

COP26????????????????????????????????1??
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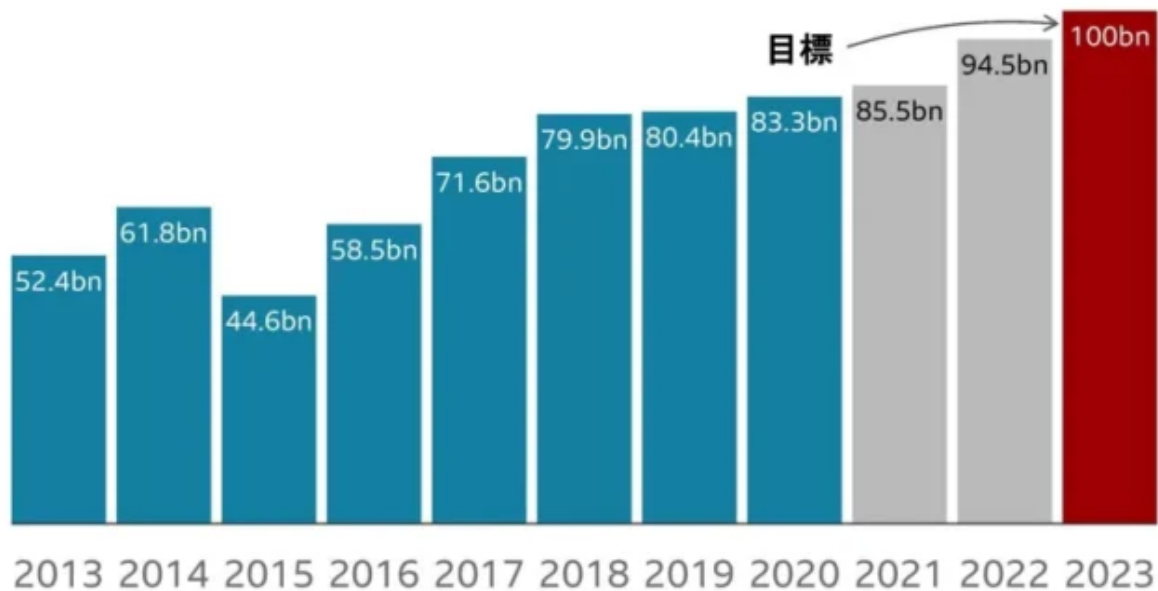
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気候変動対策の支援額 先進国が資金集めと供給を行った額(単位:10億米ドル)



2021年と2022年のデータはOECDによるシナリオの平均値
出典:経済協力開発機構(OECD)

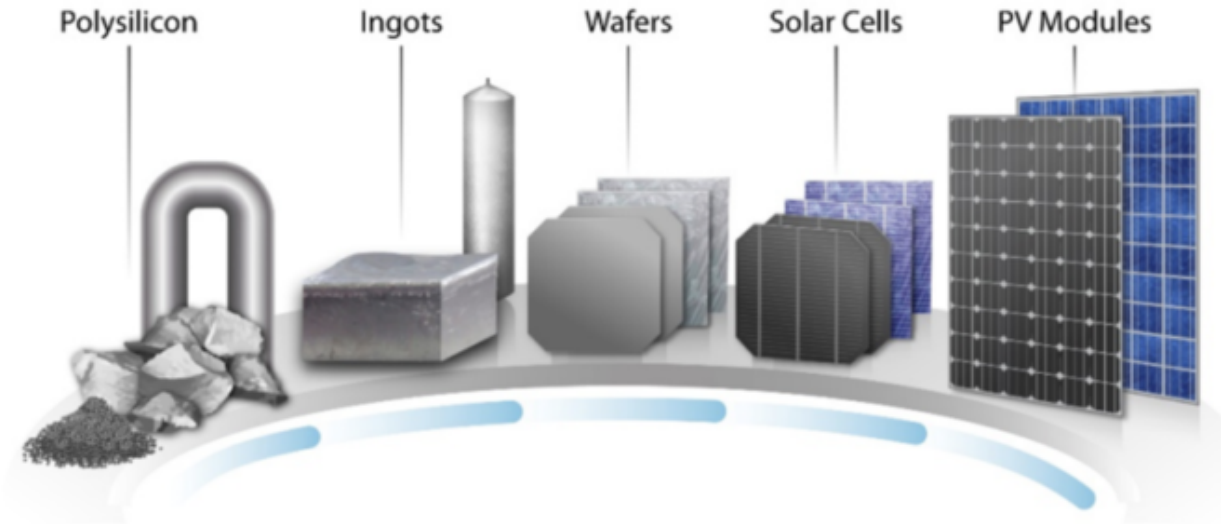


????IEA????????????????????4????????????????COP????????????????
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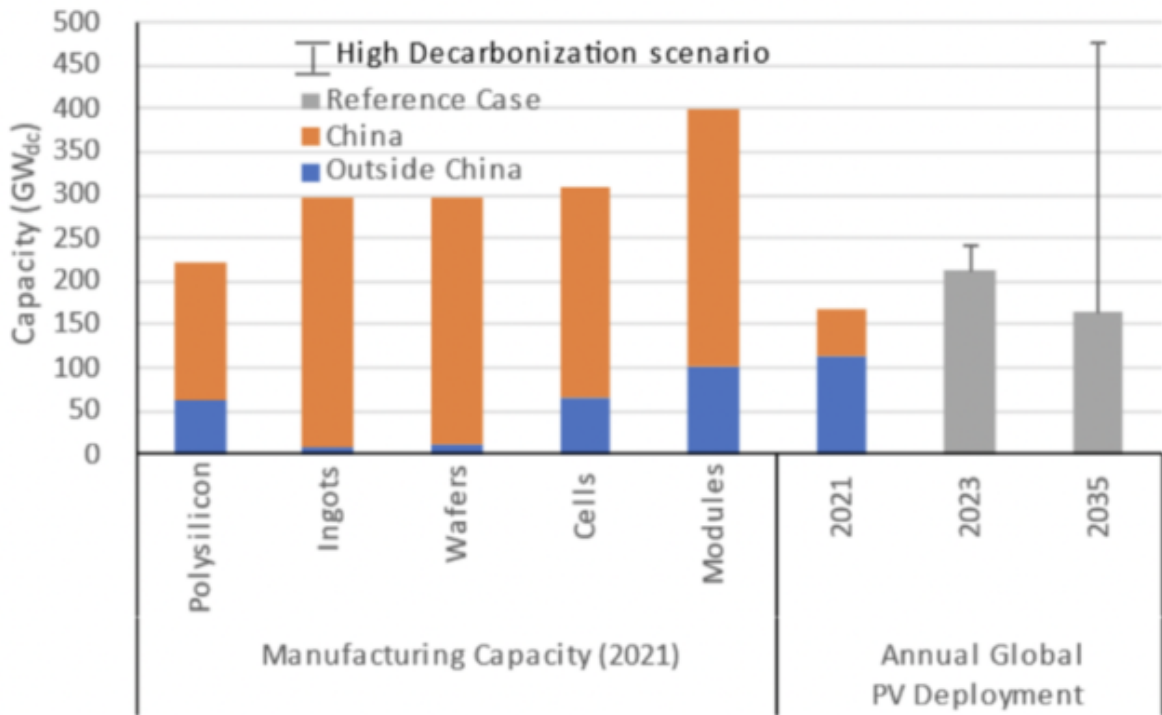
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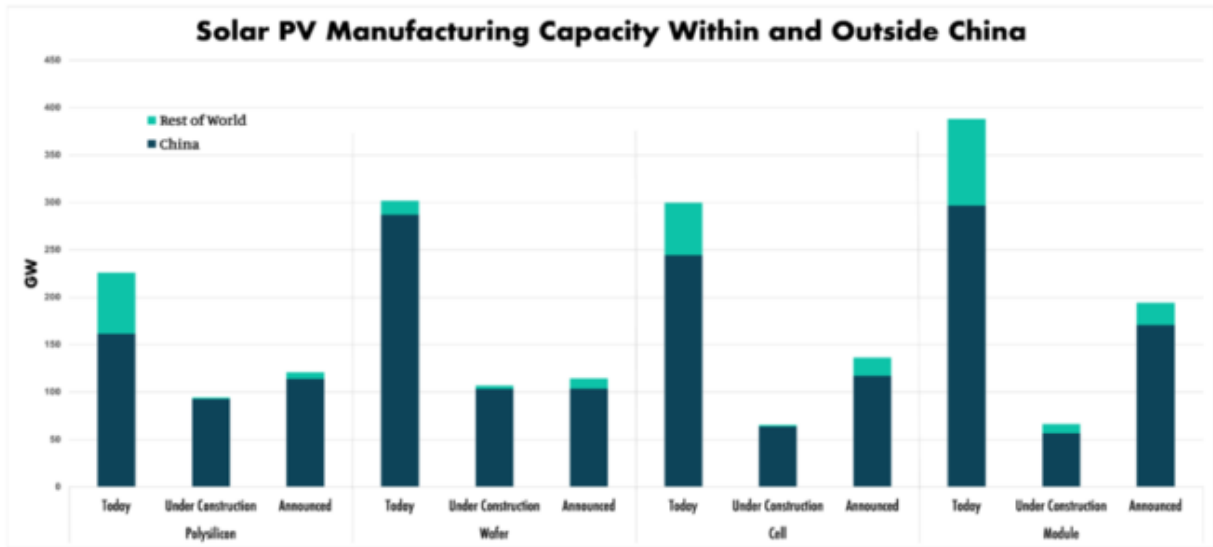
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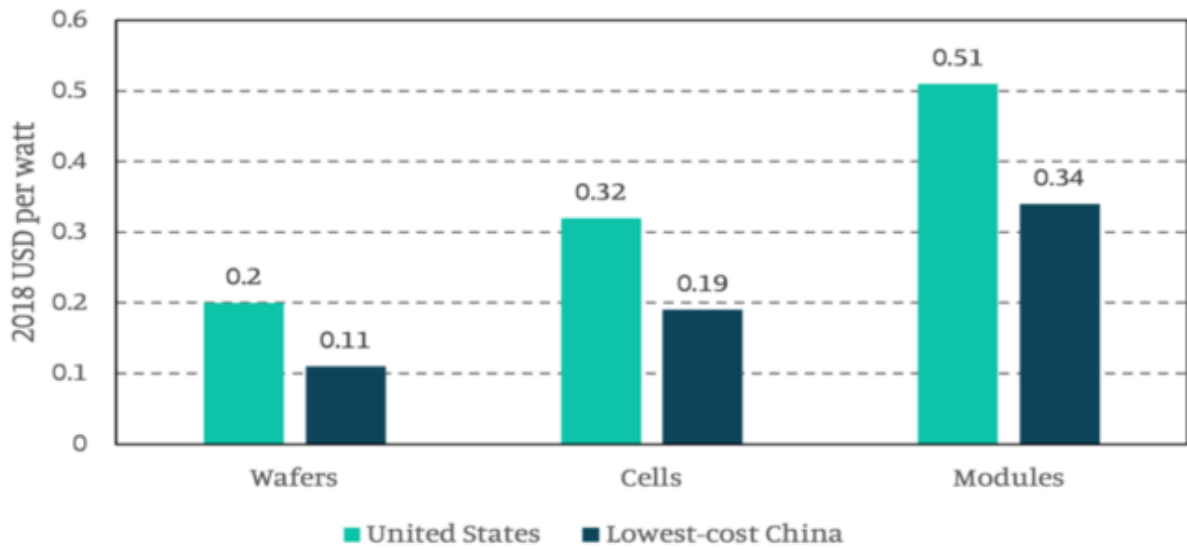


