

Global Energy Policy Research | GEPR

GEPR <http://agorajp.com/>

G7 COP27

Wednesdays, May 24th, 2023

COP27 G7



2050 CO₂ 1.5

Global Energy Policy Research | GEPR

CO₂ CO₂



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???Twitter by True Science PEng, DFP, ADFS, MA, MBA



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Posted in ?, ??? | No Comments »

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?? ?? · Monday, May 22nd, 2023



Wikipedia??

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

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?? ?? · Saturday, May 20th, 2023

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Allkindza/iStock

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FACT SHEET: Biden-Harris Administration Proposes New Standards to Protect Public Health that Will Save Consumers Money, and Increase Energy Security

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- ?????CO₂????2?????100????CO₂????????????????????????????????
- EV1????????????????12,000????????????????????200????????????????????????????????
- ?????????????????2032????????????????????SUV????????????67????????????????????50????????
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- CO₂??5000ppm????????????????????????1000ppm????????????????????
- ?????CO₂??430ppm??
- EV1????????12,000??
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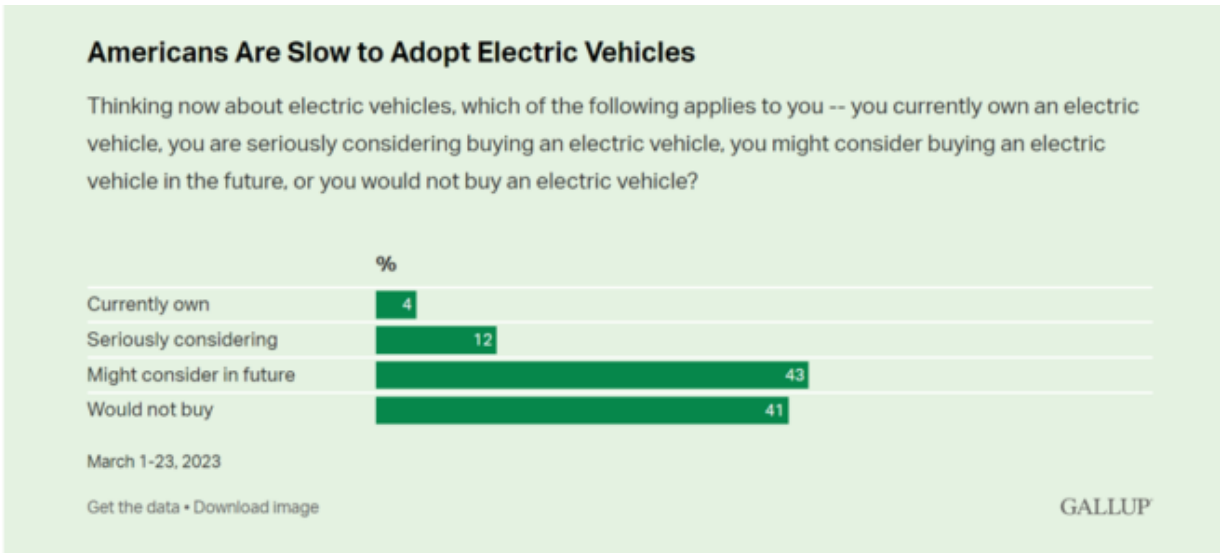
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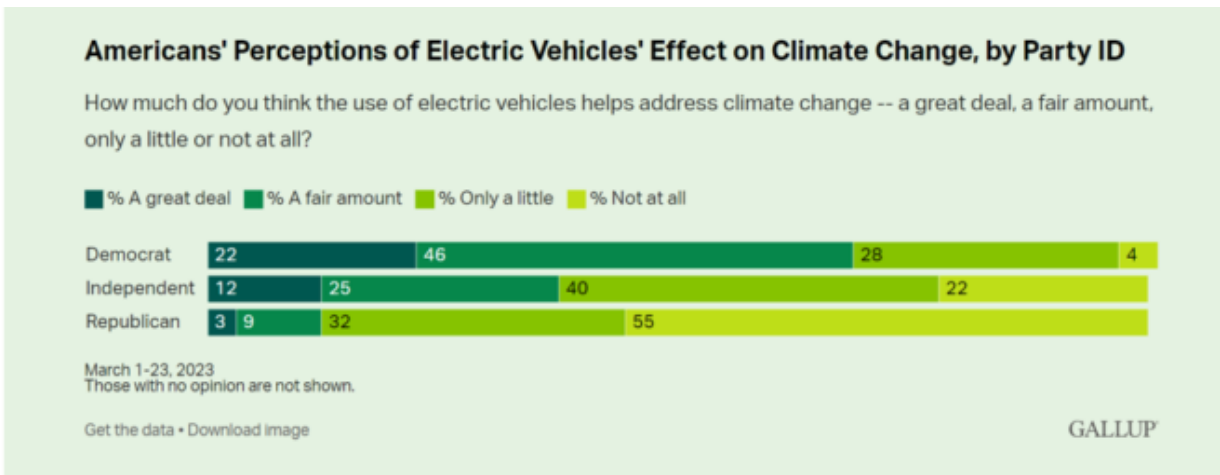
Most Americans Are Not Completely Sold on Electric Vehicles

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- EV????????4????????????????12????????????????EV????????
- ?????43% ?????EV????????????????????41% ?????????????



- ?????????????????EV????????????5????????16????????58????????????????????
- EV????????????????????????????????????EV????????????????????????????3?2???EV???
- ?????22????????46????????
- ?????55% ?????????32% ?????????????
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57??2026????10??EV????????????????????????????????150??????
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Posted in ????????????, ???, ?? | No Comments »

IPCC?????63????????????????????????????????

