



# Why Bitcoin

## Why now

The information provided in this presentation is for educational purposes only and should not be construed as financial advice.

# Today's agenda

Presenter: Mr Lasanka Perera

CEO & Co-founder

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- The best version of money
- Good for humans
- Good for the environment
- Good for portfolios
- Why now

# History

Global Finance Crisis

2007 – 2009

Bitcoin Network launch

2009

14 years and  
still going  
strong



2008

Satoshi Nakamoto  
published the Bitcoin  
whitepaper

2010

First economic  
transaction

# Good for humans

# Key features



Provably  
computationally  
scarce



Producing block after  
block 24/7 for 14  
years



Unstoppable,  
irreversible money,  
available to all



global borderless  
currency

# Diminishing supply

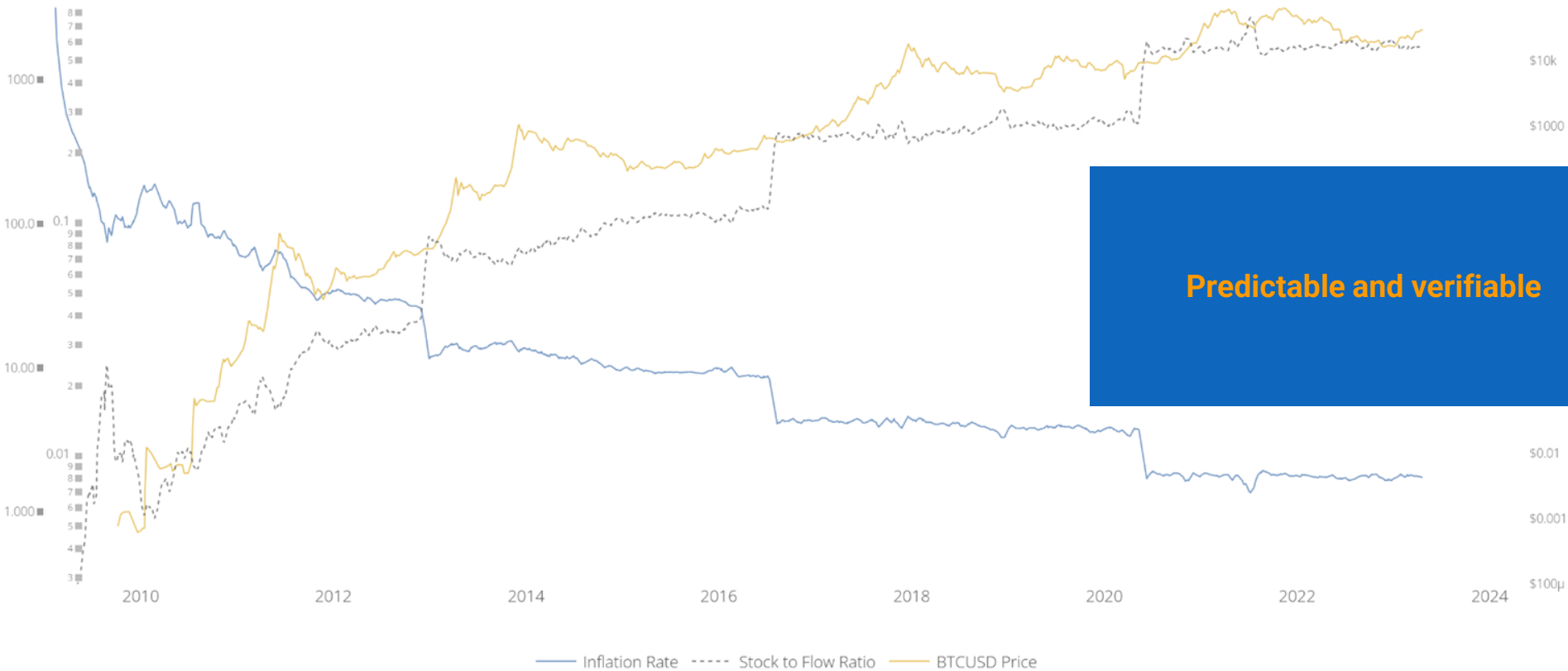
- New supply halves every 210,000 blocks (~4 years)
- Difficulty algorithm adjusts to ensure average 1 block every 10 mins
- Monetary policy fixed in code, unchanged for 14 years