??Xinjiang????????????????????????????????KWh????6??????????



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Minimum Sustainable Price (MSP)



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Posted in ???, ????? | No Comments »

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?? ? · Saturday, November 19th, 2022



Nastco/iStock

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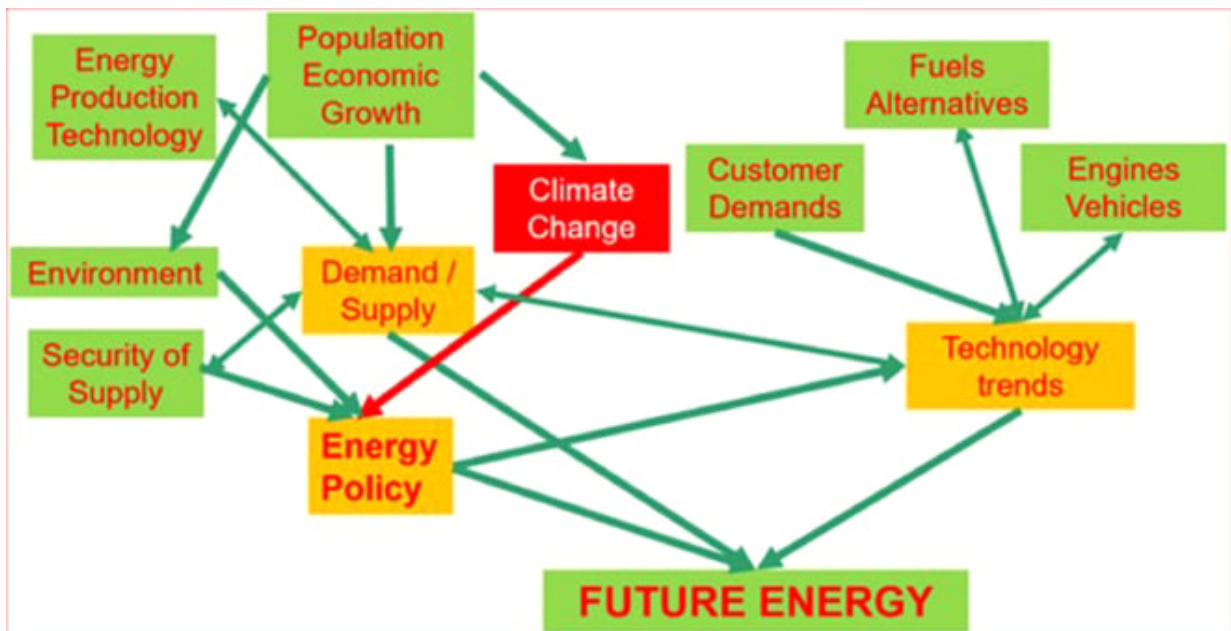
??Gautam????????Gautama????????????????????????????????????
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CO2

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BP 82.3% 489.66EJ/595.15 EJ 1.75%

Table 1. Primary energy and electricity sources in exajoules, EJ (10¹⁸ joules) and installed wind and solar capacity in GW for 2021 [7]. Electricity generation converted to EJ from TWh. 1 EJ= 277.8 TWh.

Country	World	China	U.S.A	India	UK
Oil, EJ	184.21	30.6	35.33	9.41	2.5
Natural Gas, EJ	145.35	13.63	29.76	2.24	2.77
Coal, EJ	160.1	86.7	10.57	20.09	0.21
Total fossil fuel, EJ	489.66	130.93	75.66	31.74	5.48
Actual delivered Wind, EJ	6.7	2.36	1.38	0.245	0.232
Actual delivered Solar, EJ	3.72	1.177	0.594	0.246	0.045
Nuclear, EJ	25.31	3.68	7.4	0.4	0.41
Hydro, EJ	40.26	12.25	2.43	1.51	0.06
Other, EJ	29.5	7.253	5.306	1.289	0.953
Total Primary Energy, EJ	595.15	157.65	92.97	35.43	7.18
Electricity Generation					
Installed wind capacity, GW	824.9	329	132.7	40.1	27.1
Installed Solar Capacity, GW	843.1	306.4	93.7	49.3	13.7
Total electricity generated, EJ	102.47	30.72	15.86	6.173	1.116

Other includes bioenergy, geothermal etc.

1

BP IEA

1 EJ = 277.8 TWh = 2.778 x 10¹⁵ Wh = 2.778 x 10¹² TWh = 2.778 x 10¹⁸ J

2.778x10⁻⁷kWh??10¹⁸????????????????????????????????

??????1kWh????????????????????1kWh = 860.6kcal = 3.6kJ????100????????????????????100????????????????????40????????

??????1kWh??860.6kcal????860.6kcal??1kWh????????????????Wh????????

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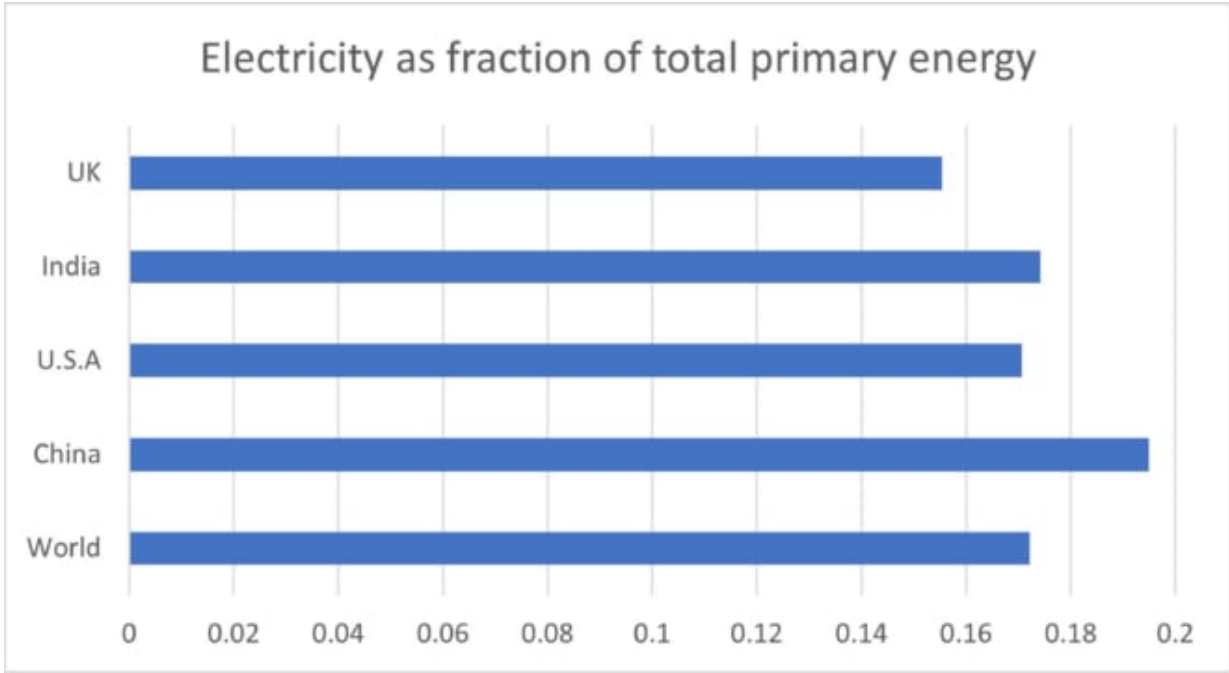
????????????BP????1kWh = 860.6kcal = 3.6kJ?IEA????41.5%????0.415??1kWh = 2074kcal = 8.67kJ????0.415????