?? ?? · Tuesday, May 16th, 2023



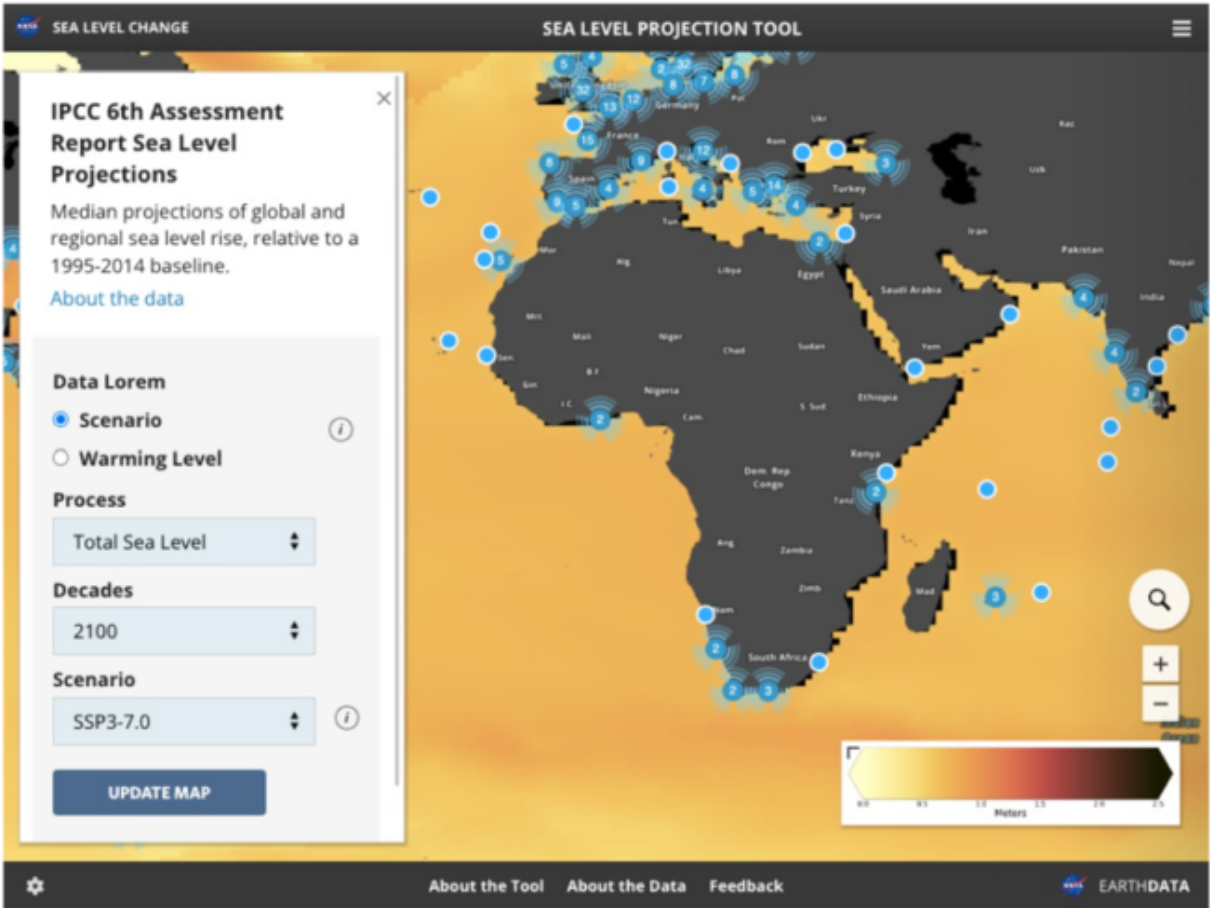
remotefx/iStock

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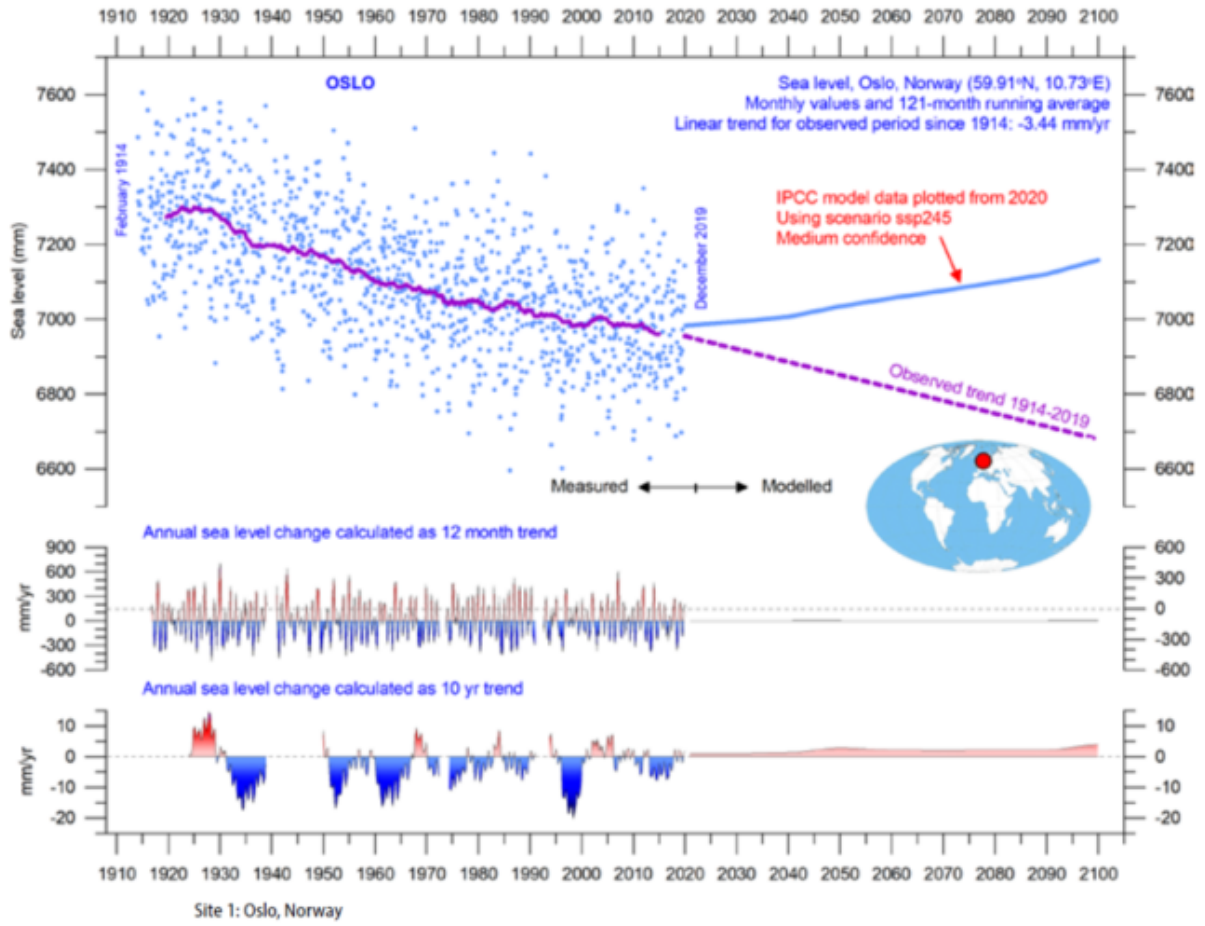
IPCC AR6 Sea Level Projection Tool



