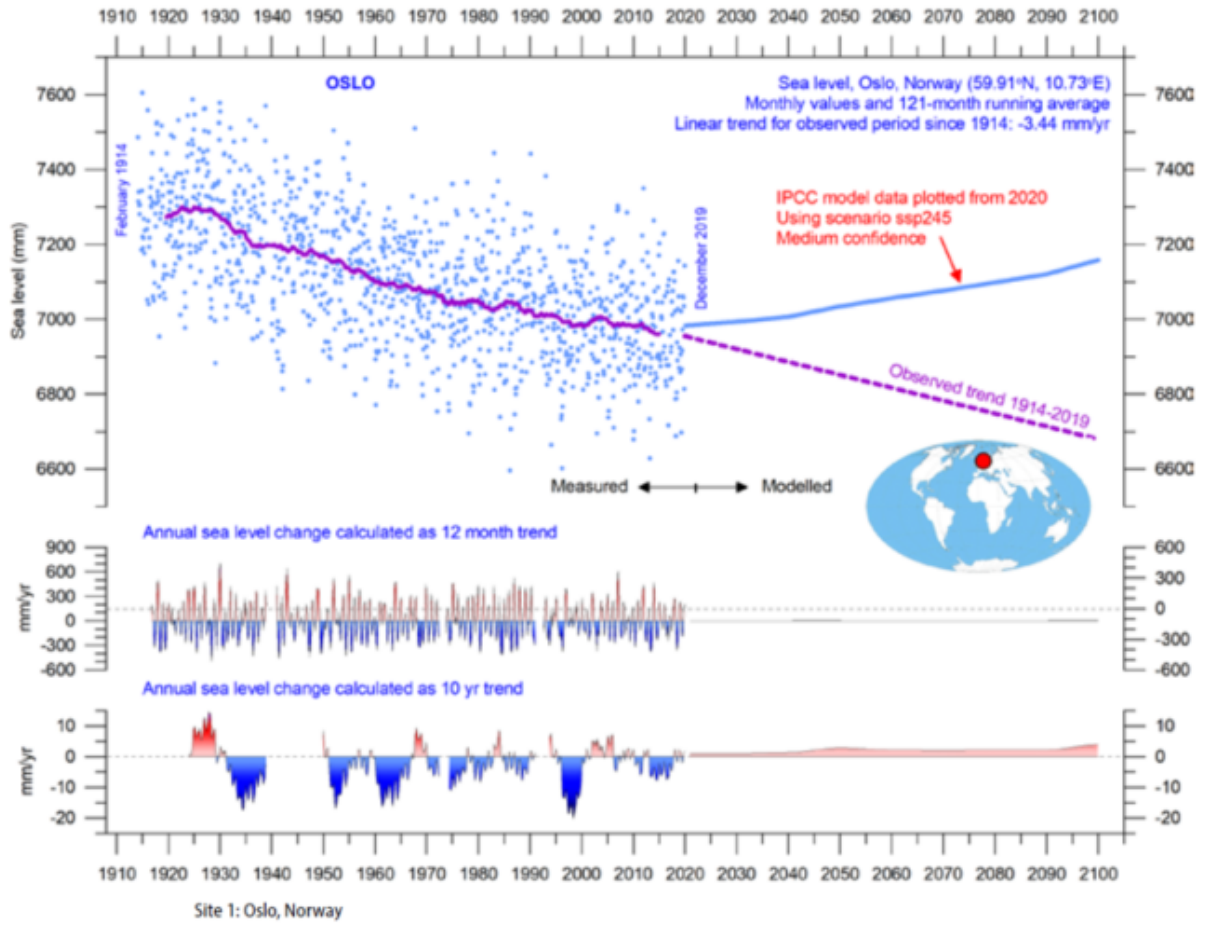


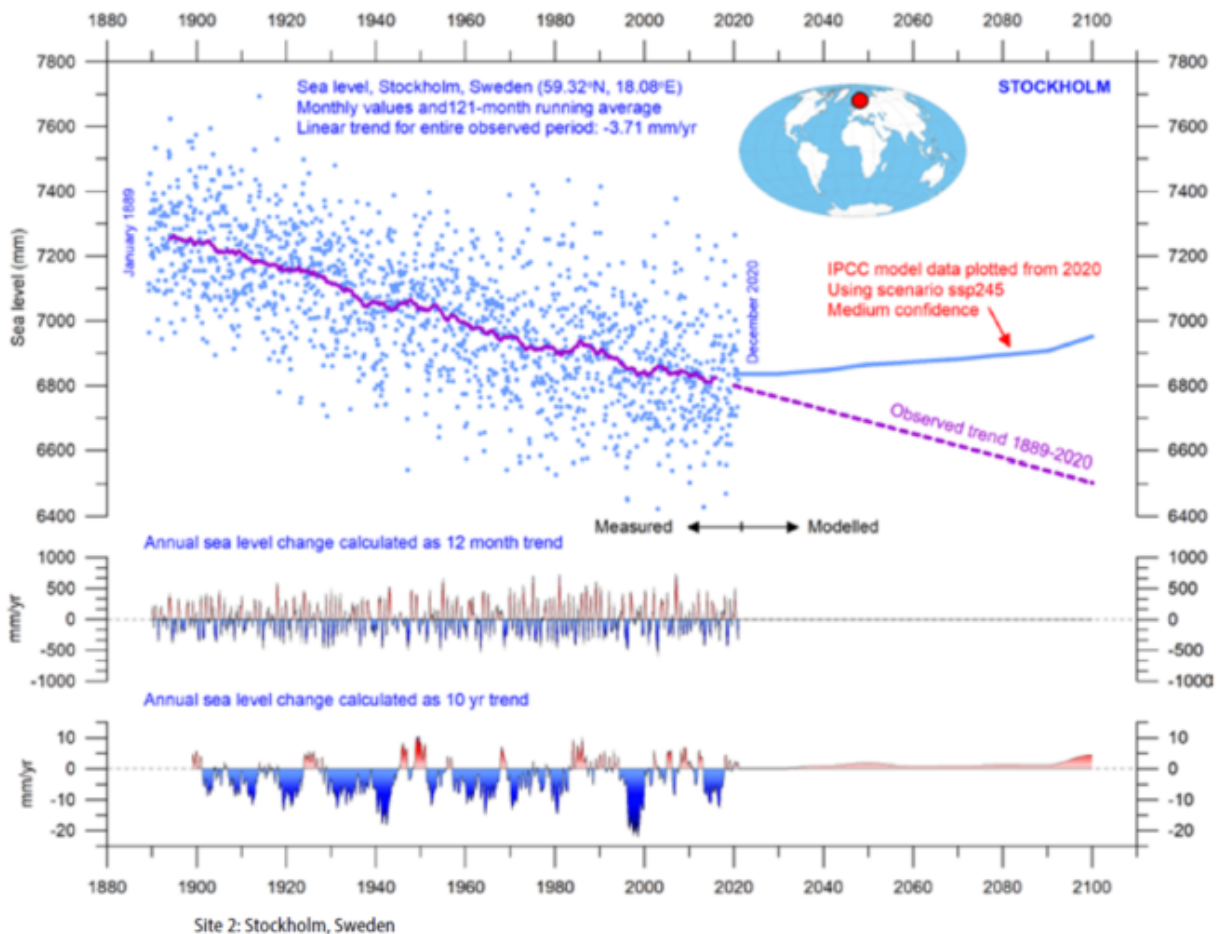
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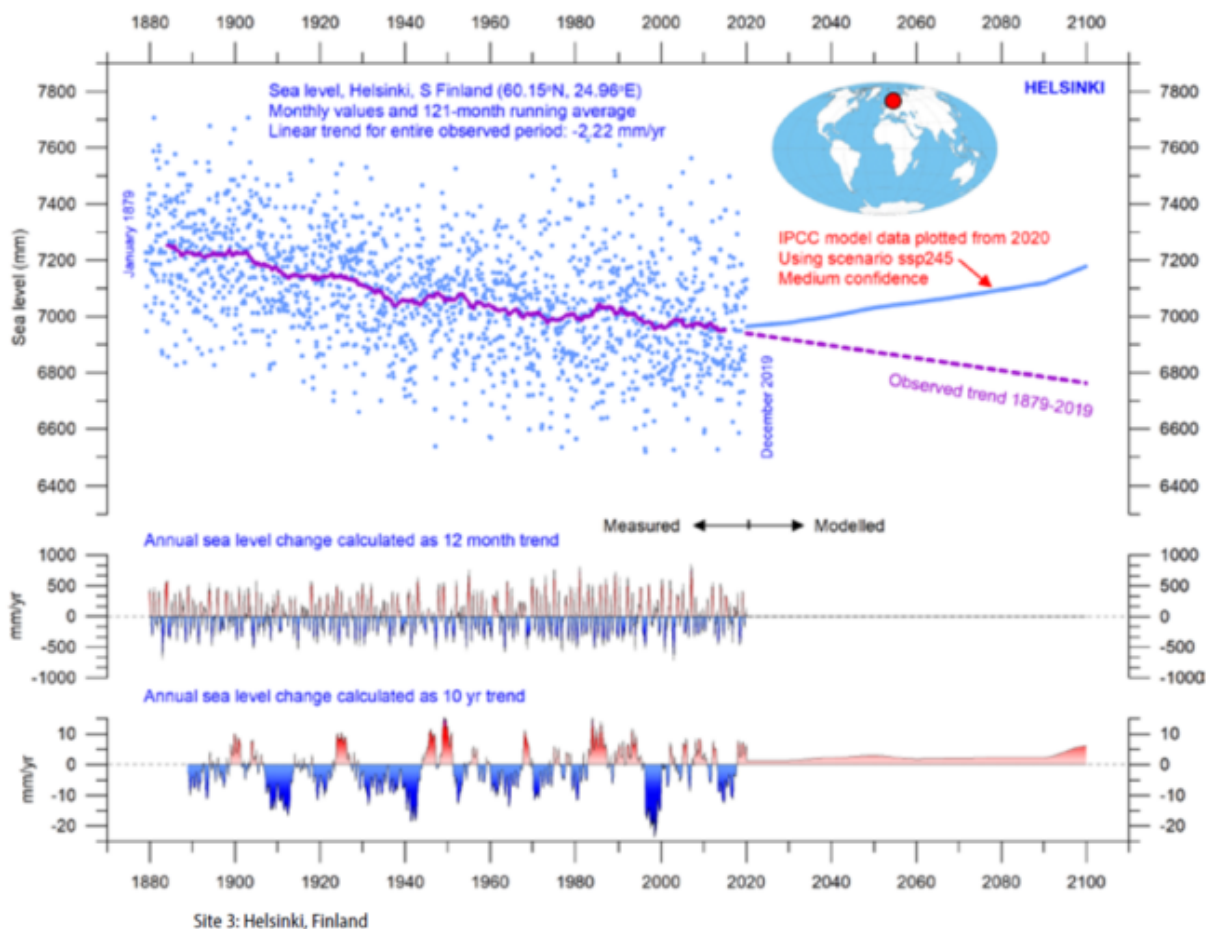
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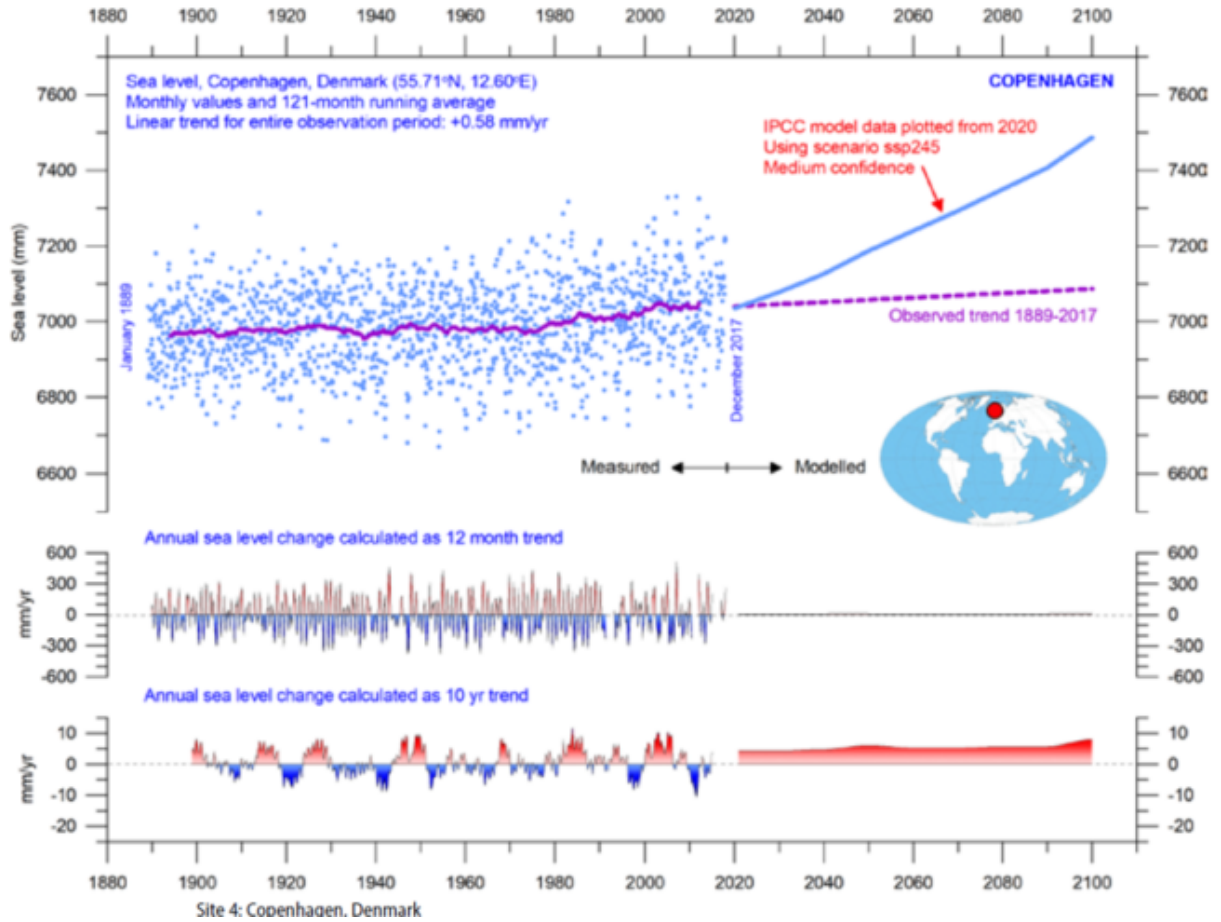
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?? ?? · Monday, May 15th, 2023

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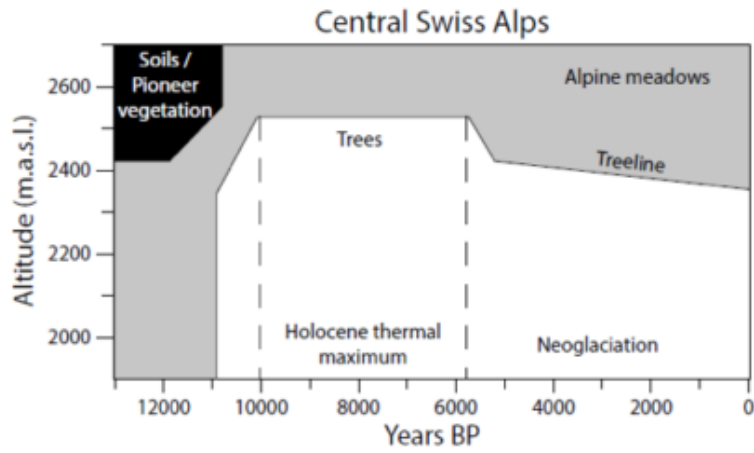


Figure 4: Fluctuations of the treeline in the Swiss Central Alps during the Holocene. The limits of the vegetational zones are placed between the sites according to the presence of the respective vegetation type as inferred by macrofossil analysis. Altitude in meters above sea-level. After Tinner & Theurillat 2003. Current treeline in the Swiss Central Alps is 150-200 m below Holocene Thermal Maximum treeline limit.

