

PRESENTATION OVERVIEW

- 1. ESG Update
- 2. Natural Asset Companies (NACs)
- 3. Central Bank Digital Currency (CBDC)
- 4. National Debt



WHAT IS ESG?

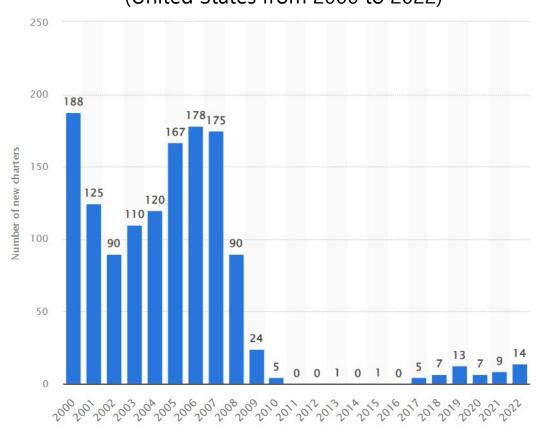
- Underlying politics NOT necessarily the problem. ESG pushing politics IS the problem.
- **Problem**: An agenda-driven strategy: "...only if **all actors** contribute to the integration of environmental, social and governance issues in investment decisions, can significant improvements in this field be achieved." --United Nations, "Who Cares Wins," June 2004.
- ESG has an AGENDA that falls outside of the investment realm (to make money)





MARKET WILL NOT EASILY SOLVE ESG

(United States from 2000 to 2022)



New FDIC-insured commercial bank charters North American Oil and Gas Funds Raised (\$Billions)

Between 2015-2021:

81% reduction in the number of funds, 94% reduction in dollars raised.



Data from Pregin, 2021. (https://www.pregin.com/data/our-data).

DEVELOPMENTS

UC RSP investment options will no longer hold companies that own fossil fuel reserves



Green

ESG & Investing

companies that own fossil fuel reserves.

Effective June 30, 2022, companies that own fossil fu Bloomberg the UC Retirement Savings Program - 403(b), 457(b)

NYC Pension Funds Are Sued for Cutting Fossil-Fuel Stakes

- City employee complaint latest in backlash over ESG investing
- Retirement plans moved to shed \$4 billion of assets, suit says

By Saijel Kishan and Martin Z Braun May 12, 2023 at 7:56 AM MDT Updated on May 12, 2023 at 11:55 AM MDT **REUTERS®**

Sustainable Finance & Reporting | Sustainable Markets | ESG Investors | Regulatory Oversight

ESG equity funds suffer big outflows, buffeted by market jitters and U.S. backlash

By Tommy Wilkes and Patturaja Murugaboopathy

July 6, 2023 12:09 AM MDT · Updated 5 months ago











DEVELOPMENTS



FINANCE

Shareholder support for ESG proposals crumbles at U.S. companies

BlackRock CEO says the word has become 'entirely weaponized'



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ESG INVESTING

S&P Drops ESG Scores for Credit Ratings Amid Backlash

By Lauren Foster Follow and Evie Liu Follow Updated Aug. 9, 2023 1:27 pm ET / Original Aug. 9, 2023 Order



December 07, 2022 02:47 PM

Vanguard quits Net Zero Asset **Managers** initiative

By HAZEL BRADFORD 💆 🖂

Home / Region / Europe / CRE Insurance / NZIA members 'monitoring' developments as third insurer departs

NZIA members 'monitoring' developments as third insurer departs

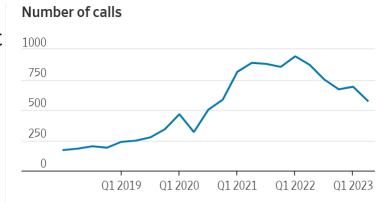
Munich Re indicates antitrust risks sit behind withdrawal from the industry's net

Stuart Collins - April 20, 2023

Townhall COLUMNS TIPSHEET CARTOONS PODCASTS VIDEOS EVIP

BlackRock CEO Larry Fink Says He's 'Ashamed' of ESG





Note: 02 2023 is as of June 5. Source: AlphaSense

Executives Quiet Their Green, Diversity Talk

Companies' references to environmental and social issues have plunged in recent quarters as investor backlash has mounted. 💭 297 🕘 6 min read

 Companies That Embraced Social Issues Have Second **Thoughts**

ESG HARM

The Two Hundred is "a statewide coalition of founders of civil rights organizations, community and business leaders, housing advocates, former state legislators, and cabinet members."