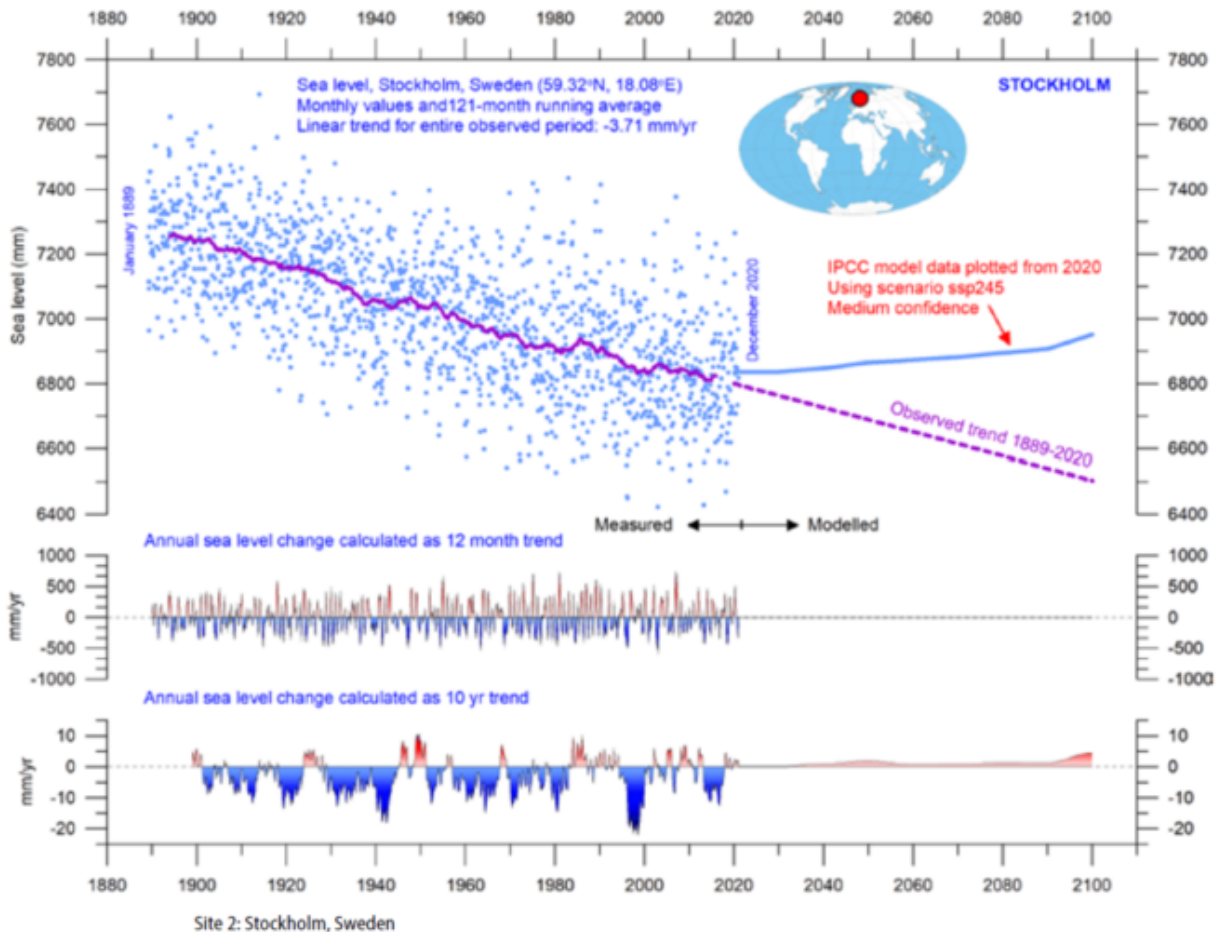
IPCC AR6 Sea Level Projection Tool

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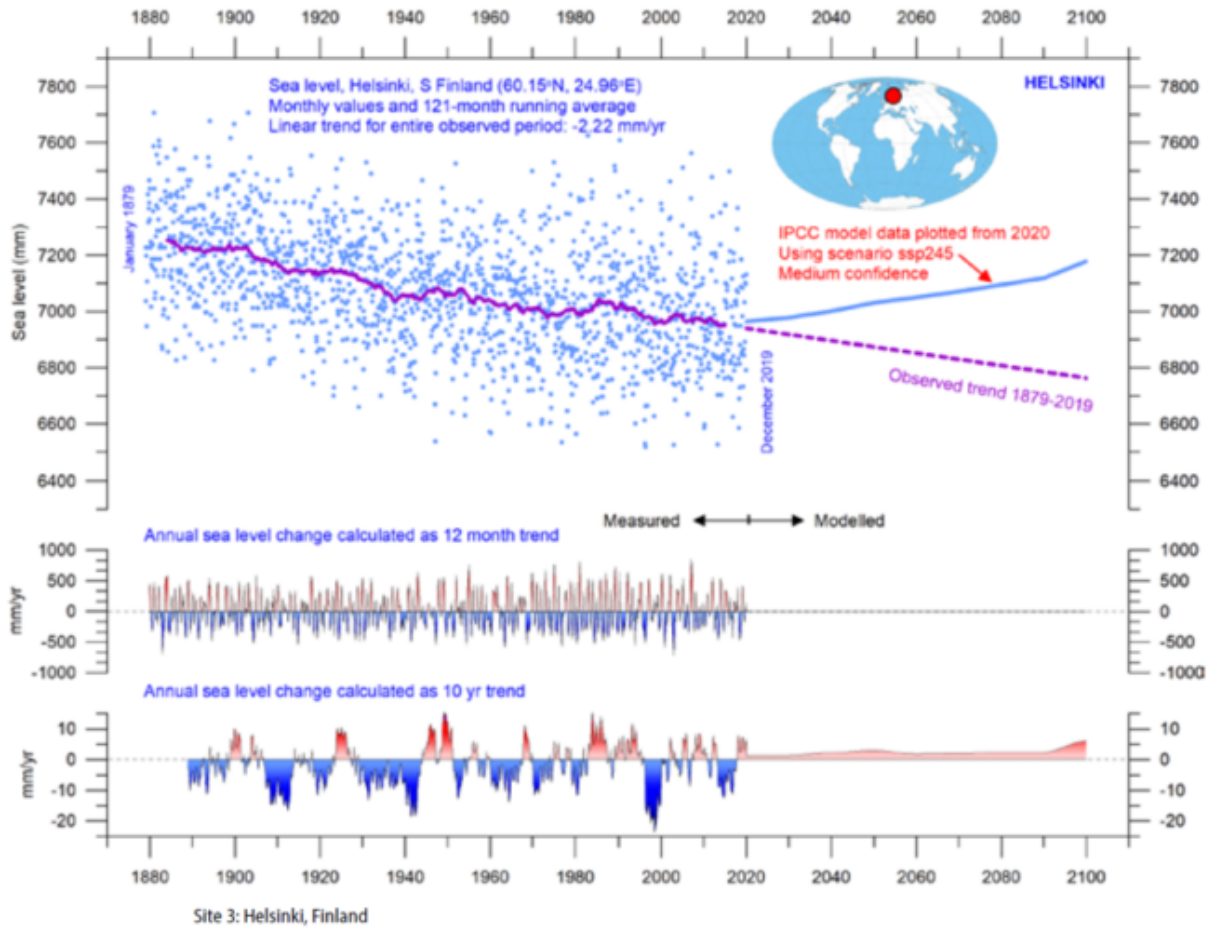
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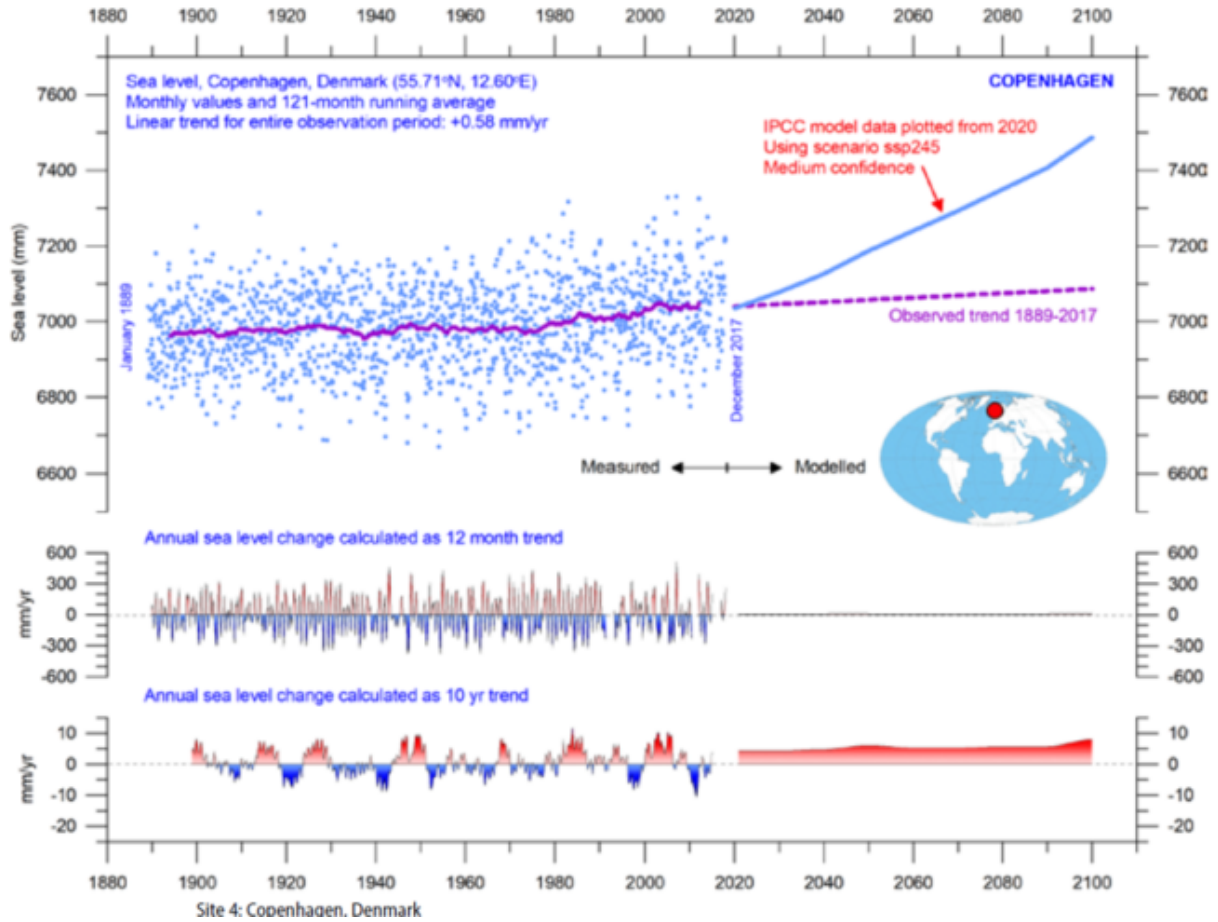
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Posted in ???, ????? | No Comments »

IPCC??????62??????????????????

?? ?? · Monday, May 15th, 2023

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[Wikipedia??](#)

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- ??????????9000???2500?????150-200m???
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- ??????????9500???6500?????600-700 m???
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Posted in ???, ????? | No Comments »

IPCC?????61?????????????

?? ?? · Sunday, May 14th, 2023



borchee/iStock

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IPCC??????4??????Snow Cover Extent, SCE??

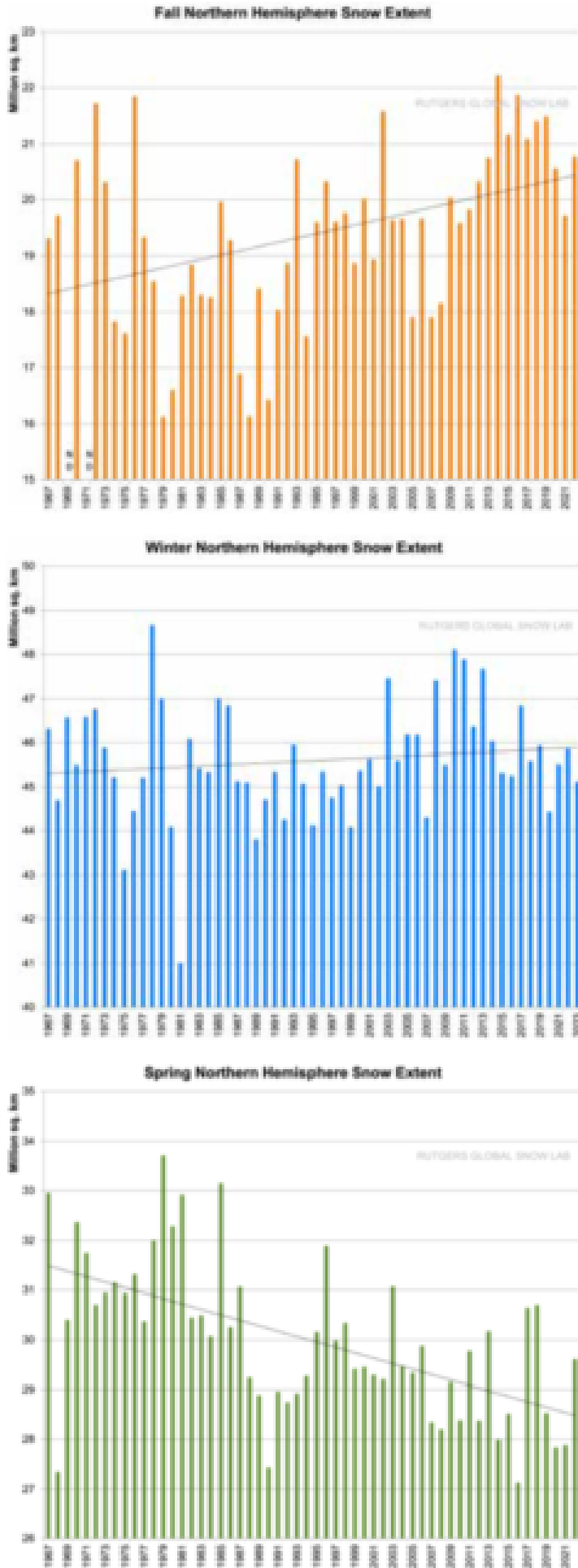


Figure 4: Snow cover extent (SCE) for the Northern Hemisphere for autumn, winter and spring. From: Rutgers Global Snow Lab (2023)