??Obliquity??
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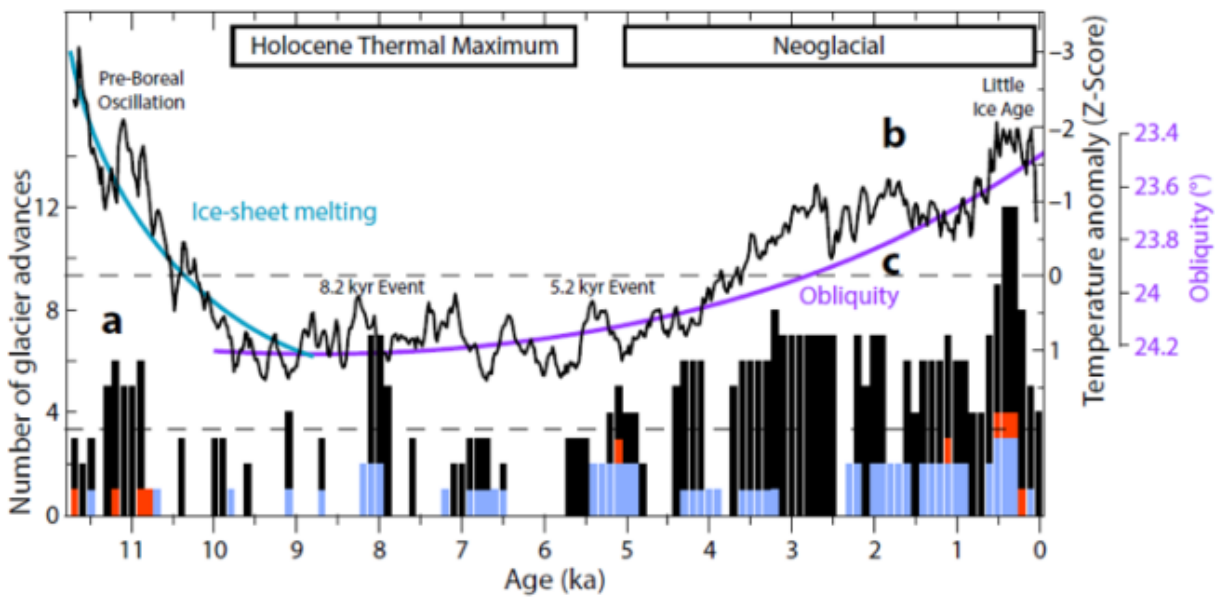


Figure 3: Glacial advances versus temperature (inverted) during the Holocene. a) Number of regions displaying glacier advances at each Holocene century. Black, NH 17 regions; orange, low latitudes single region; ice blue, SH 4 regions. Bottom dashed line, Holocene glacial position average. b) Inverted temperature reconstruction from the same 73 proxies used by Marcott et al. 2013. The reconstruction ends in 1910 and does not include modern warming. Temperature anomaly changes are expressed as Z-score (distance to the mean). Some well-known cooling periods or events are indicated by their accepted names. The period affected by the melting of the extra-Arctic ice sheets is indicated in aquamarine. c) Inverted changes in obliquity. Vinós, 2022, page 55.¹³

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?? ?? · Sunday, May 14th, 2023



borchee/iStock

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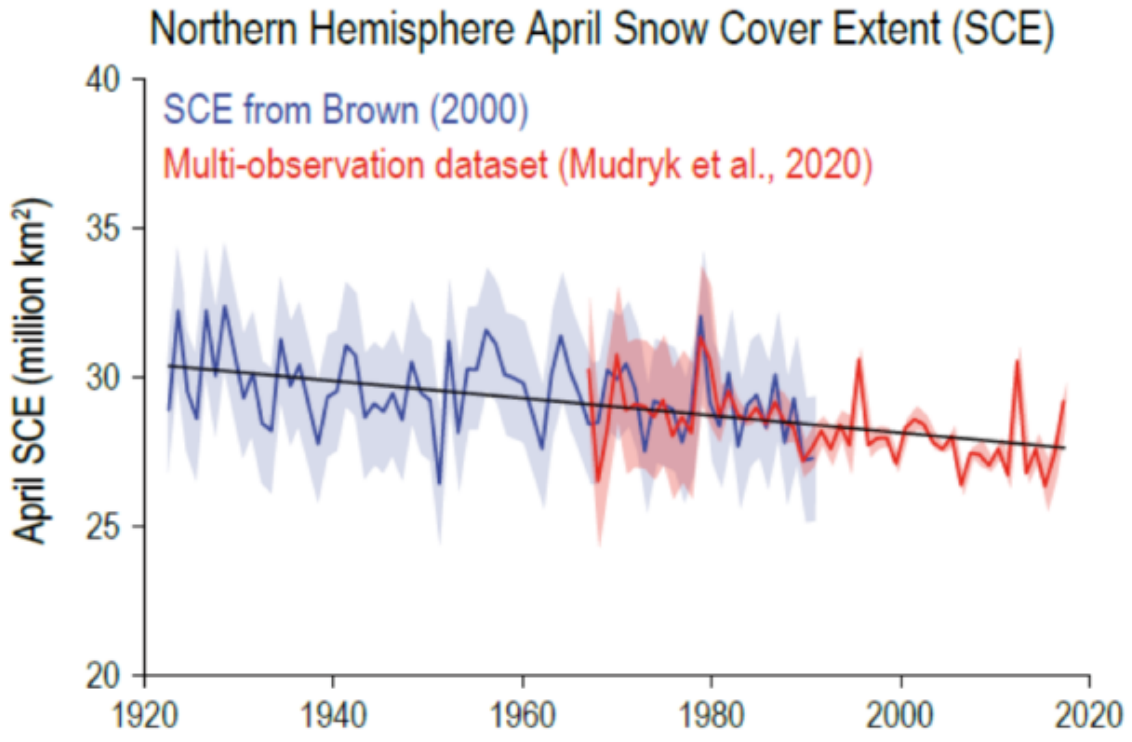


Figure 2: April snow cover extent (SCE) for the Northern Hemisphere. From: AR6, chapter 2.

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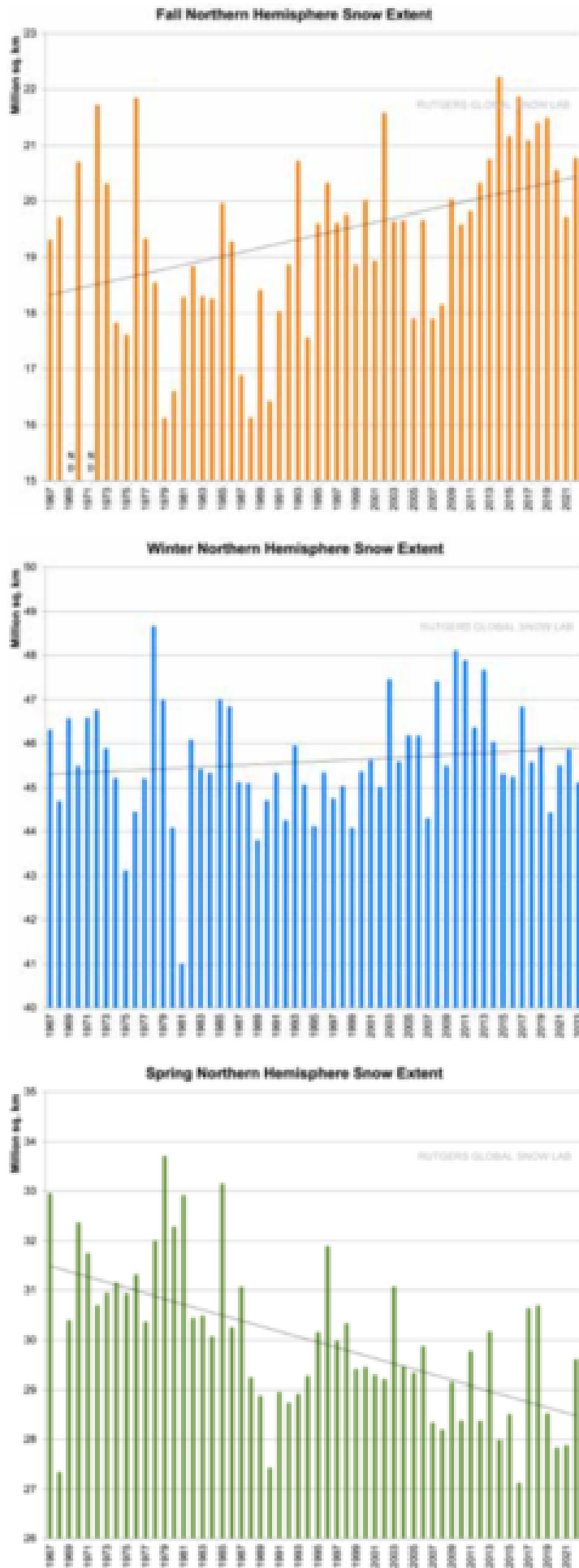


Figure 4: Snow cover extent (SCE) for the Northern Hemisphere for autumn, winter and spring. From: Rutgers Global Snow Lab (2023)

