

# Global Energy Policy Research | GEPR

GEPR?http://agorajp.com/?  
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## CO2

Monday, February 27th, 2023



Kwangmoozaa

2023?2024?2023?2023?

CO2?2021?2023?2021?

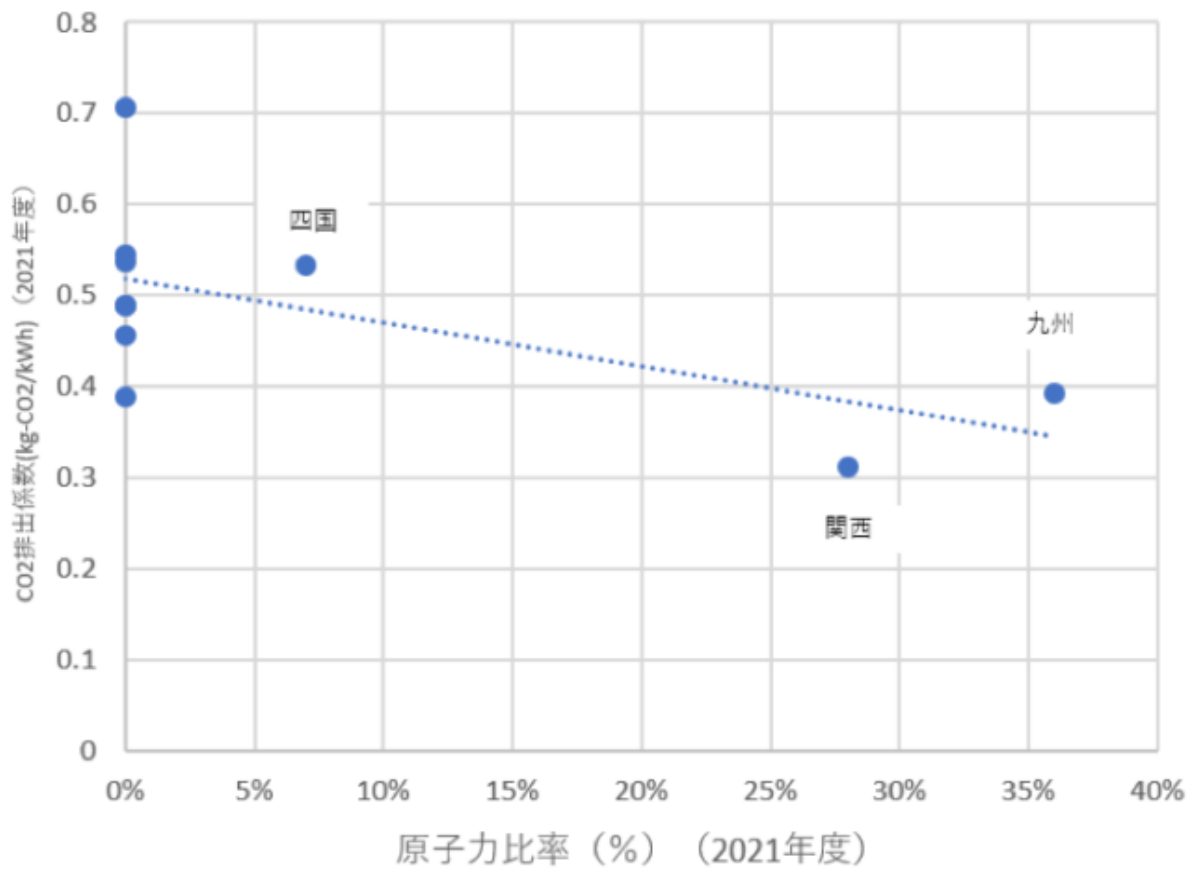
| Year | CO2 Emissions | CO2 Intensity           |
|------|---------------|-------------------------|
| 2021 | 0%            | 9,899? 0.537 kg-CO2/kWh |
| 2022 | 0%            | 9,462? 0.488 kg-CO2/kWh |
| 2023 | 0%            | 9,917? 0.457 kg-CO2/kWh |

|    |     |         |                  |
|----|-----|---------|------------------|
| ?? | 0%  | 7,488?  | 0.388 kg-CO2/kWh |
| ?? | 0%  | 7,369?  | 0.489 kg-CO2/kWh |
| ?? | 28% | 5,677?  | 0.311 kg-CO2/kWh |
| ?? | 0%  | 8,608?  | 0.545 kg-CO2/kWh |
| ?? | 7%  | 8,300?  | 0.533 kg-CO2/kWh |
| ?? | 36% | 5,526?  | 0.392 kg-CO2/kWh |
| ?? | 0%  | 10,500? | 0.707 kg-CO2/kWh |

**100%核能利用によるCO2削減**

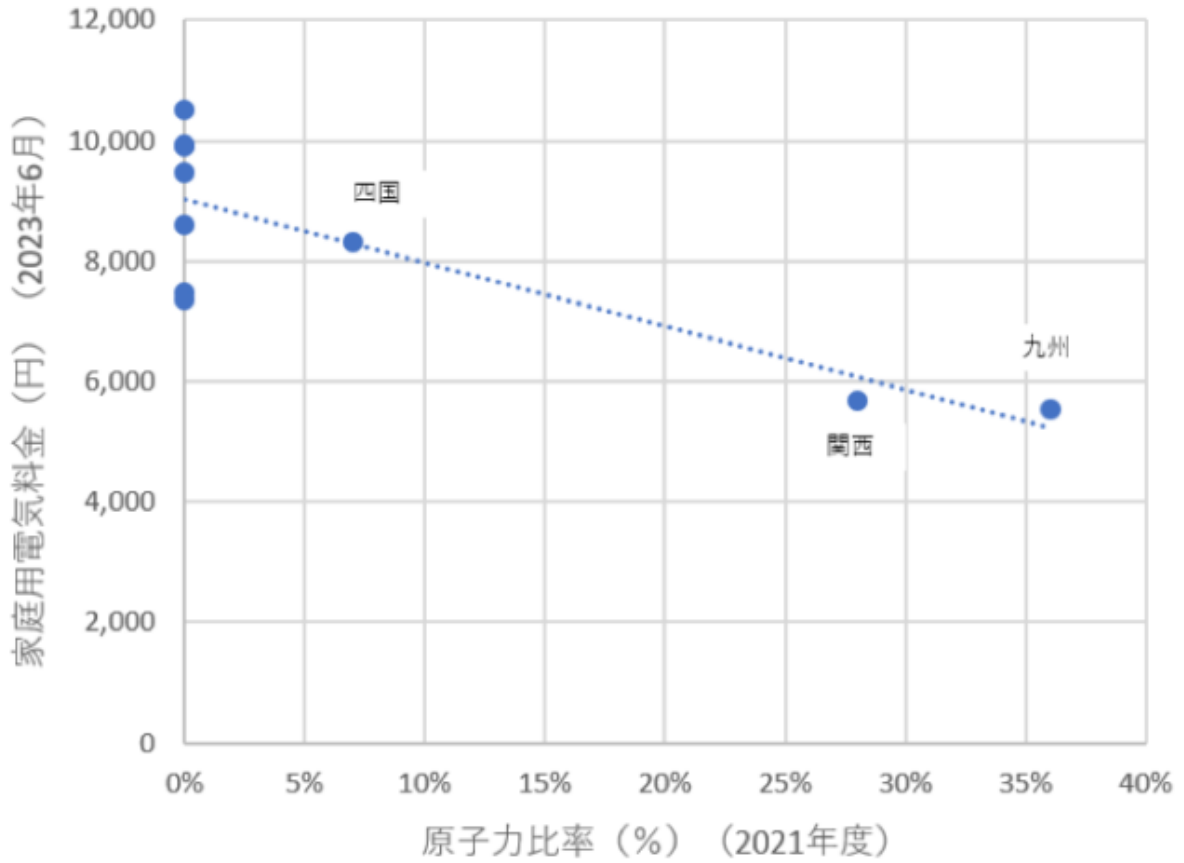
2021年度のCO2排出係数と原子力比率の関係

2021年度のCO2排出係数と原子力比率の関係



100%核能利用によるCO2削減

2021年度のCO2排出係数と原子力比率の関係



2022年10月10日

CO2削減率を高めるには、再生可能エネルギーの導入を促進し、火力発電の稼働率を抑制することが重要です。

再生可能エネルギーの導入促進

再生可能エネルギーの導入促進は、電力需給バランスを確保し、電力料金の安定化に寄与します。

LNGの導入は、電力需給バランスを確保し、電力料金の安定化に寄与します。

2022年10月10日

再生可能エネルギーの導入促進は、電力需給バランスを確保し、電力料金の安定化に寄与します。

再生可能エネルギーの導入促進は、電力需給バランスを確保し、電力料金の安定化に寄与します。

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?SDGs???????

