

Global Energy Policy Research | GEPR

GEPR
<http://agorajp.com/>

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

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



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

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

????????????????3????????????4?15??

??

????????????????????????????????????24????????????????????????????????????

10??

????3????4?15??4?16????
??11?3????
????????

??

????????

??EU?3????????????????????????????????????
????????4????10????????????????1????????????????????????????????

????????6????????????????EU????????EU????????EU????????
????????????????????????????

????10?25??35????24.9
????????5?6??

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

????????10??11?4??
????????BASF?BMW??
????????

??CCTV????
??“????”??
????????

??
??

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

????????2??PCR?????D
NA??
??

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

??
??
????

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

??CO₂????????????
????40????????????????????????????????



hanibaram/iStock

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

????????????????????????????????IEEJ ????? 2023????????????????

????????2050??

??5????????2050??
??????????????????

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

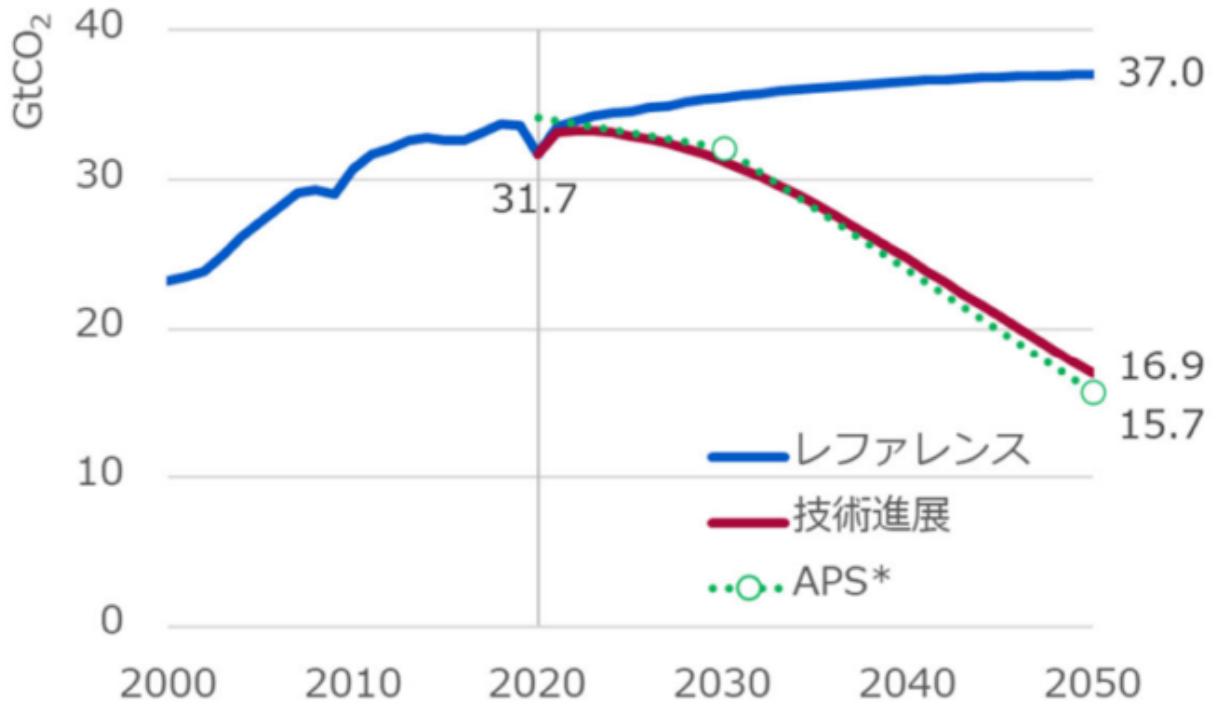
??2???

- ?????????????????????????
- ?????????????????????????

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

?2050

エネルギー起源CO₂排出量の見通し



IEEJ

CCS

0.1?

CO₂

IPCC 1 CO₂ 0.5 IPCC 2013 0.44

2020 2050

- 0.47?
- 0.35?
- 0.12?

2020 CO₂ 30 2050 30 1 0.5 0.5

2050 CO₂ 4 0.5 4 0.12?

CO₂ 0.12 CCS

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

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

????????????????????CO2????????????????56%????????????????????????????????????
????CO2????????????????

????CO2??

????????1992??

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

?

??
????????

?

??????????????_?? ?????????????????



Posted in ???, ????? | No Comments »

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

?? ?? · Thursday, November 3rd, 2022



bee32/iStock

?????GX????10?26????????10??150????????

??2009??3????????????????????????
????????????

??????20??GX????????????????????????????????????130????????????????????????????????
??

??

??150????????????????????????????

??????GX?20??
??????

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

??

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

?GX??

??

??

?

??????????????_?? ?????????????????????



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

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

?? ?? · Monday, October 31st, 2022

6????????????????

????????????26??

????20172973????????????????????????????????????6????????????????????????????????????10????????16
0????????????

????????????????ICBM??

?????????????
©?????

??5M
W??
??

7?????????

??

????????????????????????2017??6??
??
??

????????????7??
??

??

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

????????COP27

?? ? · Sunday, October 30th, 2022

11??7??18????????????????????????COP27????????????1????????????COP????????????17???????

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



Heiness/iStock

????????COP26????????

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

????????????COP???1?????2020?????2021????????????????????????????????1.5????2050??
????????????2030????45?????????2021?11??COP26????????????????2022????????????????????10??cr
itical decade????????????????????

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

??
?

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

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

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

??5????????????REPowerEU?6??G7??
????????????????????????????

????????????????????????11??
????????????

????????????????????????????????????LNG????????????????????????????????????
???????

??25/????????????????????????????????
??????????????

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

??17??SDGs????SDG13?????
????????????15????????????9????????????????????????????????????

9????????????G20????????????????????G7????????????1.5????????????????????????????????
??

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

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

COP27????????????????????COP26????????????????????COP27????????????????????
??

????????????????????2023????????????????????2030????????????????????????????
??

??
??

??1000????????????????????2025
??
????????????????????????????????????

??
??

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

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

??