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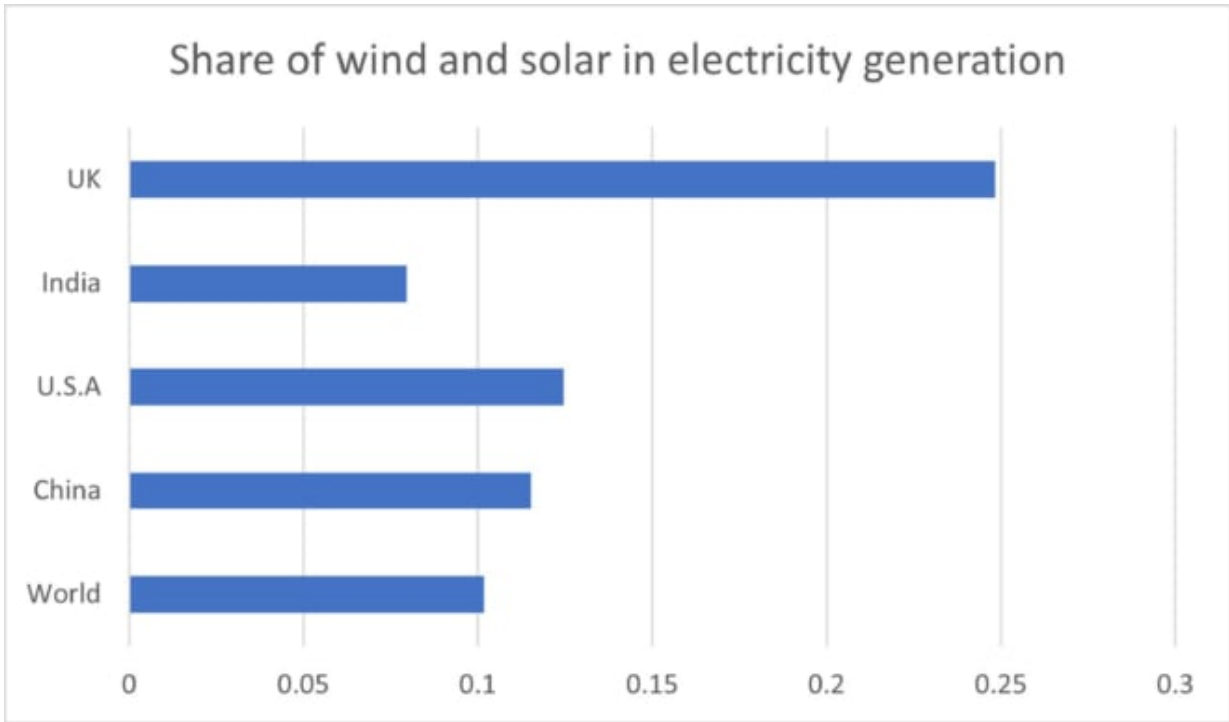
????????1????489.66EJ????105.49EJ??254.19EJ????0.415????2.4????5 95.15EJ??743.85EJ????17.7%?=106.49/595.15????34.2%?=254.19 /743.85????

?2????10????2????34.2%????40????



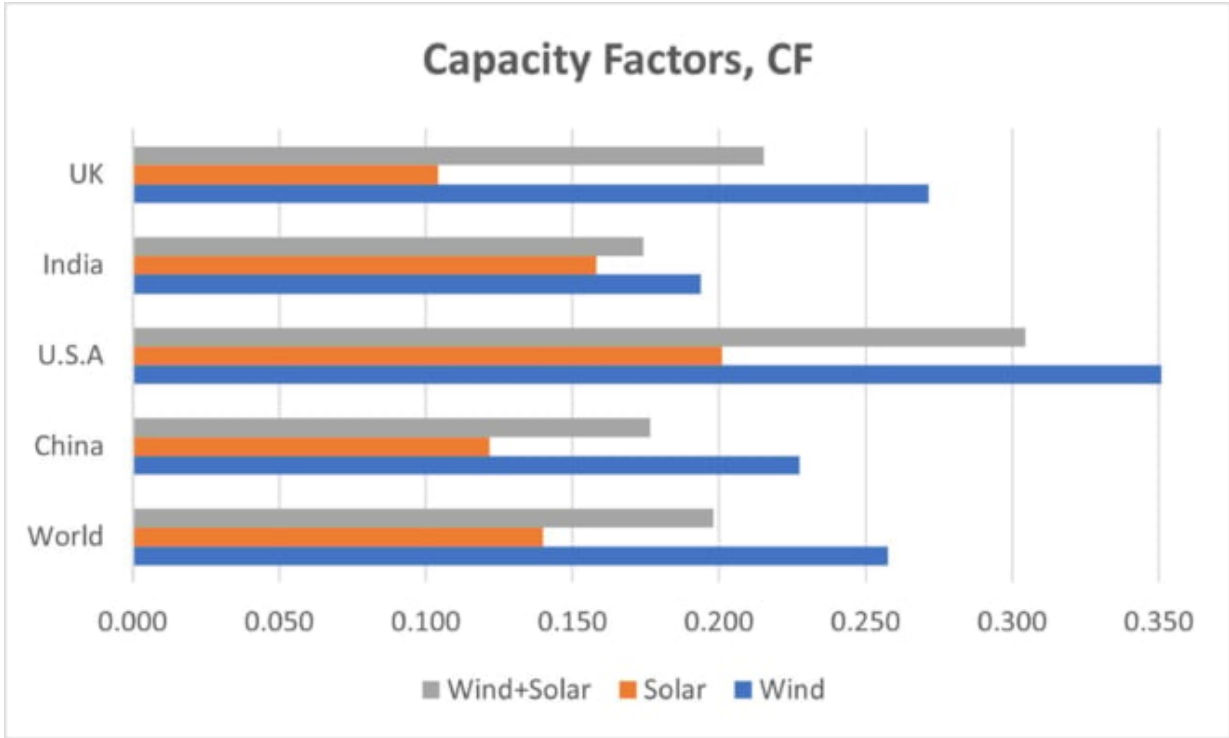
22

23??25????????????????????????10????????????????????????CO2????????????????????????
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Posted in ???, ????? | No Comments »

??140????????COP27????????????

?? ?? · Wednesday, November 16th, 2022



fergregory/iStock

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TBS YouTube

16% 10% 7.8% 2.3% 0.5%

25%

830 769 20



alle12/iStock

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Posted in ???, ??? | No Comments »

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?? ?? - Saturday, November 12th, 2022



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

????CO2????????????????????0.1?

?? ?? · Thursday, November 10th, 2022



hanibaram/iStock

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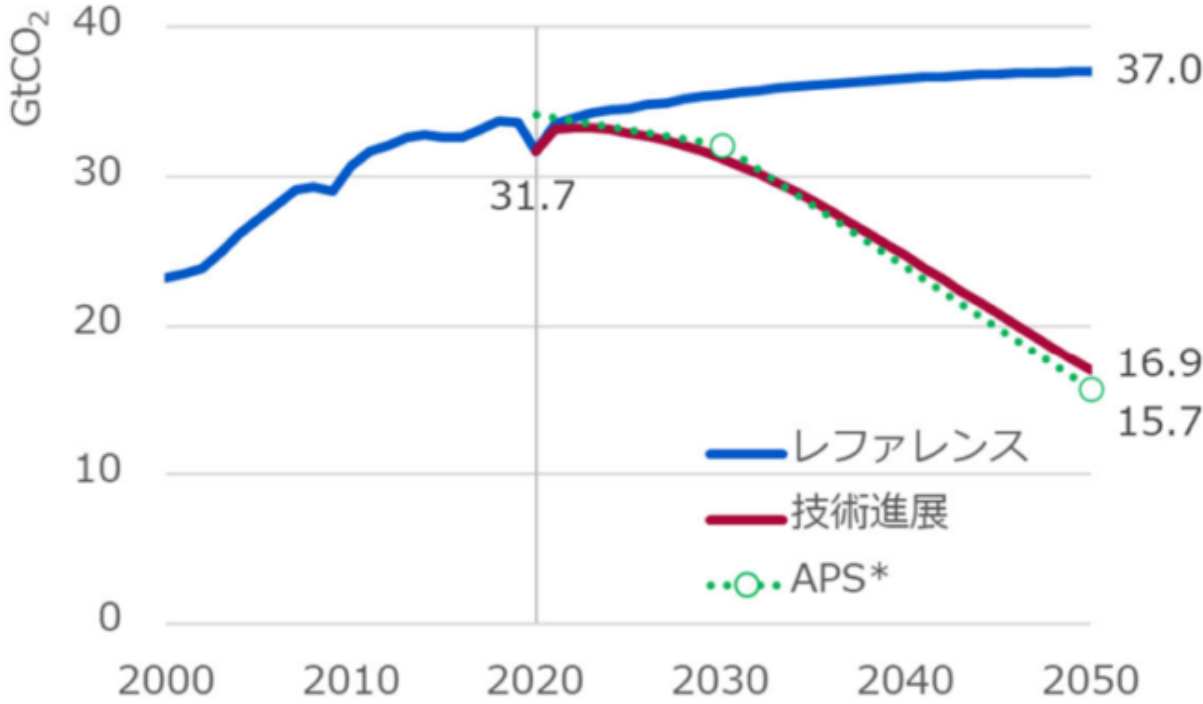
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CO₂??CO₂??
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エネルギー起源CO₂排出量の見通し



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Posted in ???, ????? | No Comments »

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

?? ?? · Thursday, November 3rd, 2022



bee32/iStock

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

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?? ?? · Monday, October 31st, 2022

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兵研施設で技術者らと言葉を交わす金正恩・朝鮮労働党委員長。写真はKCNAが2016年3月配信。

©?Reuters

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Posted in ???, ?? | No Comments »

????????COP27

?? ? · Sunday, October 30th, 2022

11??18????????????????????COP27????????1????????COP????????17????

