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

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

?? ?? · Sunday, October 2nd, 2022

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????????9?29????????????????????????????????4??2030????????????
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SRZ1200?????

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

2030????????????

SRZ1200????????????????????PWR??2030
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SRZ1200??
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3.11??
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Posted in ???, ?????????? | [No Comments »](#)

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

?? ?? · Sunday, October 2nd, 2022

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

????????????????LCOE????????????????LCOE????????????????????????????????J.P.????????????
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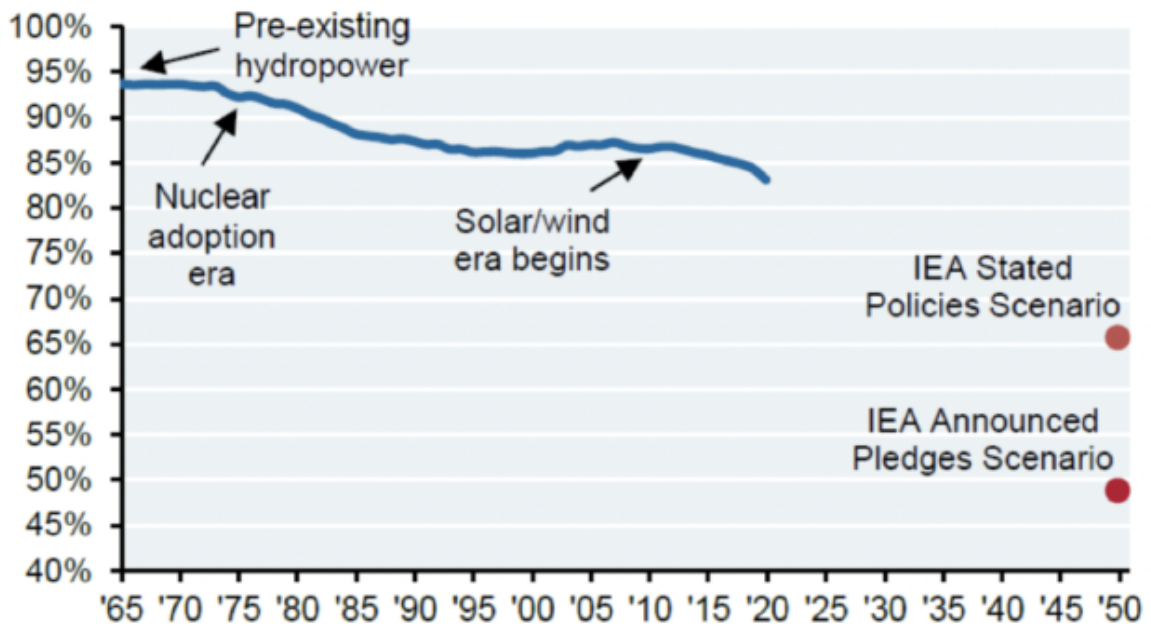
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??COP27????????
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The world uses fossil fuels for ~83% of its energy

% 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 1.5NHK 1.5

record 1.5NHK

NHK 1.5

4

NHK NHK

1.5°C

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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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?1.5??ASEAN????????1.5????????????????????????????
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?2????????????????2000??4????????????????????
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??2050????????
??CO2??

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

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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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??ESG?SDGs? ?????????????????????????????????????CSR? ?????????????
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???ESG?S??SDGs??
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??2021?10?????????????G7????????????????????????????????
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 ??2022?9??EU??

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???2012??2010??2019??10????????
 %????????25%????????????2022????????????????????????????????????

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??ESG???ESG?G??????????????
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??ESG????????????????????????

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

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??SDGs??

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

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?? ?? · Monday, September 26th, 2022

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small smiles/iStock

????2030????????????4??1????????????56?????1?????100????????????48??
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Posted in ???, ????? | No Comments »

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



halbergman/iStock

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8?16??

??3.5????????????Build Back
 Better(?????)????????????????????????????????????10????7370????????4370????????????????????????3690
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??2030????????2005????????????????40????????????
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米インフレ抑制法の気候変動対策支出内訳

(¥140/\$)

	億ドル/10年	億円/10年
グリーン電力投資・生産税控除	1,603	224,420
再エネ	651	
CCS	32	
原子力	300	
技術中立	621	
クリーン燃料税控除	234	32,760
クリーン自動車税控除	155	21,700
自家用車(最大\$7500/台)	89	
商用車	36	
郵便公社	30	
クリーン製造業税控除	403	56,420
多排出事業者向け補助金	95	13,300
建築物グリーン化補助金	453	63,420
農業再エネ化支援	126	17,640
気候対策農業支援	153	21,420
その他	293	41,020
	3,515	492,100