Climate Change and Energy Impacts

- Low-income households spend 3x more of their income on energy costs¹
- In 2020, minority groups represent nearly half of all households living with energy insecurity.²

The Two Hundred, et al. v. California Air Resources Board

"California's climate change policies... have caused and will cause unconstitutional and unlawful disparate impacts to California's minority populations."

"The 'net zero' GHG threshold would operate unconstitutionally so as to disproportionately disadvantage low-income minorities in need of affordable housing relative to wealthier, whiter homeowners who currently occupy the limited existing housing stock..."



Source: ¹ American Council for an Energy-Efficient Economy; ² US Energy Information Administration

ESG INCOMPATIBLE WITH FREE MARKETS

Why? **Plurality**: Many actors (companies; investors) means many different views.

If enough actors commit to an agenda, markets cease.

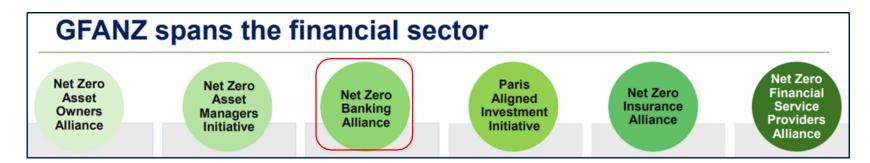
"It is important to remember that capitalism has been the greatest driver of prosperity and opportunity the world has ever seen."

- Barack Obama, October 6, 2016



NET-ZERO CLIMATE PLEDGES





MONEY IS POWER

- Agenda: reduce global emissions using finance as the enforcer
- Why finance?
 - Foundation of our economic system
 - Dictate terms to receive money needed to run business



NET-ZERO BANKING ALLIANCE



Members: 102 banks representing \$67tn

Commitments:

align operational and financed emissions with net-zero by 2050 or sooner, including 2030 interim targets

- Members represent 40% of global banking assets
- Represent over 50% of U.S banking assets:
 - JPMorgan Chase
 - Bank of America
 - Wells Fargo
- Citi
- Goldman Sachs
- Morgan Stanley



Net-Zero Banking Alliance

Industry-led, UN-convened

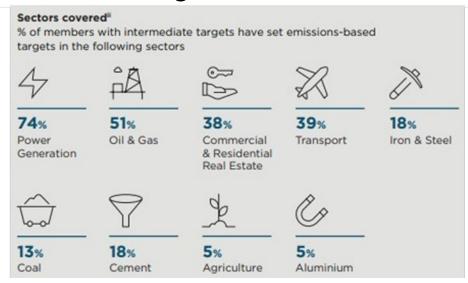
Insert bank name

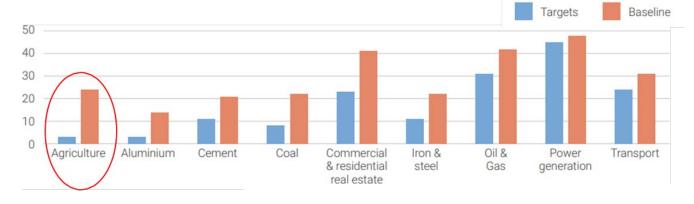
is pleased, together with other peer bank signatories, to commit to: transition all operational and attributable GHG emissions from our lending and investment¹ portfolios to align with pathways to net-zero by mid-century, or sooner, includ-



NET-ZERO BANKING ALLIANCE

- 18 months: set targets for 3 sectors
- 36 months: set targets for remaining sectors





NZBA Dashboard (Updated as of 9 November 2022)

122 Members | \$72TN Financial Assets

In joining the Alliance, signatory banks have committed to:

- Prioritise sectors based on GHG emissions, GHG intensities and/or financial exposure in their portfolio in their first round of target setting (within 18 months of signing).
- Set a further round of sector-level targets within 36 months of joining for all or a significant majority of specified carbon-intensive sectors, including: agriculture; aluminium; cement; coal; commercial and residential real estate; iron and steel; oil and gas; power generation; transport.



EXAMPLE: BANK OF AMERICA



"As part of net zero strategy and in alignment with NZBA guidelines, we plan to set milestone targets for other key sectors through 2024 to cover a significant majority of our financed emissions . . ."

