

????????COP1????2020????2021????????1.5????2050??
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?5????REPowerEU?6?G7????

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COP27????

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

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??1000????????????????????????????????2025
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??COP????????????????????COP?????????
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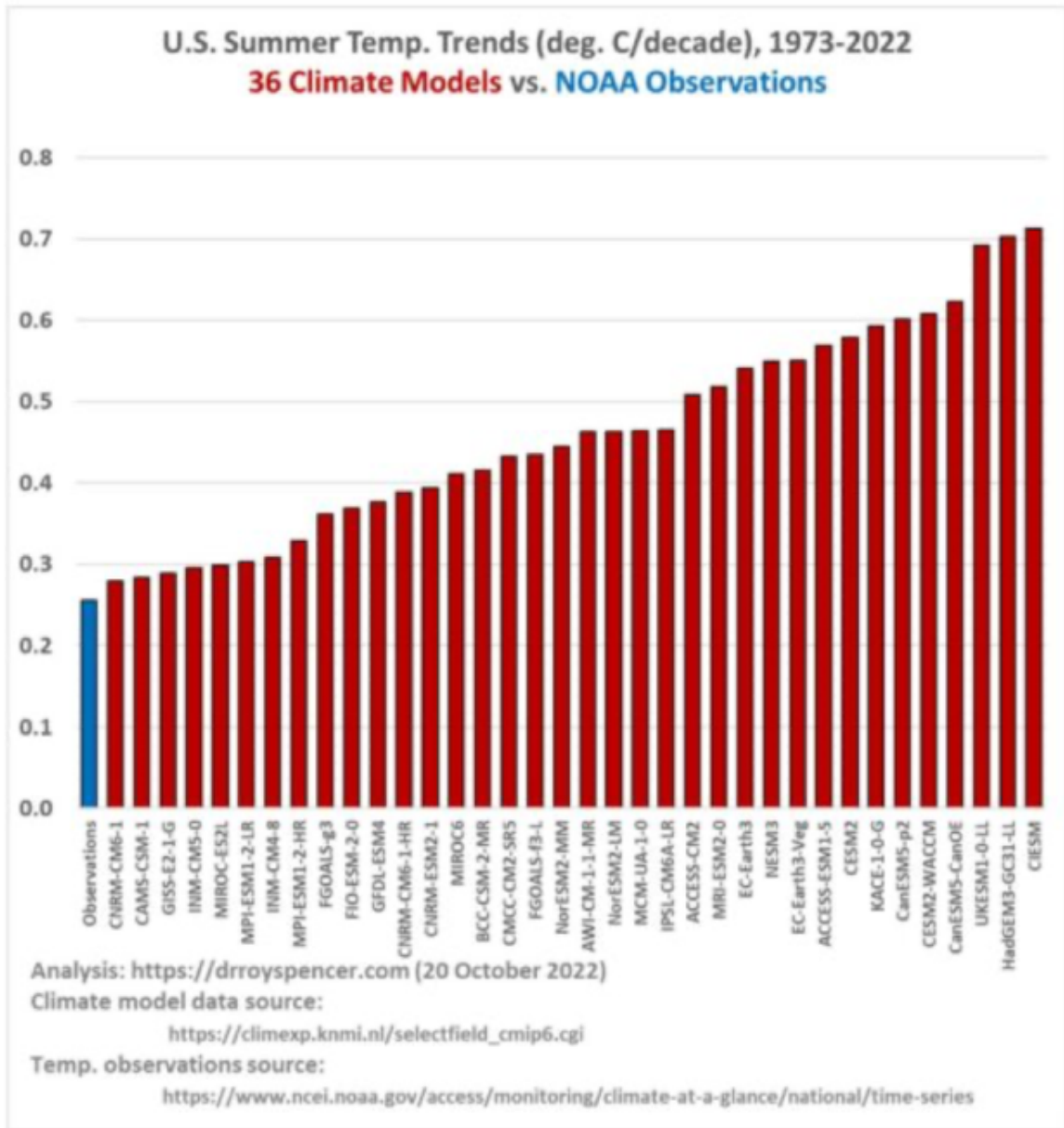
?? ?? · Friday, October 28th, 2022



Tr6/iStock

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

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

?? ?? · Friday, October 28th, 2022



AleksandrVS/iStock

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

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

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

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

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

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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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????UBS????????????????????????????????700????585????????

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

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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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Posted in ???, ????? | No Comments »

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

GEPR??? · Monday, October 24th, 2022

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Parradee Kietsirikul/iStock

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

??GH
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50????GHG??

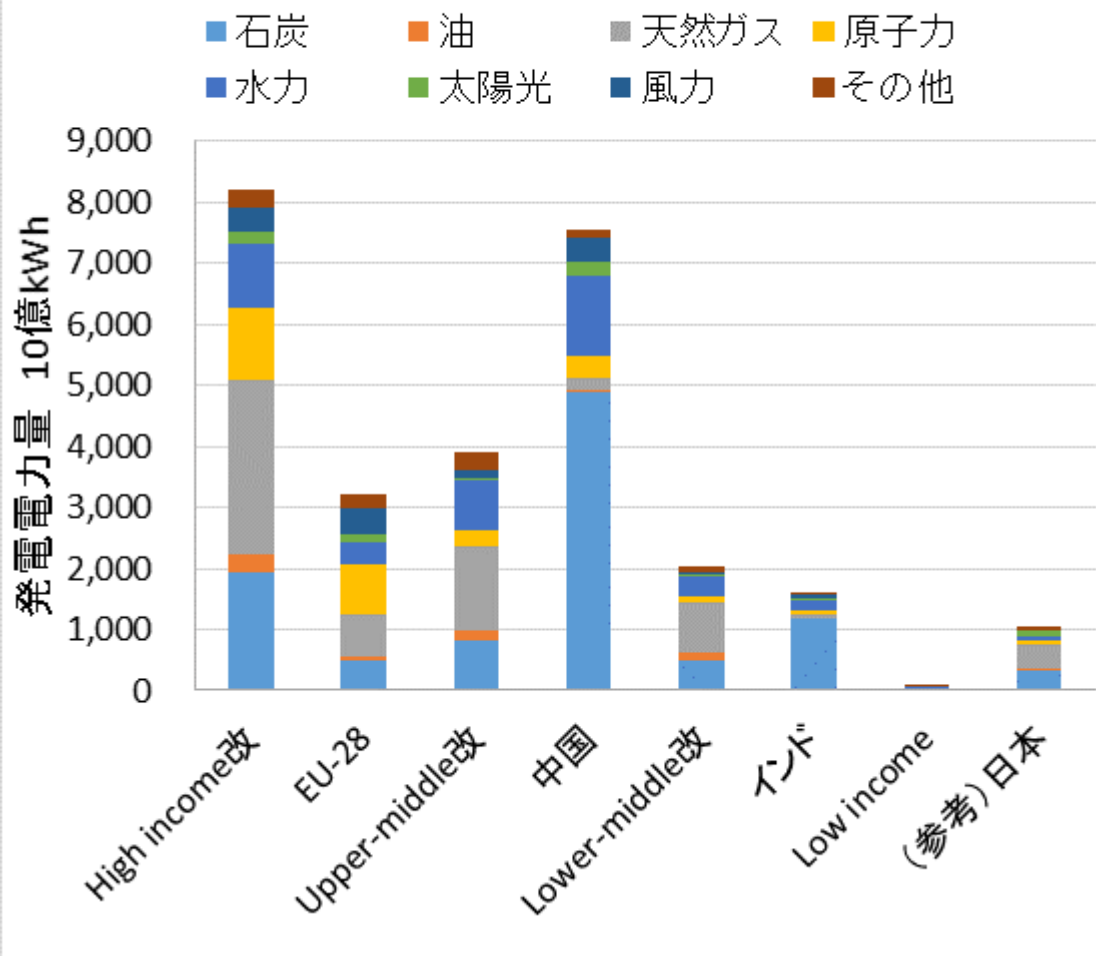
????2050?????????????????? ??