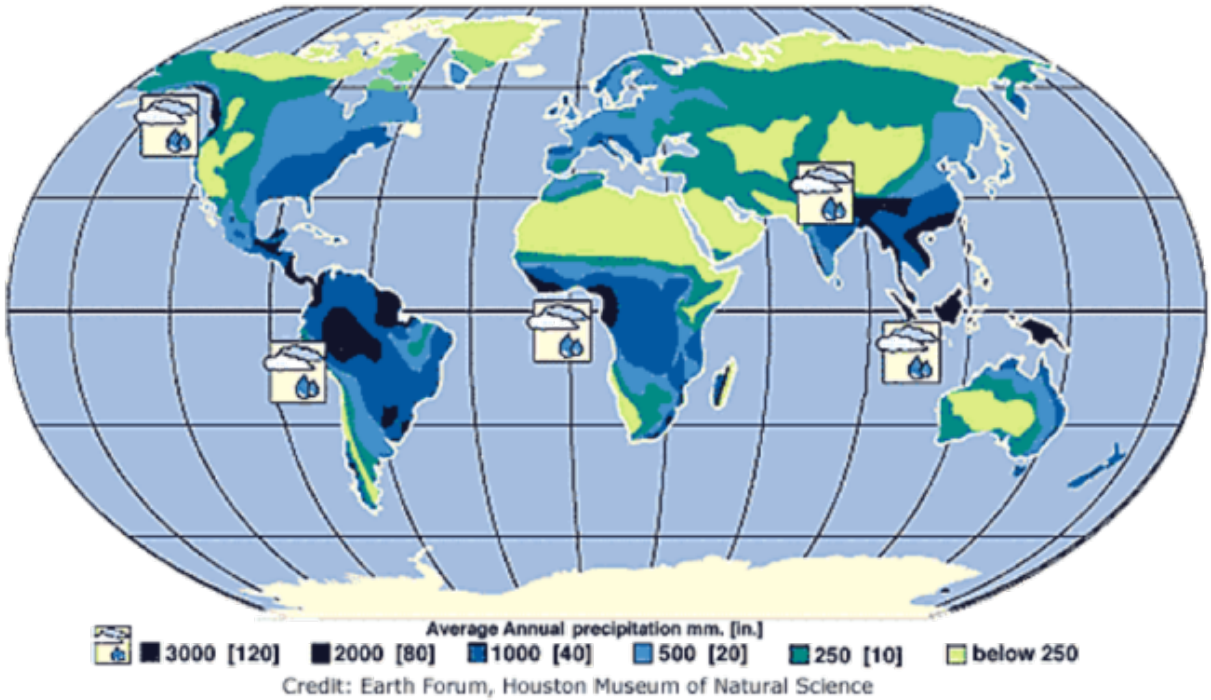
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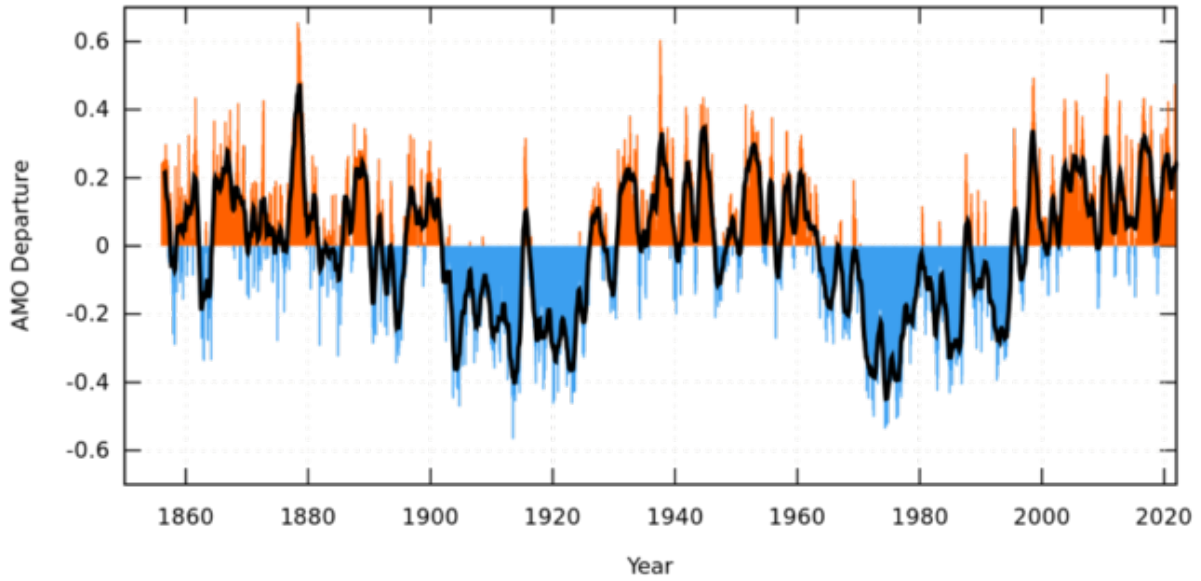
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Monthly values for the AMO index, 1856 - 2022



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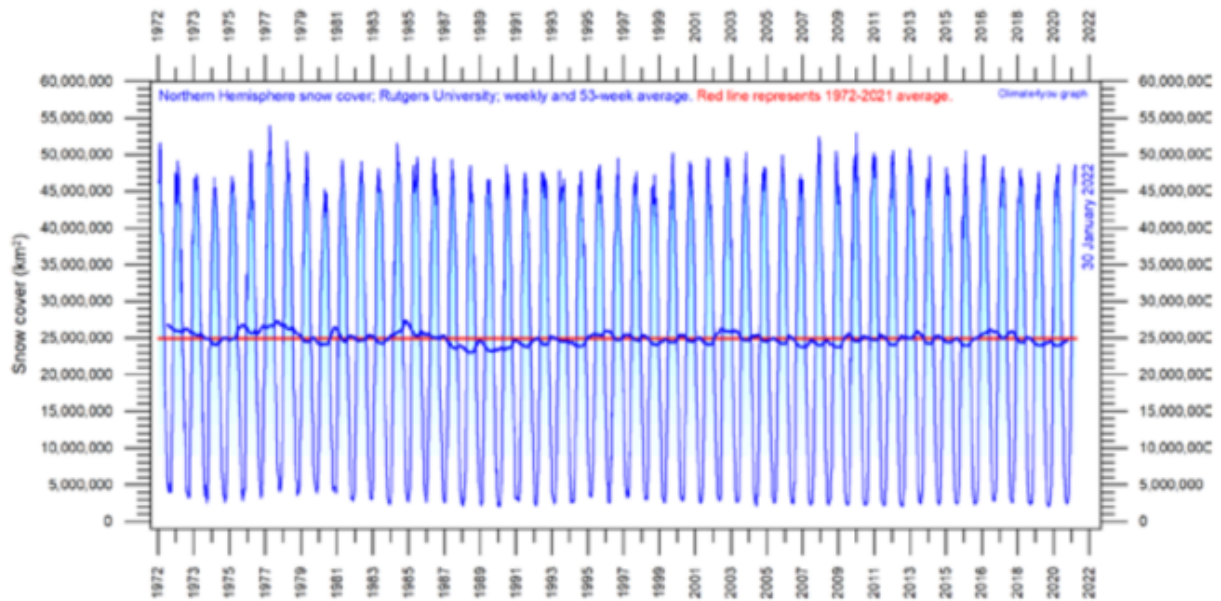


Figure 7: Northern hemisphere weekly snow cover since January 1972 according to the Rutgers University Global Snow Lab (<http://climate.rutgers.edu/snowcover>), the thin blue line is the weekly data, and the thick blue line is the running 53 week average (approximately 1 year). The horizontal red line is the 1972-2021 average. Last week shown: week 1 in 2022. Last figure update: 11 January 2022. Source: Ole Humlum, climate4you.com

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RFK Jr.?2024????????????????????

?? ?? · Wednesday, May 10th, 2023



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Kanur Ismail/iStock

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年	日本	米国
1997年	▲6% (橋本政権)	▲7% (クリントン政権)
2015年	▲26% (安倍政権)	▲26% (オバマ政権)
2021年	▲46% (菅政権)	▲50~52% (バイデン政権)

CO2

CO2 CSR

2021 2021 46% 2024 ESG

ESG ESG

CO2

ESG CO2 CO ESG

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SDGs

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

EU?EV????????????????????e-fuel????

?? ?? · Sunday, April 30th, 2023



a-image/iStock

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UN Secretary for Global Comms says we “own the science” on “climate change,”
and we think that “the world should know it.”