Posted in ???, ????? | No Comments »

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

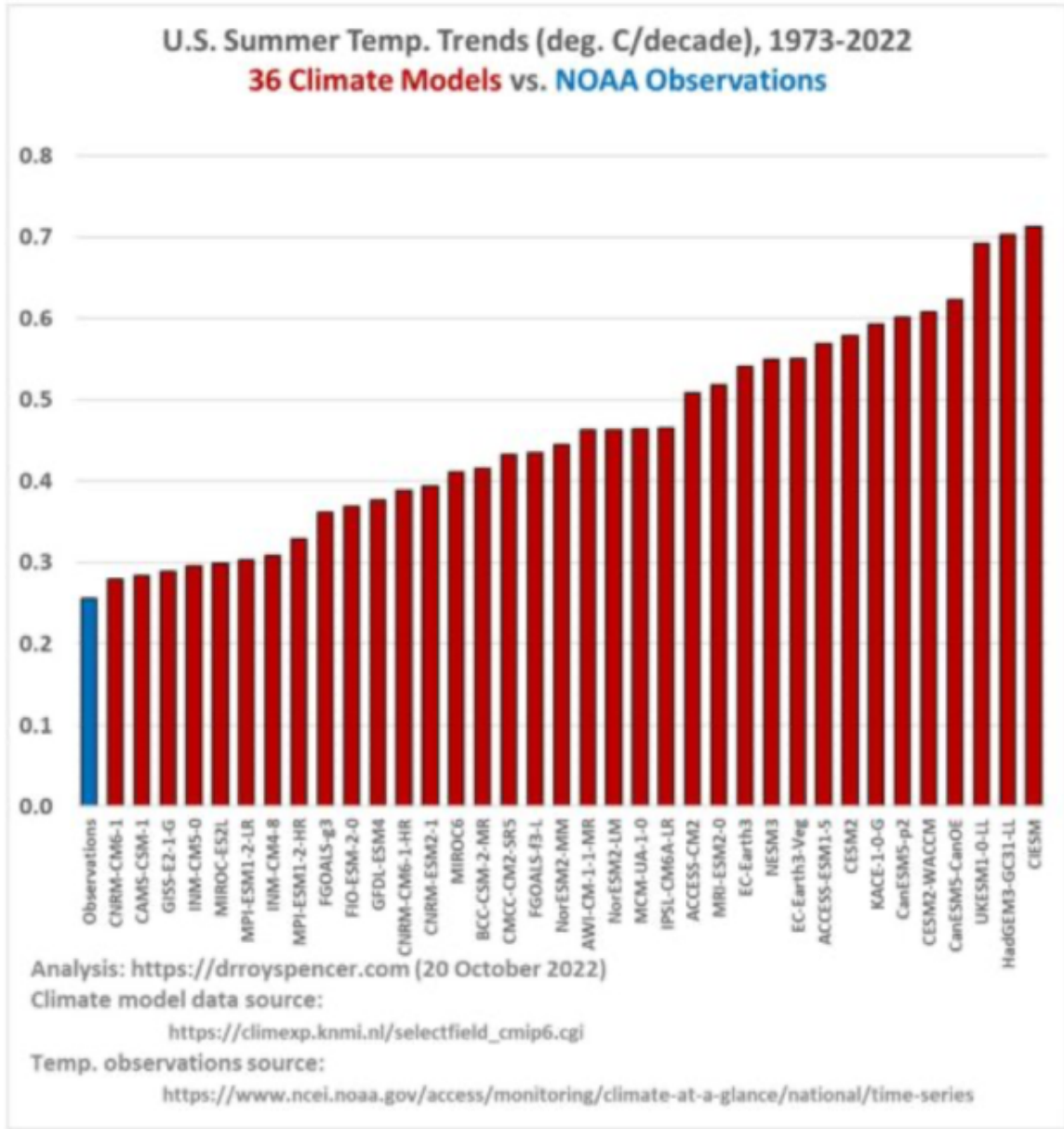
?? ?? · Friday, October 28th, 2022



Tr6/iStock

??

????????????????50????????????????????????6??8????????????????????



????????10????0.26????????????????3????0.71????????????

??

??

?

??????????????_?? ???????????????????





Posted in ???, ????? | No Comments »

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

?? ?? · Friday, October 28th, 2022



AleksandrVS/iStock

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

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

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

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

????????????????????????????????????NZBA????41????19????????????10?27????????????????????70????
10,500????????????39????NZBA????????????2050????????????????????????????????????
????????????????????

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

????????NZBA??NZBA????????????????????????????
??

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

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

????????1????????????????????????????????Consumers'
Research????????????????????ESG??
????????????????????

????????NZBA??
????????????????????NZBA?NO????????????

ESG Watch: Banks' net-zero pledges in the spotlight at Climate Week New York

????????ESG????????UBS????????

????????????????BLK????????????ESG????????????BLK?ESG????????????
????UBS????????????????????????????????700????585????????

????????????BLK????????3????ETF?MMF????????8????????????BLK????
????????????????

??

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

????????????????????????????????BLK????

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

????????????1860????????ESG????????8????????ESG????
????????????

Governor Ron DeSantis Eliminates ESG Considerations from State Pension Investments

ESG??NZBA????????
????????????

Posted in ???, ?? | No Comments »

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

?? ?? · Thursday, October 27th, 2022



RapidEye/iStock

????????????????Die Zeit????????????????100????????????????Bjorn
 Stevens??

??
 ???

??
 ???

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

?????=?
 alarmism??

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

??

??

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

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

??1????????????????

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

??
most alarming stories????????????????????????

??

??
far from certain??

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

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

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

??

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

??IPCC????????????????????
????????????????????????????

?????PIK????Stefan Rahmstorf??

??
??

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

????????????????????????????????????CO????????CO????????2????????????????????
2020?IPCC????????????????2.5?4??

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

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

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

??

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

??IPCC????????????2.8??
????????????

?

????????????????_?? ?????????????????????



Posted in ???, ????? | No Comments »

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

GEPR??? · Monday, October 24th, 2022

?? ??



Parradee Kietsirikul/iStock

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

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

??GHG
G??

????2050????GHG??20
50????GHG??