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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



26

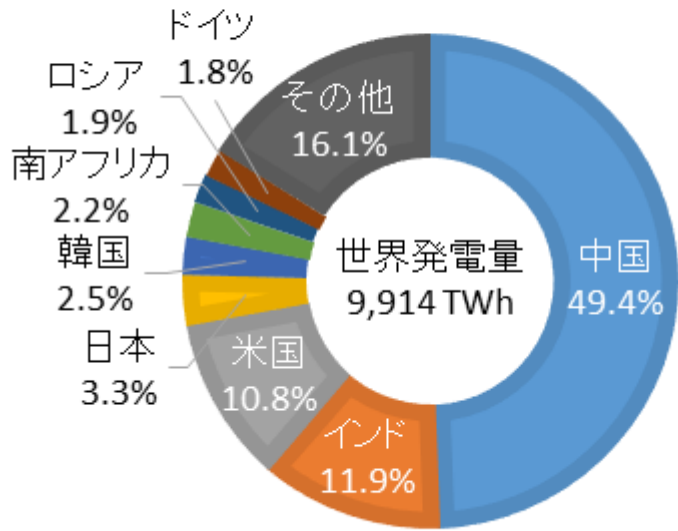
?-6????1????????????????65% ???-2?????????G
HG??

??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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4%????????????

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

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

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

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GHG??GHG?????1%????????????GHG?????????????????
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Posted in ???????????, ??? | No Comments »