(7月27日CBO分析ベース:成立法とは異なる)

出典:電力中央研究所 上野貴弘氏レポート <https://criepi.denken.or.jp/jp/serc/discussion/22007.html>

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

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?? ?? · Sunday, September 18th, 2022

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CCS

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12 CO2

7 10 15 7 CO2

FIT

13 CO2 CO2

(EV) EV

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Posted in ???, ????? | No Comments »

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



igorartmd/iStock

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Posted in ???, ?? | No Comments »

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

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CEO??EU????????????????50????????????????
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herraez/iStock

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

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Posted in ???, ?? | No Comments »

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

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

ESG??
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LumerB/iStock

8?16????21????????????SEC????ESG????????????SEC????????????
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8?23????????????????????????ESG????????????

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

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audioundwerbung/iStock

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8?23??EU?????
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??EU????????????????????????????????

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

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?? ? · Saturday, September 3rd, 2022



ayhan turan/iStock

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????????372?????2420????????????????????????176?????1650????????????????????

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CO2 CO2 150 ppm

1 30 0.2 0.3

2 IPCC

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3 80 60

HP 10 1950 60 1993 30

4 CO2

1000

() CO2

5 CO2

NHK

6
CO2 1850

CO2 100 23 mm

CO2
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7
CO2
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170 2000 42
CO2 CO2 CO2
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Posted in ??, ??? | No Comments »

LCOE

?? - Thursday, September 1st, 2022



vchal/iStock

IRENA J.P.Morgan

IRENA

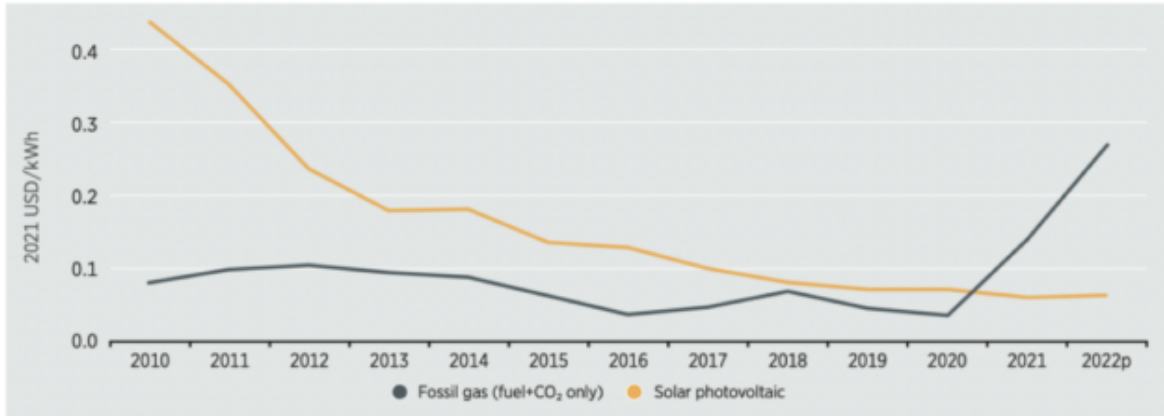
2022 13 IRENA 2021

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

IRENA

- 2021 163GW LCOE G20
-
-

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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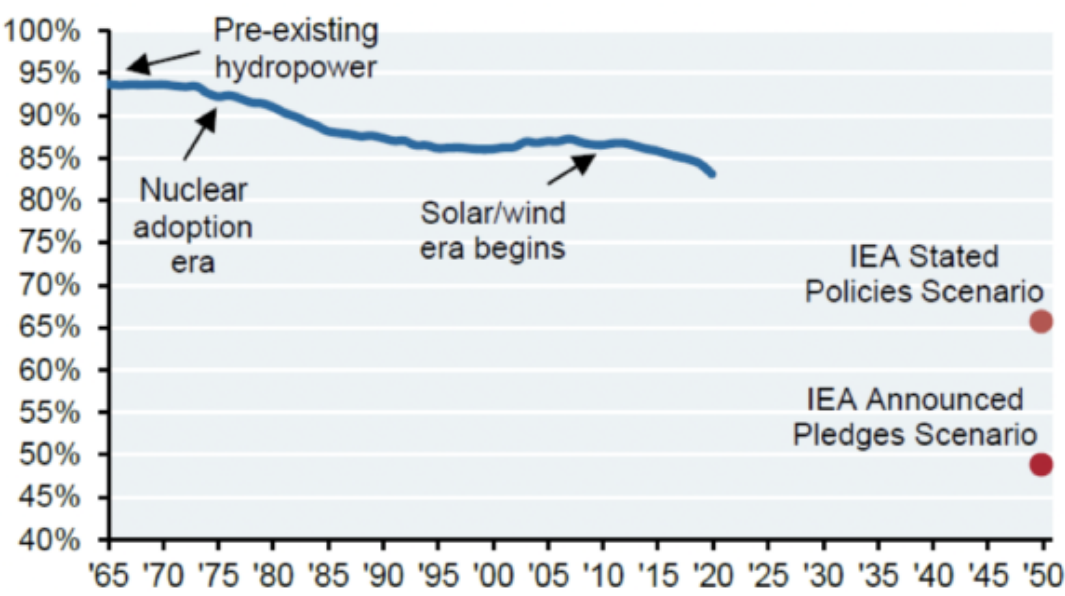
IEA????????????????????????????2050????????????66?????