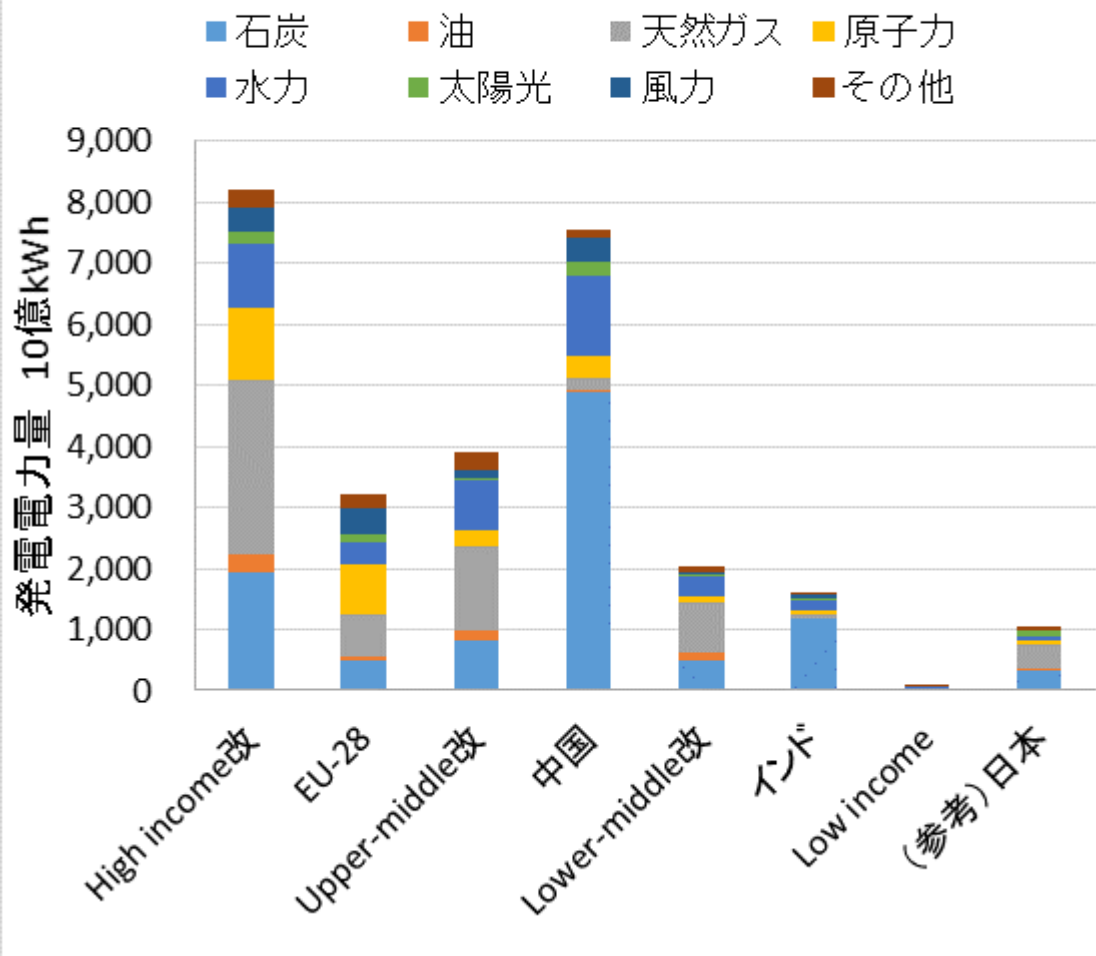
????2050?????????????????? ??

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

GHG??-6
?2019??IEA????????????????????????????
????????????????

図-6 発電電力量(2019年)

出所:IEAデータベース



76

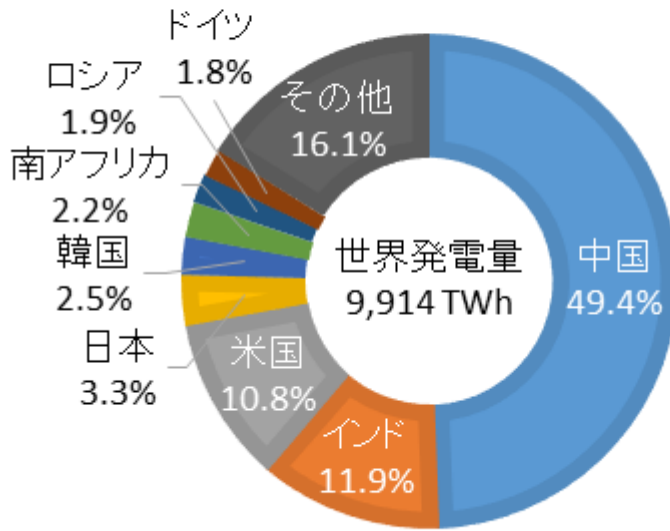
?-6????1????????????????65% ???-2?????????G
HG??

??73% ???2023??
??2019?????GHG????????????????????3?????????GHG????????????????????
???

GHG??-7??GHG????????????????
????????????????-6??

図-7 世界の石炭火力(2019年)

出所:IEAデータ



??

????????31.5%????????1970?????????????????????????????
????????????????????????????????GHG????????????????????EU-28????????15.4%????????

EU-28????25%?EU????14%????????BRICs????????

??

????????????????-6????????-2?????????????????????????????
????????????????????????????????GHG????EU????????

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

??

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

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

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

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

??

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

??

??

??2??20-30%??

??

????????????????????????GHG??Upper-middle income??Lower-middle income??

GHG????CO2????CCS????????????????????CCS????????????????????
??GHG?
????????????????????????????????CCS????????????????

????????????????????????????????????2050????????????2080??2100????????????

????2050????????????2080????????????????30????????????????GHG????????????
????????????????????????????????????

GHG????????????????????????????????GHG?????1%????????????GHG????????????
????GHG?????%????????????

??
??

????????2050?GHG????????????????????250????????????????30????????????
??

?

?? ??

????????????1970??kindle????????????
????????????

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

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

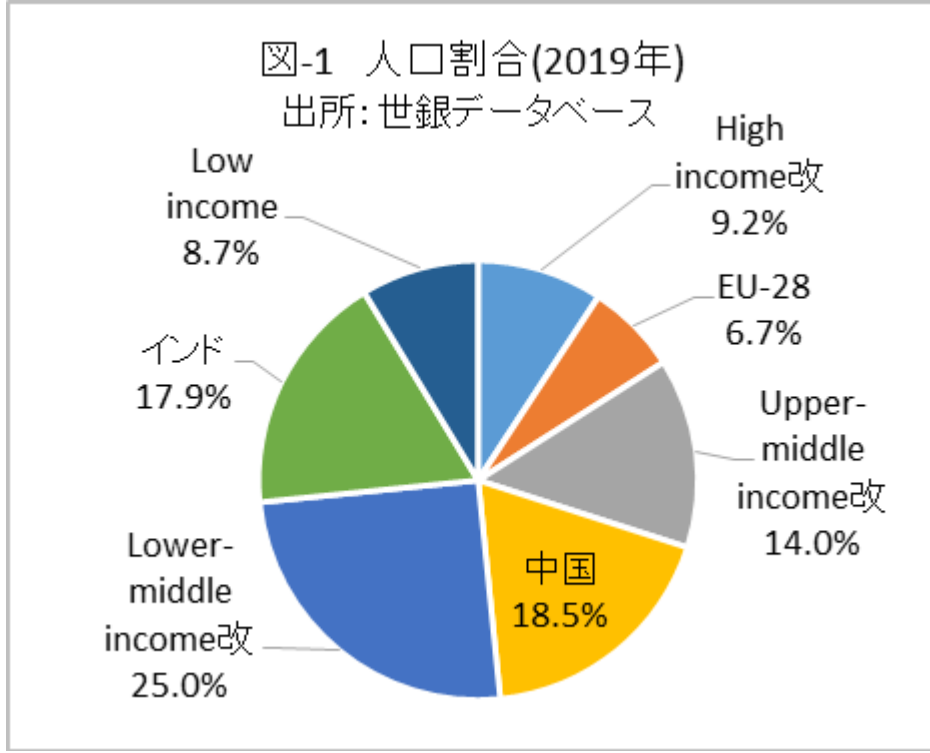
GEPR??? · Sunday, October 23rd, 2022

?? ??