2021

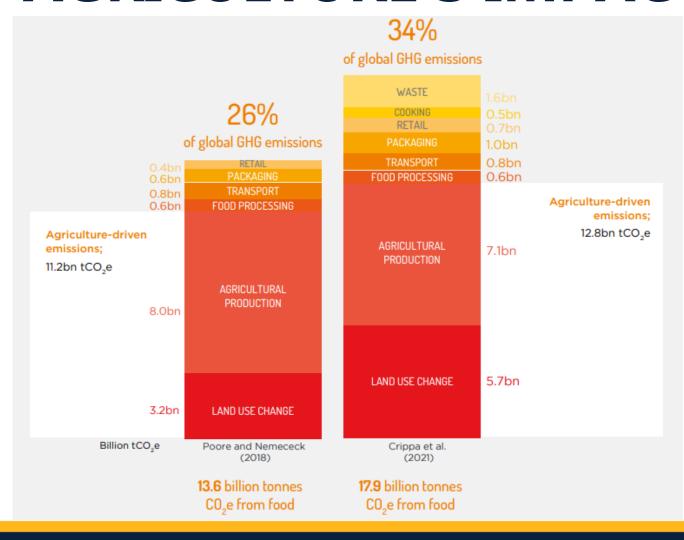
Committed to net zero emissions before 2050 for our financing activities, operations and supply chain. Announced \$1.5 trillion sustainable finance commitment by 2030. Founding member of the Net-Zero Banking Alliance (NZBA).

	2030 Targets
Auto Manufacturing	
Scope 1-2 CO₂e, Scope 3 end use CO₂	44% reduction
Energy	
Scope 1-2 CO₂e	42% reduction
Scope 3 end use CO ₂	29% reduction
Power Generation	
Scope 1 CO ₂	70% reduction

Source: https://about.bankofamerica.com/content/dam/about/pdfs/approach-to-zero-2022.pdf , pages 2, 8.



AGRICULTURE'S IMPACT



Global food system: 25% to 35%

Most emissions: 1) **land use change** and, 2) **agriculture**: *fertilizer* nitrous oxide; *livestock* and *rice* methane.

Solutions:

- Reduce land emissions 85%, 2050
- Cut red meat consumption 50%
- Align capital expenditures with "alternatives to meat and dairy"
- Electrify machinery, replace

fertilizer

FROM ROAST BEEF TO:

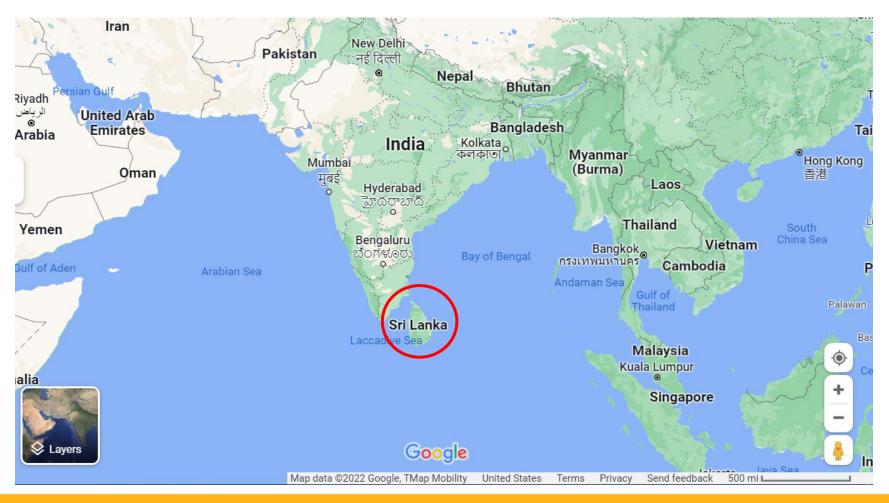








SRI LANKA and ESG



- Sri Lanka ESG score: 98 out of 100 (Sweden: 96; U.S.: 51)
- Per capita
 income in 2018,
 \$4,000; India,
 \$2,000



SRI LANKA and ESG

- Sri Lanka was self-sufficient in food production until 2021.
- President issued an overnight ban on all synthetic fertilizers to promote "organic agriculture."
- The production of rice...fell by between 40 and 50% nationwide. Food prices rose by **over 80%**....

'Complete Collapse': Here's How ESG Destroyed One Nation's Economy



DAILY CALLER NEWS FOUNDATION













CONTRIBUTOR

8:10 PM ET .

- · Sri Lanka has run out of fuel and is facing the worst economic crisis in decades.
- · A chemical fertilizer ban in 2021, part of an initiative to cut nitrogen waste and implement greener farming practices, drastically reduced crop yields and damaged
- · "The decision to overnight shift away from synthetic fertilizers was an absolute disaster," economist Peter Earle told The Daily Caller News Foundation.