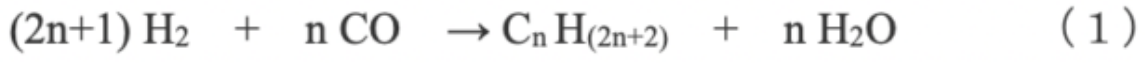
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Posted in ??????????, ??? | [No Comments »](#)

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?? ?? · Monday, April 24th, 2023



nndanko/iStock

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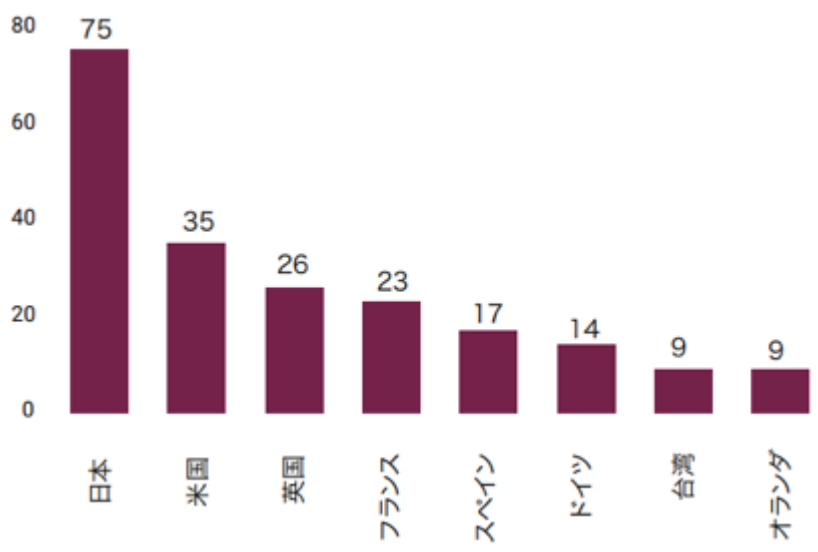
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気候変動 Aリスト 2022

Aリスト国・地域別企業数(上位8か国)



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CDP CO2 CO2 Tier1
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(a)会社名	(b)調達金額 (円)	(c)各社の売上高 (円)	(d)各社の CO2 排出量 (トン)	(e)=(d) × (b) ÷ (c) (トン)
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B社				
C社				
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2021 6 2022 3 5

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?? ?? · Sunday, April 16th, 2023



deepblue4you/iStock

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Hydrogen

Friday, April 14th, 2023



Leestat/iStock

2017-2021 Hydrogen production capacity in the EU is expected to reach 15 million tonnes per year by 2021, up from 6 million tonnes in 2017.

Hydrogen production capacity in the EU is expected to reach 15 million tonnes per year by 2021, up from 6 million tonnes in 2017.

2021-2025 Hydrogen production capacity in the EU is expected to reach 15 million tonnes per year by 2025, up from 15 million tonnes in 2021.

Hydrogen production capacity in the EU is expected to reach 15 million tonnes per year by 2025, up from 15 million tonnes in 2021. CO2 emissions from hydrogen production are expected to be significantly reduced by 2025.

Hydrogen production capacity in the EU is expected to reach 15 million tonnes per year by 2025, up from 15 million tonnes in 2021. CO2 emissions from hydrogen production are expected to be significantly reduced by 2025.

Hydrogen production capacity in the EU is expected to reach 15 million tonnes per year by 2025, up from 15 million tonnes in 2021.

Hydrogen production capacity in the EU is expected to reach 15 million tonnes per year by 2025, up from 15 million tonnes in 2021. CO2 emissions from hydrogen production are expected to be significantly reduced by 2025.

Hydrogen production capacity in the EU is expected to reach 15 million tonnes per year by 2025, up from 15 million tonnes in 2021.

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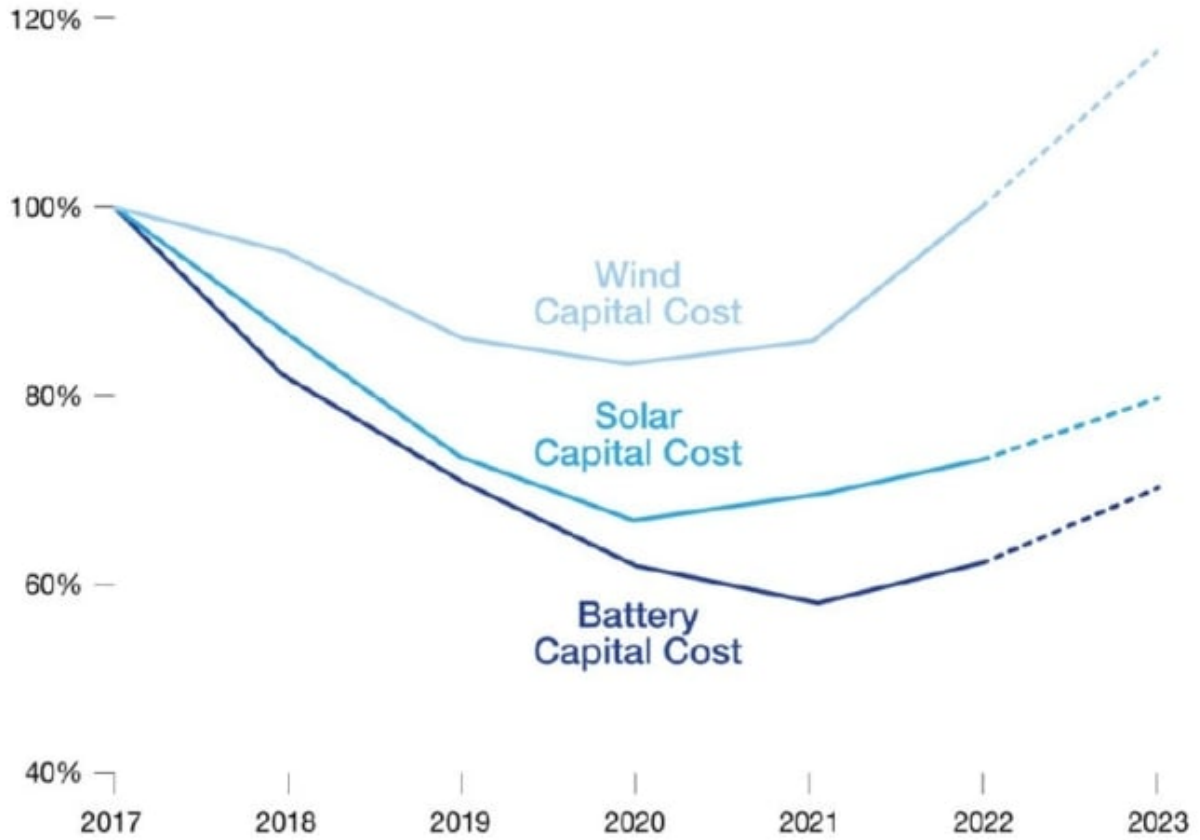
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Costs of Wind, Solar, and Battery Hardware

Change from 2017

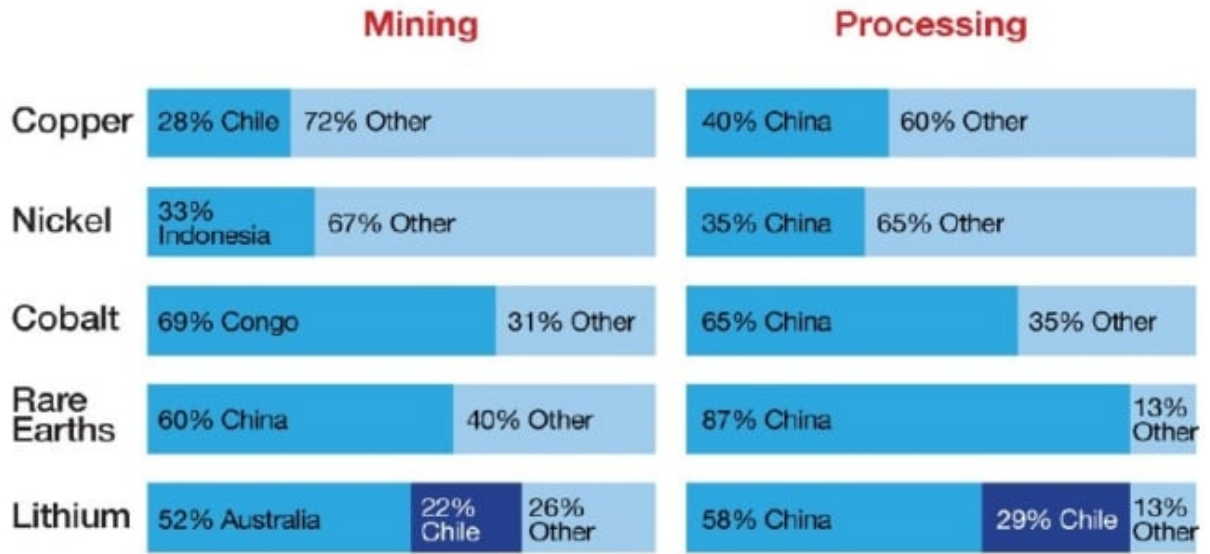


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Sources of Key Energy Transition Minerals