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

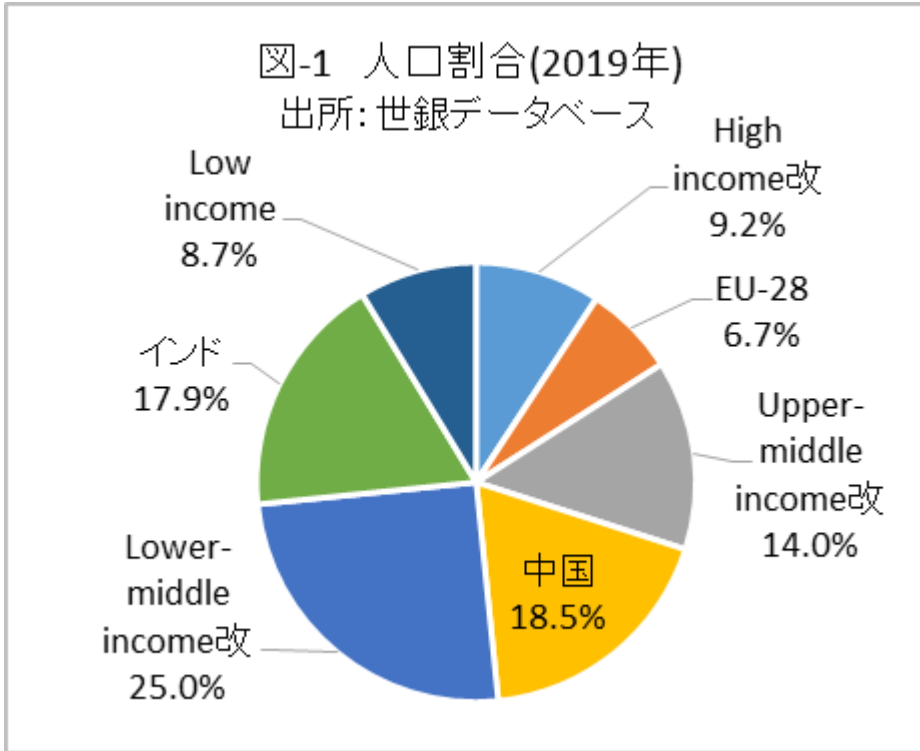
GEPR??? · Sunday, October 23rd, 2022

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

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

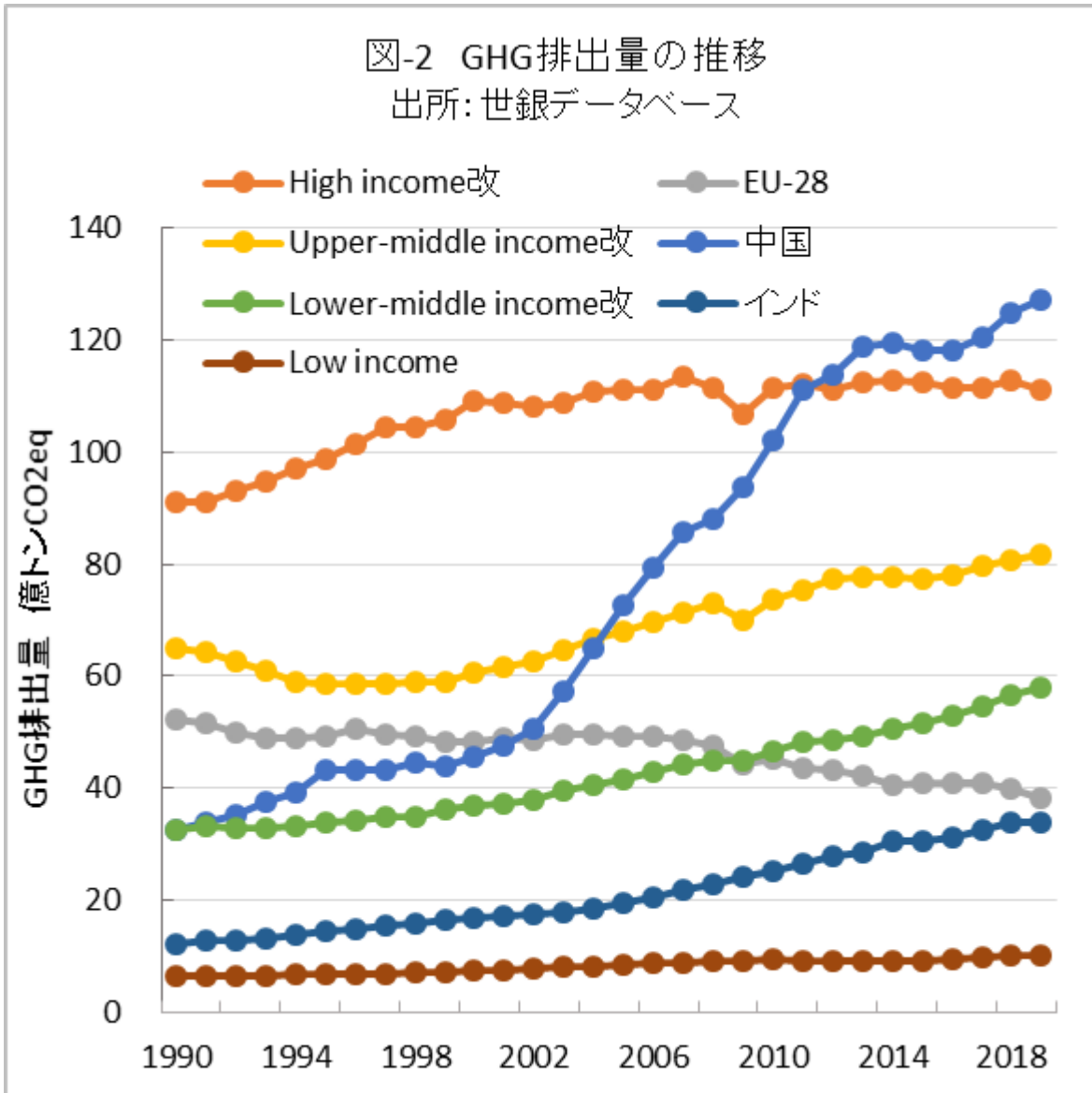
?-1?????2019????????16%?????



?1

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

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

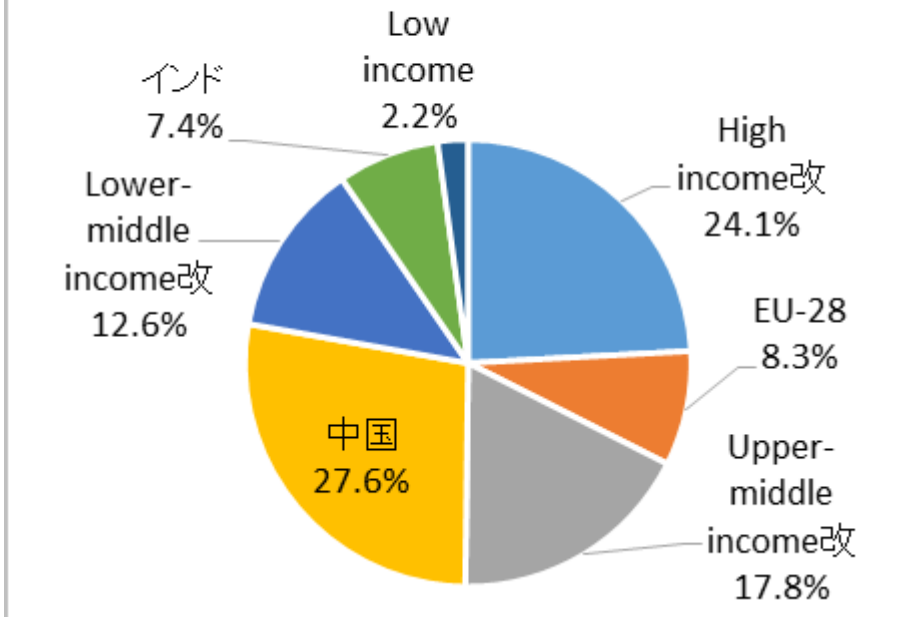


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?-3?2019??GHG????????????????????1/3????????????????2/3????????????????GHG????????????2%??
 ?????????????GHG????????????????????????????