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Heiness/iStock

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COP27????????????????????????????????

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COP27????????????????????

COP27????????????????????COP26????????????????????COP27????????????????????
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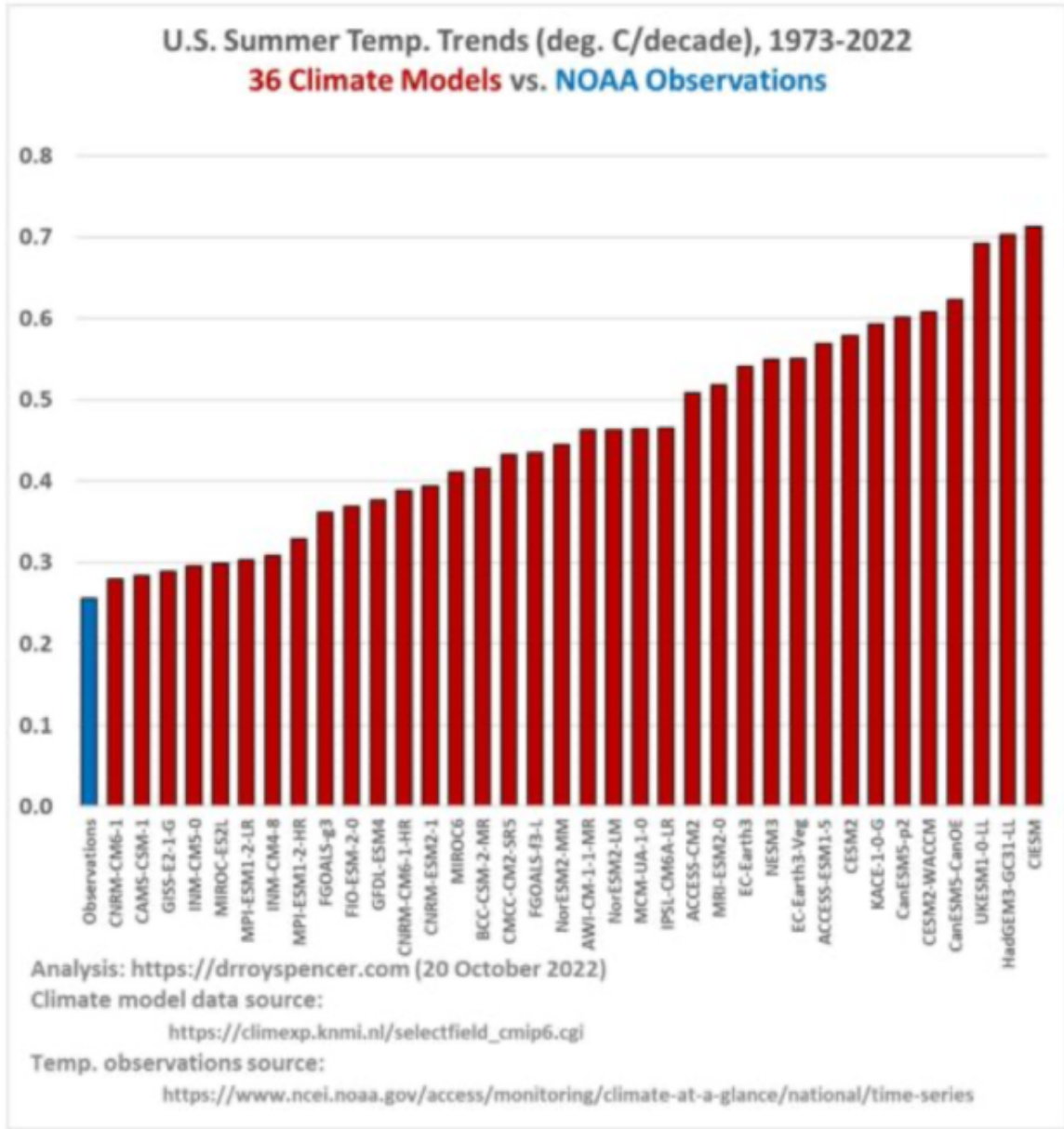
?? ?? · Friday, October 28th, 2022



Tr6/iStock

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Posted in ???, ????? | No Comments »

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

?? ?? · Friday, October 28th, 2022



AleksandrVS/iStock

??21????????????????ESG????????????????????

??21????????????????ESG????????

ESG??The Epoch Times????????????????????????????

??19??????NZBA????????????????????

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10,500????????????39????NZBA????????2050????????????????????????????????????
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Research????????????????????ESG????????????????????????????????????
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ESG Watch: Banks' net-zero pledges in the spotlight at Climate Week New York

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AG Paxton Demands BlackRock Account for its Underperforming, Potentially Illegal 'ESG' State Pension Fund Investments

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????????JP????????????????????????????????

????????1860????????ESG????8????????ESG????
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Governor Ron DeSantis Eliminates ESG Considerations from State Pension Investments

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

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?? ?? · Thursday, October 27th, 2022



RapidEye/iStock

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?2020?IPCC????????????????2.5?4??

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Parradee Kietsirikul/iStock

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2021??GHG????????????????IEA??2050????

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50????GHG??

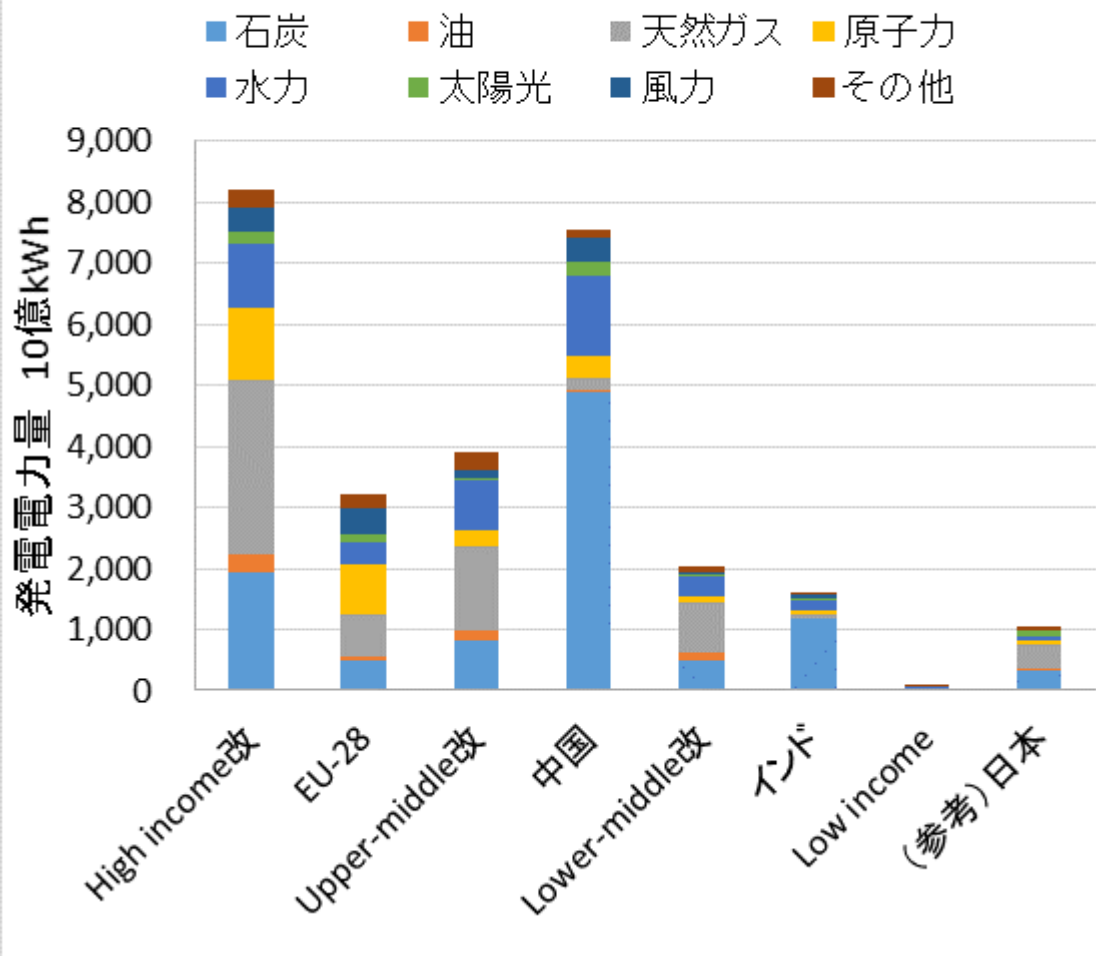
????2050??????????????????????