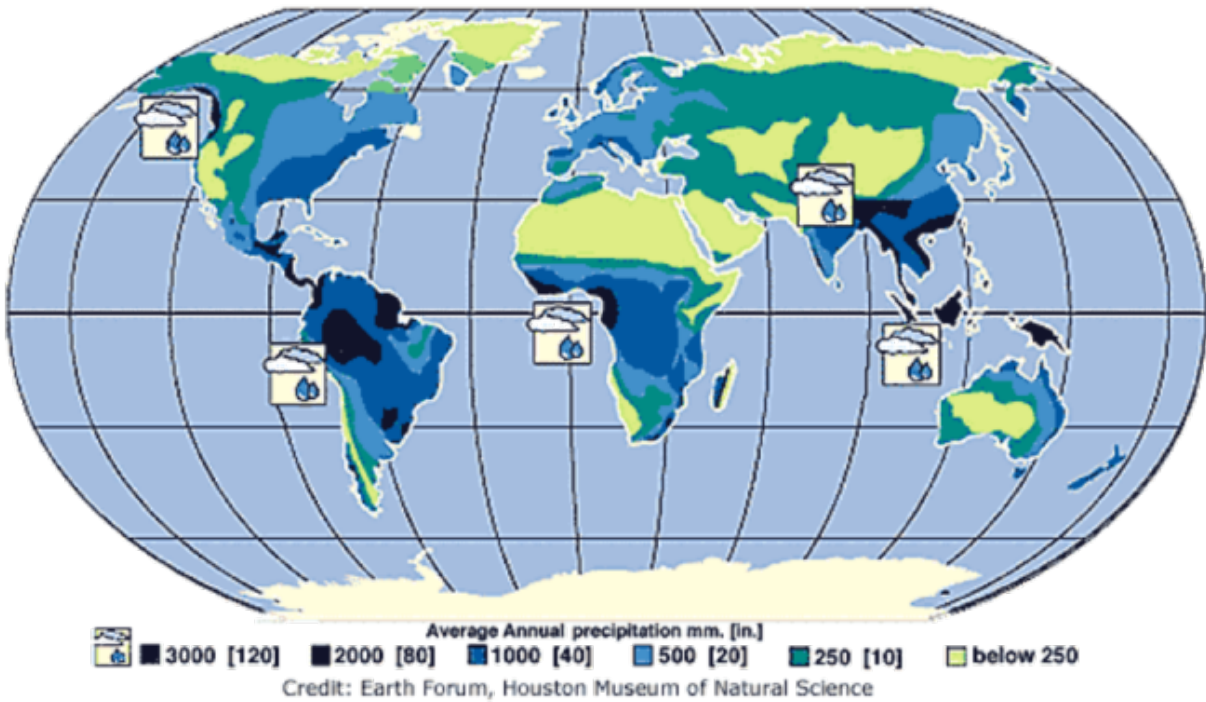
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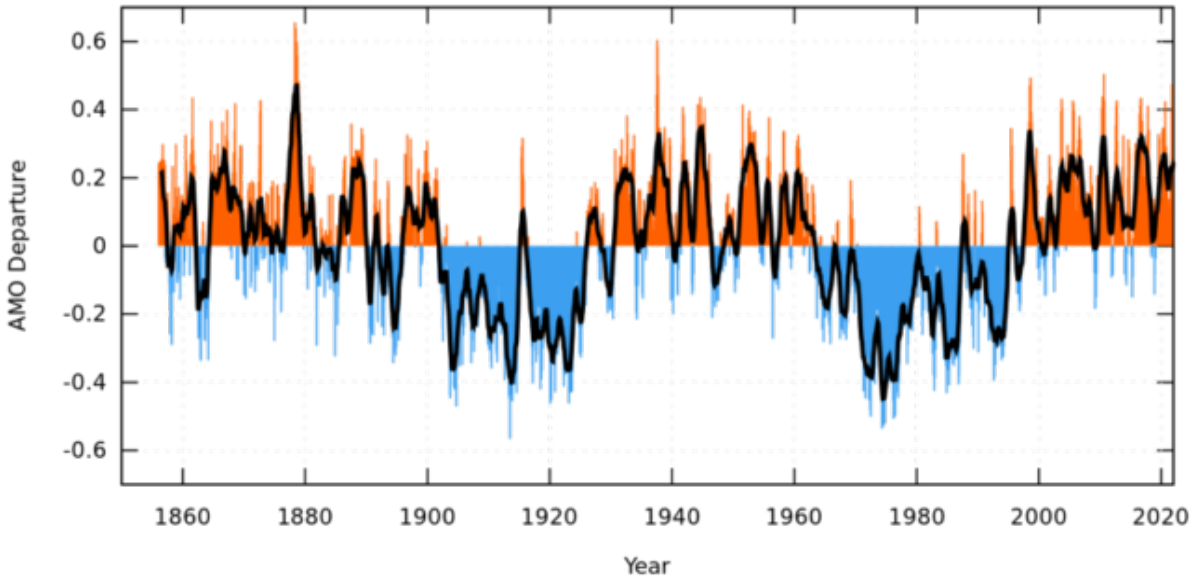
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Monthly values for the AMO index, 1856 - 2022



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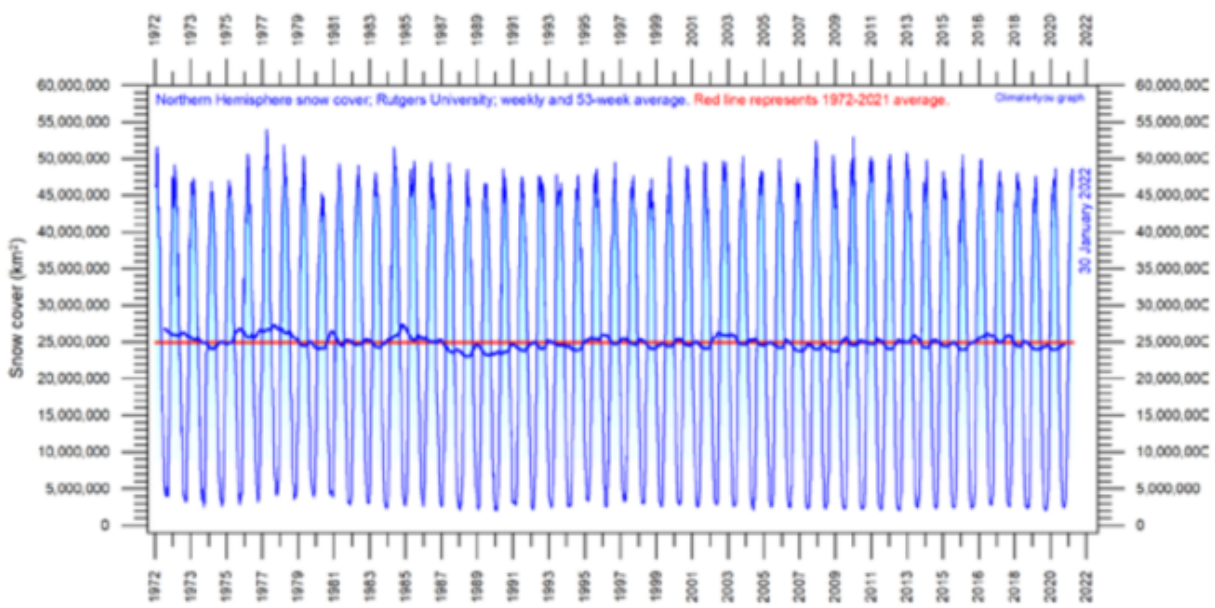


Figure 7: Northern hemisphere weekly snow cover since January 1972 according to the Rutgers University Global Snow Lab (<http://climate.rutgers.edu/snowcover>), the thin blue line is the weekly data, and the thick blue line is the running 53 week average (approximately 1 year). The horizontal red line 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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?? ??? ?? · Thursday, May 11th, 2023

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Posted in ???, ?? | No Comments »

RFK Jr.?2024????????????????????
?? ?? · Wednesday, May 10th, 2023



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kennedy24.com??

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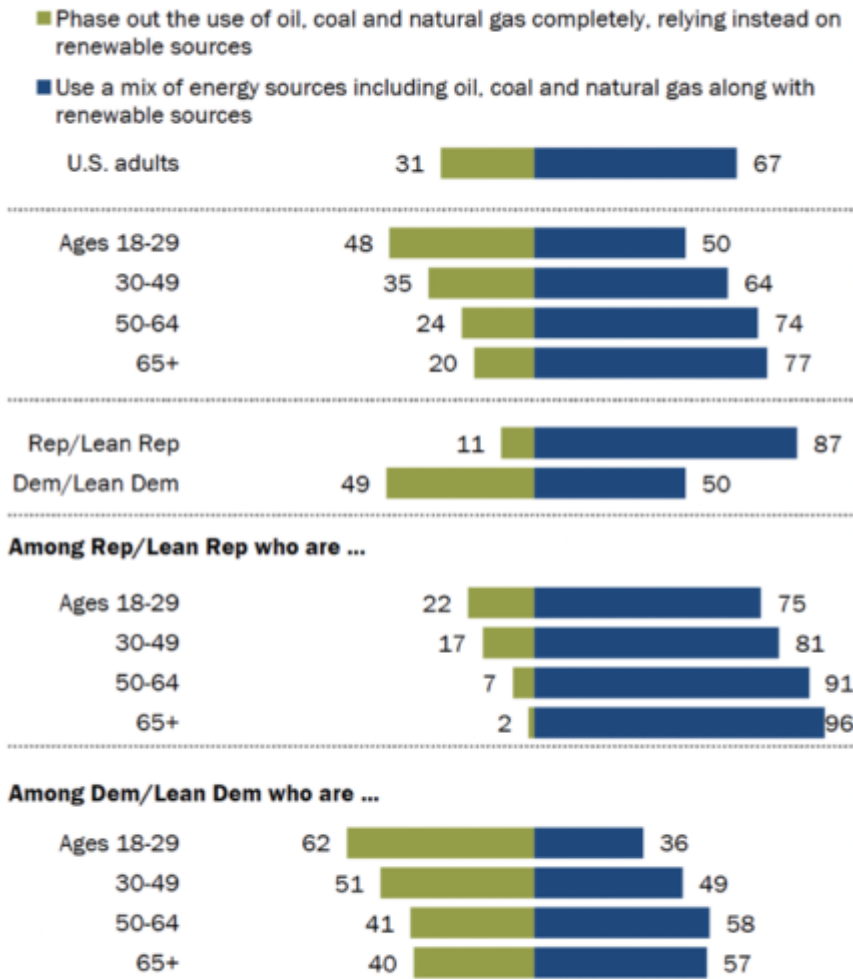
????RFK Jr. Says Climate Change Being Exploited to Push 'Totalitarian Controls' (theepochtimes.com)?

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Younger U.S. adults more open than older adults to phasing out fossil fuels completely

% of U.S. adults who say that the U.S. should ...



Note: Respondents who did not give an answer are not shown. Source: Survey conducted Jan. 24-30, 2022.

PEW RESEARCH CENTER

???What the data says about Americans' views of climate change?Pew Research Center ?

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News??20????????????????????????

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Posted in ???, ?? | No Comments »

2023??ESG??????????

?? ?? · Saturday, May 6th, 2023



Kanur Ismail/iStock

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initiative??NZBA????????19????????????
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??COP27????????????????????????????CO2?????
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2023????????EU????????????????????????????????????2035?EV????????????????????????????????????ESG???

ESG 19 ESG

2024

CO2

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

EU?EV?????

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1. 400????????????EV??10????????????20????????????10?15??
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2. ?EV????????????????????????????37????????????????????????10?20????????????50?150????????????600????
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3. EV????????????????????????????????30????????????????????????2????????????????????EV????????????
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??3????????????????????????????????????

??WEF????????????????CO₂??WEF?Sustainable
Development Impact Meetings????????????????????????

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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Tropsch?FT????????????????????FT????1920????????????????FT????????????????
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Posted in | No Comments »

G7

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41516 G7



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Manufacturers????????????????????????????