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????????????????????????EU?????
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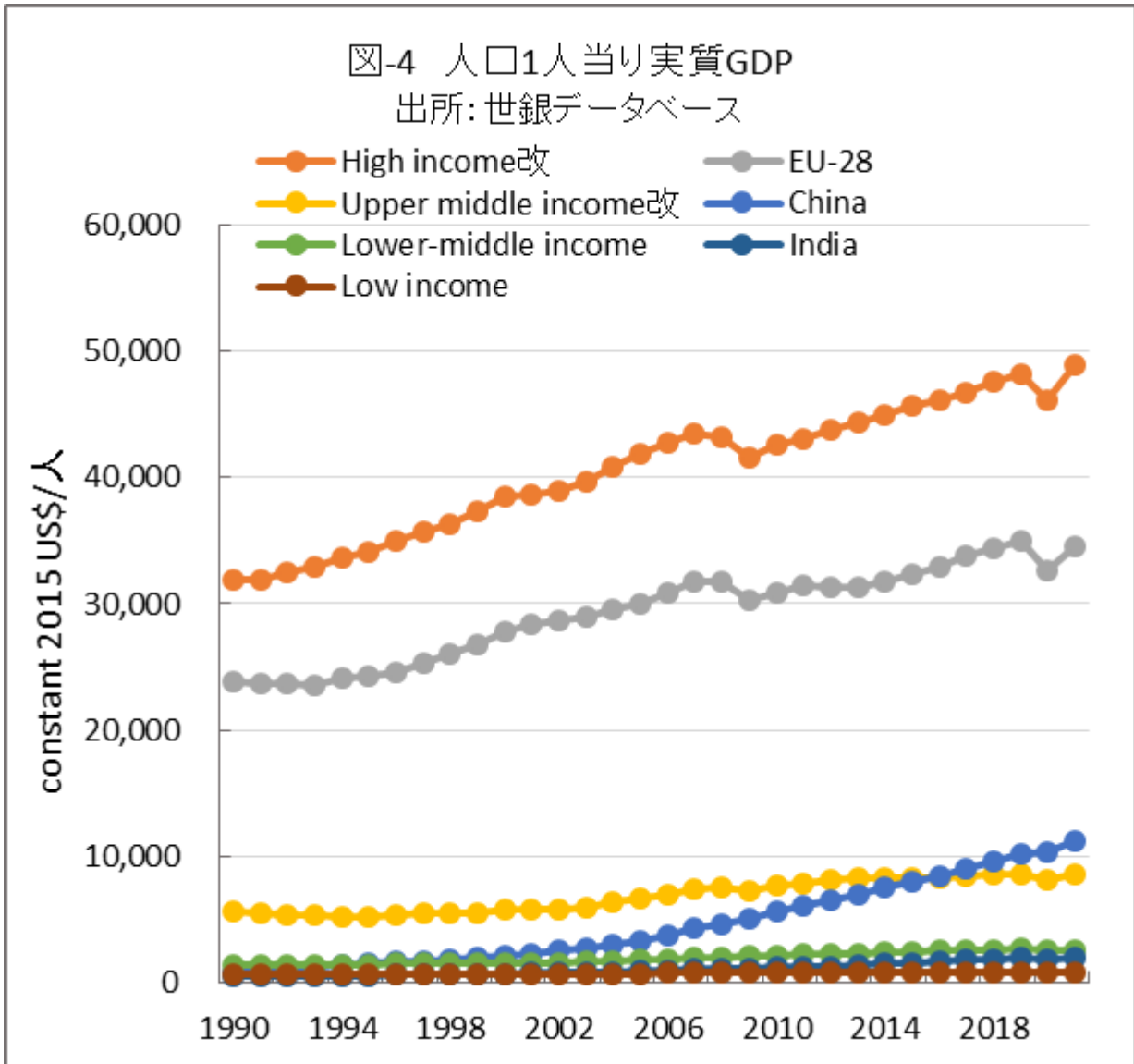
High
 income???2019?GHG??90%?????
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??GHG????????????????????????????????
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?GHG????????????

2050?????GHG??

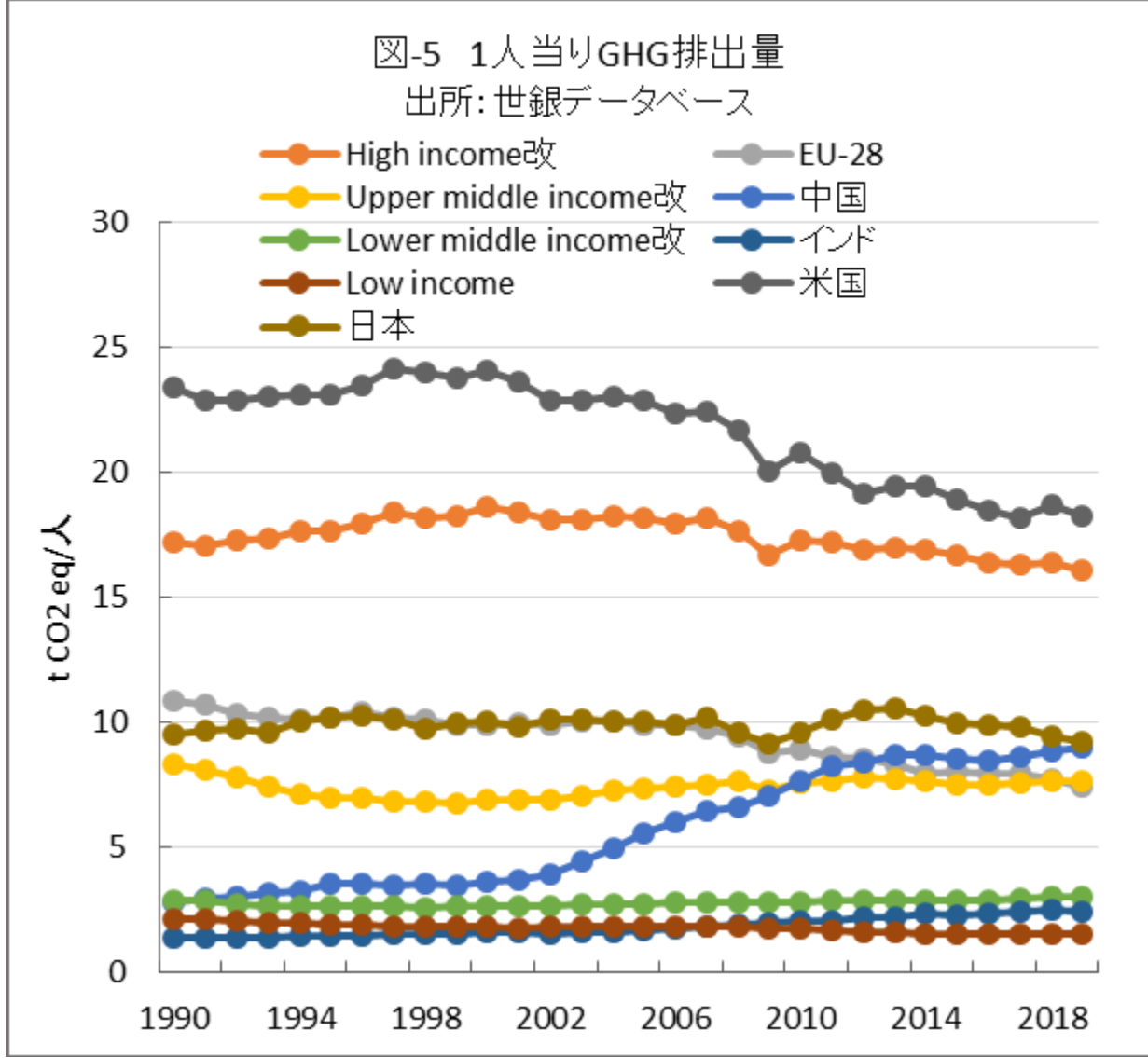
?-4??1?????GDP????????????-1?????????GNI????????????????????????????????????GDP?????G
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24