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HiddenCatch/iStock

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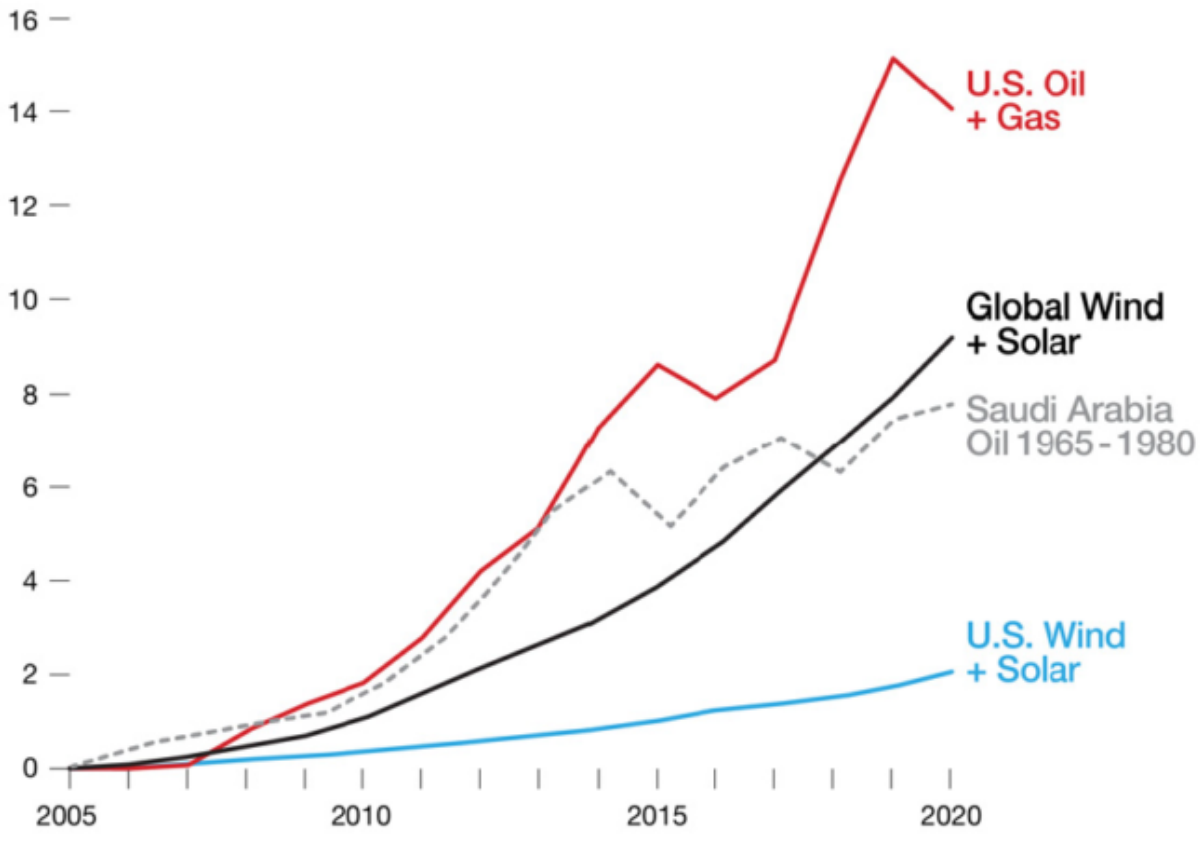
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Growth of Shale Energy vs. Wind+Solar 2005–20, Compared with Saudi Arabia Oil 1965–80

Increased Production (Million BOE/Day)

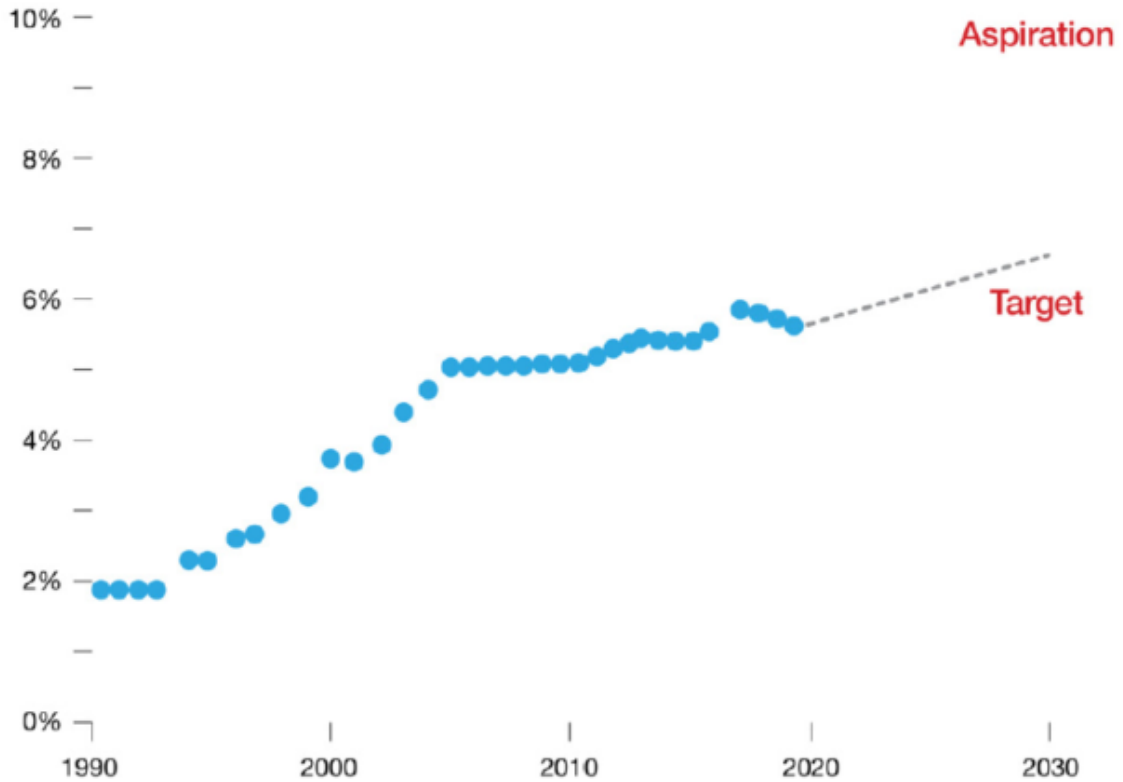


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Battery Energy Density* (% of Gasoline Density)



*Note: Density comparison incorporates the doubly superior efficiency of a battery+motor vs. gasoline+engine.

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Viktor Sidorov/iStock

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 ?? ? · Sunday, April 2nd, 2023



Jorm Sangsorn/iStock

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1853?3?70?1923?1995?2011?
2016?100?150?

1850?

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

??EV????????????????????????????????

?? ?? · Saturday, April 1st, 2023



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EV????????????

????????15.4??2020????????????????11.0????????4.4????????????????????????6200????????
1600????7800????????????????EV????????????????1640??2021????????1????????

????????????????????15????????15.4????????1????????????????EU????????????????EV????
????????????????1??EV????????????????

EV????????????????1??500kg????????????2000kg????????1??EV????????7000????????3000?
????????????????????????????500kg?7000?? ? 2000kg?3000??9500????????????

2020????EV????????145.5GWh????????2021.11????EV??80kWh????????500kg????????6kg?kWh??
?145.5kWh????????90????????????1??EV????????????9500????2020????????100????????
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 TESLA MOTORS CLUB?????