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

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?? ?? · Monday, April 24th, 2023



nndanko/iStock

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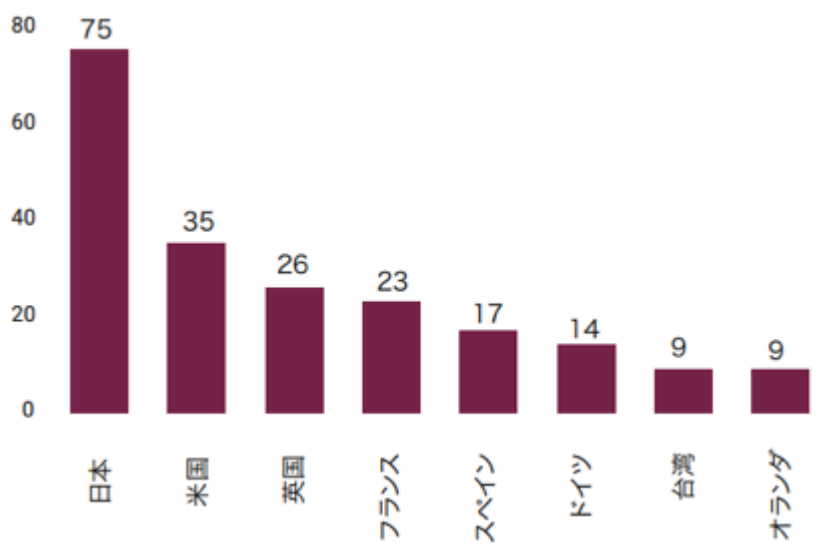
CDP?????

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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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2022 6 8 SDGs Google SDGs CDP 1

CDP 4
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CDP CO2 CO2 Tier1
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CO2

(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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a b Tier1

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2021 6 2022 3 5

CO2

CDP CDP

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

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?? ?? · Sunday, April 16th, 2023



deepblue4you/iStock

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

Hydrogen 15

Friday, April 14th, 2023



Leestat/iStock

Hydrogen production is expected to reach 15 million tonnes by 2021, with a further increase to 60 million tonnes by 2050. This growth is driven by the need for clean energy and the expansion of the hydrogen economy.

The hydrogen market is projected to grow significantly, with a compound annual growth rate (CAGR) of approximately 15% from 2021 to 2050. This growth is supported by government policies and increasing investment in clean energy technologies.

By 2021, the global hydrogen production capacity is expected to reach 15 million tonnes, with a significant portion of this capacity located in Asia and Europe.

The hydrogen market is projected to reach a value of approximately \$150 billion by 2050, with a CAGR of 15%. This growth is driven by the increasing demand for clean energy and the expansion of the hydrogen economy. The market is expected to be dominated by Asia and Europe, with significant growth in North America and South America.

The hydrogen market is projected to reach a value of approximately \$150 billion by 2050, with a CAGR of 15%. This growth is driven by the increasing demand for clean energy and the expansion of the hydrogen economy. The market is expected to be dominated by Asia and Europe, with significant growth in North America and South America.

The hydrogen market is projected to reach a value of approximately \$150 billion by 2050, with a CAGR of 15%. This growth is driven by the increasing demand for clean energy and the expansion of the hydrogen economy.



The hydrogen market is projected to reach a value of approximately \$150 billion by 2050, with a CAGR of 15%. This growth is driven by the increasing demand for clean energy and the expansion of the hydrogen economy.

The hydrogen market is projected to reach a value of approximately \$150 billion by 2050, with a CAGR of 15%. This growth is driven by the increasing demand for clean energy and the expansion of the hydrogen economy.

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Hello my names is james,I'm photographer./iStock

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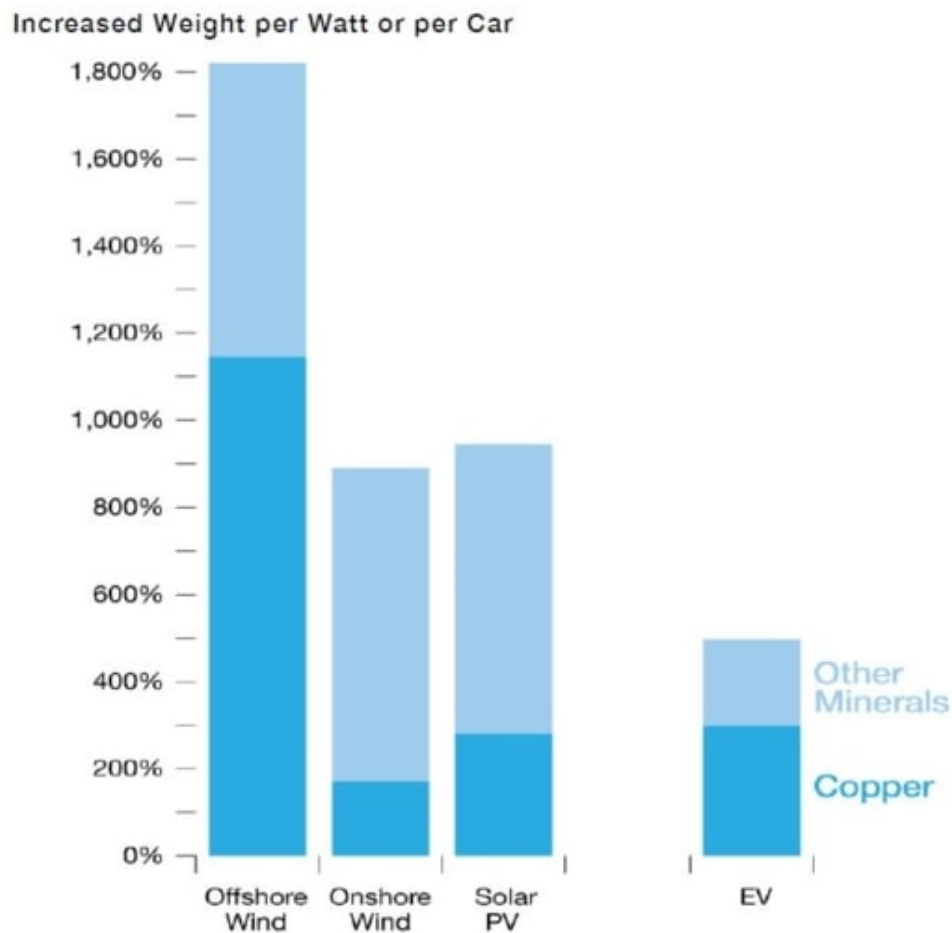
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2050??
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Mineral Demands for Solar, Wind, and EV to Replace Hydrocarbon Machines



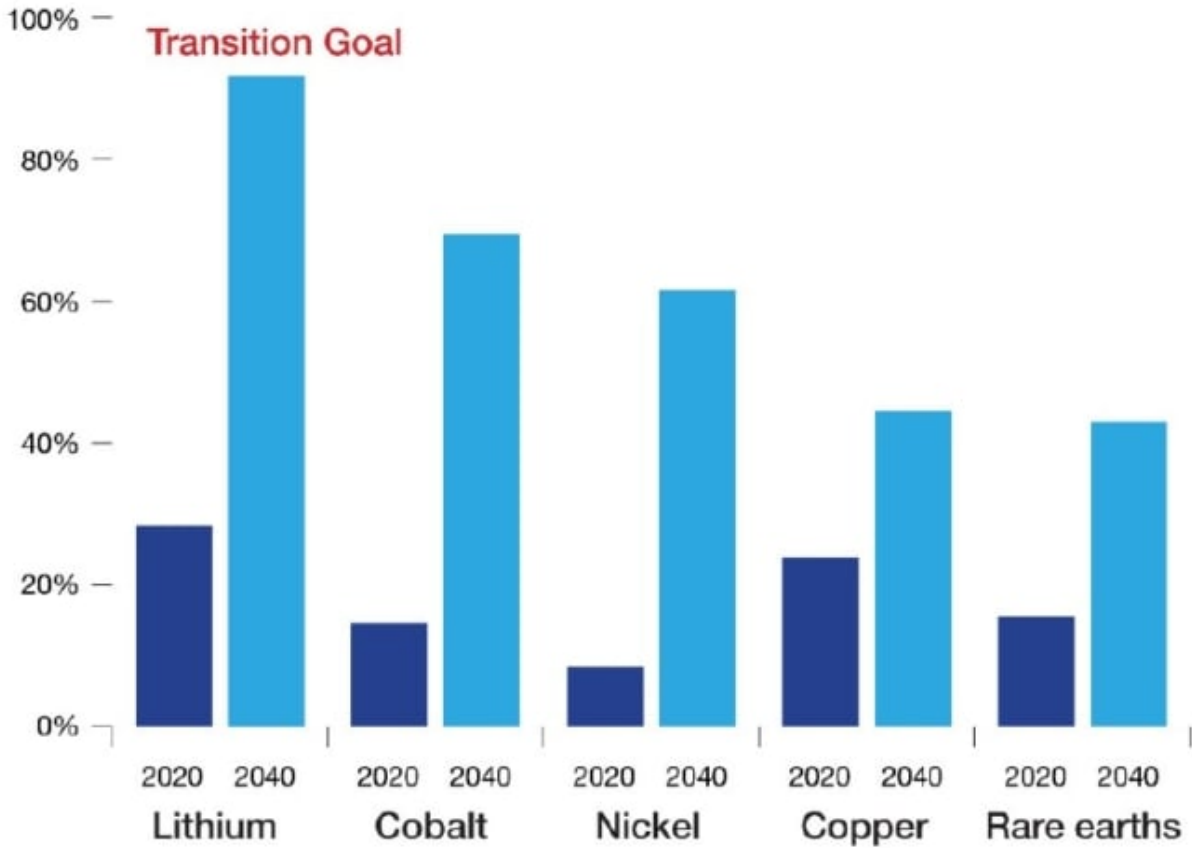
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Energy Sector Share of Mineral Demands for All Purposes