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

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

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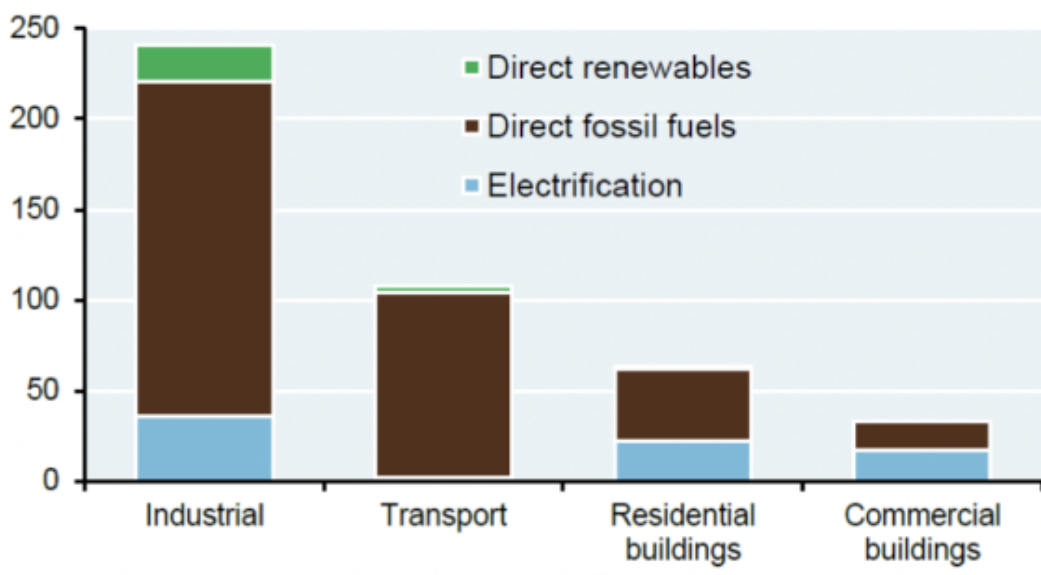
LCOE??i)???????????????????????????? ii)????????????????
iii)??

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Low levels of electrification in global industry and transport

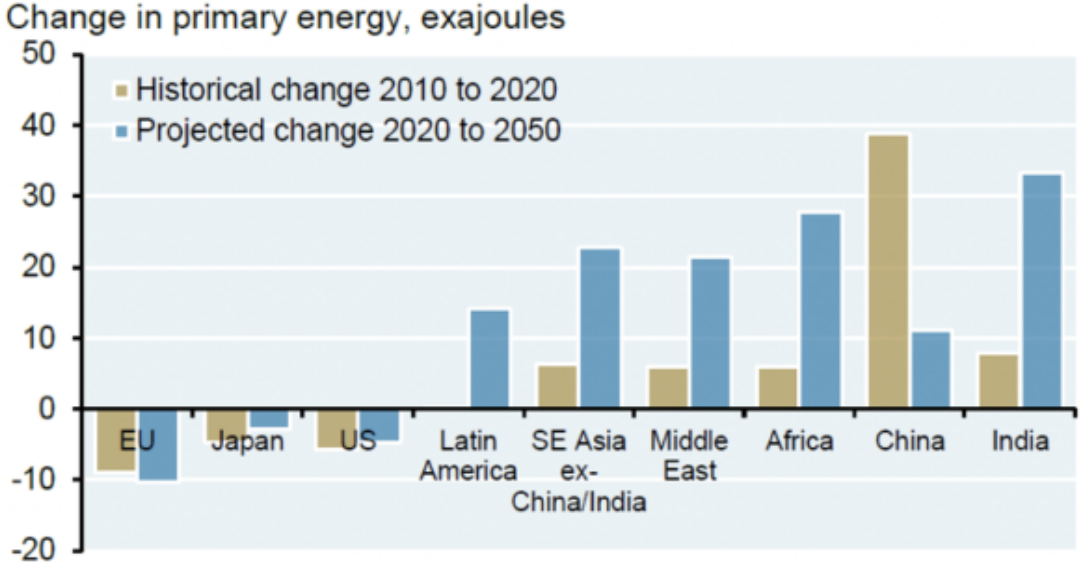
Quadrillion BTUs of final energy consumed by sector



Source: Energy Information Administration, JPMAM. 2021.