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

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allanswart/iStock

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Have you noticed Big Oil just reported its profits? ?Record profits.?Last year, they made \$200 billion in the midst of a global energy crisis.?I think it’s outrageous.

Why? They invested too little of that profit to increase domestic production, and when I talked to a couple of them, they say, “We’re afraid you’re going to shut down all the oil wells and all the oil refineries anyway, so why should we invest in them?”

I said, “We’re going to need oil for at least another decade.” And that’s going to exceed — and beyond that — we’re going to need it. Production. If they had in fact







y-studio/iStock

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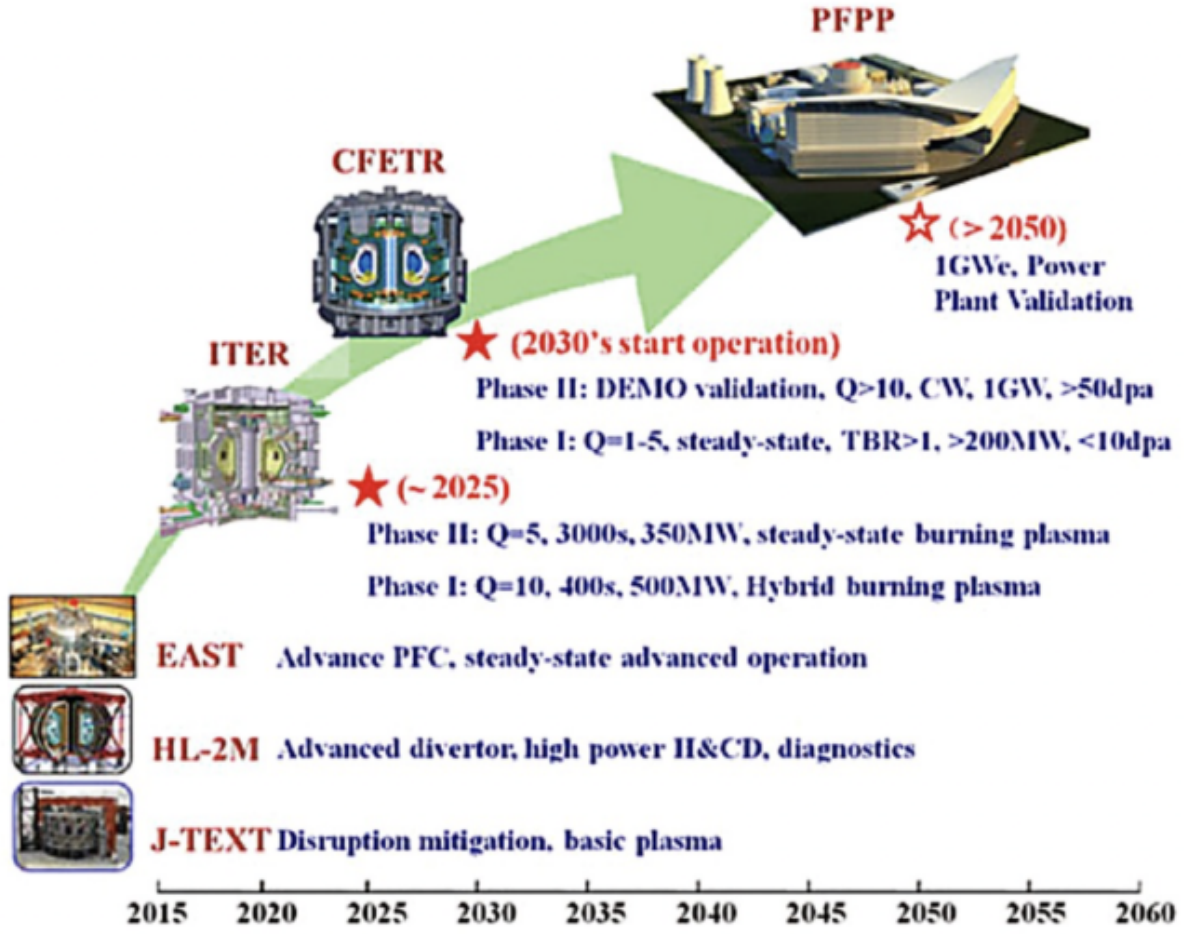
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Posted in ??????????, ??? | No Comments »

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Eisenlohr/iStock

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?????????????UK Column?2023?2?6??

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2023 ? 1 ? 27 ? The Defence and Security  
 Accelerator?DASA?????????????????????????????????Department for Business, Energy and Industrial  
 Strategy; BEIS????????????????????3????????????????????????????????????

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 Deal???30GW????????????2019?6?2050????????????????2020?11?????????????????The Ten Point Plan  
 for a Green Industrial Revolution???40GW????????????

2022 British Energy Security Strategy 50GW

2030 50GW 32GW

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2021 Air Defence and Offshore Wind Precision Approach Radar; PSR

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2020 10 2021 3 6 1 2021 10 2023 7 2 3

UK

Column

SDGs NGO

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2050 2030 10GW 2040 30 45GW

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2023 1 27

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DASA 2016

ESG

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

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?? ? · Saturday, February 11th, 2023



SIphotography/iStock

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

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?? ?? ? - Friday, February 10th, 2023

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18

Fr idays for future EU COP



andriano\_cz/iStock

RWE 2030 2017

CO2

CO2 2020 2038 Kohleverstrom ungsbeendigungsgesetz) AfD CDU fr idays for future

2038 2030

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[https://www.t-online.de/tv/klima-und-nachhaltigkeit/id\\_100114224/war-greta-thunbergs-festnahme-inszeniert-.html](https://www.t-online.de/tv/klima-und-nachhaltigkeit/id_100114224/war-greta-thunbergs-festnahme-inszeniert-.html)

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?? ?? · Tuesday, February 7th, 2023



LeMusique/iStock

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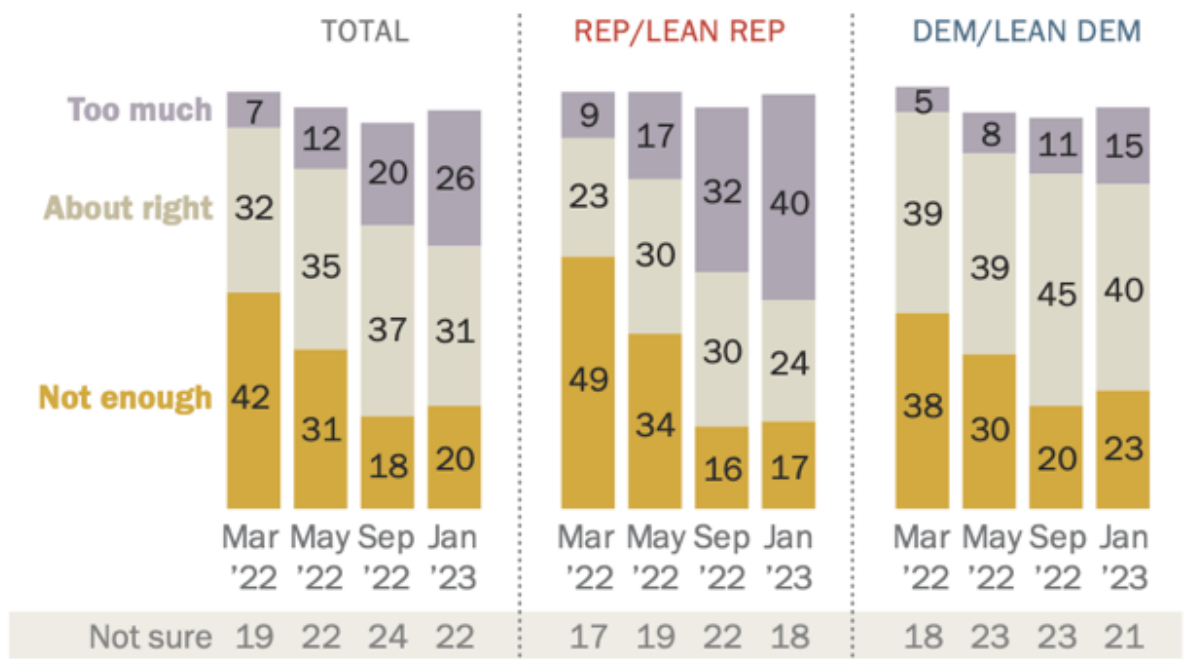
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much????????????????????15%??????