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

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

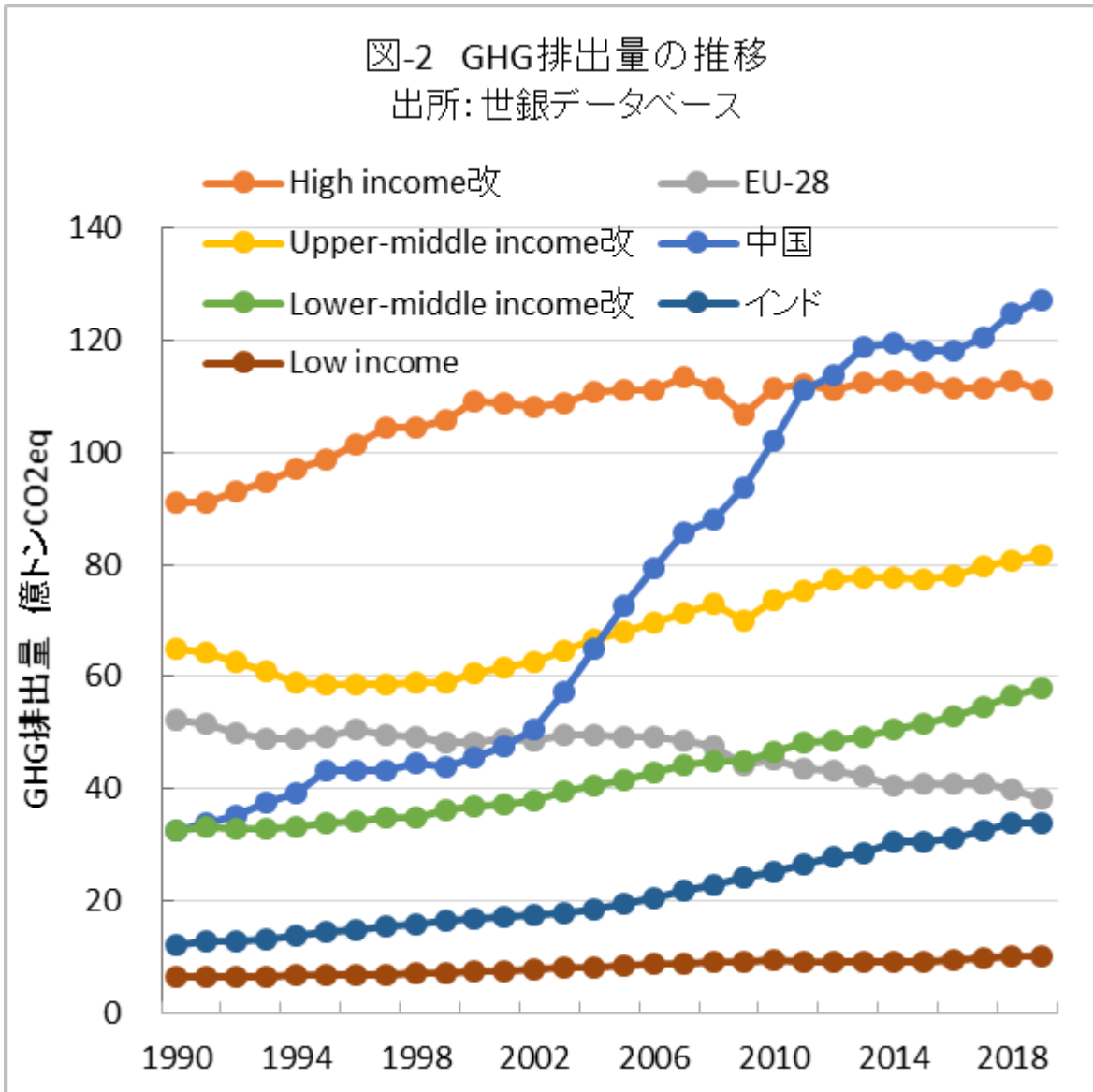
-1 2019 16%



?1

?GHG?2/3????

?-2????GHG?????EU-28?GHG????High income??2010????

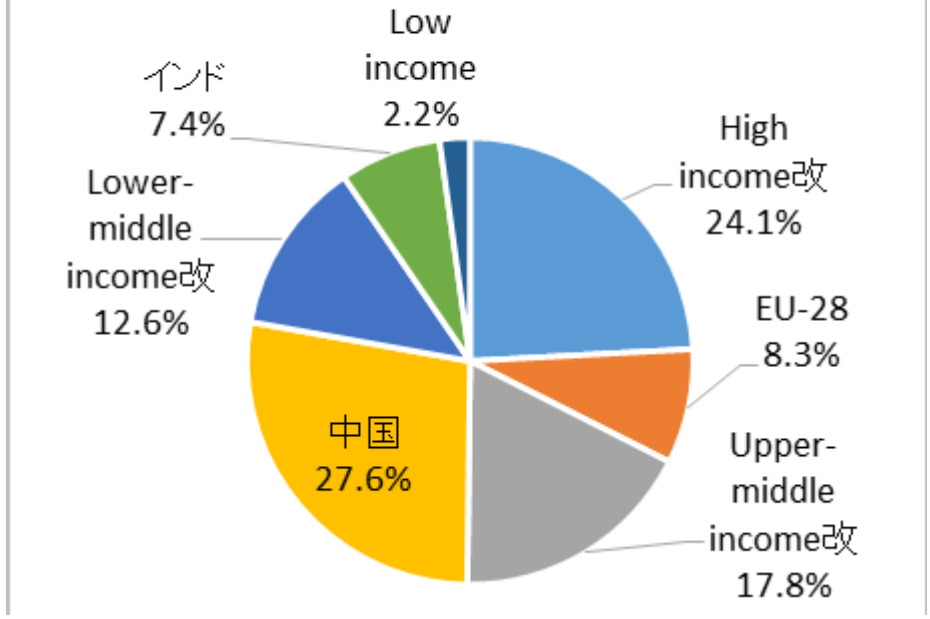


??

?-3?2019??GHG????????????????????1/3????????????????2/3????????????????GHG????????????2%??
????????????GHG????????????????????????????