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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????
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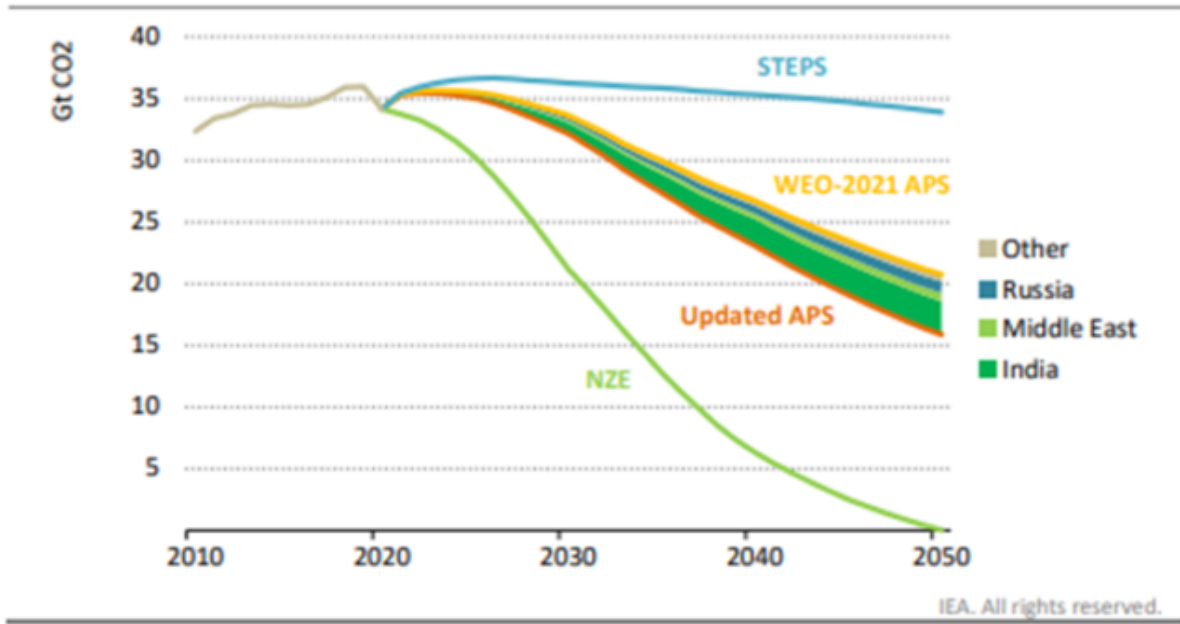
IEA??2050??CO2??????

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

Figure 1.1 ► CO₂ emissions in the WEO-2021 scenarios and emissions reductions from recent pledges



Note: Other = net zero pledge by Australia and commitment to the Global Coal to Clean Power Transition Statement by Indonesia. Middle East = net zero pledges by Saudi Arabia and the United Arab Emirates.

Updated APS CO₂ 2020 35 Gt CO₂ 2050 16 Gt CO₂ 75% STEPS 2020 2050 CO₂

2050 IEA GHG 2050 GHG

2050 GHG 2050 GHG

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1970 kindle

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????? "We own the science" ????????

?? ?? · Friday, October 21st, 2022



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.
pic.twitter.com/fMaPYsHGUT

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

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

?? ?? · Thursday, October 20th, 2022



ipopba/iStock

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

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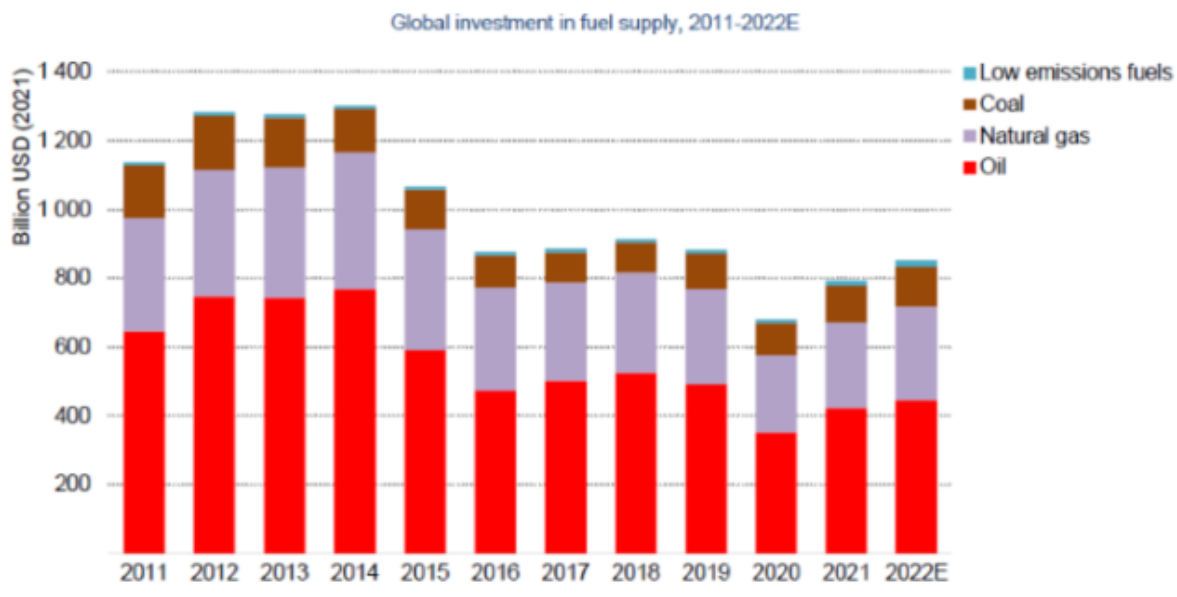
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??World Energy Investment 2022, IEA

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??IEA????????Net Zero by 2050????????2050????????????????????????????????1.5????????????????????????????????
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ESG 2.0

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

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?? ?? · Thursday, October 20th, 2022



1?2050????????????2030??
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MadamLead/iStock

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

?? ?? · Sunday, October 16th, 2022

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

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Asiya Hotaman/iStock

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

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

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??JPMorgan Chase
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‘Road to hell for America’: JP Morgan CEO snaps back at Rep. Taib on fossil fuels

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COP??26????COP????????????
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??COP27????????????????