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??25??
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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.

????????????????CO₂??
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3. LCOE??FCOE?

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LCOE??
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???LCA????????????????FCOE?Full cost of electricity????????????????

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

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

?? ?? · Monday, August 29th, 2022



imagedepotpro/iStock



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COP?????????????????????? ?? ?????????????????????????????? ? ?????????????
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COP????26????????????????????????COP????????????2015??COP21????????

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

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??2030????5800????????????

2?????COP27??
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Posted in ??, ???? | No Comments »

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

?? ?? · Sunday, August 28th, 2022



marrio31/iStock

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8?24????2?GX(????????????)????????

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?6??26????

©Westinghouse Electric Corporation.

Current Plants) safety by design (passive safety)
AP1000 ESBWR
ATMEA EPR APWR ABWR
AP1000

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ABWR APWR ATMEA

ABWR APWR
ABWR 6 7 3 11

ABWR ABWR

4 3 4 PWR APWR
APWR safety by design
ATMEA

Posted in | No Comments »

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Friday, August 26th, 2022

GX

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7 10

	【新規建設に向けた方針等】	【既設炉の運転延長に向けた方針等】
 アメリカ	<ul style="list-style-type: none"> エネルギー省「革新的原子炉実証プログラム」等 2 炉の建設支援、8 炉型の研究開発支援 (2020) 老朽石炭火力をSMR等で置換可能と分析 (2022) 	<ul style="list-style-type: none"> 運転期限なし (40年+20年単位延長) 現時点で80年までの運転延長認可は6 基 さらに9 基について審査中
 イギリス	<ul style="list-style-type: none"> ジョンソン首相「エネルギー安保戦略」(2022/4) 2050年までに発電割合を25%に、24GWの導入 1 基/1 年に建設ペース加速へ、支援を抜本拡充 	<ul style="list-style-type: none"> 運転期限なし (10年ごとに安全審査) 2035年に40年となるサイズウェル原発で 20年延長を検討中
 フランス	<ul style="list-style-type: none"> マクロン大統領「新規原子炉計画」(2022/2) 2050年へ大型革新軽水炉14基を建設・検討 建設・運営主体の電力会社EDFを完全国有化 	<ul style="list-style-type: none"> 運転期限なし (10年ごとに安全審査) 56基中20基が40年超運転へ 運転延長も対象にグリーンファイナンス検討中
 オランダ	<ul style="list-style-type: none"> 新連立政権「政策協定」公表 (2021/12) 新たに2基を建設する方針を表明 	<ul style="list-style-type: none"> 運転期限は法律で規定 (期間のルールなし) 60年運転認可済の原発の再延長方針を表明
 韓国	<ul style="list-style-type: none"> 尹大統領「エネルギー政策の方向性」(2022/7) 2030年原発割合30%以上、国内2基建設等 	<ul style="list-style-type: none"> 運転期限なし (10年ごとに安全審査) 既設炉の継続運転手続きの迅速化を表明

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

?2035????????EV????????????????

?? ?? · Friday, August 26th, 2022



Naeblys/iStock

2025????1000????????????????????????????????EV????????????????????????????????

????2035????????EV????????????????????????????

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70????????90????????????????

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6??2022????3????????
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Posted in ??????????, ??? | No Comments »

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

?? ? · Thursday, August 25th, 2022

??Wedge
Online??

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??2030????????????2030??45????????????????????????

??1.5??
everybody’s business is nobody’s business ??????????

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

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?? ?? · Wednesday, August 24th, 2022



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??2035????????EV????????????????????