Sri Lanka is in a last-ditch effort to stave off economic collapse after an allegedly climatefriendly ban on artificial fertilizers devastated one of the country's largest industries, according to experts

Source: https://committeetounleashprosperity.com/hotlines/the-tragedy-of-sri-lanka-a-cautionary-tale-on-going-green/



DEBANKING

BARRON'S

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ECONOMY & POLICY

Debanking Hurts Everyone

COMMENTARY By Ellen R. Wald Jan. 8, 2021 5:30 pm ET

Text size (-) (+)



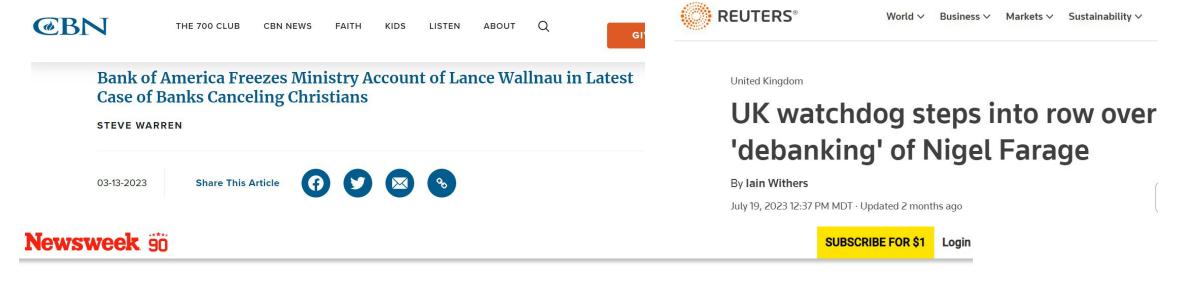
Vocal activist groups are putting pressure on U.S. banks to refuse services to certain businesses and entire industries. This "debanking" has been targeted at energy companies, private prison operators, and gun manufacturers, but it threatens to disrupt the operations and investment in any industry that finds itself

unpopular in the moment. <u>This trend has the potential to turn the American market</u> system on its head. Fortunately, a new federal regulation would, if finalized, make

<u>Described</u> by one former JPMorgan Chase executive as "red-dotting:"

- Account-holder is first deemed a risk for their views
- When the time is right, the bank cancels the account with scant explanation.
- Stonewalling follows
- When bank sees a public relations advantage to responding at all bank reverse-engineers a plausible reason for the decision it made several months previously

DEBANKING



OPINION

Stop the Troubling Trend of Politically Motivated Debanking | Opinion

SAM BROWNBACK AND JEREMY TEDESCO

ON 3/15/23 AT 6:00 AM EDT



NATURAL ASSET COMPANIES (NAC)

IDENTIFY A NATURAL ASSET

NAC FORMATION

CAPITAL MARKET PROCESS

NATURAL ASSET'S VALUE

FORM NAC AS A NEW CORPORATION
LICENSE RIGHTS TO ECOSYSTEM SERVICES

CONVERTING NATURAL ASSET VALUE TO FINANCIAL CAPITAL





IPO of Natural Asset Company Financial Capital is Created

- Work with natural asset owners to identify sites with substantial ecosystem services or potential for ecosystem restoration
- Identify management team and board of directors
- Formalize governance structure, including bylaws and policies
- Develop business plan

 Generates capital to fund conservation, restoration, and growth of the natural assets

Share price signals value of nature

Benefits are shared with local communities

Source: intrinsicexchange.com/nacs

NATURAL ASSET COMPANIES (NAC)



- Could have devastating impact on rural communities in western states like Utah, where natural resource extraction and agriculture are major industries.
- Reduced production: Agriculture, mining, oil, means higher prices on food and energy, especially harming those who can least afford it.
- SEC provided unusually short, 21-day public comment period. Expect decision January 2.

CENTRAL BANK DIGITAL CURRENCY



- A digital currency backed & issued by a central bank, similar to cryptocurrencies except its value is fixed by the central bank & equivalent to the country's fiat currency.
- 11 countries have launched. 130 countries representing 98% of the global economy are exploring or launched.