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?? ?? · Monday, October 10th, 2022

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

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?? ?? · Tuesday, October 4th, 2022



Daniele Mezzadri/iStock

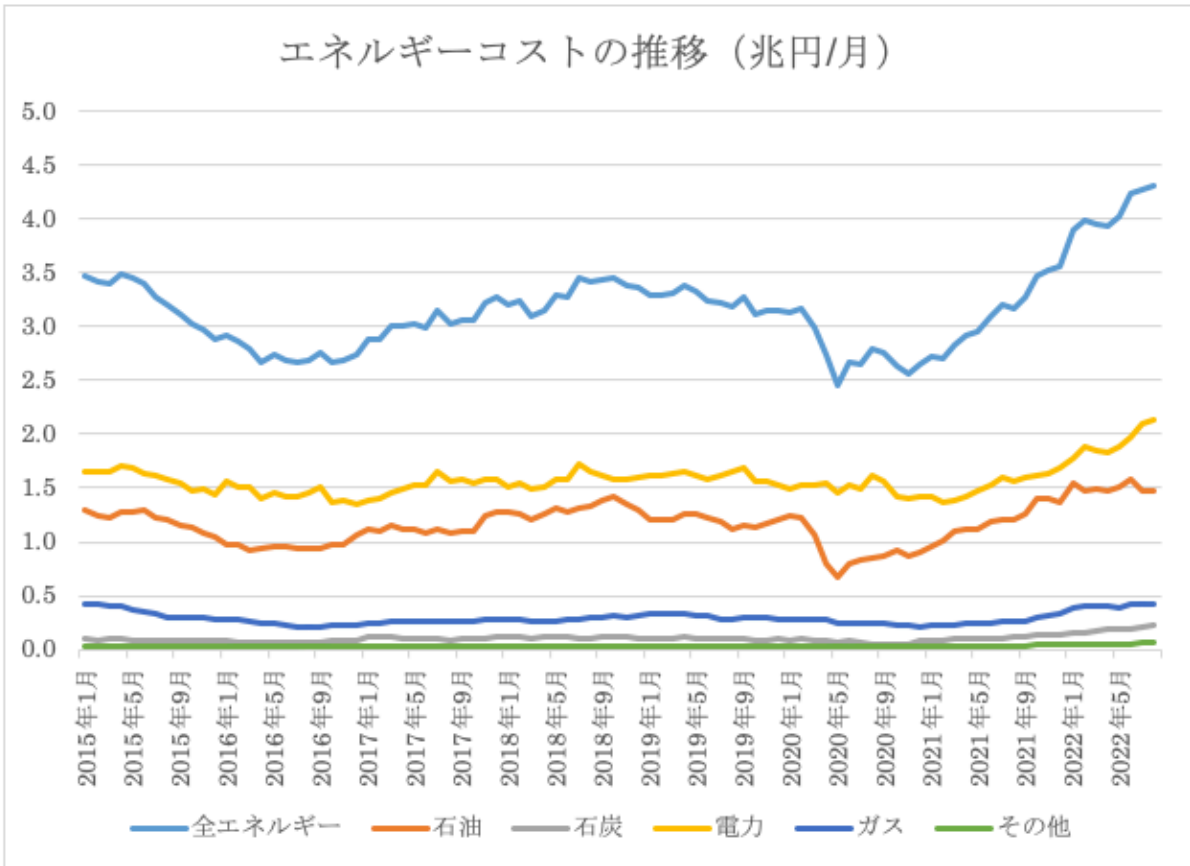
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?? ?? · Monday, October 3rd, 2022



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?? ?? · Sunday, October 2nd, 2022

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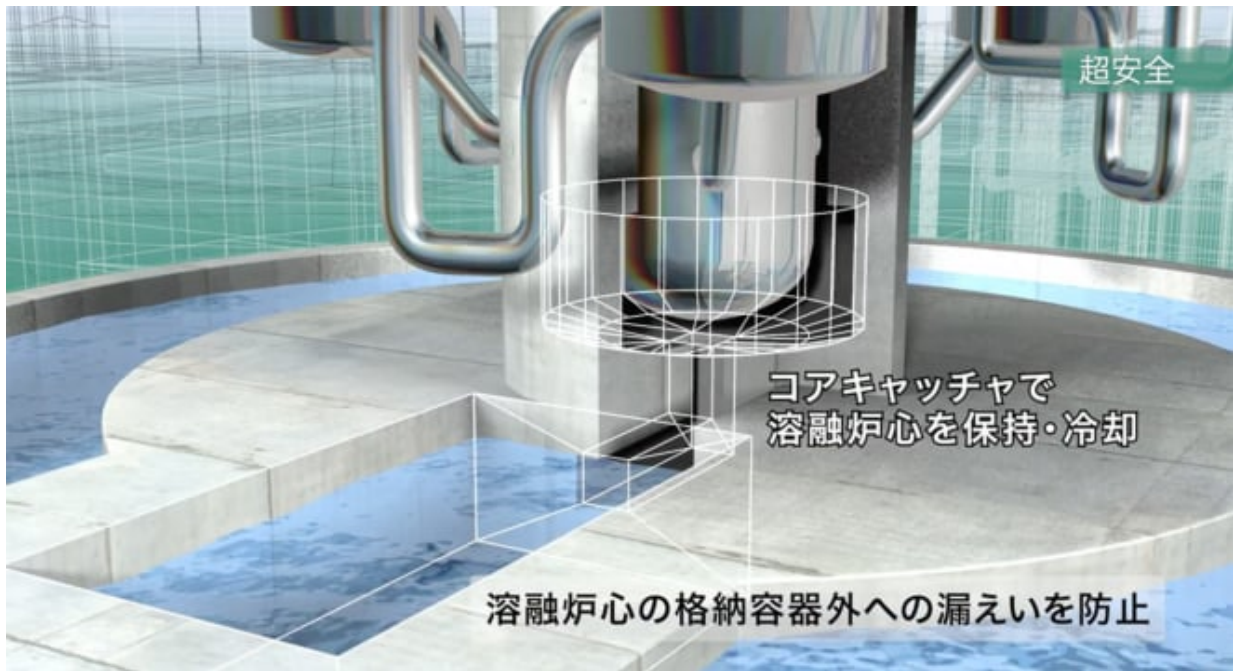
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S????Super-safe????????????????Sustainability??R????(Resilience)???Z????????Zero-Carbon???????????

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DiscoverMHI (Mitsubishi Heavy Industries, Ltd.)??