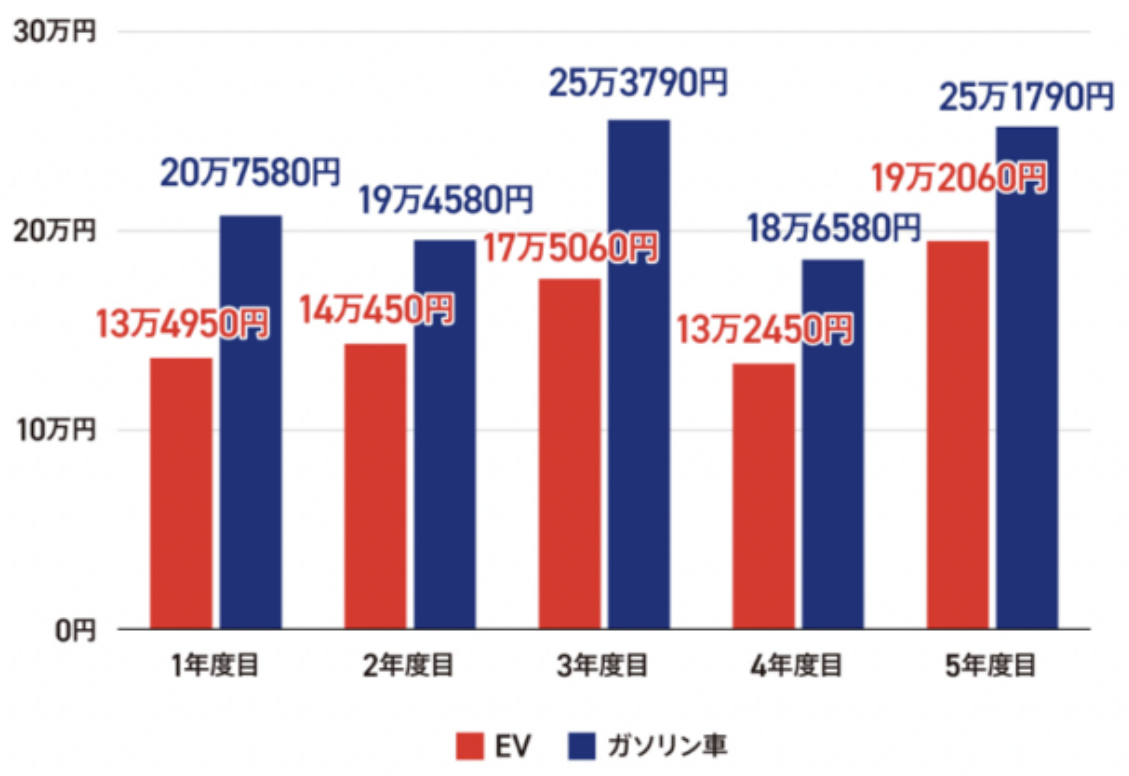
?? ?? · Tuesday, August 23rd, 2022



deepblue4you/iStock

??2020?10??2050????????
??????2035????????????????EV????????????????

????EV????????????????????????1??



?1 EV????????????
 ???TEPCO

????????CO₂????????EV????????

????????ICV????????EV????????2????????2????????????????
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 ?CO₂????????

???EV????????CO₂????????ICV????????EV????????

EV????????????????
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????????????????40????30????????CO₂????????EV????
 ??125,000km????????13,500km????????EV????????9????????60,000km????
 ?EV????????????????EV????????

???2019

????????????????GE????????DE????????BEV????CO₂????????BEV?CO₂????
 177kg- CO₂/kWh??GE?DE?BEV????????DIP: Distance of Intersection Point????

ESG??????????

?? ?? · Sunday, August 21st, 2022



Pict Rider/iStock

????????????SEC????????????????????

[FT]????????SEC?ESG????????



SEC?5?ESG??

SEC????ESG??
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??MFA????????????????

?????MFA?SEC?????ESG?????????????????????ESG????????????
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?????SEC?????ESG??

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ESG??SEC????????????

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

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

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ESG??SEC????????????????????????
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?SDGs????????????????????????????

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?? ? · Saturday, August 20th, 2022

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Santje09/iStock

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??6????????????????????????????????????
??CO2????????????????????

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Zeit????????????????5??
????????????????????????6??

??1????????8?14??die
Welt??
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??2022????????
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??50????????
??CO2??
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?? ?? · Sunday, August 14th, 2022

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Highwaystarz-Photography/iStock

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<https://www.pref.kanagawa.jp/osirase/0502/kouhyou/2015j/2015j0124-2.html>

????????????????GDP?2??
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PPA?Power Purchase Agreement??
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?? ?? · Tuesday, August 9th, 2022