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EV????????????67??2019????????????95????????EV????????????EV??CO2??
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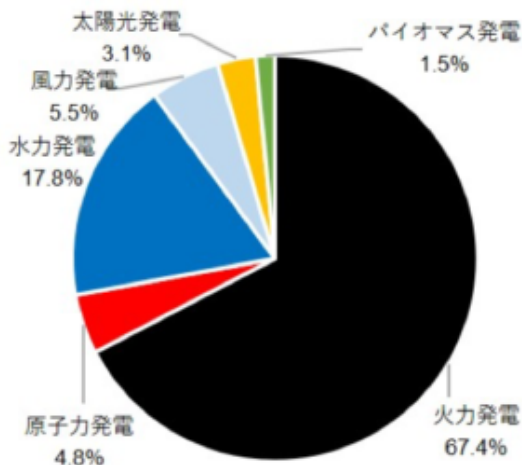


図4 2019年の中国の発電電力量の構成

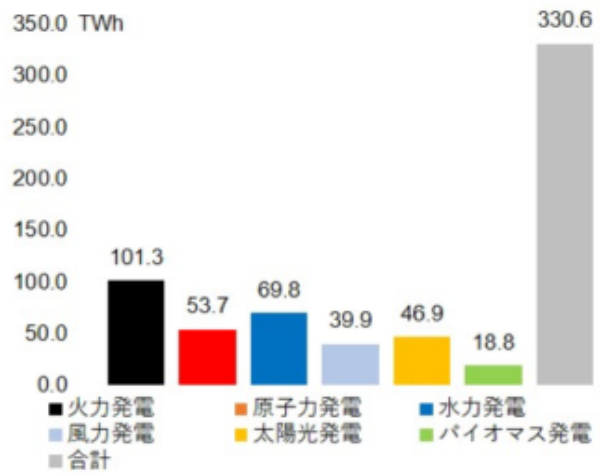
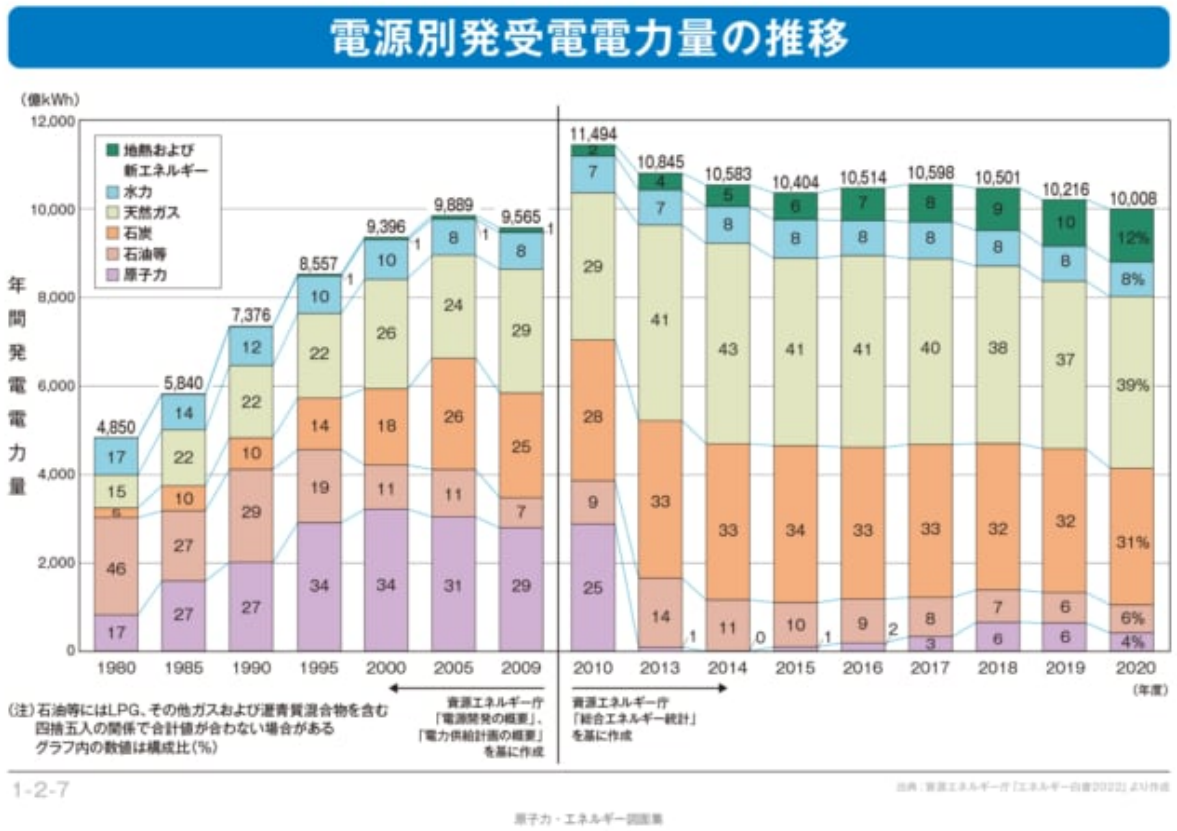


図5 2019年に増加した発電量の内訳

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????????EU????????2035????????EV????????????????????????
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EV??CO2??

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???CO2????????????CCS????CO2??
??2030????????????2050????
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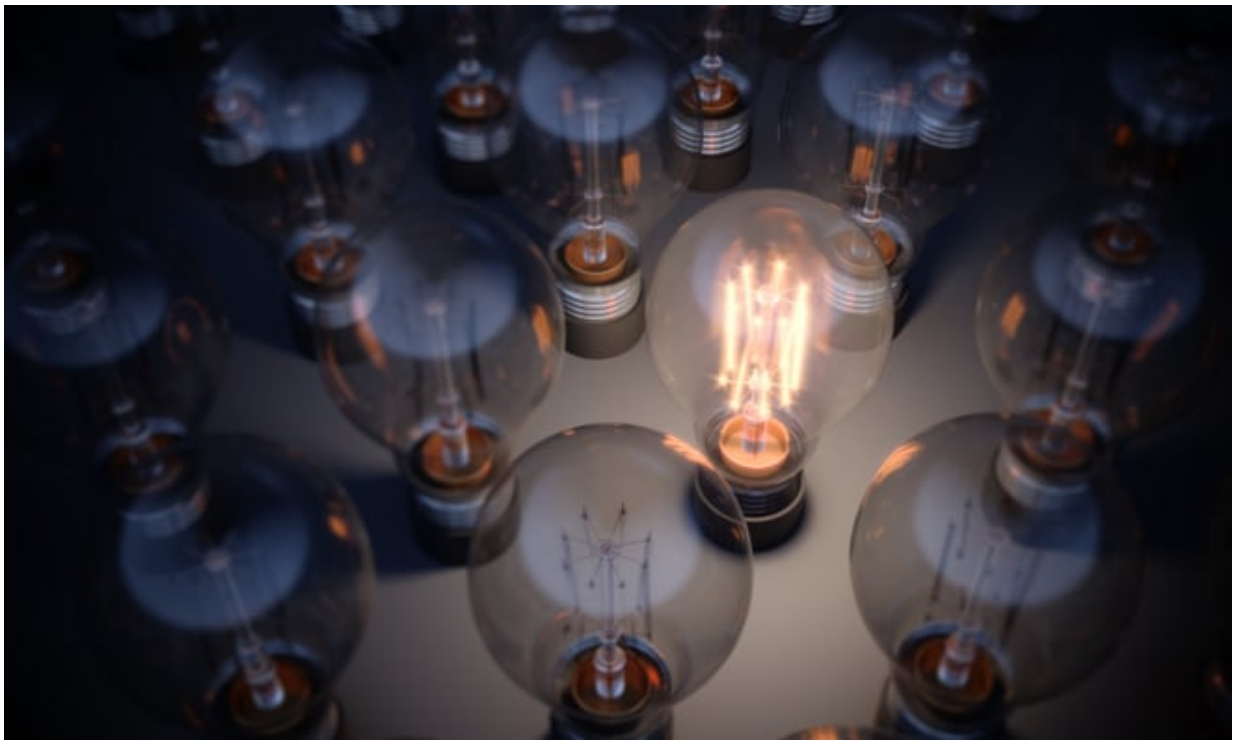
????????????EV????CO2????????????????????????????????CO2????????????????????????
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????GX????????????????????????????EV????????????????????

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

?????iBR????????????????

?? ?? · Thursday, March 30th, 2023



Eoneren/iStock

????GX??

????????????????????ABWR?????????)?APWR(????????)????????????????
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????????SRZ?1200????????