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

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

?? ?? · Sunday, October 2nd, 2022



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Twitter??

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

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

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

ESG?E??CO2????????????????????????????????????CO2????????
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???ESG?S??SDGs??
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??2022?6????????????????
??2022?9??EU??

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2021?10?22????????A????agricultural, solar and garment
sectors????3????2021.11.04????

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SDGs????????

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

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?? ?? · Monday, September 26th, 2022

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

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small smiles/iStock

????2030????????????4??1????????????56??????1??????100????????????48??
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?? ?? · Saturday, September 24th, 2022



halbergman/iStock

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?? ?? · Sunday, September 18th, 2022

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?? ? · Friday, September 16th, 2022



ayhan turan/iStock

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12 CO2

10 15 CO2

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13 CO2

(EV) EV

CO2

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



igorartmd/iStock

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?? ?? · Wednesday, September 14th, 2022

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herraez/iStock

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

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

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LumerB/iStock

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?? ?? ? ? · Friday, September 9th, 2022

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audioundwerbung/iStock

6 LNG
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 LNG

823 EU

2025

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?? ? · Saturday, September 3rd, 2022



ayhan turan/iStock

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1 30 0.2 0.3

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HP 10 1950 60 1993 30

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Posted in ??, ??? | No Comments »

LCOE

?? - Thursday, September 1st, 2022



vchal/iStock

IRENA J.P.Morgan

IRENA

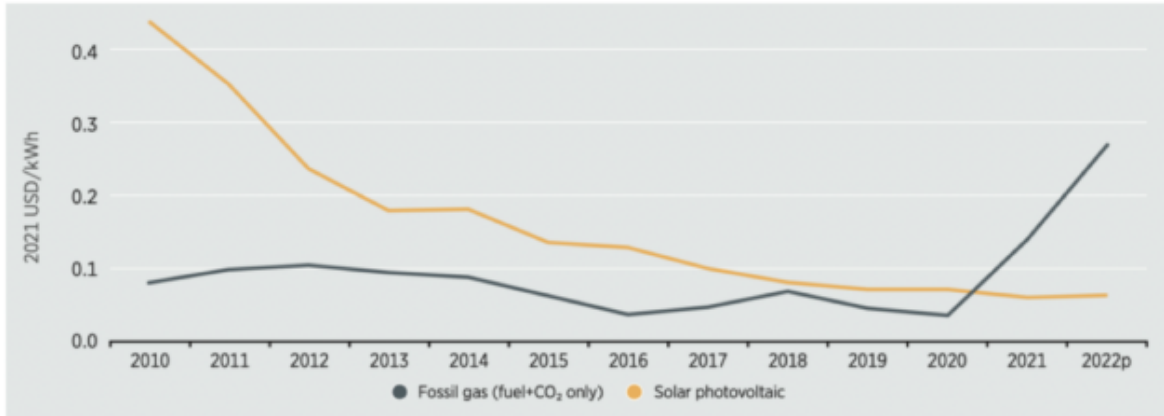
2022 13 IRENA 2021

Renewable Power Generation Costs in 2021 – Executive Summary (irena.org)

IRENA

- 2021 163GW LCOE G20
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Figure ES.3 The weighted average LCOE of utility scale solar PV compared to fuel and CO₂ cost only for fossil gas in Europe, 2010-2022



?????2021?8?????????????2030????????????????????

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2. J.P.Morgan?????

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12th Annual Energy Paper | J.P. Morgan Private Bank (jpmorgan.com)

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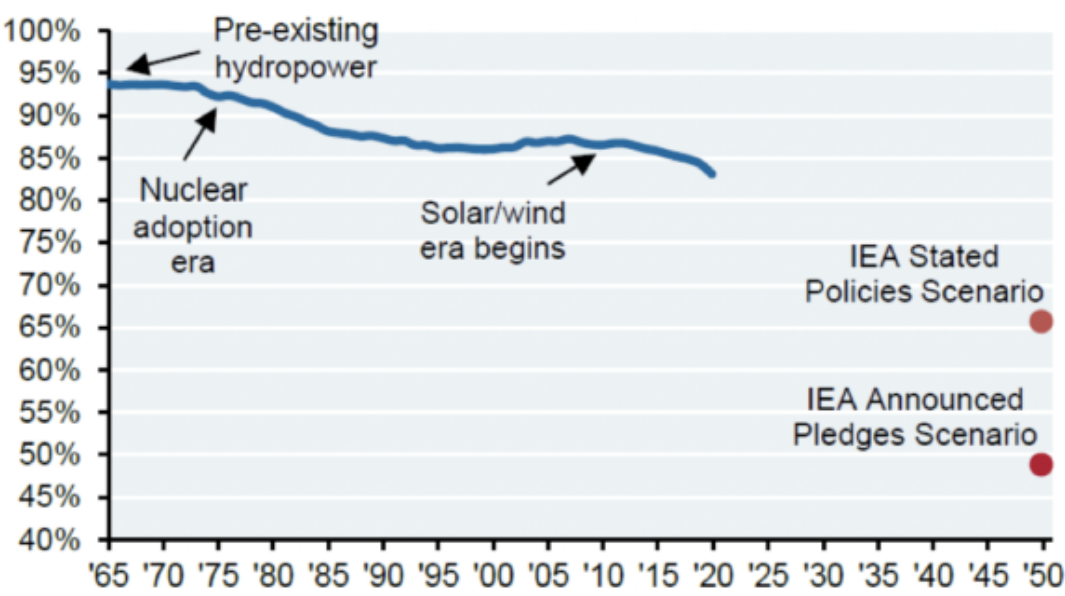
?2050??????

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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.