# Share of Republicans who say the U.S. gives too much aid to Ukraine has steadily increased since March

% who say, when it comes to Russia's invasion of Ukraine, the U.S. is providing \_\_\_ support to Ukraine



Note: No answer responses not shown. Source: Survey of U.S. adults conducted Jan. 18-24, 2023.

PEW RESEARCH CENTER

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?? ?? · Saturday, February 4th, 2023



peeterv/iStock

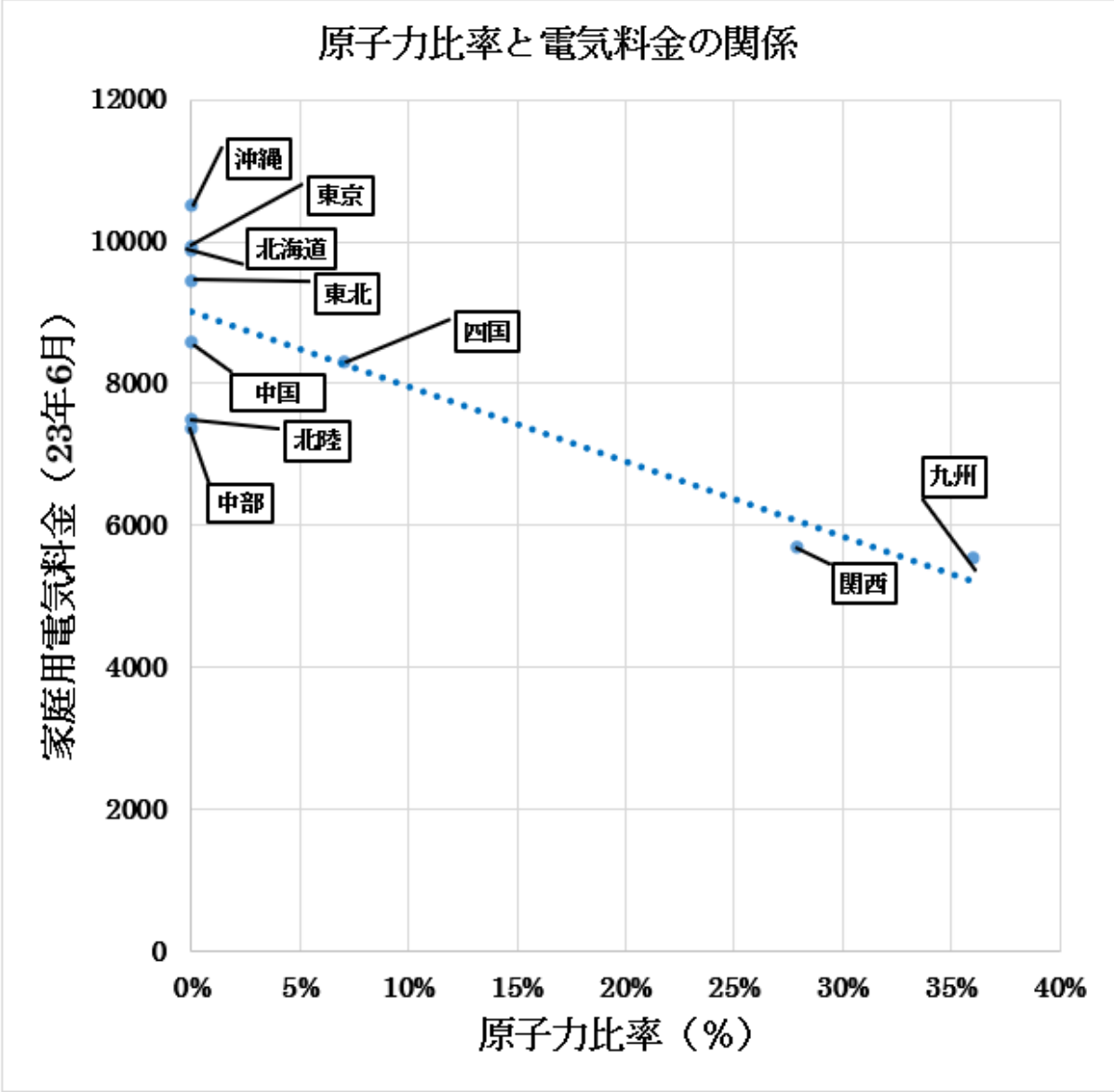
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| 電力会社 | 原子力比率 | 23年6月料金 |
|------|-------|---------|
| 北海道  | 0%    | 9899    |
| 東北   | 0%    | 9462    |
| 東京   | 0%    | 9917    |
| 北陸   | 0%    | 7488    |
| 中部   | 0%    | 7369    |
| 関西   | 28%   | 5677    |
| 中国   | 0%    | 8608    |
| 四国   | 7%    | 8300    |
| 九州   | 36%   | 5526    |
| 沖縄   | 0%    | 10500   |

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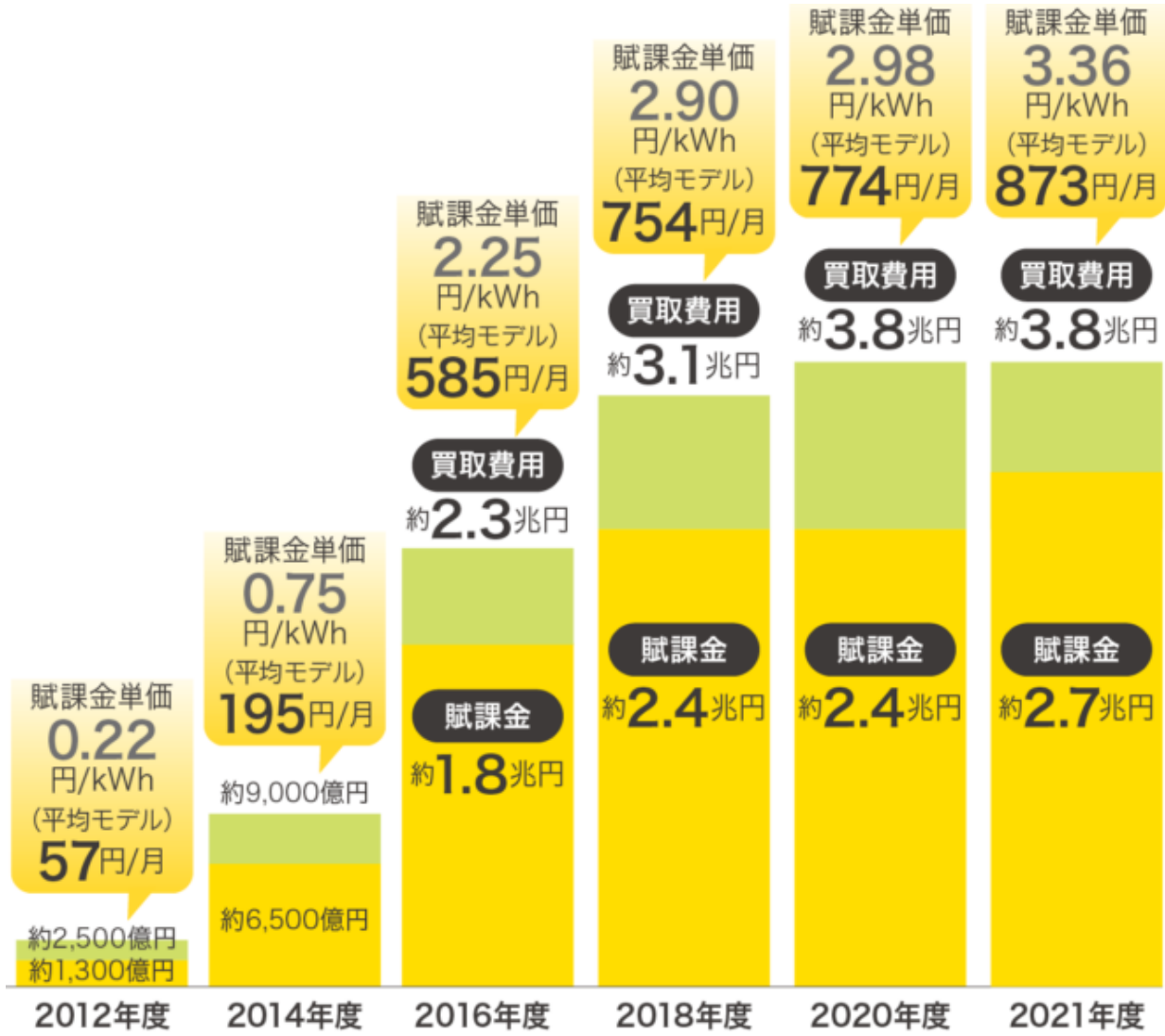
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Posted in ??????????, ???, ????? | No Comments »

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?? ? · Saturday, February 4th, 2023



erbank/iStock

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**3.4. BEVs?????**

BEVs????????ICEVs??UHC?unburned hydrocarbons????????NOx?nitrogen oxides????????????????UHC????????????PM2.5????????????????

