????10????
 ?????????????????40??
 ?????????????????CO2????????????????????????????

????????????????G7??
 ??AZEC????????????????????????

??COP28??AZEC????????????????
??NGO????????????????

????????????AZEC??
??3????????????????????????????????????2050????????
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8??AZEC????????????AZEC????????????????????????????????????AZEC Advocacy Group???????

??JETP?Just Energy Transition
Partnership??
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??CCUS????????????????????????AZEC????????????????
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????????????AZEC????????????COP??
??affordability?????????

2050??COP????????????????????????AZEC????????????????
????????????????????COP????????????????????????????????

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? ? ? AZEC ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? AZEC ? ? ? ? ? ? ? ? ? ? COP 28 ? ? ? ? ? ? ? ? ? ? ? ? ? ?
????????GST????????????????????????????????????1.5????????????????????????????????
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G7????????????1.5????????????????????????????????????AZEC????????????????????????1.5????2050?
??NGO?AZEC????????????????????????2050????????
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????????2????????????2????????????1.5????????????4????2????????????
????????????????????????1.5?2050????????????????????????
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Posted in ??????????, ??? | [No Comments »](#)