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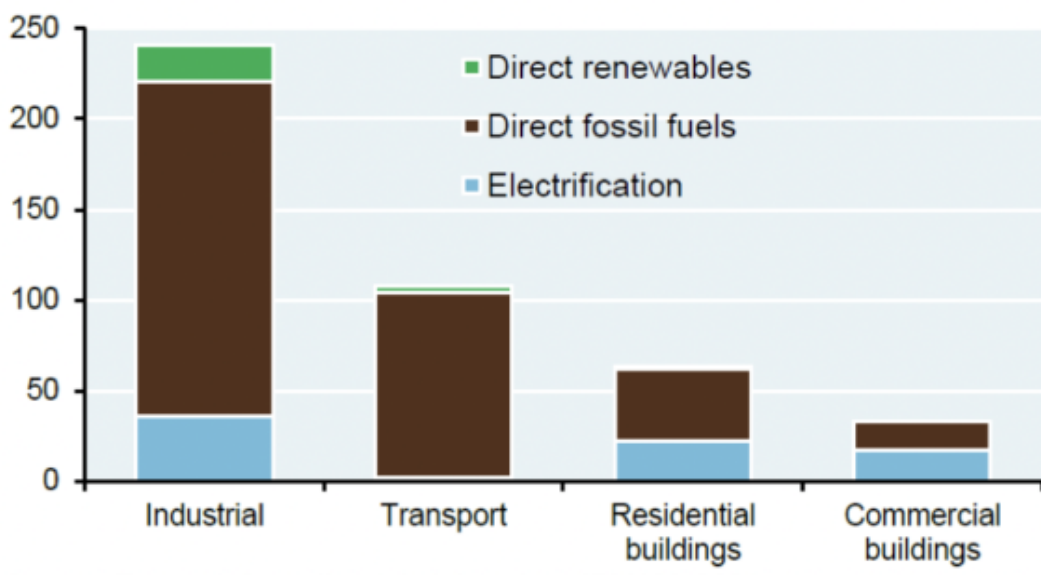
LCOE??i)???????????????????????????? ii)????????????????
iii)??

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Low levels of electrification in global industry and transport

Quadrillion BTUs of final energy consumed by sector

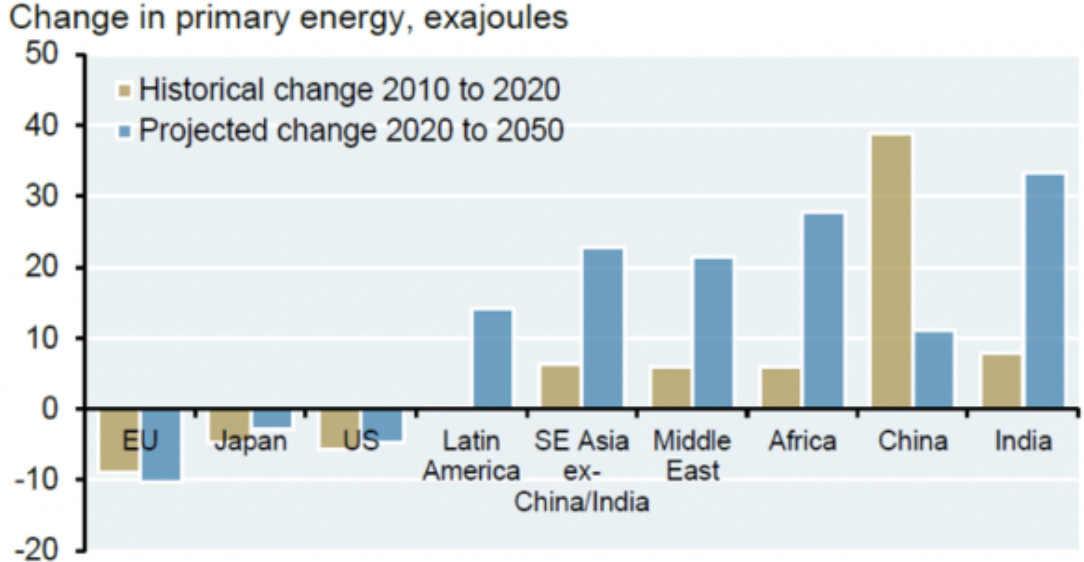


Source: Energy Information Administration, JPMAM. 2021.

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China is the only EM country projected to slow primary energy consumption growth over the next three decades



Source: International Energy Agency Stated Policies Scenario. 2021.

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3. LCOE??FCOE?

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

?? ?? · Monday, August 29th, 2022



imagedepotpro/iStock



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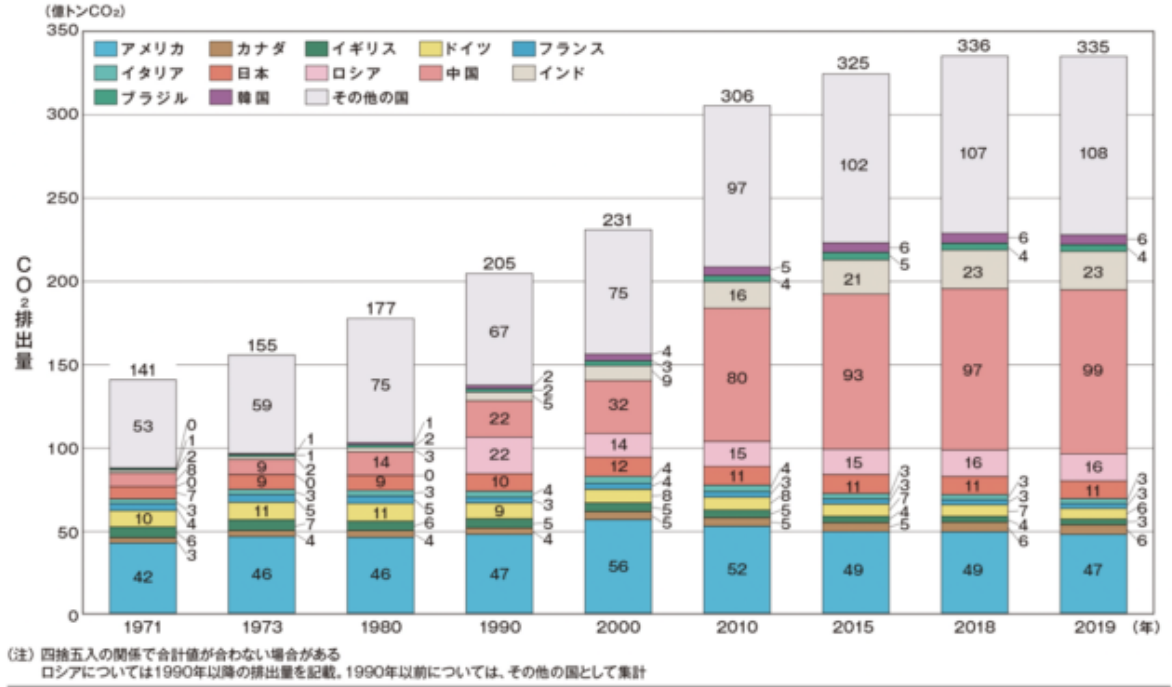
COP????????????????????26??

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世界のCO₂排出量の推移



2-1-4

原子力・エネルギー政策

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