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**3.5. ??ICEVs?????????????????**

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100 95 2100 4 GDP 3.64% EU 2050 GDP 10

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Posted in ???, ????? | No Comments »

### ????100%????????????????

?? ?? · Thursday, February 2nd, 2023



BrianAJackson/iStock

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| 脱炭素施策         | 順守事項                        |
|---------------|-----------------------------|
| サプライヤーへの脱炭素要請 | 【優越的地位の濫用】独禁法、下請法、行動指針、調達基準 |
| 中国製太陽光パネルの利用  | 【人権侵害、強制労働】行動指針、人権宣言、SDGs   |
| 「再エネ 100%」表示  | 【優良誤認】景表法、環境表示ガイドライン、行動指針   |

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?? ?? · Wednesday, February 1st, 2023



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Planet Flem/iStock

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| 脱炭素施策         | 順守事項                        |
|---------------|-----------------------------|
| サプライヤーへの脱炭素要請 | 【優越的地位の濫用】独禁法、下請法、行動指針、調達基準 |
| 中国製太陽光パネルの利用  | 【人権侵害、強制労働】行動指針、人権宣言、SDGs   |
| 「再エネ 100%」表示  | 【優良誤認】景表法、環境表示ガイドライン、行動指針   |

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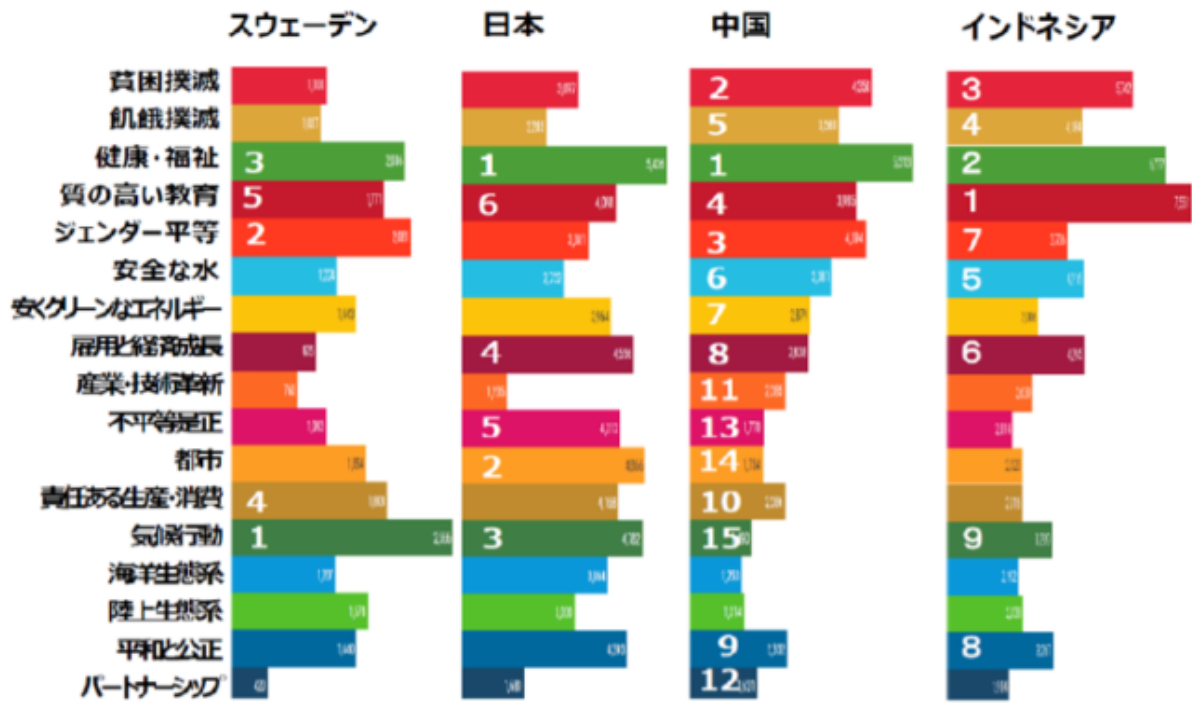
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Posted in ??????????, ??? | No Comments »





???United Nations My World 2030 ??????

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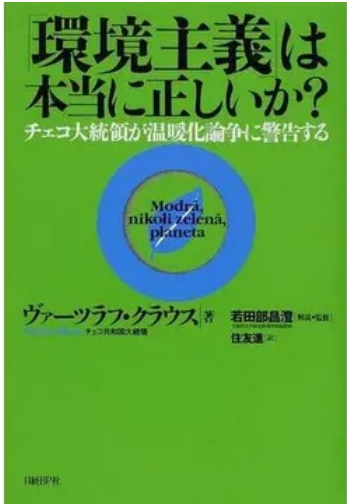




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Posted in [???????????](#), [???](#), [?????](#) | [No Comments](#) »



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**Long Covid: Protestaktion vor dem Bundestag**

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Posted in ???, ????? | No Comments »

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?? ? · Saturday, January 21st, 2023



Kolonko/iStock

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**3.1.????????BEVs??????**

????BEVs(?????)CO2??BEVs????????????????????CO2?????  
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????????????????????????????????CO2????CO2??BEVs?ICEVs?????????????????  
????????????CO2??ICEVs????????????????????????????

????????????LCA?life cycle analysis????LCA??  
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?????honest assessment??



??BEVs????CO2????CO2????CO2????LCA????

????????CO2????61?106kg-  
CO2/kWh????1kWh????61?106kg?CO2????

??????70??????125kg-  
CO2/kWh????60kWh????BEVs????7.5t?CO2????125kg/kWh×60kWh?  
7500kg)?

? ??????S??BEV????100kWh????12.5t CO2???

????CO2????BEVs?CO2???ICEVs????

????????HTP?human toxicity  
potential????BEVs????HTP?ICEVs????3  
5????BEVs????

????????Ecological  
Rucksack????1????500????500????  
????500????7500????35????

????500????40kWh?300kg????150t????  
????40kWh????

????100????

**3.2.?????**

????22????BEVs????200????2030  
????80?180????160/?1?2800?2?8800????

??BEVs????29????ICEV????1?4????  
????2030???BEVs?ICEVs????  
????BEVs????

LCA????BEV????ICEVs?30????  
????BEVs????BEVs????ICEVs????BEVs  
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????3600??LDVs????2021????BEVs?36???%????2030????1  
000????LDVs?28????10?100????

????1????7kW????100????7GW?700? kW????2????

? ?????2014????

????22?5??EV????BEVs????

????16????25????9????35



????????HEVs????????BEVs??