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??
 ?GHG??????????EU??GHG????????????????????????????????
 ???

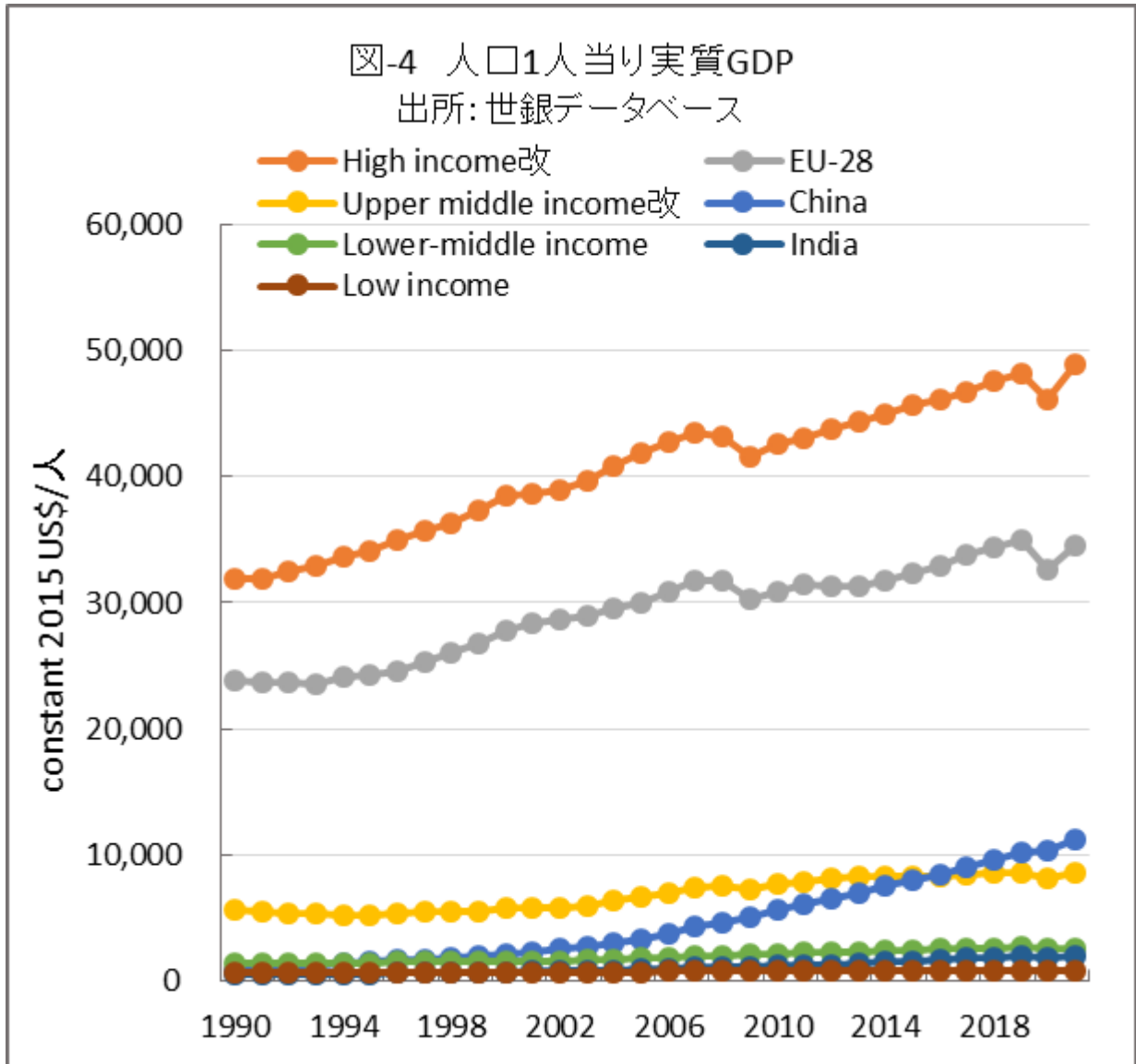
High
 income???2019?GHG??90%??????
 ??????2060?????2050??

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

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

2050?????GHG??

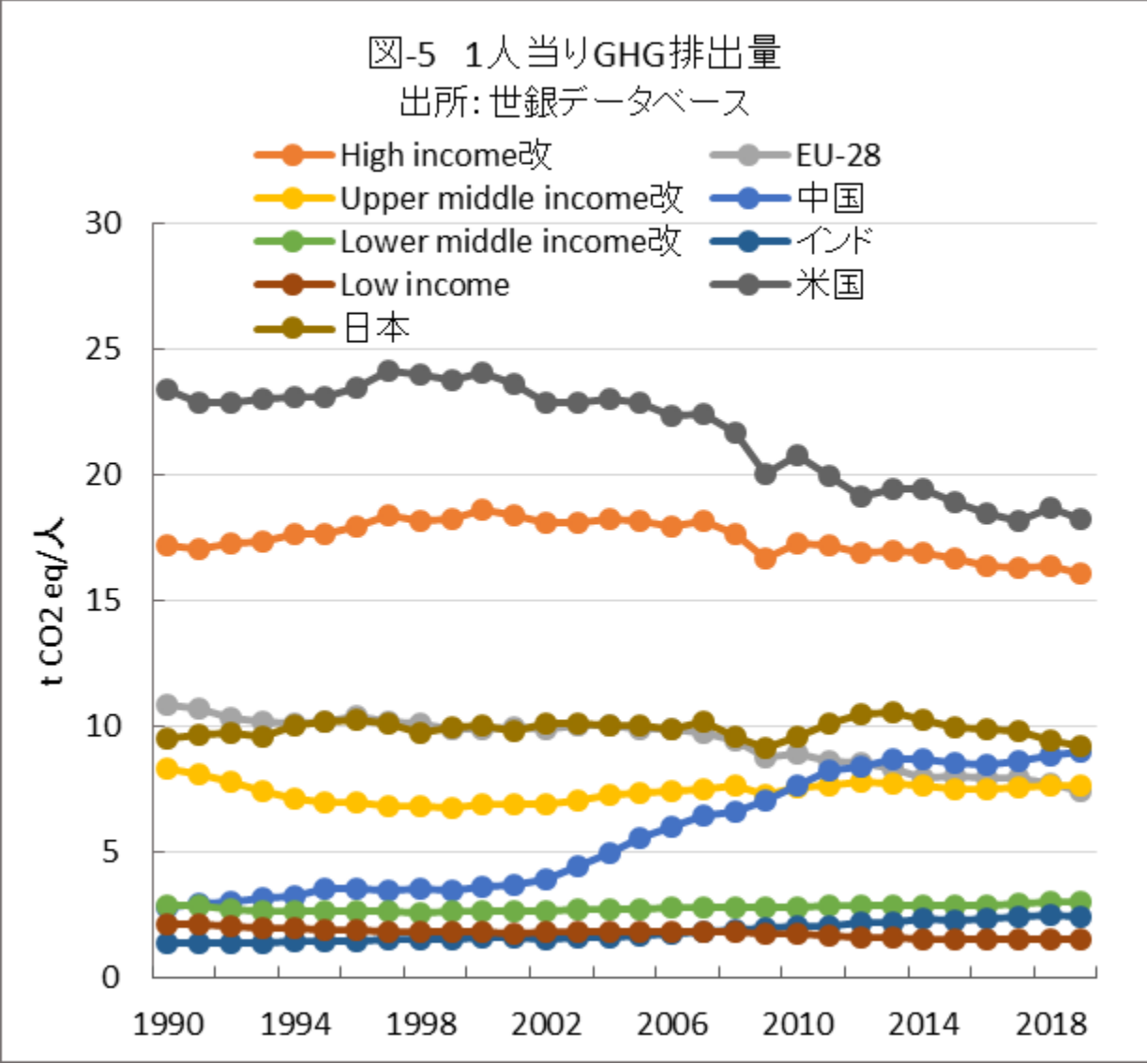
?-4??1?????GDP?????????????-1?????????GNI??GDP????????G
 DP?GNI?????????????????????????????GDP?GHG????????????????????????1????????????????????