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GHG??-6
?2019??IEA????????????????????????????
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図-6 発電電力量(2019年)

出所:IEAデータベース



76

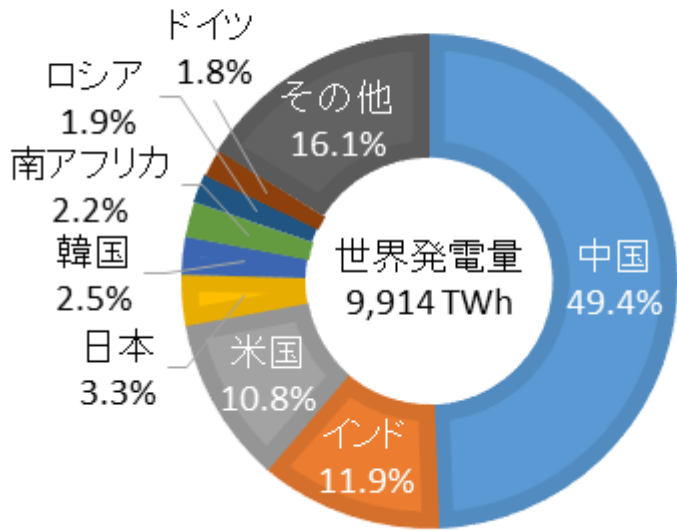
?-6????1????????????????65% ???-2?????????G
HG??

??73% ???2023??
??2019?????GHG??GHG????????????????????????
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GHG??-7??GHG????????????????????
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図-7 世界の石炭火力(2019年)

出所: IEAデータ



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????????31.5%????????1970????????????????????????????????
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EU-28????25%?EU????14%????????????BRICs????????????
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表-2 太陽光発電と風力発電の総電力量比 %

グループ	太陽光発電	風力発電	合計
High income改	2.6	4.6	7.2
Upper-meddle income改	1.0	3.0	4.1
Lower-middle income改	0.8	1.0	1.8
Low income	0.8	0.6	1.4
EU-28	4.1	13.4	17.5
中国	3.0	5.4	8.4
インド	3.1	4.3	7.4
(参考)日本	6.6	0.7	7.3

72

????????????9% ?? High income?????????-6??GHG??

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??GHG??capacity factor????????????

????????????????EU-27????????????????????????30-35%??

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??2??%??
??20-30%??
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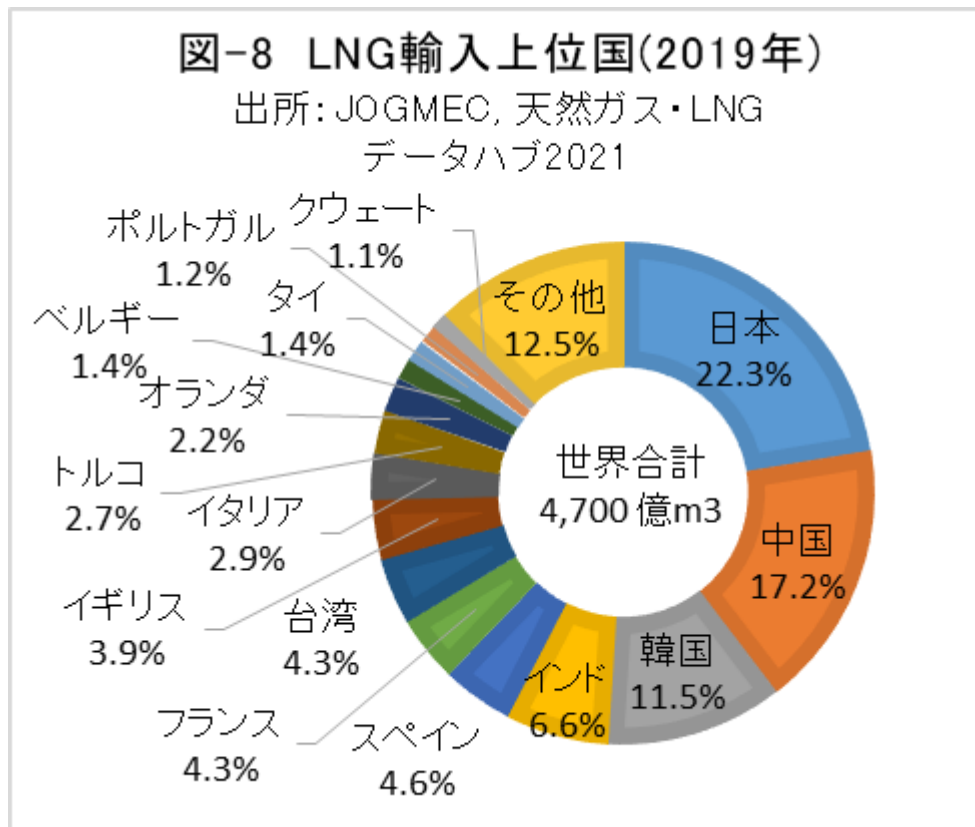
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????????????????????GHG????????????????????????????????Upper-middle income??Lower-middle income??

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LNG??LNG????????????????LNG????????-8?
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?????????????????1%????????????????

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

2050???????????????? ?

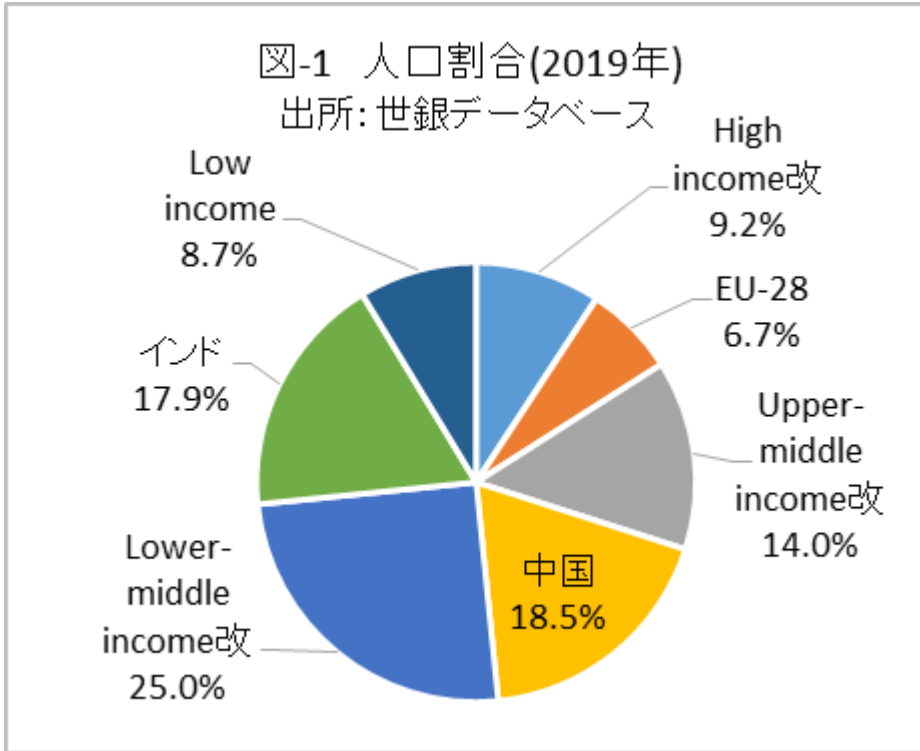
GEPR??? · Sunday, October 23rd, 2022

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EU-28 High income Upper-middle income Lower-middle income