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Posted in ???, ????? | No Comments »

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?? ?? · Saturday, January 21st, 2023

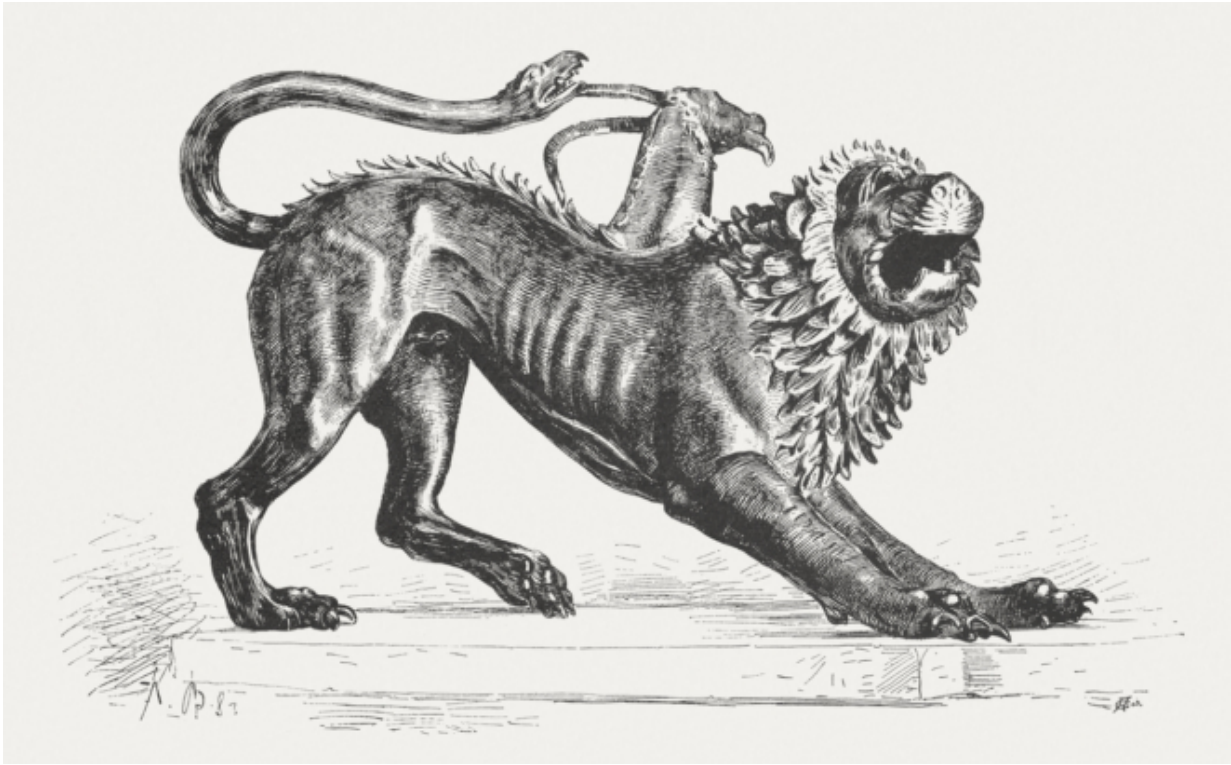


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Wikipedia

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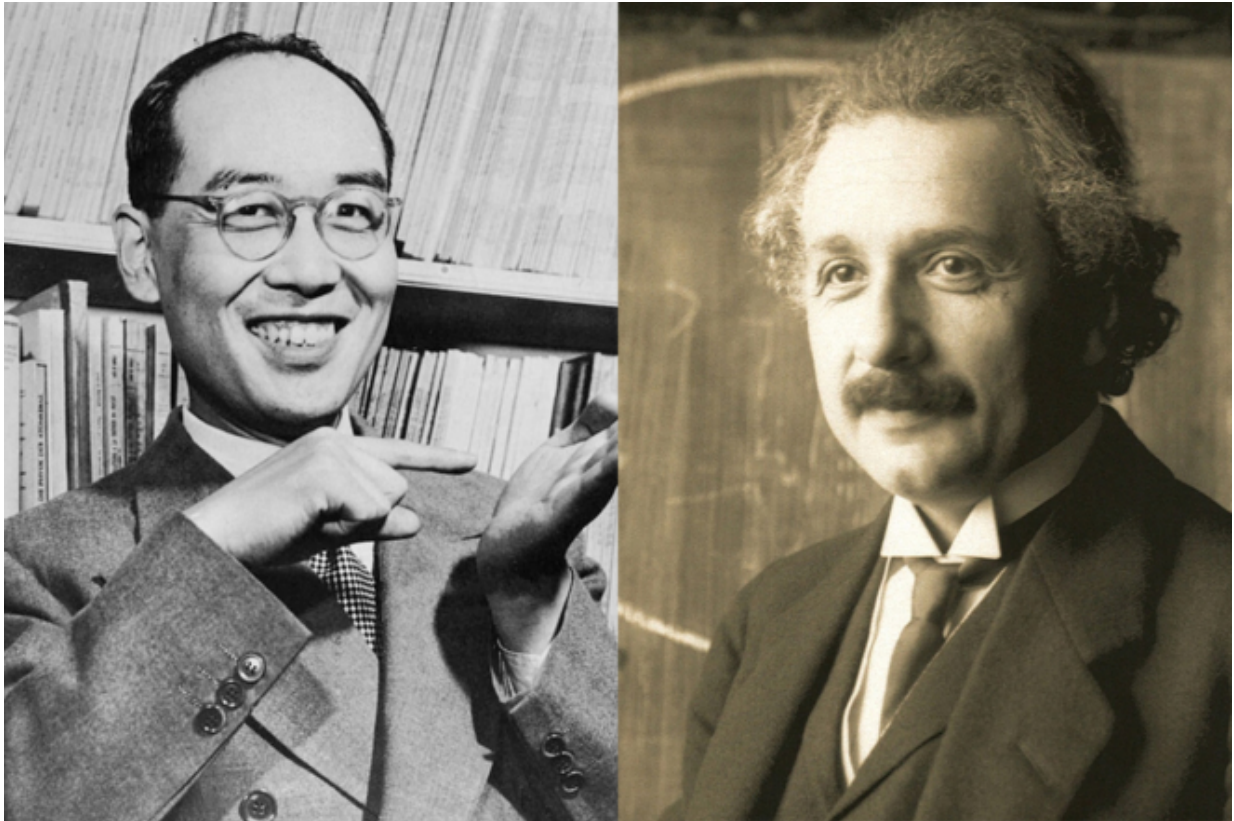
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3000????????????10????????????????????????????????  
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1920??????  
???Wikipedia

<https://www.yomiuri.co.jp/kyoiku/kyoiku/news/20230112-OYT1T50041/>

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1970??

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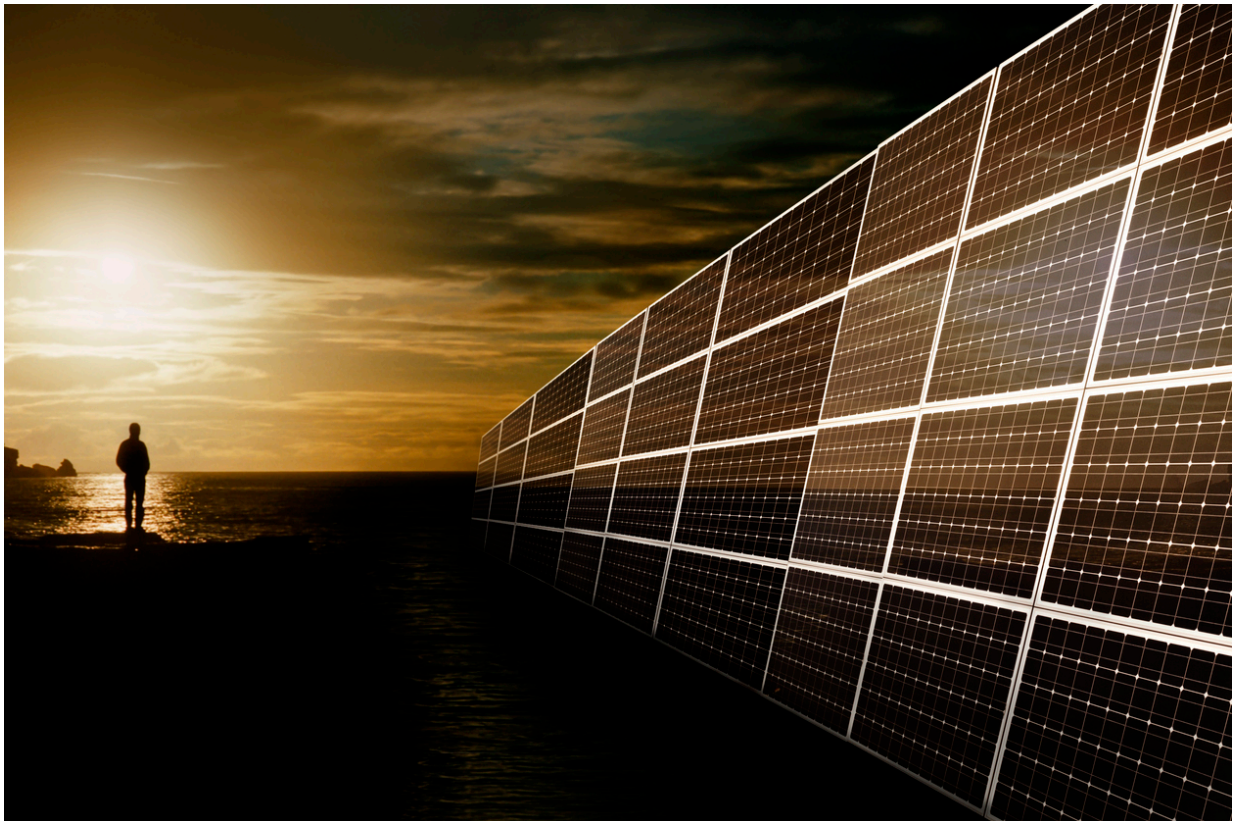
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Posted in ???, ????? | No Comments »

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?? ?? · Tuesday, January 10th, 2023



HadelProductions/iStock

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2021?6?G7????????10?G7??2022?6?G7??EU????????????????2022?8?G7??