Data source: Glassnode

# Bitcoin Inflation

## 1.74%



Predictable and verifiable

# Why is this important?



2 bn unbanked  
1.5 bn underbanked



15%+ population  
living in double digit  
inflation



Many more being  
displaced by war,  
famine, etc



Fiat supply is  
unlimited



# How



Send and receive on a network available 24/7 without any intermediaries



Store wealth in an asset that cannot be debased or confiscated



Recorded on a ledger that cannot be manipulated

# An escape when it is needed

FORBES > ASIA

## India's Demonetization Is Causing Bitcoin To Surge Inside The Country



BRAYDEN LINDREA

OCT 27, 2023

## Bitcoin price hits all-time highs across Argentina, Nigeria and Turkey



MARKETS

BUSINESS

INVESTING

TECH

POLITICS

CNBC TV

INVESTING CLUB



PRO




NEW

## Greek crisis stokes bitcoin prices higher

PUBLISHED MON, JUN 29 2015•2:20 PM EDT | UPDATED MON, JUN 29 2015•2:55 PM EDT

# Who will need an escape next?

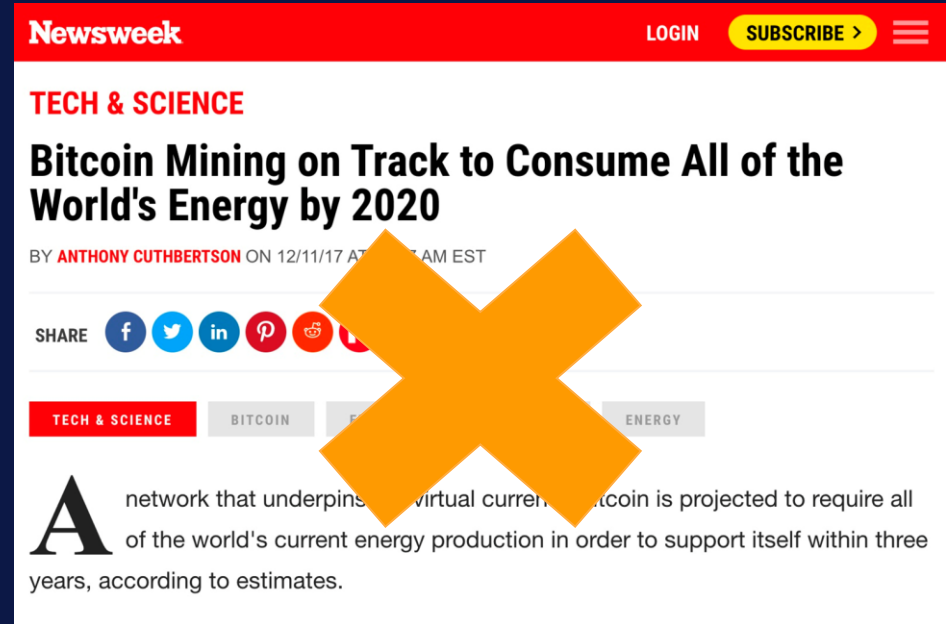
## GLOBAL CURRENCIES: 10-YEAR RETURNS VS. DOLLAR