EU-28 High income Upper-middle income Lower-middle income Low income

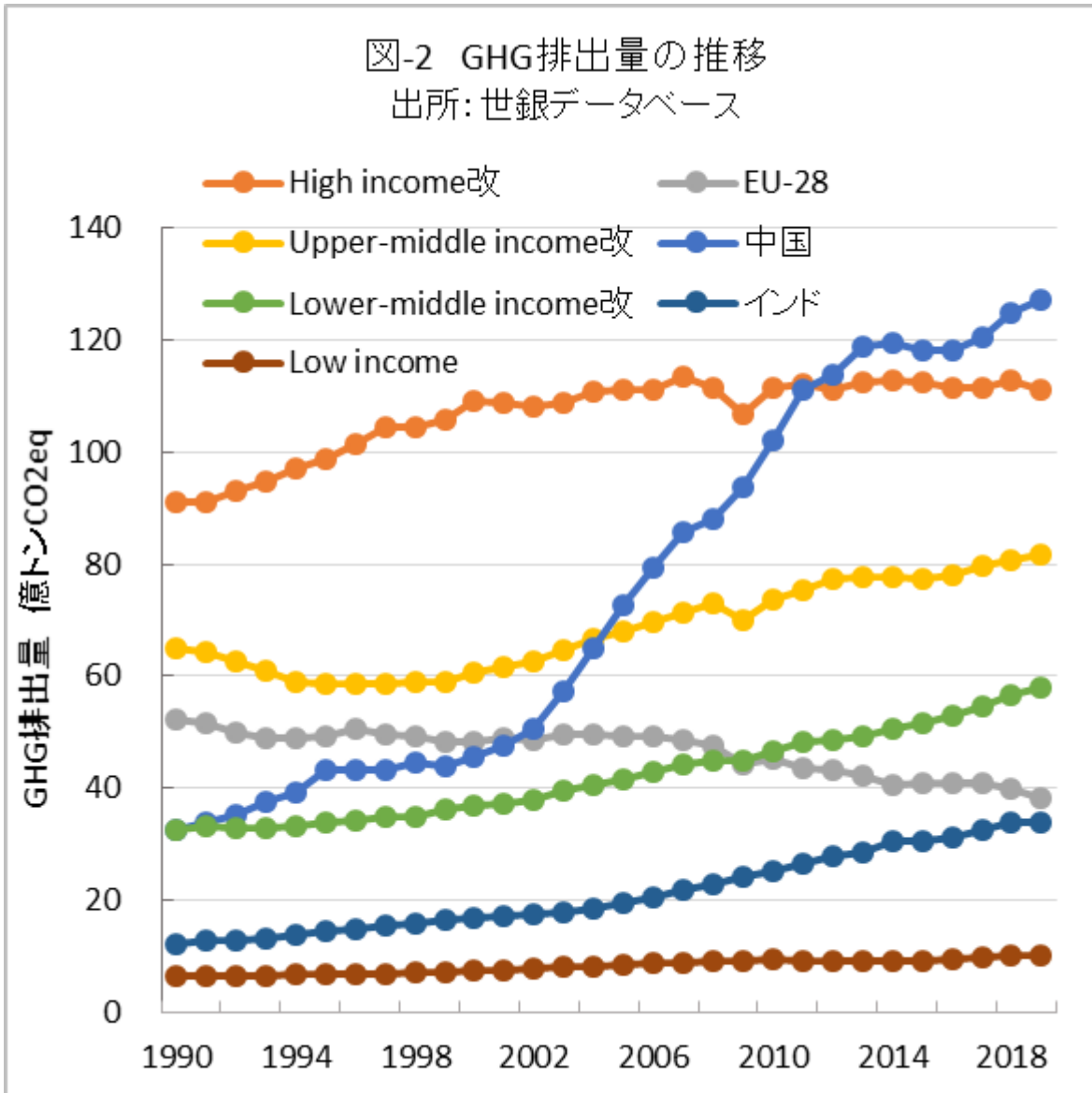
2019 16%



71

GHG 2/3

2010 GHG EU-28 High income

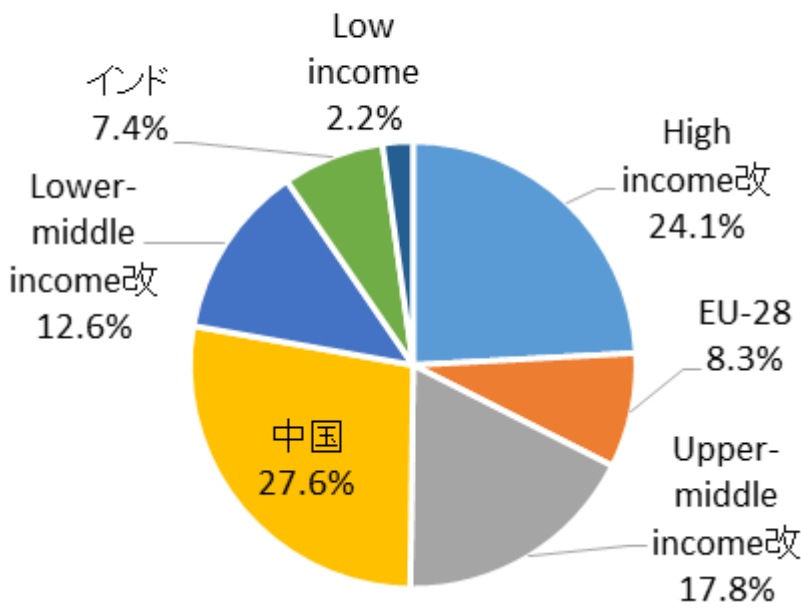


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?-3?2019??GHG????????????????????1/3????????????????2/3????????????????GHG????????????2%??
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図-3 GHG排出量割合(2019年)

出所: 世銀データベース



23

2050??GHG????EU-28?GHG?????GHG?????????EU????????
 ?GHG????EU?????????GHG?????????EU????
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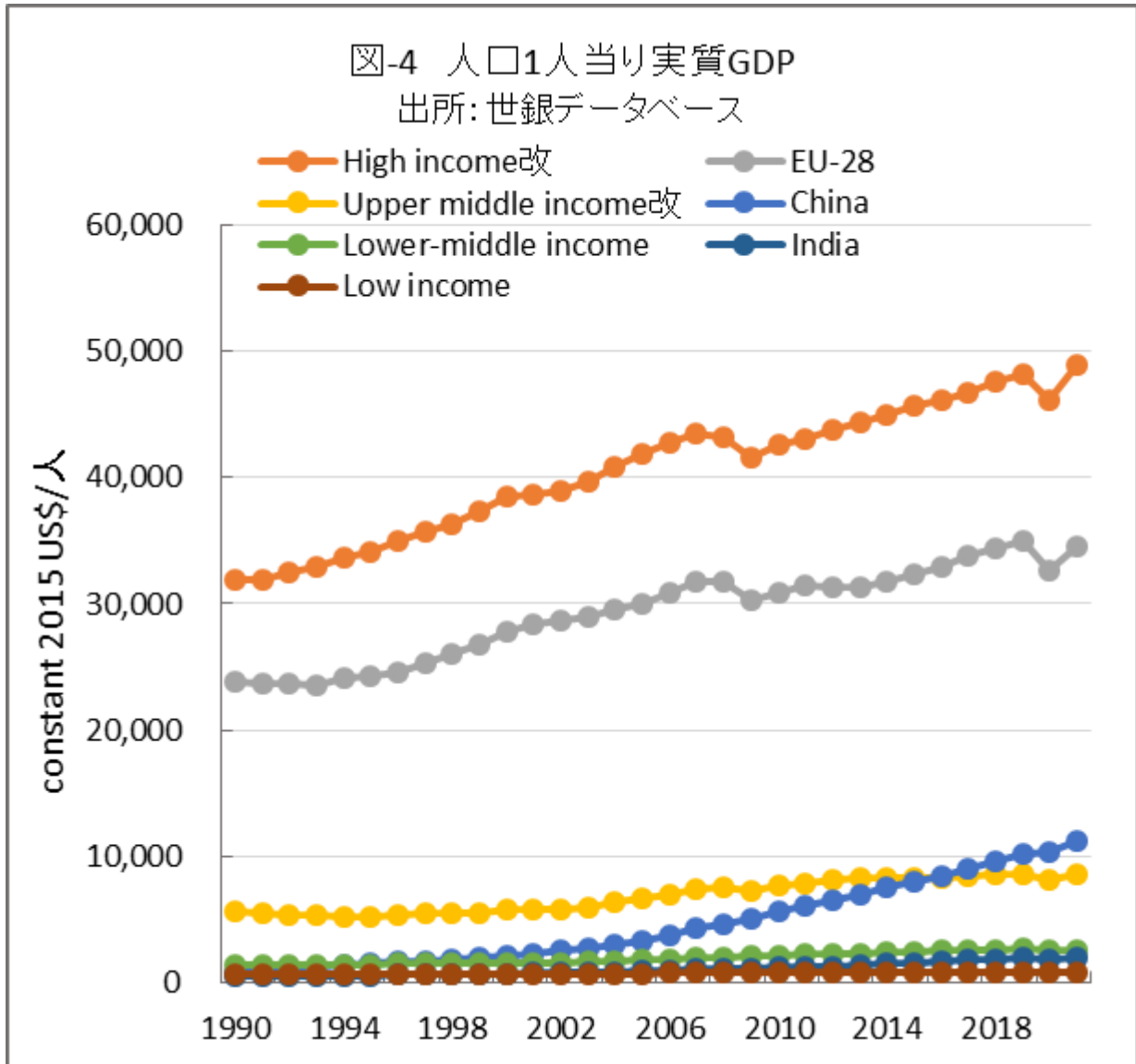
High
 income???2019?GHG????????????????????????????90%?????
 ?????2060????2050????????????????????????????

????????????????????????????????GHG????????????
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?GHG????????

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

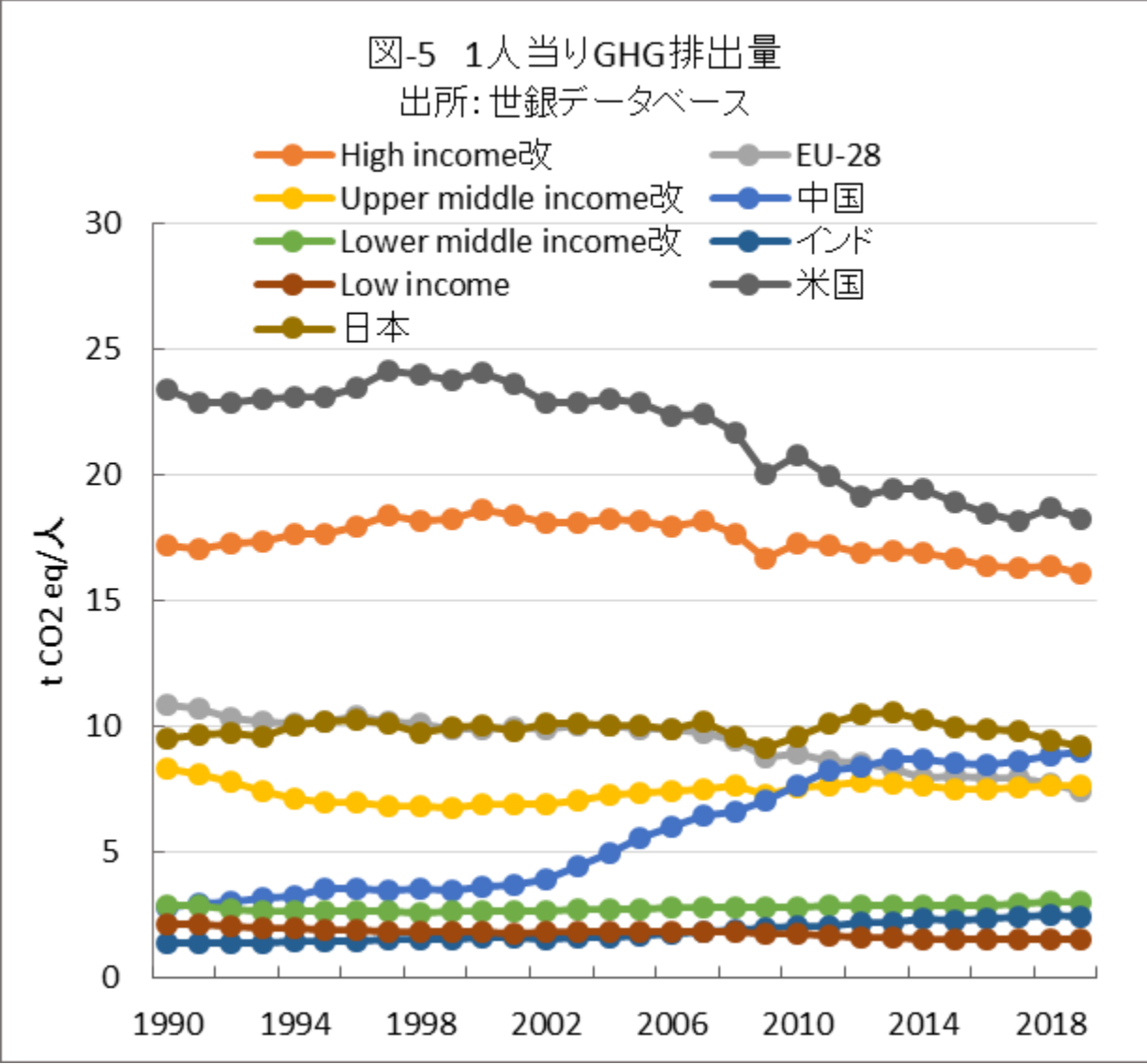
?-4??1?????GDP????????-1???????GNI?????????GDP?????G
 DP?GNI?????????????????GDP??GHG????????1?????????