Share of All Uses



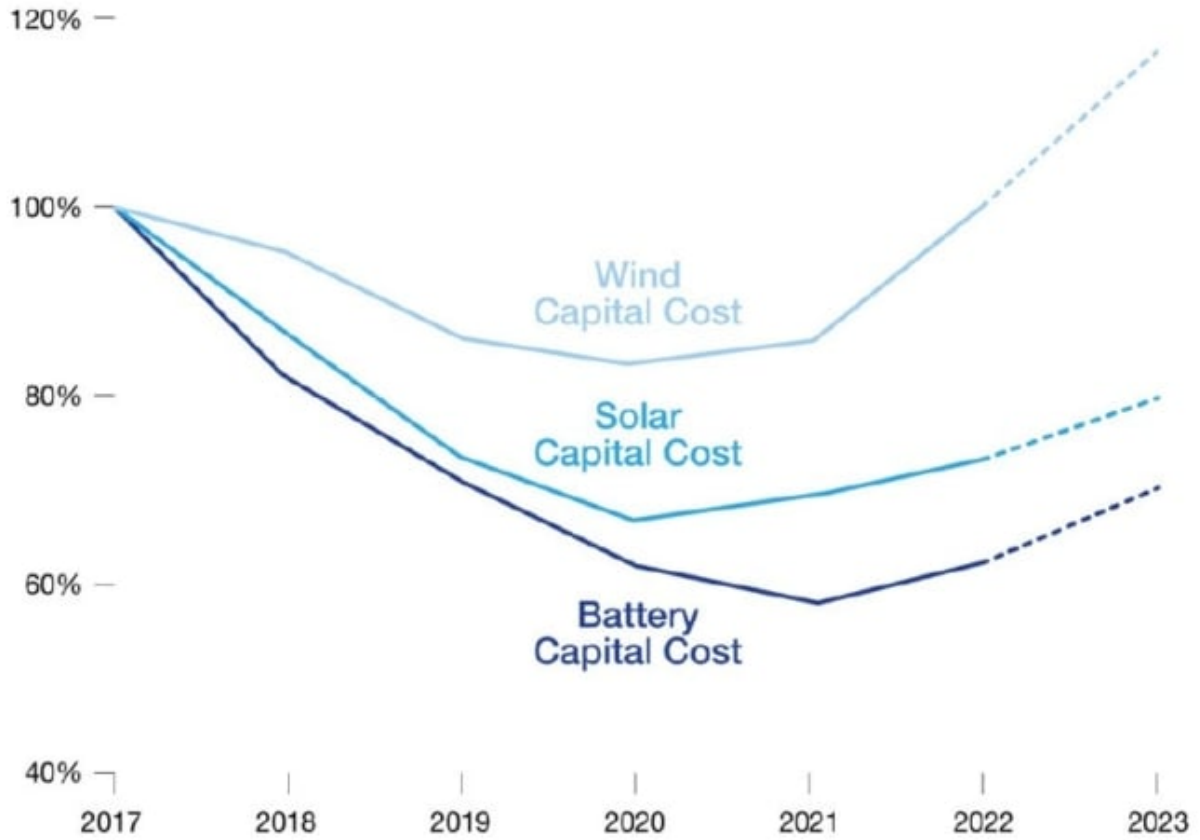
Energy Sector Share of Mineral Demands for All Purposes (IEA, 2018) Transition Goal (50% by 2040)

Energy Sector Share of Mineral Demands for All Purposes (IMF, 2022)

3. Energy Sector Share of Mineral Demands for All Purposes

Costs of Wind, Solar, and Battery Hardware

Change from 2017

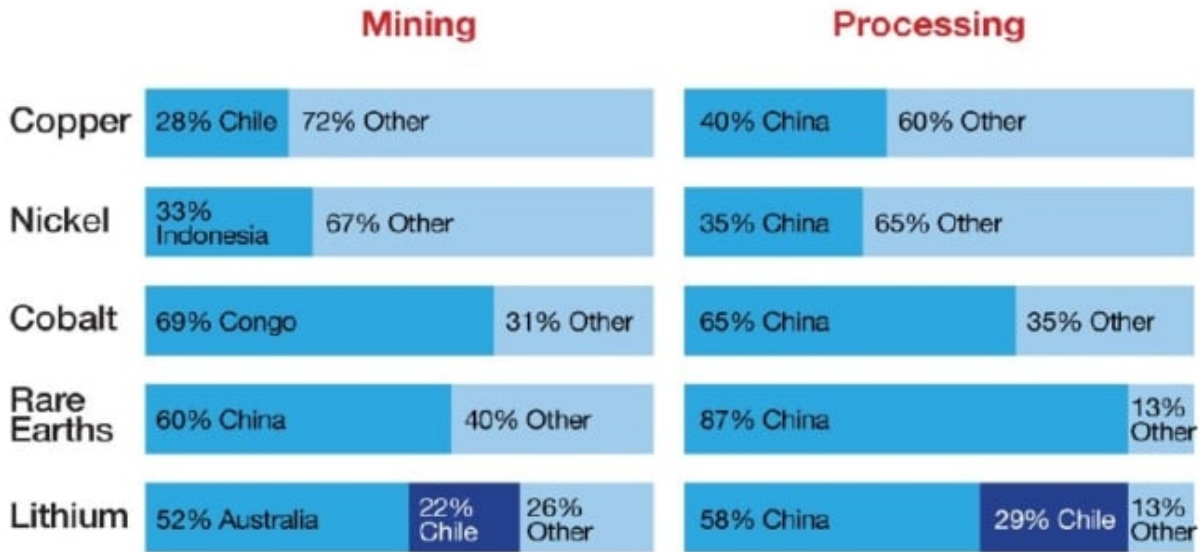


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Sources of Key Energy Transition Minerals



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HiddenCatch/iStock

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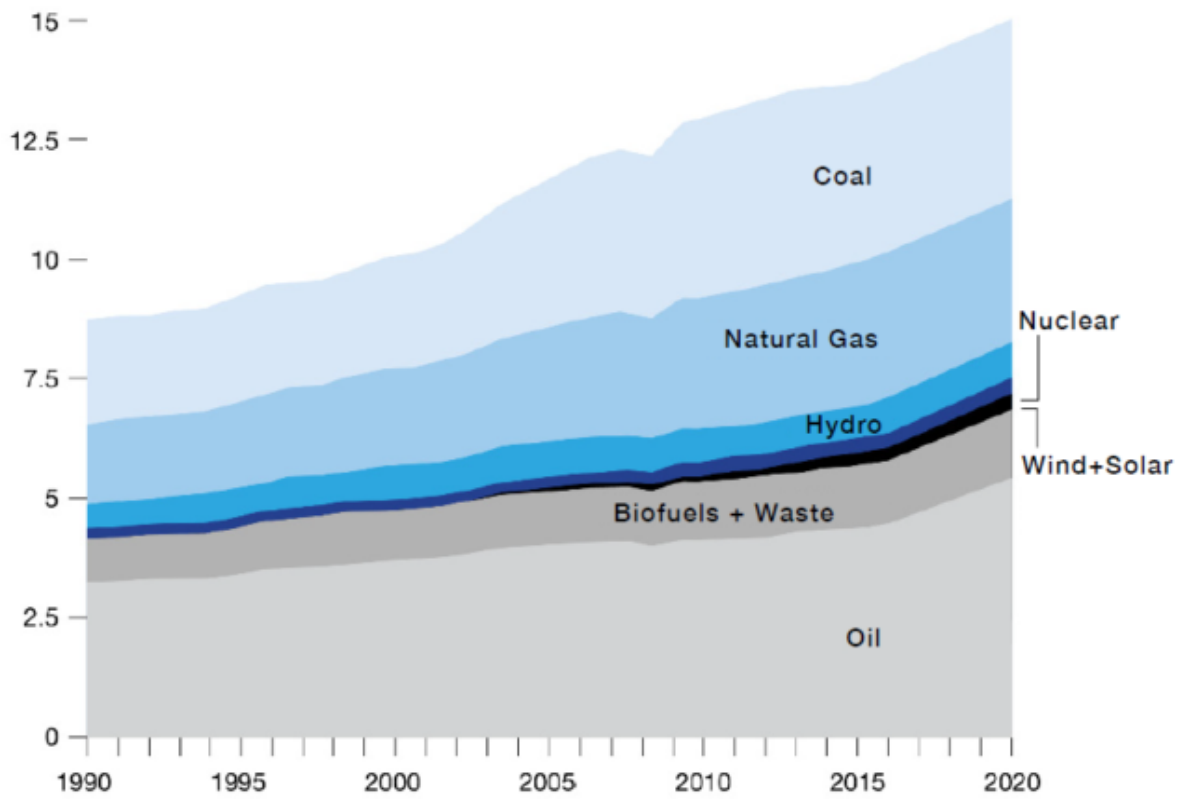
2050??

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Growth in Global Energy Supplies

Oil Equivalent (Billion Tons/Year)*



2. ????????????????