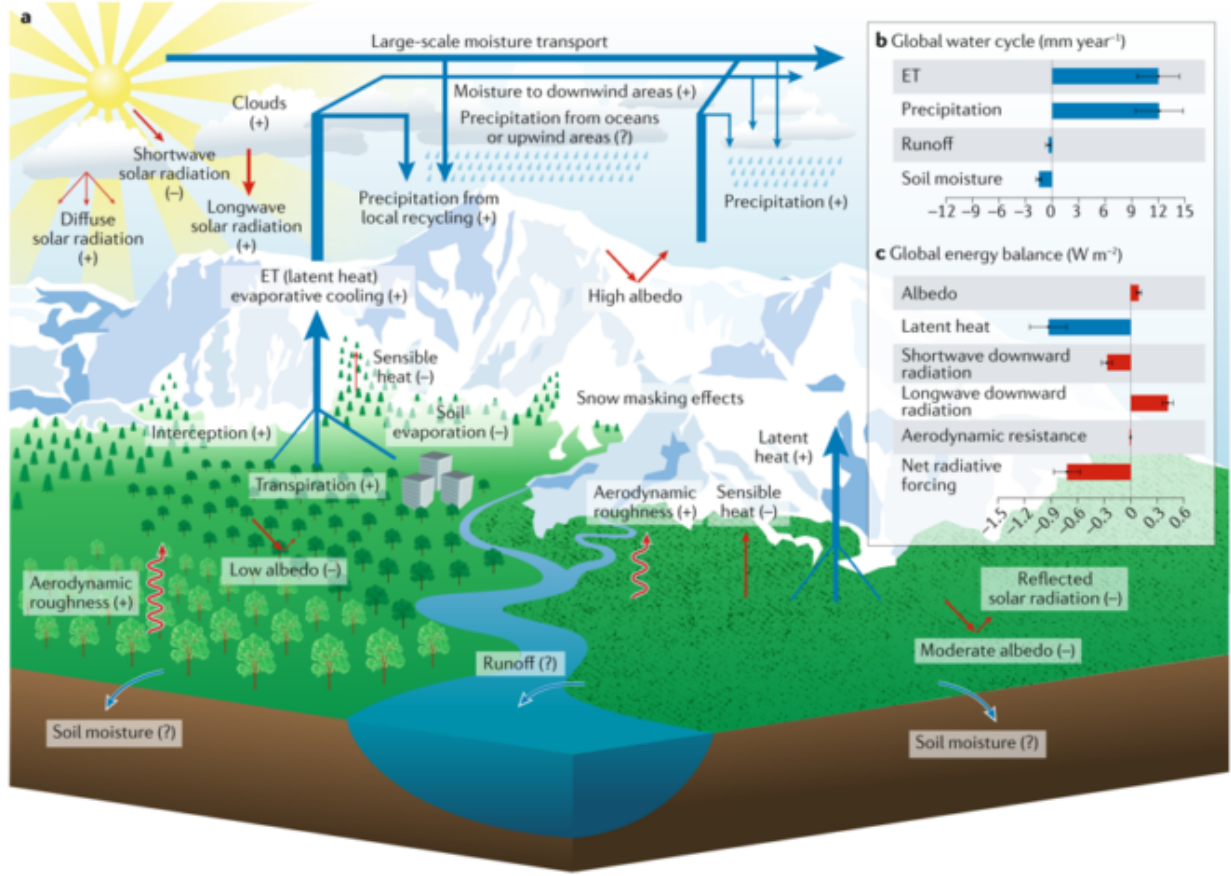


Petmal/iStock

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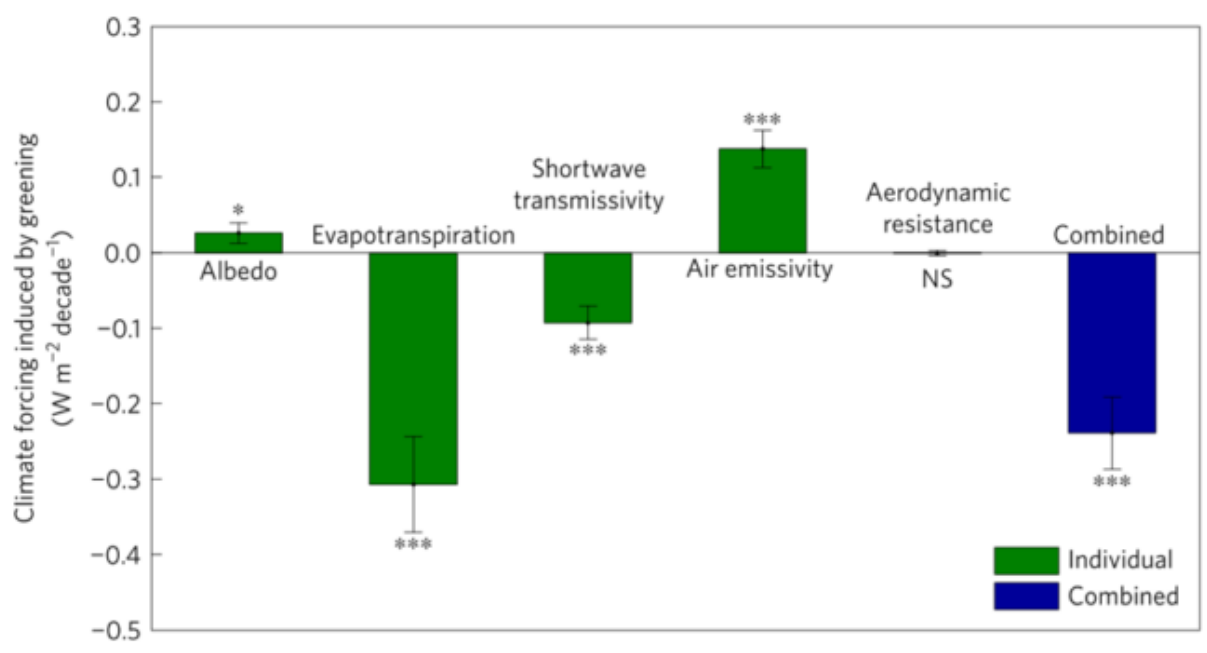
????????LAI????30????8% ?????????????CO2??
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???Piao, S., Wang, X., Park, T., Chen, C., Lian, X., He, Y., Bjerke, J. W., Chen, A., Ciais, P., Tømmervik, H., Nemani, R. R., & Myneni, R. B. (2020). Characteristics, drivers and feedbacks of global greening. Nature Reviews Earth and Environment, 1(1), 14–27.