?4

????????????1??GDP??
??

?-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????????????????????

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

??

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

????????????????????????21???CO2????????????????????GDP????????????CO2????????

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

????????????????????2050????????1.5????????????????????????????????????

??

??

???????

????????????2001????????WTO????????????????????????????????

????????2020????????????????????1????????3????????1000????6????????

??GHG????????CO₂????2030????????2060????????2030????????
????????30??CO₂????????????????CO₂????2060????????
??

1980??COP26????
??2070????GHG????????????????20????????30??GHG??????
???????

??????GHG?????1?3????????????????????????????????????
??

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

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

????STEPS?NDCs????????????????????????????????NZE?IEA?202
1?5????2050????????



LewisTsePuiLung/iStock

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



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??
???

?Tackling

Disinformation??COVID-19????????????????????????????????
????Google??

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

- ???
- ??????????Google??
- ??????????????????own?????

You Tube??TikTok?????????Team
Halo????????????????????

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

??

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

????????????1984????????Animal
Farm??
????????????????????

????Tackling
Disinformation????????????????WEF????????????????????COVID-19????????????????????????????
????????????????????????????

??

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

Posted in ???, ????? | No Comments »

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

?? ?? · Thursday, October 20th, 2022



ipopba/iStock

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

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

??6?10??



EU??

???????

??6?27?????????????????????ESG2.0??????ESG?????????????????????ESG?????????????????????
??



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

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



??

???????????

??9?9???NZAOA?????????????????????
??NZAOA???



??

???????????

??10?10?????????????????ESG????????????????????????COP26?????????????????????



?????????GFANZ????????????????JP????????????????????????????????????

?????????



???ESG????????????????3?????????

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



?????????????????????35?????ESG?????????????????

???????

?????????

????ESG??

??
????????????2021??

????????????2015??



???World Energy Investment 2022, IEA

????????2015????????????????????????????????????25?????????????

??75????????????????20????????????????????
??2021????????????????????????????
???????

??

???IEA?????????Net Zero by 2050????????2050????????????????????1.5????????????????????
????????????????8????????????????2050????????????????2????????2030????????3??2????????
????????????????

????????2050????????????????????????????????????IEA?21????????World Energy Outlook
2021??STEPS????????2030????????????????
????????????????8????7????1??

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

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

?? ?? · Thursday, October 20th, 2022



1?2050????????????2030??
??

2??

3???4?10?25??

?? | ?????? | ???

??2022?2??
??



MadamLead/iStock

??

??21??????
????????????ESG?????????????????...????2022?10????????????????????????????????
????????????????????????

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

??
??

?

?SDGs????????????????????????????????????

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

11??COP27????????????????????????????????

?? ?? · Sunday, October 16th, 2022

11?6??????11?18??27????????COP27????????

??



Asiya Hotaman/iStock

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

????????????COP26??/????????????

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

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

????????????????????????????????????COP????????????????????COP27????????????????

COP26??

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

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

- ?????????????????????COP27??
- ?????????????????????????????????????1??
- ???
- ???6????????????????10????????

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

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
????????????CEO??

????CEO??
????????????????????????????????CO₂????????

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



Posted in ???, ????? | No Comments »

??

?? ?? · Monday, October 10th, 2022

??????????

????????????????????????????????250????????????????????



??

????????????????????????????????????210??????????????

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



??3????????????1000?

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

??

????????????????????????2000????????20????????3????????????1000????2??????????????



bee32/iStock

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

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

????????????????????????????90??
????????????????????????????????

????????????30????????????????1??
??
???

??
??

??
??

????????70??
??
??

??
??



allanswart/iStock

??
??

??
??

1??
??

??