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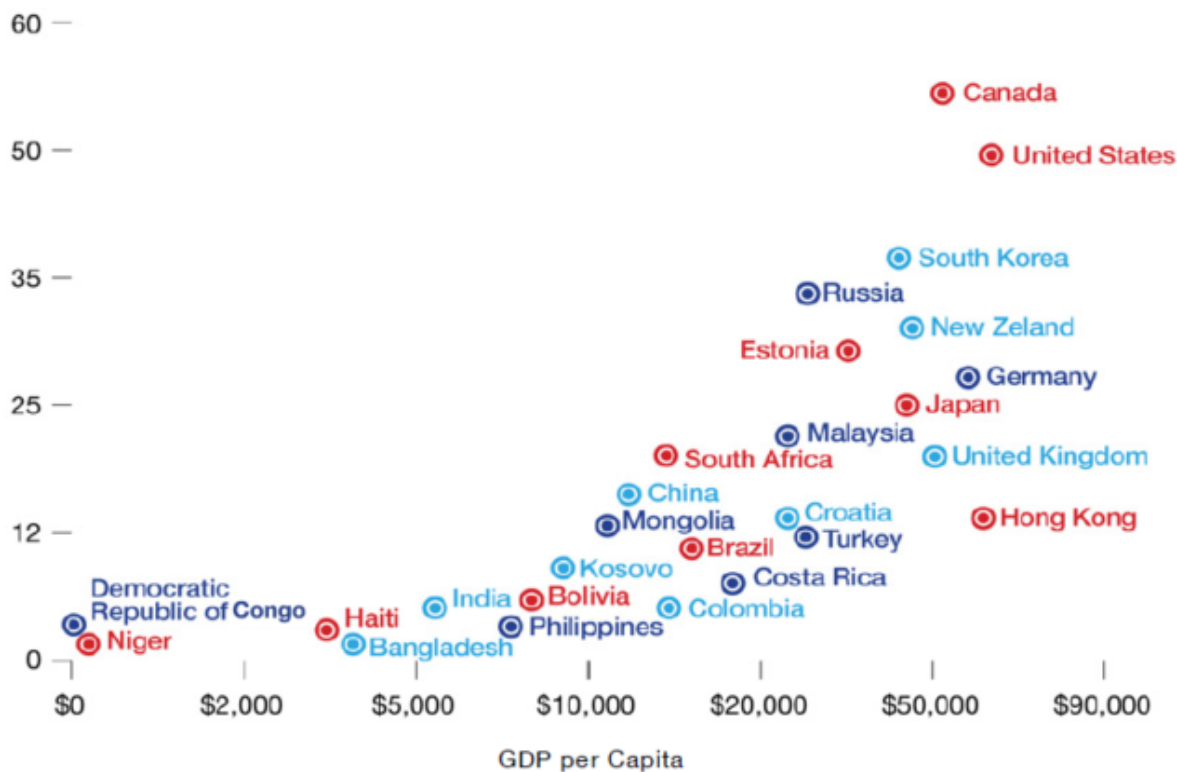
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Per Capita Wealth vs. per Capita Energy Use

Energy per Capita (BOE/year)*

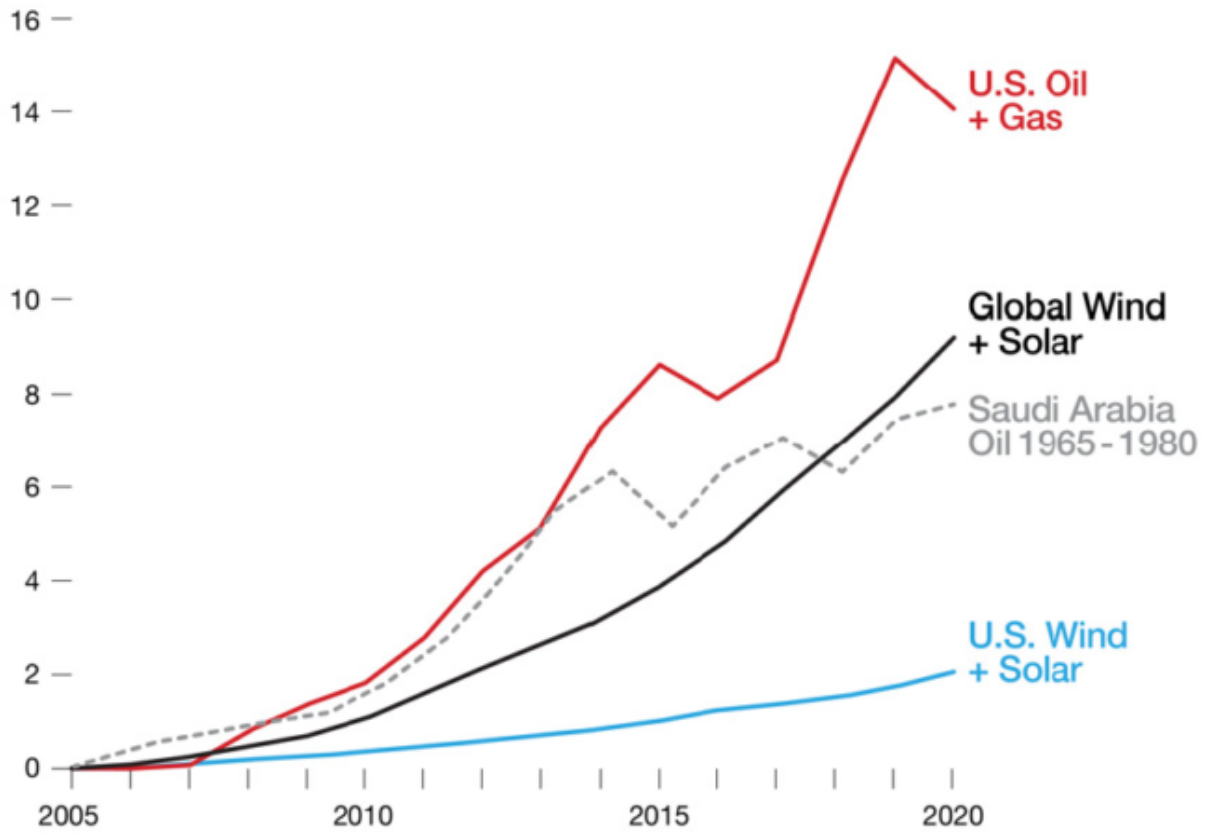


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Growth of Shale Energy vs. Wind+Solar 2005–20, Compared with Saudi Arabia Oil 1965–80

Increased Production (Million BOE/Day)

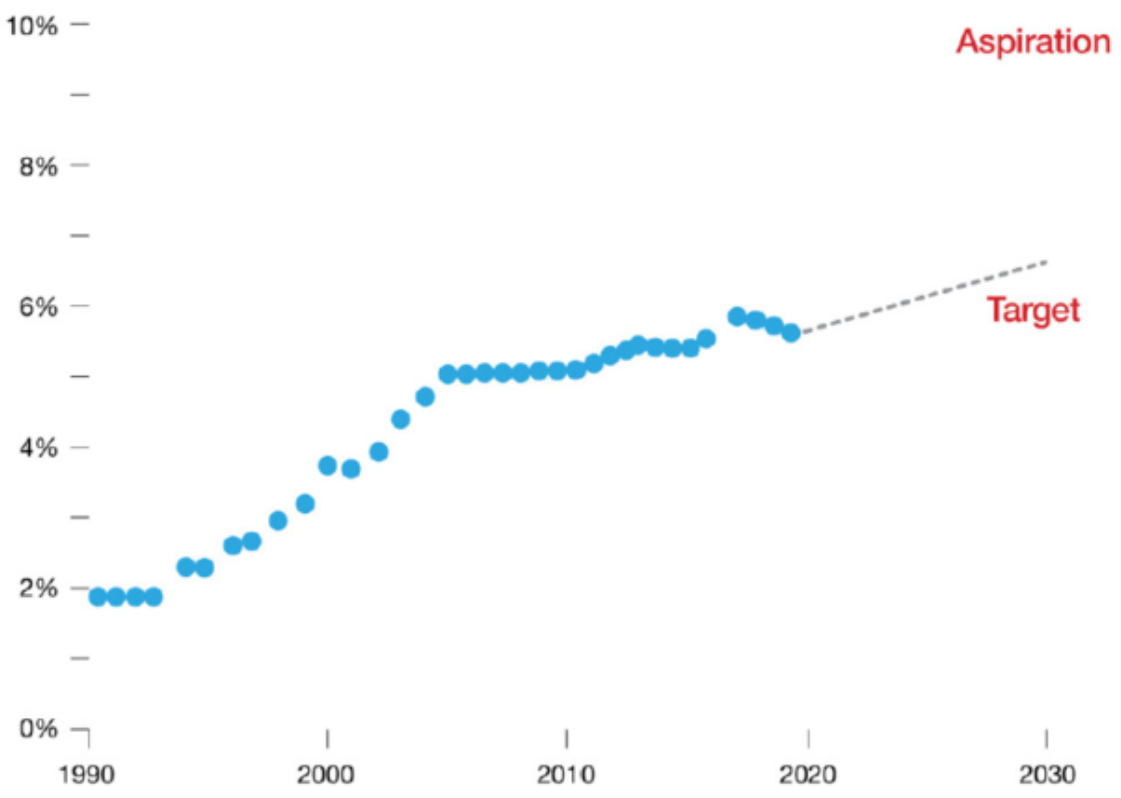


4. ?????????????????????

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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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?? ?? · Friday, April 7th, 2023



Manakin/iStock

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???How Do You Escape Net Zero??The U.K. shows the peril of not ditching the policy openly.????????????????????????????????

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?? ?? · Tuesday, April 4th, 2023



Viktor Sidorov/iStock

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 ?? ? · Sunday, April 2nd, 2023



Jorm Sangsorn/iStock

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?? ??? · Saturday, April 1st, 2023



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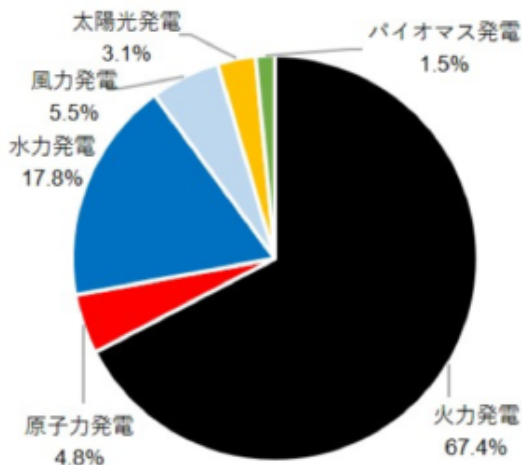