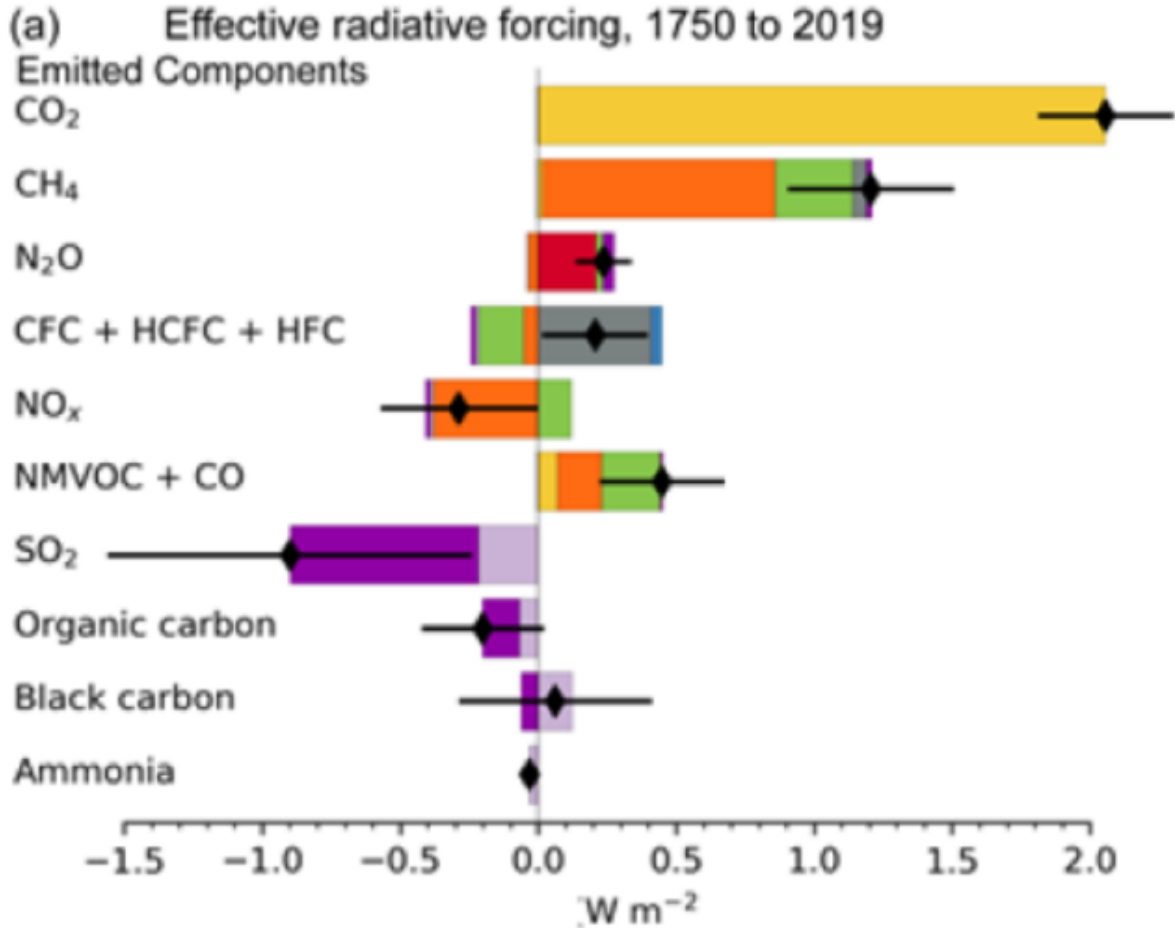
??10?????0.24W/m²????????