74

????????????1??GDP??
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?-5??1?????GHG??



25

GHG????????EU????2019??1????????????Upper-middle
income?EU-28????????????1990???GHG????????????????????EU-28???High
income??GHG?????2????????????????Lower-middle
income????????????GHG????????????????????

??2????????????????????GHG????????????????????

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??GHG????????CO2????2030????????????2060????????????????????????2030????????????????
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1980??COP26????
??2070????GHG??20????????????????30??GHG????????
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??????GHG?????1?23??
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????????GHG????2/3????????????2050????GHG????????????????GHG????????????????????
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IEA??2050??CO2??????

??????????IEA??2021?11??Figure
1.1??2050??????CO2????????APS????????????????????GHG????????????????NDCs??
2050????????????????????????????

WEO-2021 APS?2021?5????????????????????Updated
APS?2021?10??GHG??CO2????????????
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????STEPS?NDCs??NZE?IEA?202
1?5?????2050????????????????



LewisTsePuiLung/iStock

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NEW – UN Secretary for Global Comms says they "own the science" on "climate change," and opposing viewpoints have now been pushed down in search results through their partnership with Google.<https://t.co/fMaPYsHGUT>

— Disclose.tv (@disclosetv) October 2, 2022

??????9????????????????????WEF??
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?Tackling

Disinformation??COVID-19????????????????????????????????
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You Tube??TikTok?????????Team
Halo????????????????????

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twitter????????Democratic Dictatorship?George Orwell????????????????

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Farm??
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Disinformation????????????????WEF????????????????????COVID-19????????????????????????????
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Posted in ???, ????? | No Comments »

ESG????????3E?S????????????

?? ?? · Thursday, October 20th, 2022



ipopba/iStock

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??COP26????????????ESG????????????????

610



EU

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627 ESG2.0 ESG ESG



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99 NZAOA NZAOA



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1010 ESG COP26



Gfanz Jp

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ESG 3

ESG



35 ESG

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???World Energy Investment 2022, IEA

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???IEA????????Net Zero by 2050????????2050????????????????????????????????????1.5????????????????????????????????????
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????????2050??IEA?21????????World Energy Outlook
2021??STEPS????????2030????????????????????
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ESG?

ESG
ESG

Economy Environment Energy
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2050 2030

ESG
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10
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Posted in [ESG](#), [ESG](#) | [No Comments](#) »

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?? ?? · Thursday, October 20th, 2022



1?2050????????????2030??
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3???4?10?25??

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??2022?2????????????????????????????????
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MadamLead/iStock

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COP26??

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Reuters????????????????????????????????????Africa Oil Week 2022 Conference????????????

- ?????????????????????COP27??
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- ???6????????????????10????????

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2021?4????????????????????????????????????COP26????UNFCCC Race to Zero????????????????????????????????GFANZ????????

GFANZ????????45????????500????????????????GFANZ????????????Race to Zero????????????

????COP27????GFANZ????????????????????

??Climate Change Dispatch????????????JPMorgan Chase, Morgan Stanley, Bank of America????????????????????????????????GFANZ????????????????????????????

U.S. Banks Threaten To End Support For UN Climate Edicts Over Legal Risks – Climate Change Dispatch

?GFANZ??GFANZ????????????????

????????????????????2050??

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

??JPMorgan Chase
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????CEO??CO₂????????

‘Road to hell for America’: JP Morgan CEO snaps back at Rep. Tlaib on fossil fuels

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?? ?? · Tuesday, October 11th, 2022

??2030????CO2????????????????????
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NicoElNino/iStock

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????2030????CO2????2000??2000????CO2????5775????
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1. 2000????2030????CO2????????????????????????2030????????????????????????CO2????????????????????
2000????2030????????????????????????????????
2. ?????????????????????????????????CO2????????????????????????????CO2?1?????????????????o.5????
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3. ?????????????2030????1??100??1????????
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??CO2????????????????????IPCC????????????????????????????????CO2??1
000GtCO2?????1???CO2?????????0.5?????????????

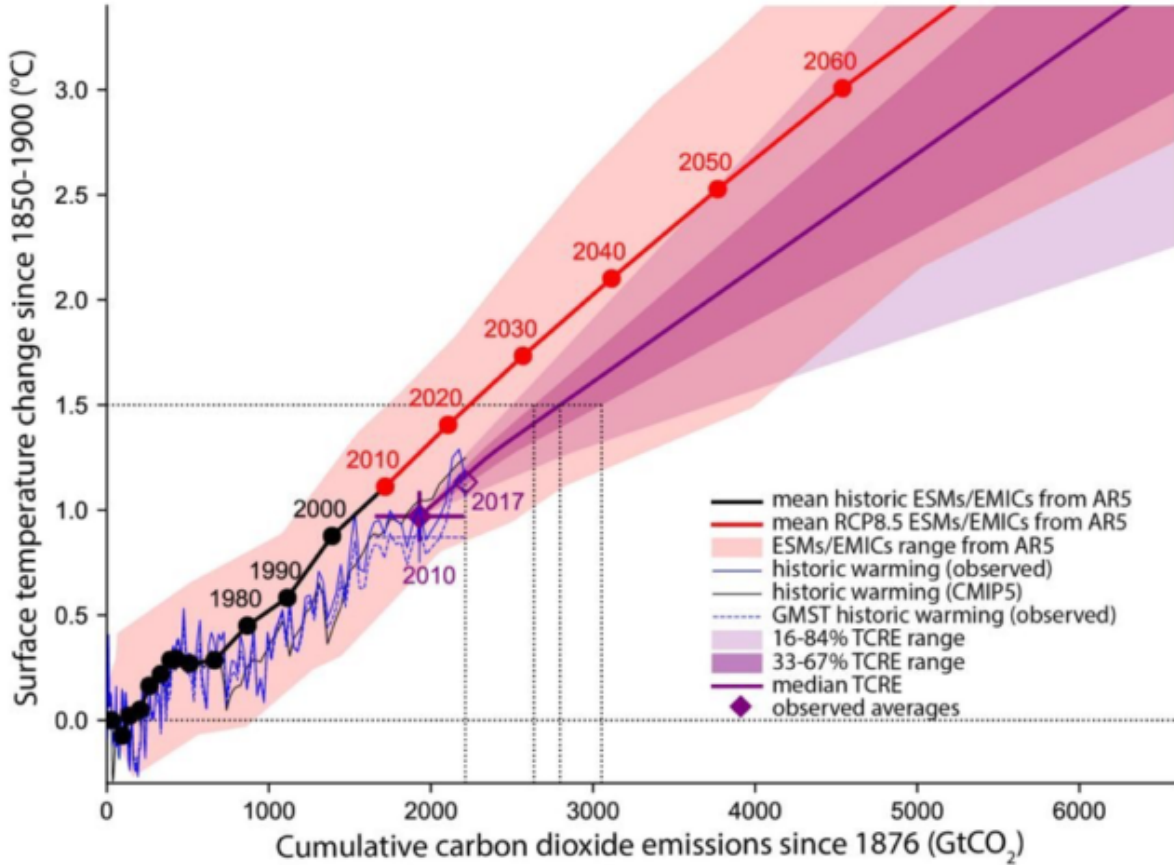


FIGURE 2.3 Temperature changes from 1850–1900 versus cumulative CO2 emissions since 1st January 1876.

??IPCC

3.??

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Posted in ???, ????? | No Comments »

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?? ?? · Monday, October 10th, 2022

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3????????????????1000?????????...????12????????????????????



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y-studio/iStock

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?SDGs? ???