図4 2019年の中国の発電電力量の構成

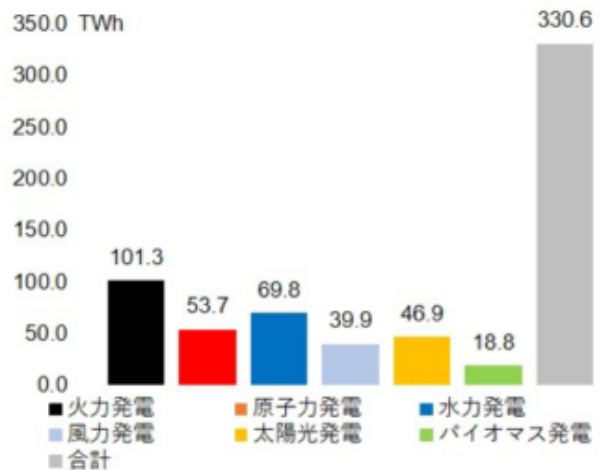


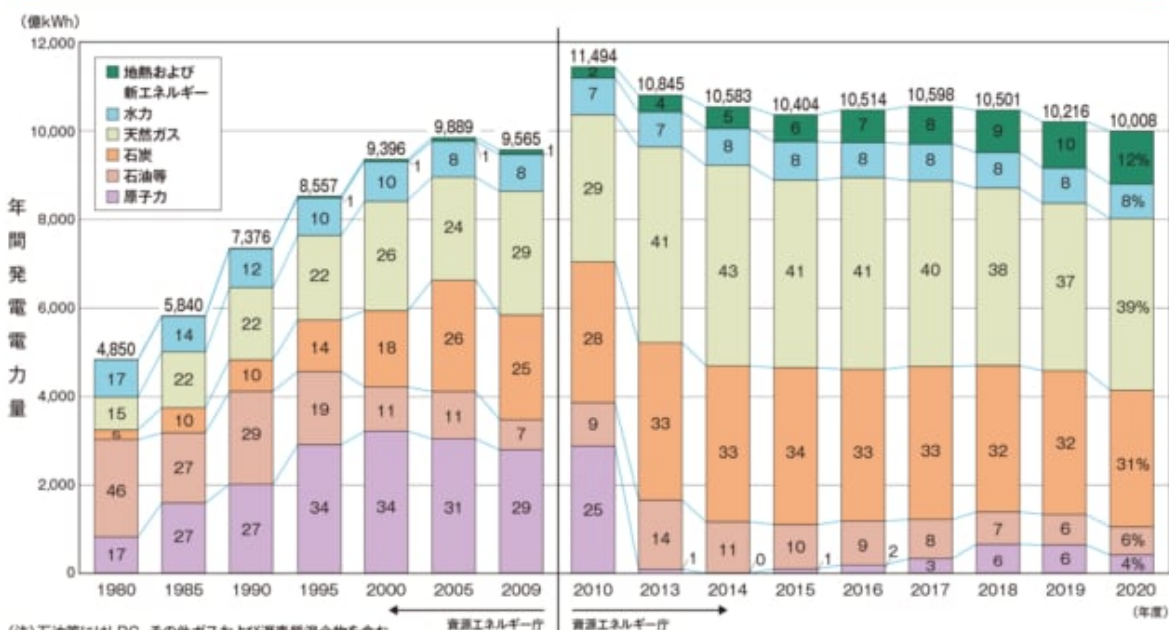
図5 2019年に増加した発電量の内訳

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電源別発電電力量の推移



(注) 石油等にはLPG、その他ガスおよび混焼質混合物を含む
四捨五入の関係で合計値が合わない場合がある
グラフ内の数値は構成比(%)

← 資源エネルギー庁「電源開発の概要」、「電力供給計画の概要」を基に作成
→ 資源エネルギー庁「総合エネルギー統計」を基に作成

1-2-7 出典：資源エネルギー庁「エネルギー白書2022」より作成

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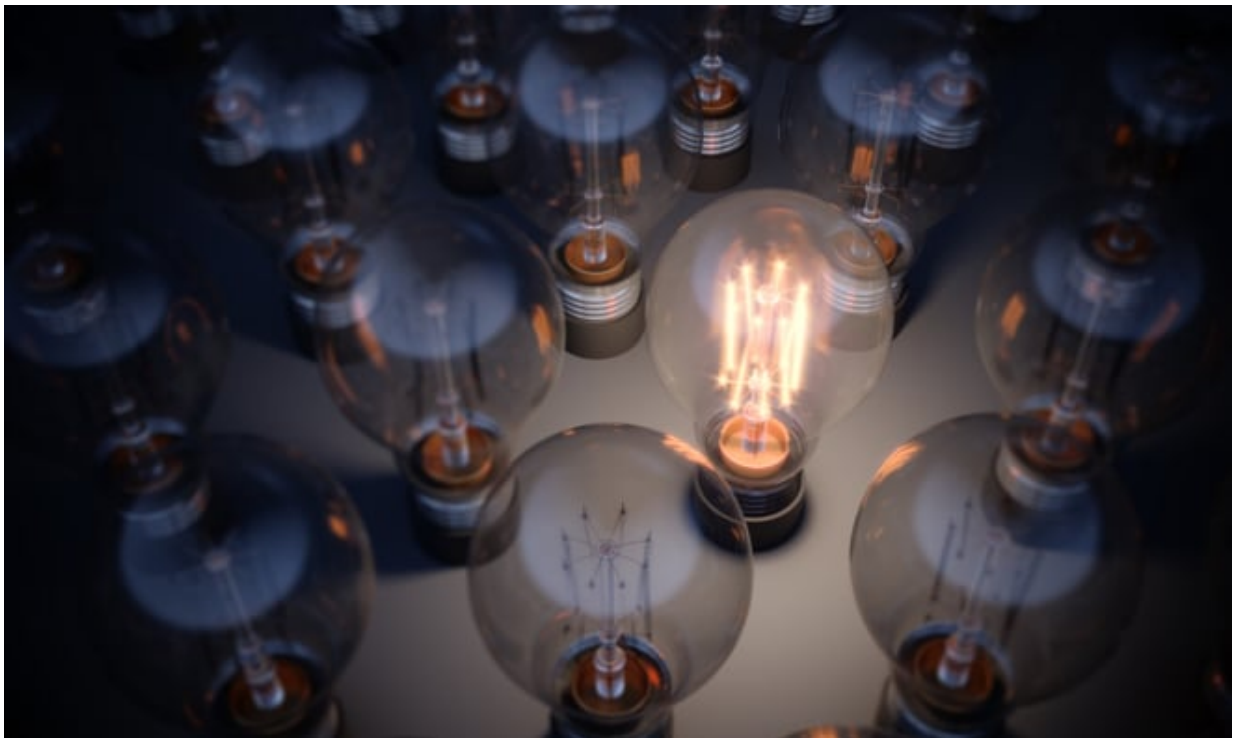
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Posted in ??????????, ?? | [No Comments »](#)

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?? ?? · Thursday, March 30th, 2023



Eoneren/iStock

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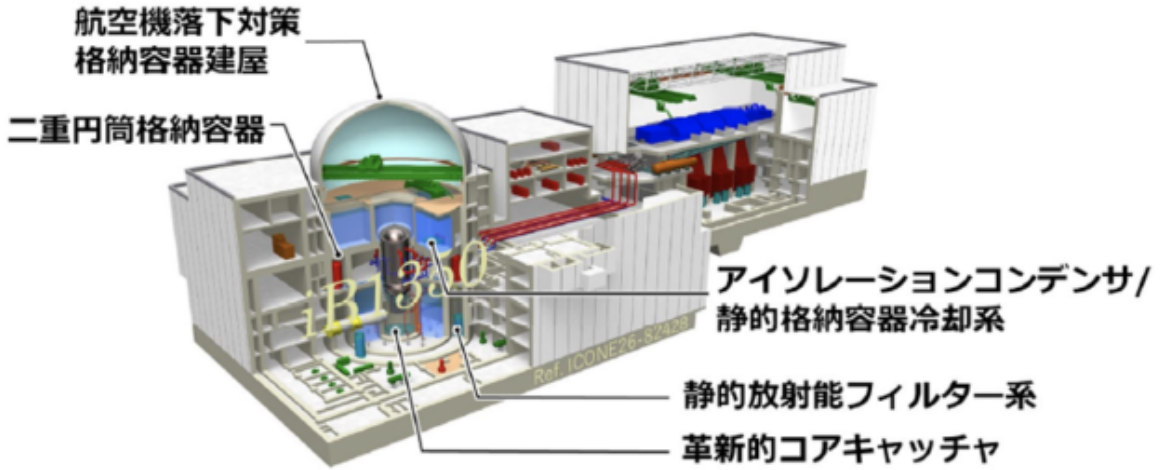
iBR???innovative-intelligent-inexpensive

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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?? ?? · Wednesday, March 29th, 2023



AlxeyPnferov/iStock

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Atstock Productions/iStock

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PeskyMonkey/iStock

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double_p/iStock

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出所：中国中央电视台（CCTV）2015年3月8日

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?? ?? · Saturday, March 25th, 2023

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Douglas Rissing/iStock

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?? ?? · Thursday, March 23rd, 2023



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Harry Wedzinga/iStock

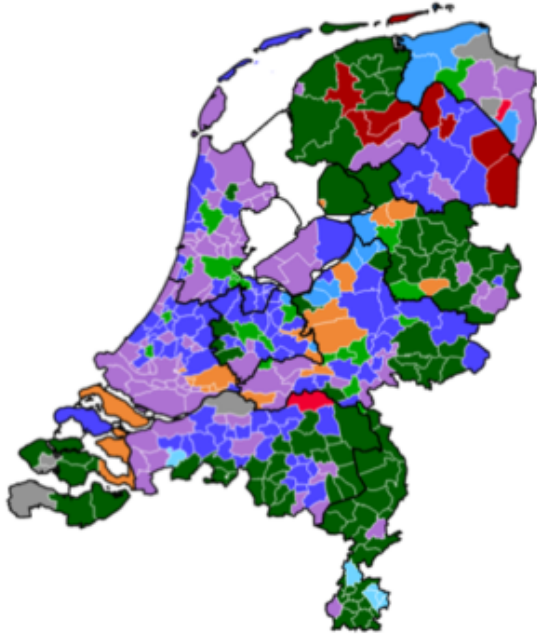
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(a) 2019年

(b) 2023年

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



1??NOS?2023????????????2019????????????BBB?????????????
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2022 7 4 Fox News, 2023

BBB

BBB DNYUZ, 2023

Posted in | No Comments »