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????????????2022?2?G7????????12?G7??

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??SDGs??

??CSR????????????2022????????????50????????????????????????????????????1????????

| 調査項目                               | 公表数        |
|------------------------------------|------------|
| ① 行動指針、行動憲章など                      | 50社 (100%) |
| ② 人権 (強制労働をしない、など)                 | 50社 (100%) |
| ③ 公正な取引 (優越的地位の濫用をしない、不利益を与えない、など) | 43社 (86%)  |

?1????????????  
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??2023?1?7

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????12????????????????????????????????????  
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?1?????CSR?????????????????????ESG?????????

?2????????50????????????????????????????????  
????????????????????????????????1????10?30????50????

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?SDGs???????

Posted in ???, ????? | No Comments »

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?? ?? · Monday, January 9th, 2023





NicoElNino/iStock

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

2050?????2030?CO2????????????????????????2022?2????????????????????40??????????????????????????  
????????CO2??

????2000????????????????????<sup>21</sup>??  
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2023?1??  
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- ???CO2??????????????
- ??????????????1?2?3??????????????????
- CO2????????????????
- ?2030??????????????????
- 2050??????????????????

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- ?????????J????????????
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- ?????????
- EV??????

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??ESG??ESG  
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??2050????2030?CO2????????????????  
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????????????????????1%??80%????????  
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?J??EV????????????????????

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?I????CSR????????????????????????ESG????????

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?SDGs??????

Posted in ???, ????? | No Comments »

# 2022??

?? ?? · Monday, January 9th, 2023



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H M Shahidul Islam/iStock

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

2022??

Sky New??

BBC??

???"experts say..."??

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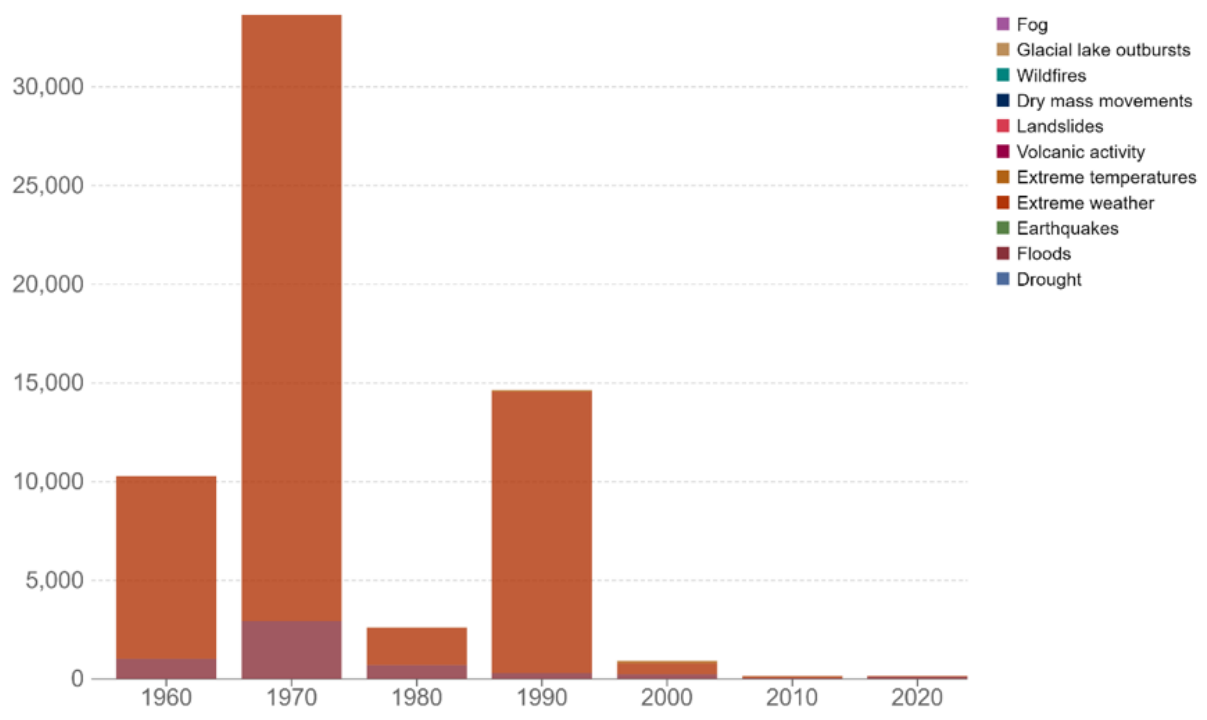
??80????????????75????1

0????????????????????18????????1988????????75????????

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### Decadal average: Number of deaths from natural disasters, Bangladesh



Source: EM-DAT, CRED / Université catholique de Louvain, Brussels (Belgium)

OurWorldInData.org/natural-disasters • CC BY

1970-2020

2000

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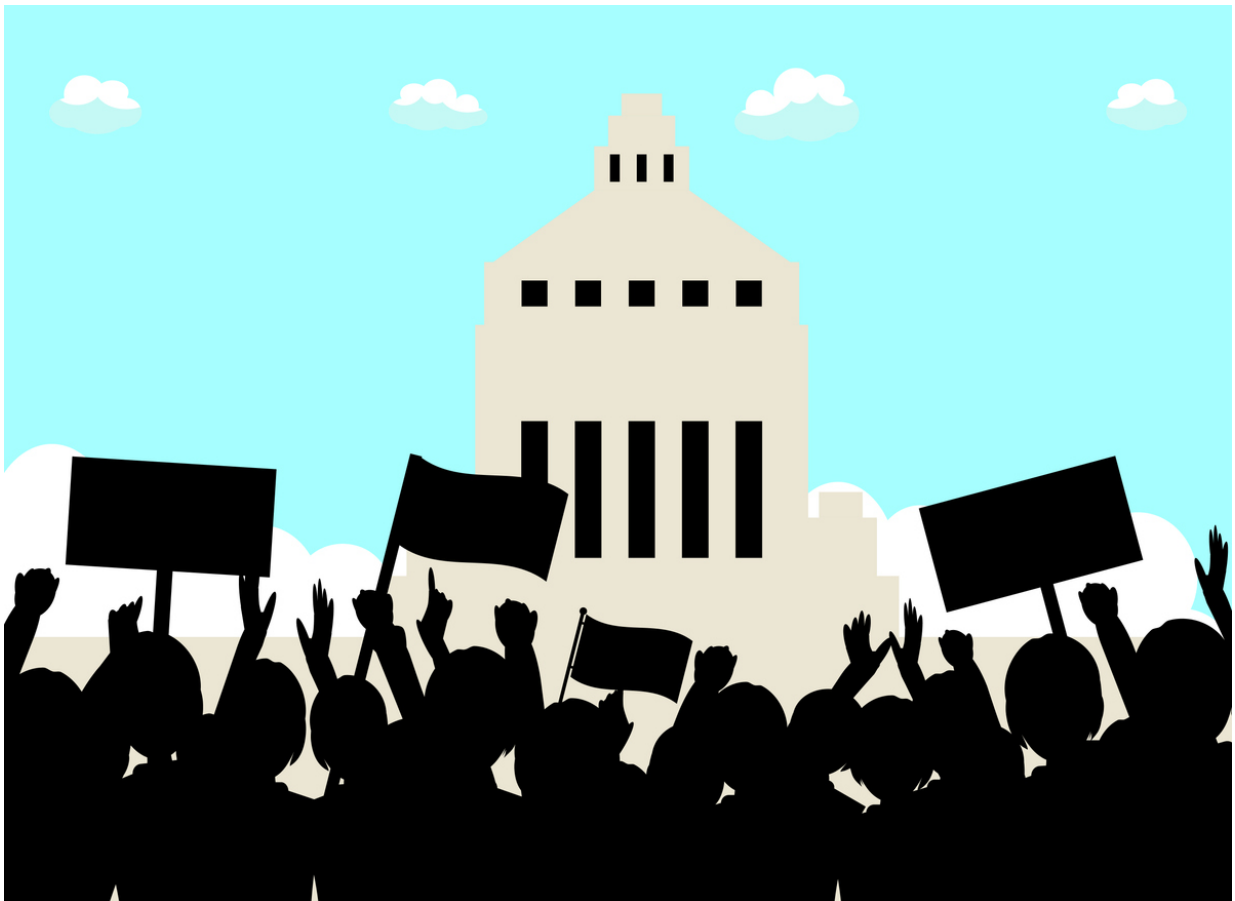
Posted in ???, ????? | No Comments »

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

?? ?? · Sunday, January 8th, 2023

?GDP?2????????????????????????3??  
 ???????1????????????????????????????