???Zeng, Z., Piao, S., Li, L. Z. X., Zhou, L., Ciais, P., Wang, T., Li, Y., Lian, X., Wood, E. F., Friedlingstein, P., Mao, J., Estes, L. D., Myneni, R. B., Peng, S., Shi, X., Seneviratne, S. I., & Wang, Y. (2017). Climate mitigation from vegetation biophysical feedbacks during the past three

decades. Nature Climate Change, 7(6), 432–436.

0.24W/m²????????????40????????1W/m²????IPCC????1750????CO2????????2W/m²????
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IPCC AR6 Fig. TS.15

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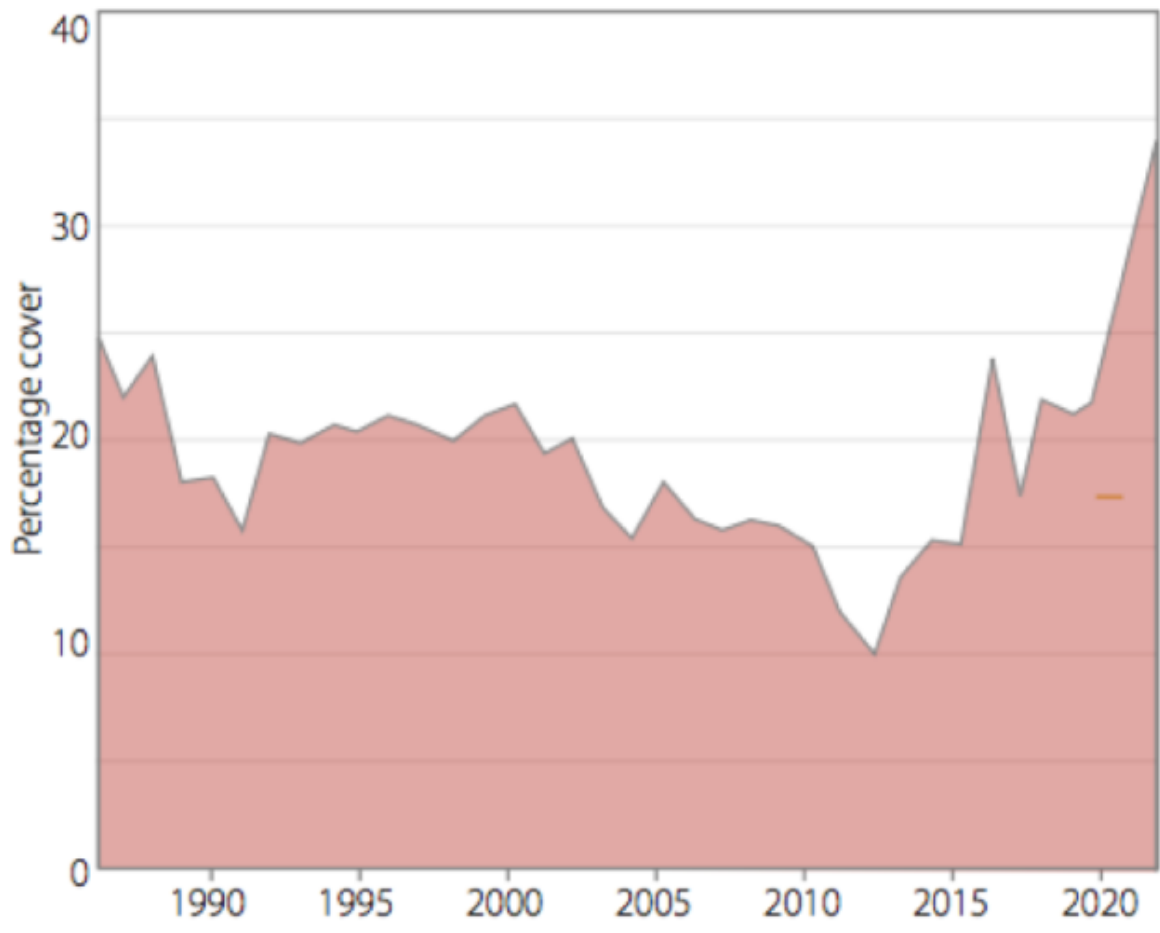
IPCC?????60????????????????????

?? ?? · Sunday, August 7th, 2022



Maerie/iStock

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2022????5%??10%????????????????????????????
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Without significant changes to the rates of disturbance and coral growth, coral cover in the central and southern regions of the GBR is likely to decline to 5–10% by 2022. The future of the GBR therefore depends on decisive

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Great Barrier Reef is damaged beyond repair and can no longer be saved, say scientists

By Helena Horton
29 May 2017 • 1:17pm



Helena Horton, Daily Telegraph, 29 May 2017

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

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?? ? · Friday, August 5th, 2022