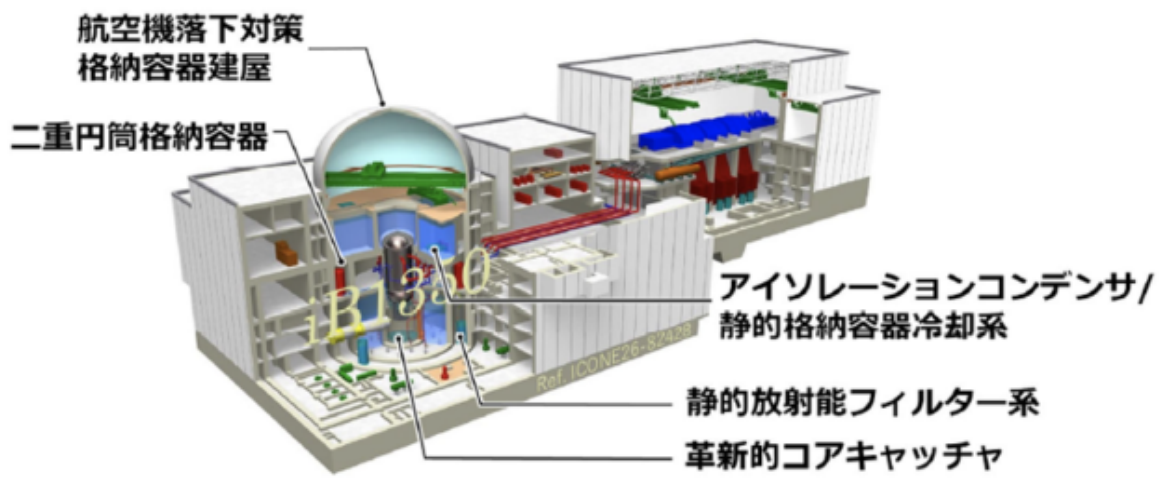
??????SRZ1200???

iBR????????????

iBR???innovative-intelligent-inexpensive BWR
??135????????iB1350????

iB1350の全体概要図

建設実績のあるABWRをベースとして、様々な革新的安全系を採用。
高い安全性を達成しつつ、建設性や経済性にも配慮。



iB1350

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

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?? ?? · Wednesday, March 29th, 2023



AlxeyPnferov/iStock

3????EU????????????

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for
55????????????????????2035????????????EV????????????3?7????????????????
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EU????????????27??3????????????????
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?? ?? · Wednesday, March 29th, 2023

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Atstock Productions/iStock

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

EU???????

?? ? · Tuesday, March 28th, 2023



PeskyMonkey/iStock

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EU?2022?5??REPowerEU??
??EU????????????????????????????????RePowerEU????????????????????1??1????????????????

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2022?6????????EU????????????????????????40????????????????????10????7.5????????????
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1997?3?24??

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- ?????400t????????????30%??????
- ?????13?700?m³????????????34%?????
- ?????2?1900t????????????40%???????

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出所：中国中央電視台 (CCTV) 2015年3月8日

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?? ?? · Thursday, March 23rd, 2023



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

Harry Wedzinga/iStock

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????2023?3?15????????????BBB?BoerBurgerBeweging????????????1????????????????
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(a) 2019年

(b) 2023年

● VVD ● GROENLINKS ● SGP ● PVV ● CDA ● FvD ● CU ● PvdA ● SP ● Anders
● BBB // Tussenstand



1??NOS?2023????????????2019????????????BBB?????????????
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?????4????????????????????????12????????????????????????5????????????????BBB?4?????????????????????????????
??DNYUZ,
2023)????????????57.5%????????????????????????Fox News, 2023??

??EU????????????????????
?2030??50%?????????????????

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??2??



2022 74 Fox News, 2023

BBB

BBB DNYUZ, 2023)

[Redacted text block]

Posted in [Redacted], [Redacted], [Redacted] | No Comments »

[Redacted text block]

GEPR · Sunday, March 19th, 2023

[Redacted text block]



Achisatha Khamsuwan/iStock

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??2025?4????????????????????????????????????

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XPCC??1954??1981????????????
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????24500????????????70??82?6000??

????2021??GDP????????????3395.61??????????

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??2021?6?24? ???5????????????????????

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????2022??IPAC????????20????????????????????2873??

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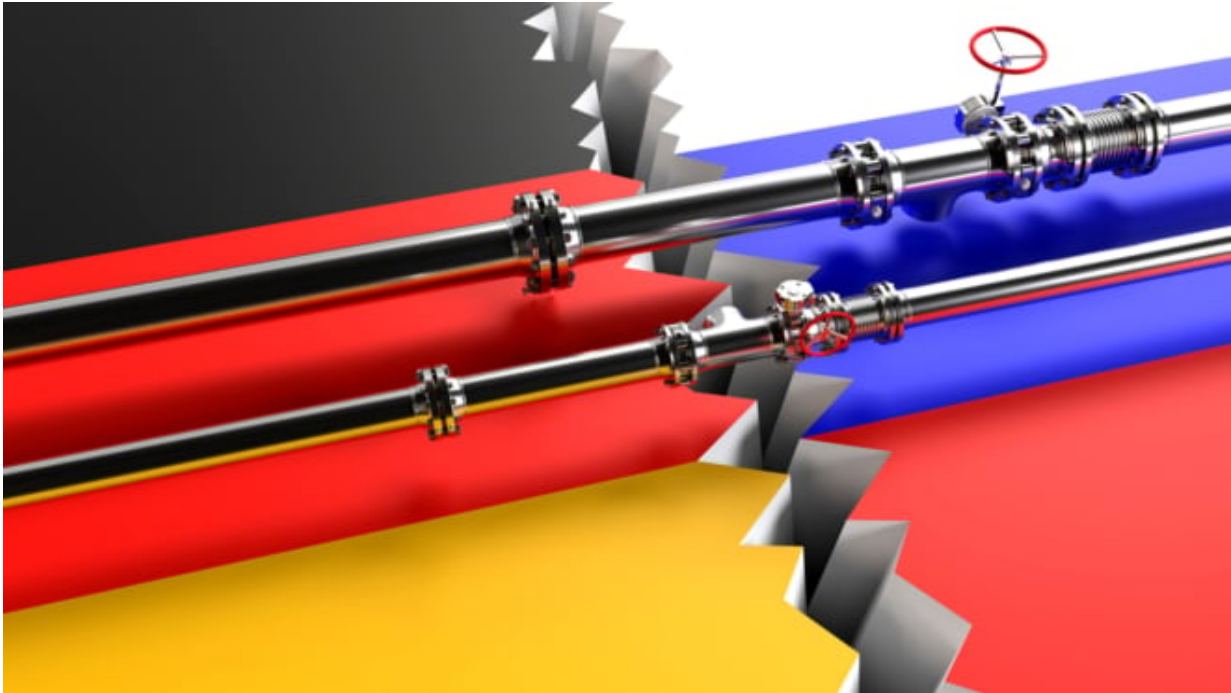
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Leestat/iStock

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MV

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2005
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EU
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2019?12?160km?

MV?MV?21?1?8?

20?100?2000?

1.65?215?

21?5?9?

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2?6?

2?2?1?

22?9?

4?NATO?2?

MV?

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980?50?4?

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9?2300?30?

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Posted in ???, ?? | No Comments »

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?? ?? · Wednesday, March 15th, 2023

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??WSJ????????Breitbart????????????Fox News?3???

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Bet_Noire/iStock

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Bjorn Lomborg Climate Report: Hurricanes ‘Unprecedentedly Weak’ in 2022

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Thomas D. Williams, Ph.D.
Breitbart News Network – 30 Jan 2023

????????????????????CNN?GAF??
????WSJ??????

Partisan ‘Fact Checkers’ Spread Climate-Change Misinformation

I posted sound statistics on polar-bear populations, and Agence France-Presse called them ‘misleading.’

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S.O.S for the U.S. Electric Grid

PJM Interconnection sounds the latest alarm that fossil-fuel plants are shutting down without adequate replacement power. The political class yawns.

????S.O.S.?PJM??
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By The Editorial Board Follow
Feb. 26, 2023 4:47 pm ET

The Ukraine War Lesson Europe Refuses to Learn

The Continent is taking national security seriously but closes its eyes to the risks of ‘green’ energy.

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Joseph C. Sternberg hedcutBy Joseph C. SternbergFollow
Feb. 23, 2023 1:06 pm ET

CHINA Published February 20, 2023 2:00am EST

CCP-backed tech companies are poised to cash in on Biden’s climate bill, national security experts warn

Ford has ‘serious questions to answer,’ Sen. Joe Manchin’s office tells Fox News Digital

Thomas CatenacciBy Thomas Catenacci | Fox News

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?????????????????Fox News Digital?????

DIGITAL ORIGINALS Published February 21, 2023 2:00am EST

Does China’s purported green energy push signal a coming conflict with the US?

Climate talks between the US and China are meant to appease westerners, not actually enact change, policy analyst says

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By The Editorial Board
2023?3?3? 13:31 JST

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Capitalism?????????ESG?????????????????????ESG????????????????????????????????????
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???ESG?????2024????????????????????????????????????

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By Julie Bykowicz and Angel Au-Yeung
2023?3?3? 08:34 JST

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

ESG????????????68????????????????

By Jason Zweig
2023?2?6? 07:33 JST

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