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kid-a/iStock

**GX????????**

????????????GX????GX????????1?22????????

**GX????HP**

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

**?GX????(?)????(?)??**  
**?GX????(?)????**

????????1?27????

**????????**

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

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?????GX????2022????3????

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**????????**

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そのため、化石エネルギーへの過度な依存からの脱却を目指し、需要サイドにおける徹底した省エネルギー、製造業の燃料転換などを進めるとともに、供給サイドにおいては、足元の危機を乗り切るためにも再生可能エネルギー、原子力などエネルギー安全保障に寄与し、脱炭素効果の高い電源を最大限活用する。

????????

安定的で安価なエネルギー供給は、国民生活、社会・経済活動の根幹であり、我が国の最優先課題である。今後 GX を推進していく上でも、エネルギー安定供給の確保は大前提であると同時に、GX を推進することそのものが、エネルギー安定供給の確保につながる。

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????????????????????CO2????????????????????RITE????2030??46%????????????????30??  
GDP????????????????RITE??p8?

**GX????????????????**

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

??(?)????????

???GX??????

?10??150????GX????????20??GX????????????

「GX 経済移行債」(仮称)

国として長期・複数年度にわたり投資促進策を講ずるために、カーボンプライシング導入の結果として得られる将来の財源を裏付けとした 20 兆円規模の「GX 経済移行債」(仮称)を、来年度以降 10 年間、毎年度、国会の議決を経た金額の範囲内で発行していく。

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

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

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



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**?GX????????????????????**

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????????????????????????PDCA????????????????????

したがって、支援分野の優先順位付け、支援対象事業の選定等においては、技術や市場の見通し、事業の効果などの要素を検討するとともに、定期的に支援事業の進捗評価・分析を行い、支援継続の要否などを確認するためのチェック機能を設ける。支援対象については、こうした機能を通じて柔軟に見直しを行う。

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

- ?GX????GX????????????????????????????????
- ?????????????????????????
- ?????????????GX????????????

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世界規模で異常気象が発生し、大規模な自然災害が増加するなど、気候変動問題への対応は今や人類共通の課題となっている。カーボンニュートラル目標を表明する国・地

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

2022????????????100????98??????

?? ?? · Saturday, January 7th, 2023



Devrimb/iStock

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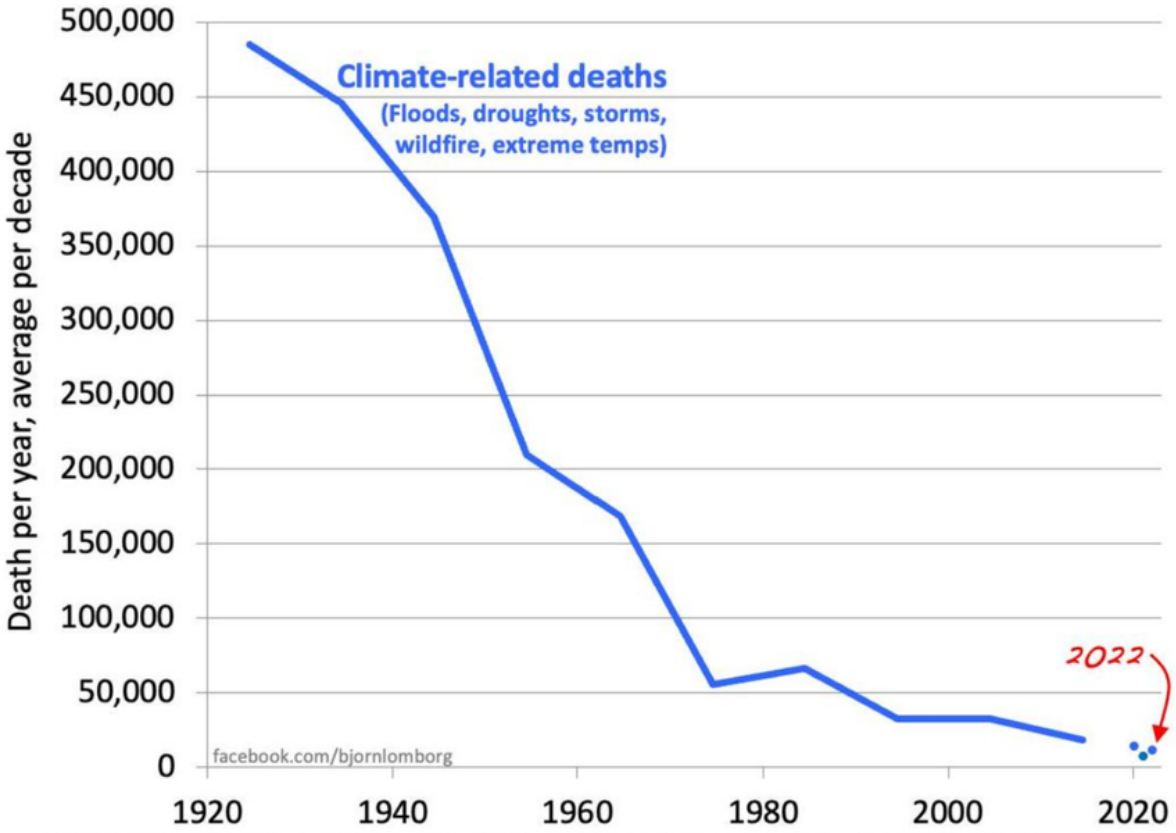
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????????????????????1920????29????????????2010????2019????????????????????????????3????????????

# Climate-related Deaths: 1920-2022

Deaths have declined precipitously because richer and more resilient societies reduce disaster deaths and swamp any potential climate signal



facebook.com/bjornlomborg  
 OFDA/CRED International Disaster Database, <https://public.emdat.be>, deaths averaged over decades 1920-29, 1930-1939, ... 2010-2019 placed at decadal midpoints (1924.5, 1934.5 etc), with annual data for 2020, 2021, and 2022, accessed January 1, 2023. Likely database will be updated further, so the current 2022 estimate is probably low. 2022 at 14,920 dead, 2021: 7,705, 2022: 11,873. Update of Fig. 17 from <https://www.sciencedirect.com/science/article/pii/S0040162520304157>.

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

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?? ? · Saturday, January 7th, 2023



Natali\_Mis/iStock

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**2.3.???**

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??????2040??  
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???Typhoon????????????21t??4t????????????????????49MWh????????????????????  
?????????180Wh/kg????????????????13??272

t????????49×10<sup>6</sup>Wh/180×10<sup>3</sup>Wh/t?272.2t????????????

????????TV??  
70??=272/4??  
????????????????????????????

????????????6.2m×2.5m??4667kg?300????????????S??????????2100kg?100kWh????300?  
????????????

????????2.2????????220kWh??1m<sup>2</sup>?1  
50W????6.2m×2.5m????????????95????220kWh/(0.15kW/m<sup>2</sup> × 6.2m × 2.5m)?94.6  
h????????95????????????1????????????





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????????????????BEVs??  
????FCV??1100????????????????????????????????

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????????????????????EV?PHEV??  
??700????????????FCV????  
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??BEVs????????????????????????????????LDVs?light duty  
vehicles????????????????45??  
????????????????????????????????

??????A320??19????????????????????????

?????13??LDVs??????2040?????17?19?????????????????????3600??LDVs?????2021????B  
EVs?36????1%????????????????LDVs????????????????100????????????LDVs????????  
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2021????????1250??(??)BEVs??????70??  
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Posted in ??, ???? | No Comments »

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?? ?? · Friday, January 6th, 2023





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Wikipedia??