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

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?? ?? ? - Sunday, October 9th, 2022

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bee32/iStock

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allanswart/iStock

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Daniele Mezzadri/iStock

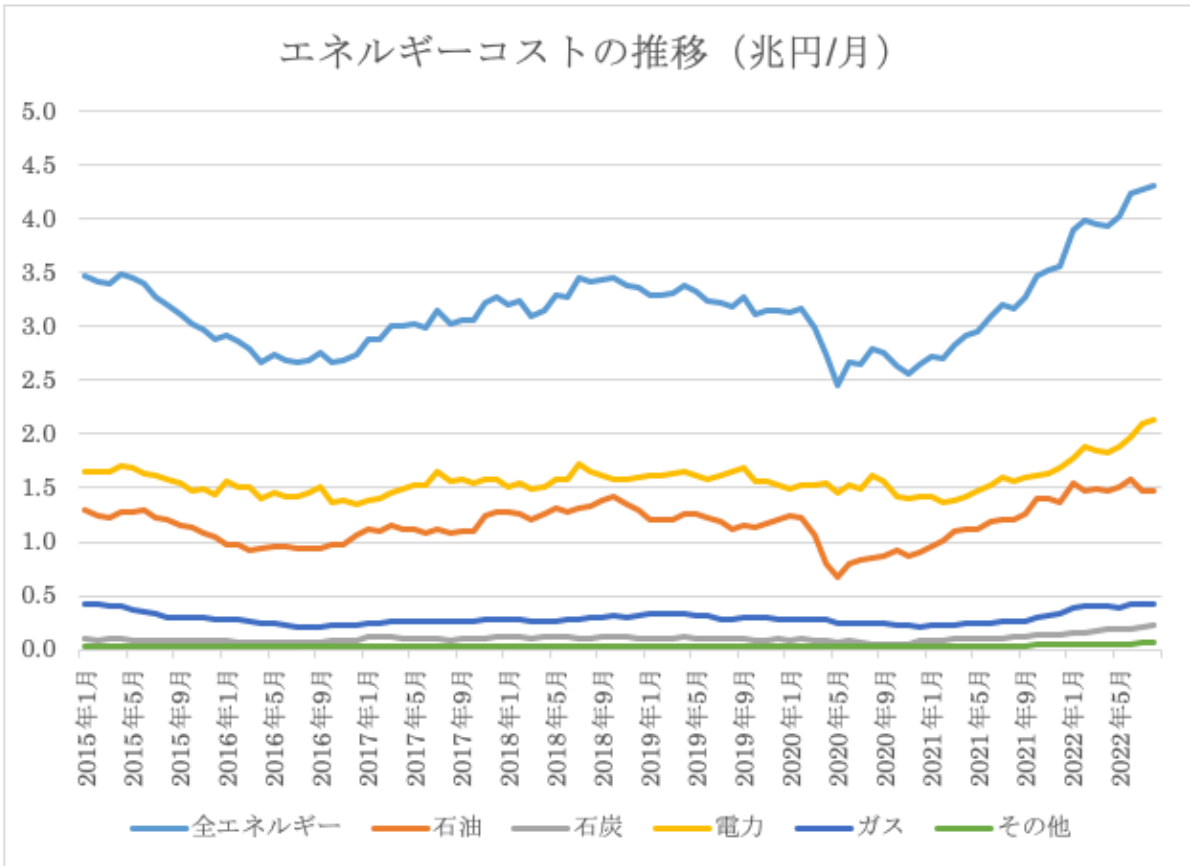
??25????????28????????????????

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

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?? ?? · Monday, October 3rd, 2022



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

????????SRZ1200????

?? ?? · Sunday, October 2nd, 2022

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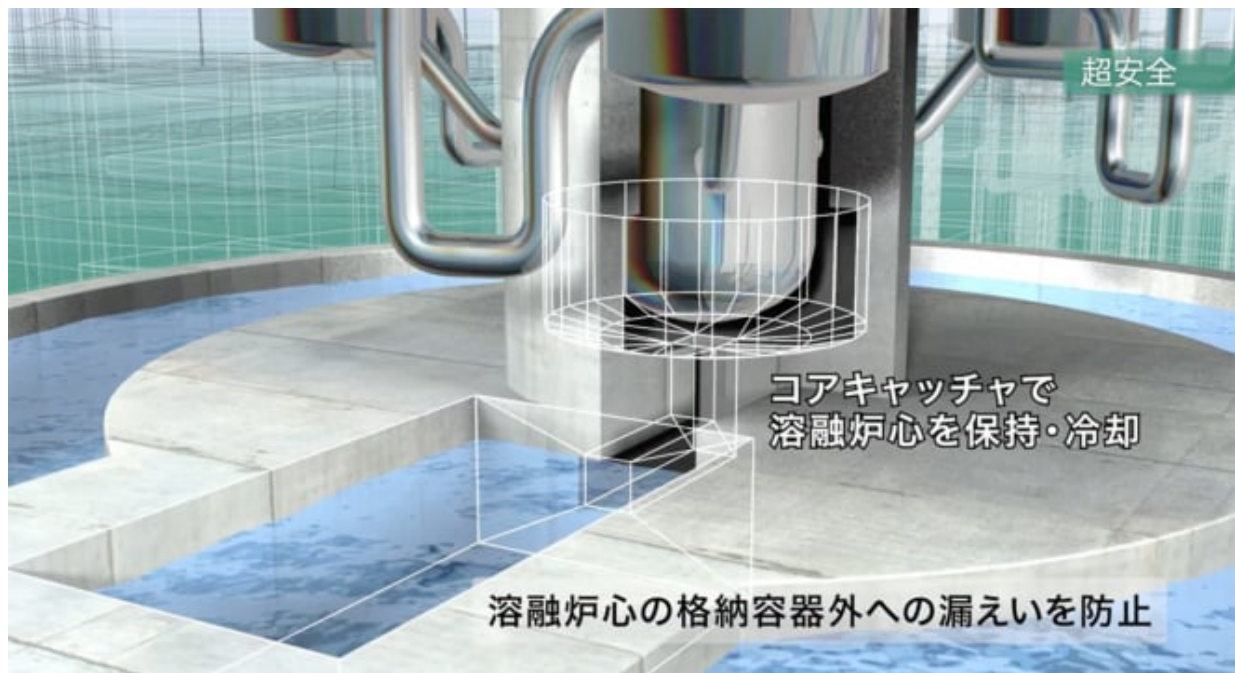
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SRZ1200?????

S????Super-safe????????????Sustainability?R????(Resilience)???Z????????Zero-Carbon????????

1200????????????????????120kW??



DiscoverMHI (Mitsubishi Heavy Industries, Ltd.)??

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

NHK????????????????????????????

?? ?? · Sunday, October 2nd, 2022



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?2020??CO₂????????????

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2021??8??2030????????????????????????????2030????????1kW
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??21????ESG????????????????????
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??JP????????????????CEO????????????????????????????????

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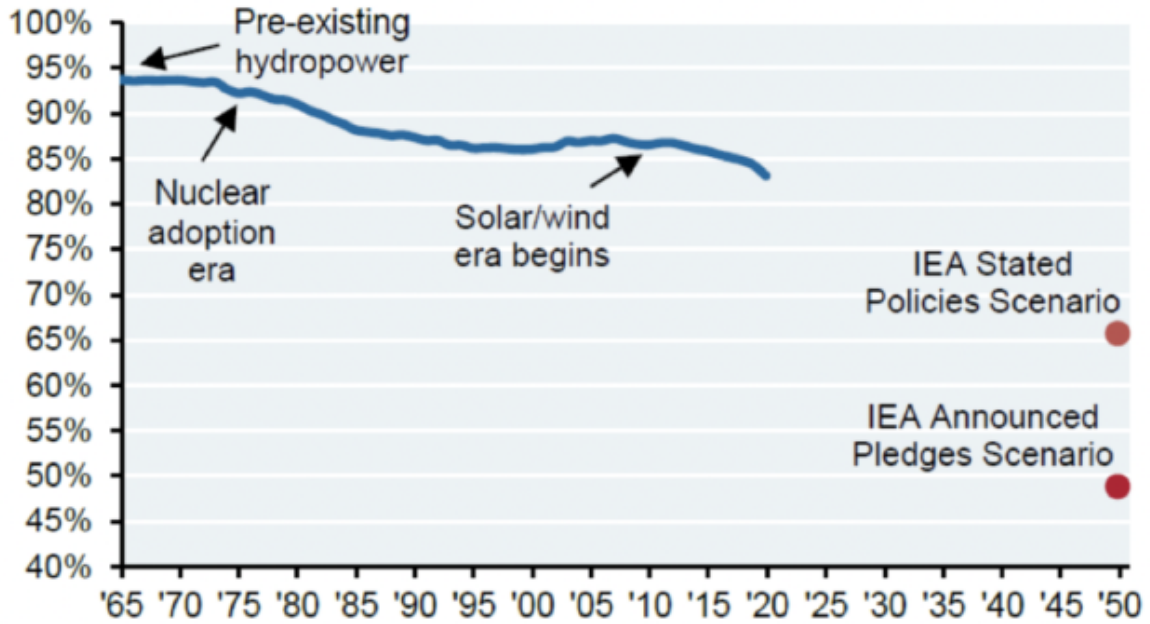
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The world uses fossil fuels for ~83% of its energy

% of global primary energy consumption from coal, oil and nat gas



Source: BP Statistical Review of World Energy, IEA, JPMAM. 2021.

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

NHK??

?? ? · Saturday, October 1st, 2022

9?25??NHK????????????????????????1.5????????????????????



Twitter??

10NHK
record 1.5

record 1.5NHK

NHK61.5

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NHKNHK

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1.5	1.5	1.5
46	46	46
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?1??1.5??2030?46????????????????2050????????????????1.5??
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????????2030????45????????????????????2030????????????????CO2????????????2030????????????

?1.5??ASEAN????????1.5????????????????????????????
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Posted in [??????????](#), [???](#), [?????](#) | [No Comments »](#)

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

?? ?? · Thursday, September 29th, 2022

2050????????????2030?CO2??ESG????????
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xijian/iStock

ESG?E??CO2??CO2????????????
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small smiles/iStock

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