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

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

?? ?? · Tuesday, October 4th, 2022



Daniele Mezzadri/iStock

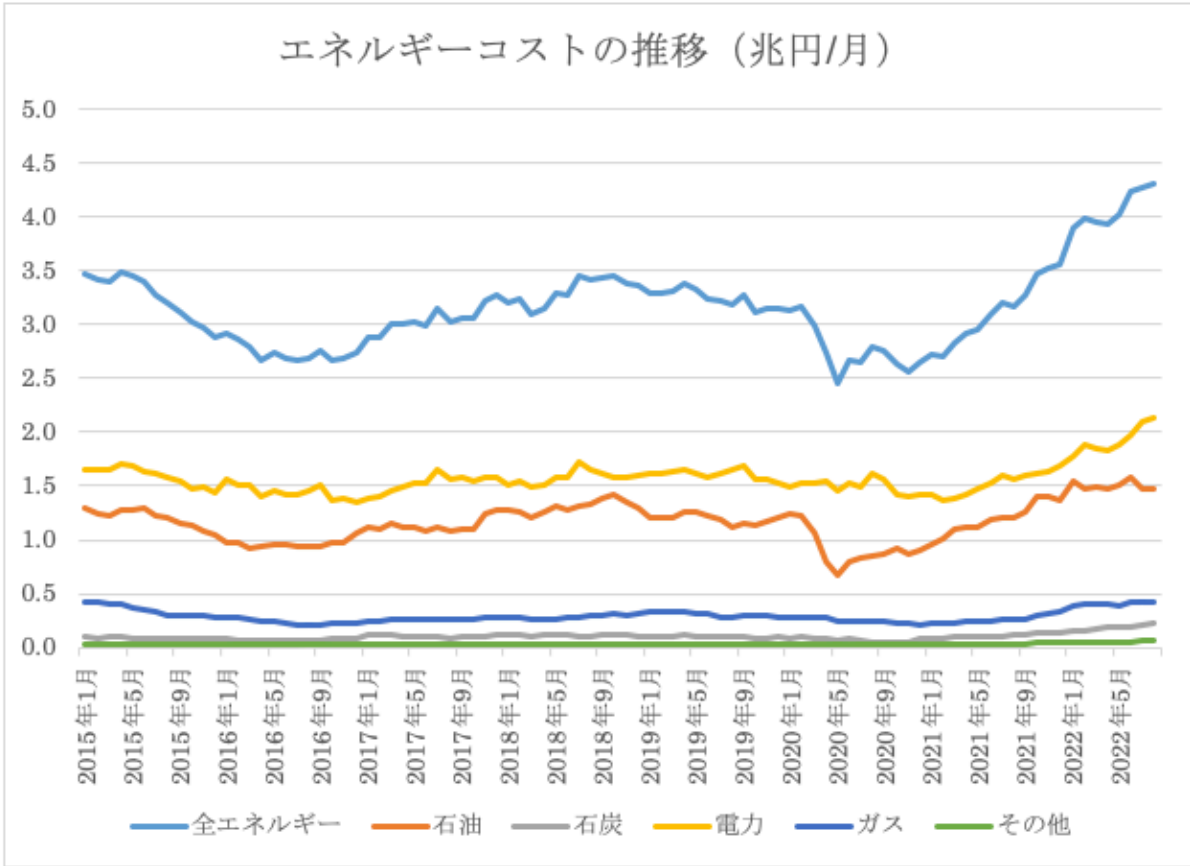
??25????????28????????????????

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

??
??

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

??



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

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

??2022年8月????????????????4.3????????????2.1??????

??
??

??

??

??

?

????????????????_?? ?????????????????



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

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

?? ?? · Monday, October 3rd, 2022



??

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



??

????????????????8??7????????????????????????????????9
5??????????????

??
??8????????
?

??

??6?21??????????

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

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

??



????3????29??
??
??????

??
??SDGs????????????????????
??????????

????????????????????????????????12????????????????7?4??????????????

??

????????????????95%??
??
?

????????????5%??
??????????????????????

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

????74??EU????????????????????????????

??

??

??

??

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

?

????????????????_?? ?????????????????



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

??????SRZ1200????

?? ?? · Sunday, October 2nd, 2022

????DX??

??????

??

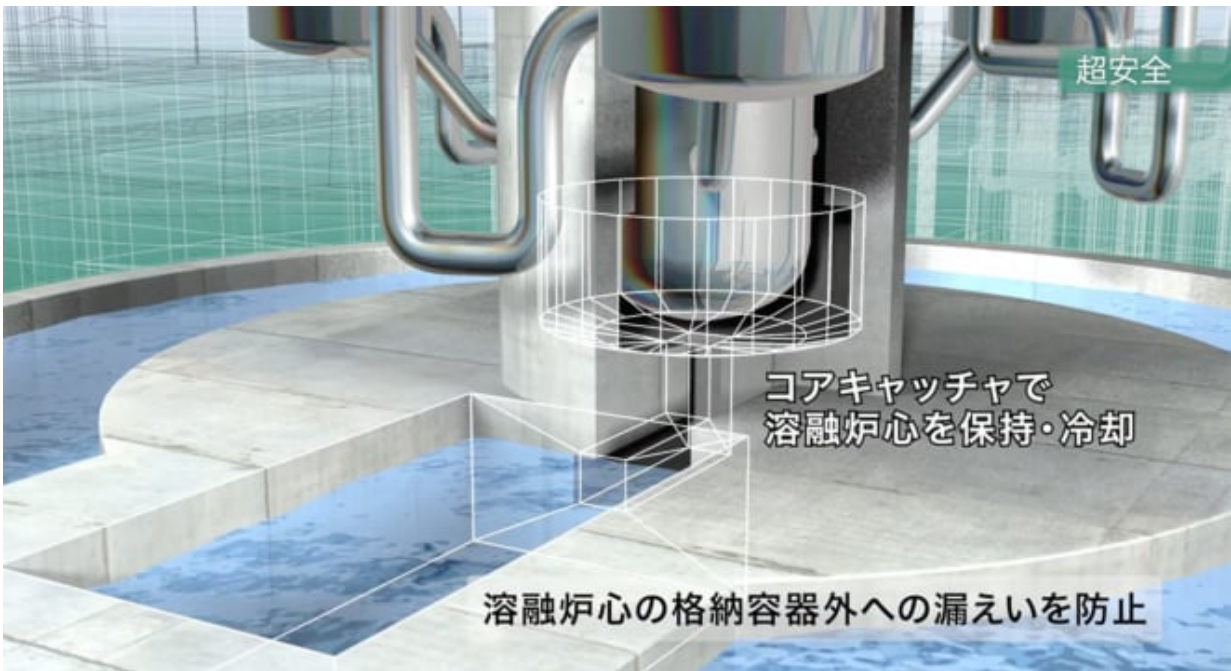
??

??????9?29????????????????????????????????4????????????????????????????????2030?????????
?????10?????????

SRZ1200?????

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

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



[DiscoverMHI \(Mitsubishi Heavy Industries, Ltd.\)??](#)

??

??

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

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

?? ?? · Sunday, October 2nd, 2022



???NHK??
 ???

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

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

?????5????????????????????????????????

??

?2020??CO₂????????????

??28.4??14.7??6.9??4.7??3.2??2.1??1.8??3.7??

?????????3.2?????????12?????????12????????????????????????????????????0.0003?????????

?????????????10??100??2025????????????GDP?2010????????????????

2??

??12????????????????????

??2050??1.5????
????????????1.5??

????1.5??

??

????????????????????????CO₂??
??

??

2021?8??2030????????????????????????????2030????????1kW
h????8.2?11.8??

????????????????LCOE????????????????LCOE????????????????????????????J.P.????????
????????????????????????????



????????????????LCOE??LCOE????????????????
????????LCOE??i)????????????????????
? ii)???????????????? iii)????????????????????????????????????

??LCOE??
?????5????10????????????????

??LCA????????????????1
0????????????????????????????????????

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

????????CO₂??
?????

??21????ESG????????????????????????
????????????10?350????????????????????ESG????????????????????

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

??JP????????????????CEO????????????????????????????????????