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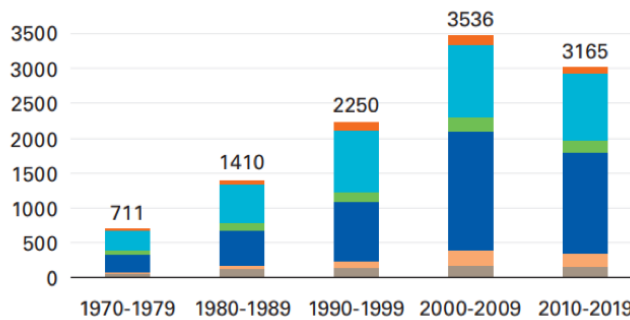
??W  
MO????????????????????IPCC??????????



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(a) Number of reported disasters  
 Total = 11 072 disasters



■ Drought    ■ Extreme temperature    ■ Flood    ■ Landslide    ■ Storm    ■ Wildfire

??(United Science)?? in

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Posted in ???, ????? | No Comments »

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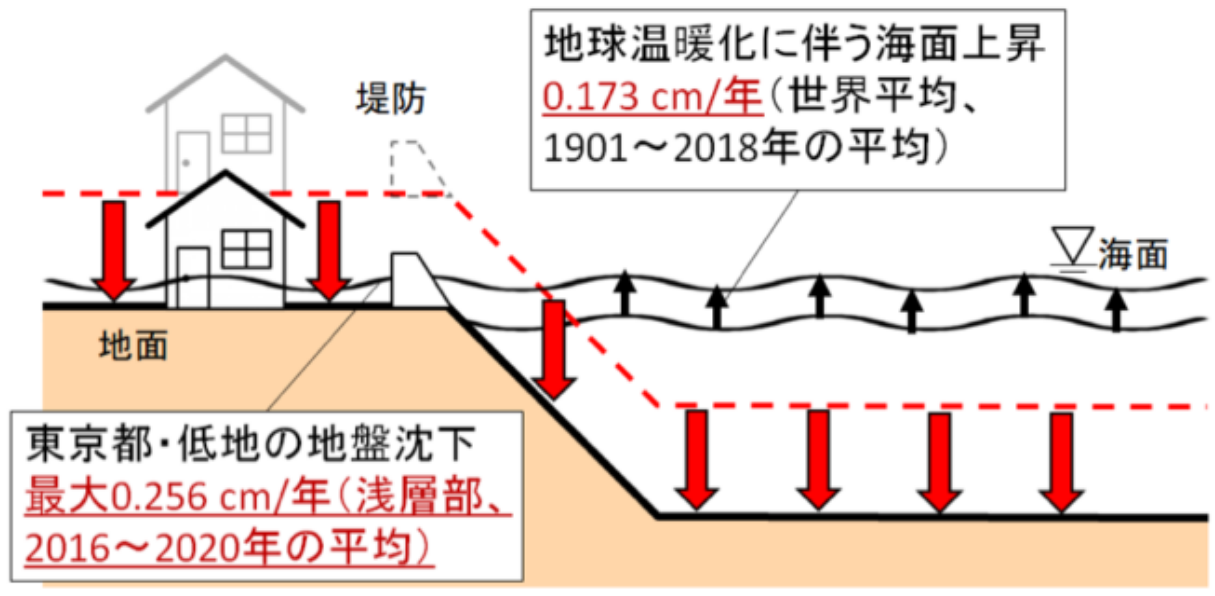
?? ?? · Tuesday, January 3rd, 2023



?1 1906??2019??2020??

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????????????????????????????????2022????????????????4???1????????????????????????????????????IPCC  
??6????????1?????????

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cm??2016?2020????????1????  
0.256 cm????????????????????????

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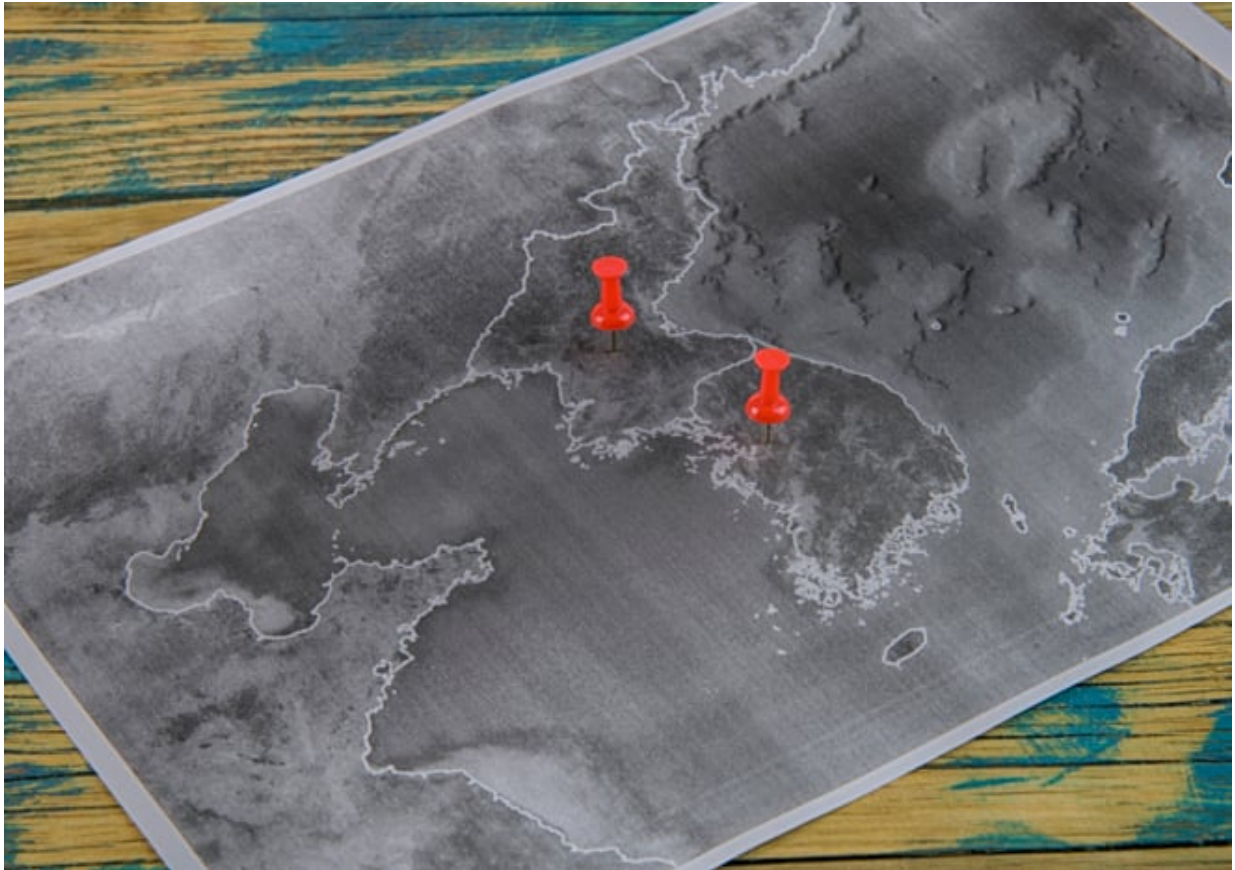
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Posted in ???, ????? | No Comments »

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?? ?? · Wednesday, December 28th, 2022



Perytskyy/iStock

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???VOA Korea 2022?12?23??



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dzika\_mrowka/iStock

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

### ????????????????????ESG??

?? ?? - Sunday, December 25th, 2022



gremlin/iStock

WEF??2050????????????????????????????

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?????6,000??40????80????????????????????????????????  
??1900????????????????????????

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??200????????????????????????????  
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**ESG????????????**

WEF????ESG??  
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**ESG????????????**

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

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?? ?? · Saturday, December 24th, 2022

EU????????????12?18?????EU??EU????????????????  
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????EU?CO<sub>2</sub>??????4?????EU-  
ETS????????????????2030????????????43??62??  
????????????????????????????????2026????????????????????????????

????26??2.5????????27?5.0??28?10??29?22.5??30?48.5????????????2034??100????????????????  
????????????????????????????



Galeanu Mihai/iStock

??EU????????????????CO<sub>2</sub>????????????  
??EU????????????????????  
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CBAM??EU??CO<sub>2</sub>????EU??ETS????????????

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??WTO????????????????????  
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????????????2023?10????25????15??202  
6????????????????????????EU????26??  
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??EU??2026????EU????????????????????????????

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??CBAM????????????

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