(Source – Reuters)

As of June 2023

CENTRAL BANK DIGITAL CURRENCY



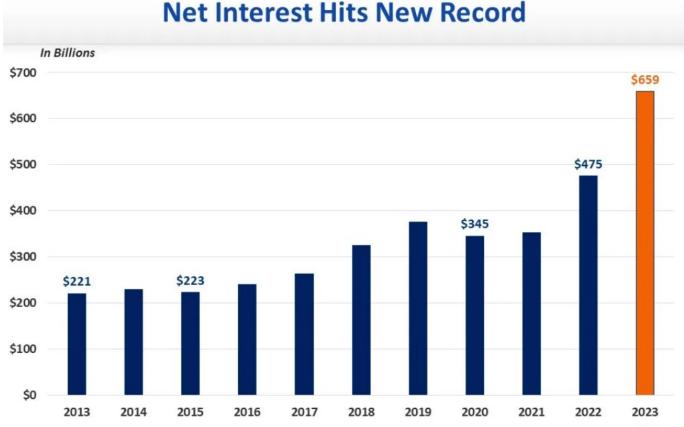
China's Digital Yuan Works Just Like Cash—With Added Surveillance

Government officials are urging citizens to adopt the official digital currency in a bid to gain more <u>control</u> over the economy.

Digital currency provides ultimate government control:

- Monitor transactions
- Program money to expire
- Easily freeze personal accounts
- Prevent or limit spending in targeted industries (e.g. firearms, energy, fast food, beef)





- Amount spent to service debt increases with higher interest rates
- Could move higher even if interest rates drift down (depends on yield of reissued debt)

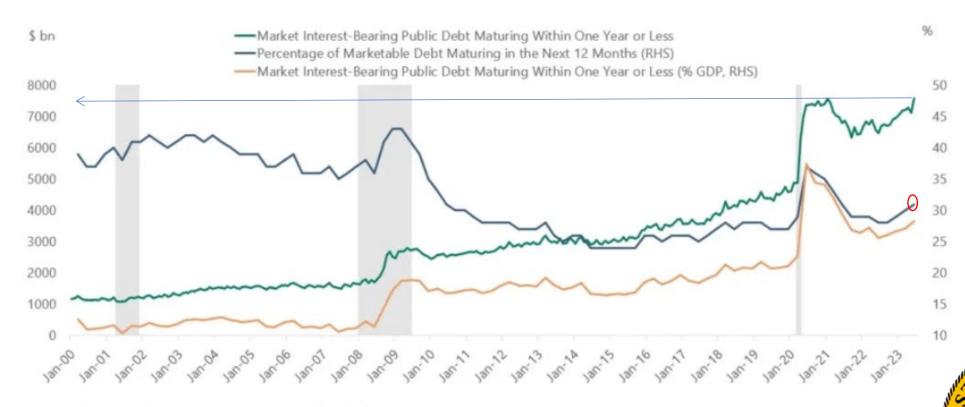


Source: Congressional Budget Office



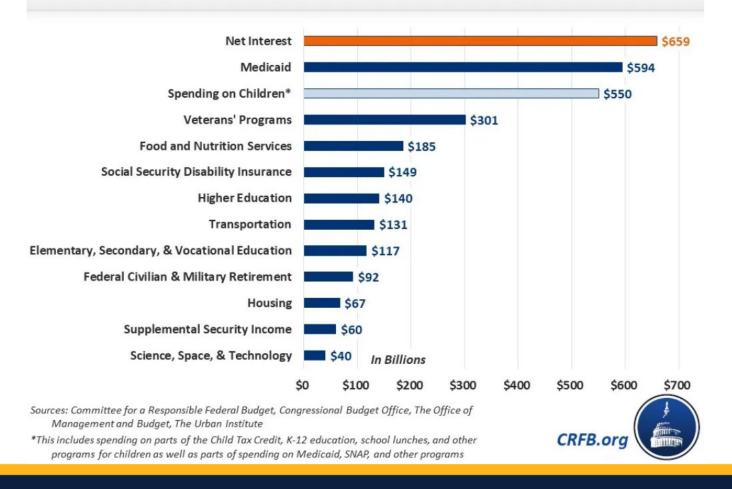
APOLLO

31% of all US government debt outstanding, or \$7.6tm, will mature over the next year



Source: Treasury, BEA, Haver Analytics, Apollo Chief Economist https://finance.yahoo.com/news/7-6-trillion-us-government-040643412.html

Net Interest Exceeds Many Other Programs in 2023



- Other budget items
- Only: Social Security;
 Medicare; Defense higher than Net Interest



MARLO M. OAKS

STATE TREASURER OF UTAH

- On Aug. 1, Fitch Ratings announced its decision to downgrade the U.S. long-term credit ratings to AA+ from AAA after placing on a negative watch on May 24, citing politicking over the debt ceiling.
- Moody's Investors Service changed the outlook on the U.S. credit rating to "negative" on November 10.
- Not a cause for panic but Americans should not dismiss concerns about the national debt's long-term trajectory.



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