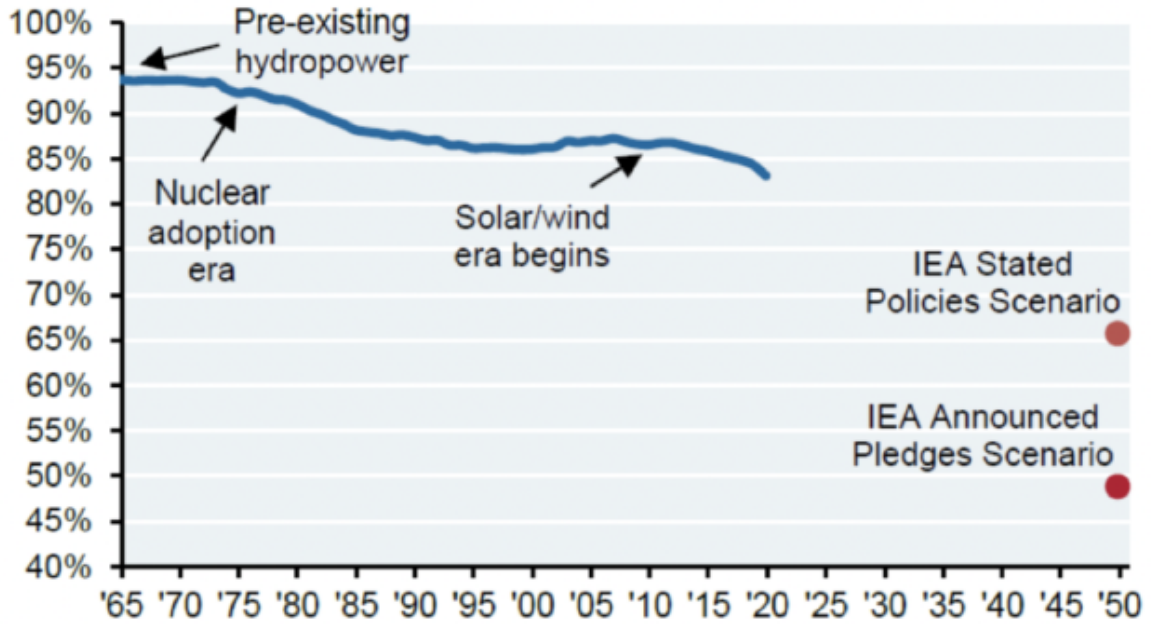
??
????????????????????????????????2015????????????????????????????
??

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

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

??BP?IEA????????????????????????????????
????????????????????

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??

NHK record 1.5

NHK record 1.5

NHK record 1.5

NHK record 1.5

NHK record 1.5

NHK record 1.5

NHK record 1.5

??	??????????	??
1.5??????	1.5????????	1.5????????
46??????	46????????	46????????
????????	????????	????????
????	????	????????

NHK record 1.5

??

?1??1.5??2030?46????????????????2050????????????????????1.5??
??

????????????????3????????????????????????????????????2050????????????????????????????????????0.00????????????1.5????
????????2030????45????????????????????2030????????????????????CO2????????????????2030?????????????

?1.5??ASEAN????????????1.5????????????????????????????????
????????????????????

?2????????????????2000??4????????????????????????
??

?3??
??

??2050????????????
????????????????????????????????????CO2??

??

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

??kwh??29?36????????????????
??

??

??
?100????????????????????????

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

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

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

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

2050????????????2030?CO2??ESG????????
?????????



small smiles/iStock

????2030????????????4??1????????????56??????1??????100????????????48??
??

????????????????????2025????????????????????????????????????150????????????????
????????????????????????3????????????50????????????????????????10????????????500????
??????

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

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

??

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

??OCI
NV??9????????????????????????????????????OCI????????????????????????????
????Volkswagen AG????????????????

??SA??
????2????????????????????????????????????

????????????????????BASF??
????????????????????

????????

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

?? ?? · Saturday, September 24th, 2022



halbergman/iStock

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

8?16??

??3.5????????????Build Back
 Better(?????)????????????????????????????????????10????7370????????4370????????????????????????3690
 ?????52??

??
 ???1????????????????????????????????
 ??

??2030????????2005????????????????40????????????
 ???CO2????????????????????2030????25????????
 ???

??50?52????????????????????????????
 ?????????????????10?12????????????????????

??
 ?????????????????6??
 ?????????????????

??

?? or EU????????????????

??3??3????????????44????2020????????????????????2
????????????15????????EU????????????????????????????8????3????????

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

????????????????????EU??CBAM????????
??

??EU????????????????????????CBAM????
????????????????????

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

??
??EU??

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

????????????????20??EU????????????????????
??
????????????????

??
????

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

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

?? ?? · Sunday, September 18th, 2022

????????????????1??103????????????????2????????????



??2005??
???Wikipedia

CNN???????????



??1??1????????????????????????????????
??

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



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

???KYODO????????J??
????????????????????????????????

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

2006??60????????????????????

2010??



??

??
??
???????

??9????????CO2????????????
????????????????????????????????????

??2????????IPCC????????
????????????????????

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

????????????????????????????????????10????????????????????
??

??10????????????????????
????????????????????????CO2????????????

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

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

??NGO????????
????????????????????????

??11????????????????
????????????????????????????

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

????????????????1960????????????
????????????????

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

????????????????2050????????21????
????????????????

????????CO2????????COP????CO2????????CO2????

CCS

CO2

12 CO2

10 15 CO2

FIT

13 CO2

(EV) EV

CO2

2050

14

3

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

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

?

Posted in ???, ????? | No Comments »

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

?? ?? · Thursday, September 15th, 2022



igorartmd/iStock

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

????????????????????????????7?????3?????

??

??

20??

??

??

??

?????EU?????????2??15?????????????10?????????

??

??????Fertilizers Europe?????????EU????????????????????????????????????

??

??

??

??

??

??

??

??
?????

??

??

?



herraez/iStock

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

CEO??

??40%????
??????????

??2.5????????????
??????????2.8??????????3.8??????

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

??

??????????????1973??

??

??

Posted in ???, ?? | No Comments »

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

?? ?? · Saturday, September 10th, 2022

ESG??
????????????????????????SDGs??2015????????
?????ESG????????????????????

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

?????ESG??



LumerB/iStock

8?16????21????????????SEC????ESG????????????SEC????????????
????????????????

8?23????????????????????ESG????????????

8?24????????????????????????????????10?350????????????6????????13??
????????????ESG????????????????

????13????????????????

????????????????????????????????????13????????????
??
????????????????????????????????

????????????10????????BNP????????????UBS ???????

????????????????????8?24????????????????????????????1000??
????????????

350????????ESG????????????????????UBS????????????

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



ESG
WV

11

824 WV ESG

WV 14

14

NOMURA ESG

9 Pew Research Center
12 53
65 12

ESG SDGs 21

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