Venezuelan Bolivar	-99.9%	Liberian Dollar	-57.9%	Hungarian Forint	-41.0%	Nepalese Rupee	-25.6%	Czech Koruna	-17.9%
Sudanese Pound	-99.3%	Tajikistani Somoni	-56.6%	Algerian Dinar	-40.2%	Dominican Peso	-25.0%	Honduran Lempira	-17.5%
Syrian Pound	-99.1%	Brazilian Real <b>G20</b>	-55.4%	Paraguayan Guarani	-39.8%	British Pound <b>G20</b>	-24.8%	Samoa Tala	-16.2%
Argentine Peso <b>G20</b>	-98.3%	Azerbaijan Manat	-53.9%	Georgian Lari	-37.9%	Tongan Pa'anga	-24.7%	Chinese Yuan <b>G20</b>	-16.2%
Turkish Lira <b>G20</b>	-92.6%	Burmese Kyat	-53.6%	Botswana Pula	-37.2%	Bhutanese Ngultrum	-24.7%	Solomon Islander Dollar	-16.1%
Surinamese Dollar	-91.5%	Mozambican Metical	-53.4%	Tanzanian Shilling	-35.9%	Indian Rupee <b>G20</b>	-24.7%	Thai Baht	-14.6%
Angolan Kwanza	-88.2%	Mongolian Tughrik	-53.4%	Japanese Yen <b>G20</b>	-34.3%	Serbian Dinar	-24.0%	Yemeni Rial	-14.2%
North Korean Won	-85.9%	Colombian Peso	-53.2%	Jamaican Dollar	-33.6%	Philippine Peso	-23.9%	Vietnamese Dong	-13.2%
Uzbekistani Som	-82.4%	Malagasy Ariary	-50.5%	Nicaraguan Cordoba	-32.0%	Canadian Dollar <b>G20</b>	-23.8%	Icelandic Krona	-12.1%
Ghanaian Cedi	-81.3%	Tunisian Dinar	-48.5%	Australian Dollar <b>G20</b>	-31.7%	Cape Verdean Escudo	-23.5%	Iraqi Dinar	-11.1%
Sierra Leonean Leon	-81.0%	Namibian Dollar	-47.6%	Tuvaluan Dollar	-31.7%	Euro <b>G20</b>	-22.4%	Singapore Dollar <b>G20</b>	-8.5%
Nigerian Naira	-79.5%	Basotho Loti	-47.6%	Ugandan Shilling	-31.6%	Comorian Franc	-22.4%	Bruneian Dollar	-8.5%
Ukrainian Hryvnia	-77.9%	Swazi Lilangeni	-47.6%	Malaysian Ringgit	-31.3%	Central African CFA Franc	-22.4%	Kuwaiti Dollar	-8.4%
Egyptian Pound	-77.7%	South African Rand <b>G20</b>	-47.6%	Mauritian Rupee	-30.5%	Bosnian Convertible Mark	-22.4%	Israeli Shekel	-7.5%
Libyan Dinar	-74.5%	Burundian Franc	-45.9%	Romanian Leu	-30.5%	CFP Franc	-22.4%	Costa Rican Colon	-5.7%
Kazakhstani Tenge	-67.9%	Gambian Dalasi	-45.7%	Bangladeshi Taka	-29.4%	Bulgarian Lev	-22.4%	Trinidadian Dollar	-5.1%
Haitian Gourde	-67.6%	Rwandan Franc	-45.3%	Polish Zloty	-29.1%	Danish Krone	-22.3%	Guyanese Dollar	-2.9%
Russian Ruble <b>G20</b>	-66.7%	Kyrgyzstani Som	-45.1%	Afghan Afghani	-29.0%	Ni-Vanuatu Vatu	-22.1%	Belizean Dollar	-1.9%
Malawian Kwacha	-65.4%	Chilean Peso	-44.6%	Papua New Guinean Kina	-28.8%	Macedonian Denar	-22.0%	Swiss Franc <b>G20</b>	-1.6%
Ethiopian Birr	-65.8%	Norwegian Krone	-44.2%	Moldovan Leu	-28.6%	Guinean Franc	-21.1%	 <b>+21,369%</b>	
Pakistani Rupee	-63.6%	Uruguayan Peso	-43.9%	New Zealand Dollar	-28.3%	South Korean Won <b>G20</b>	-20.8%		
Congolese Franc	-63.4%	Swedish Krona	-41.9%	Peruvian Sol	-26.9%	Moroccan Dirham	-19.9%		
Lao Kip	-61.1%	Kenyan Shilling	-41.4%	Indonesian Rupiah <b>G20</b>	-26.3%	Fijian Dollar	-18.6%		
Sri Lankan Rupee	-59.3%	Iranian Rial	-41.0%	Mexican Peso <b>G20</b>	-25.7%	Turkmenistani Manat	-18.4%		

Good for the  
environment

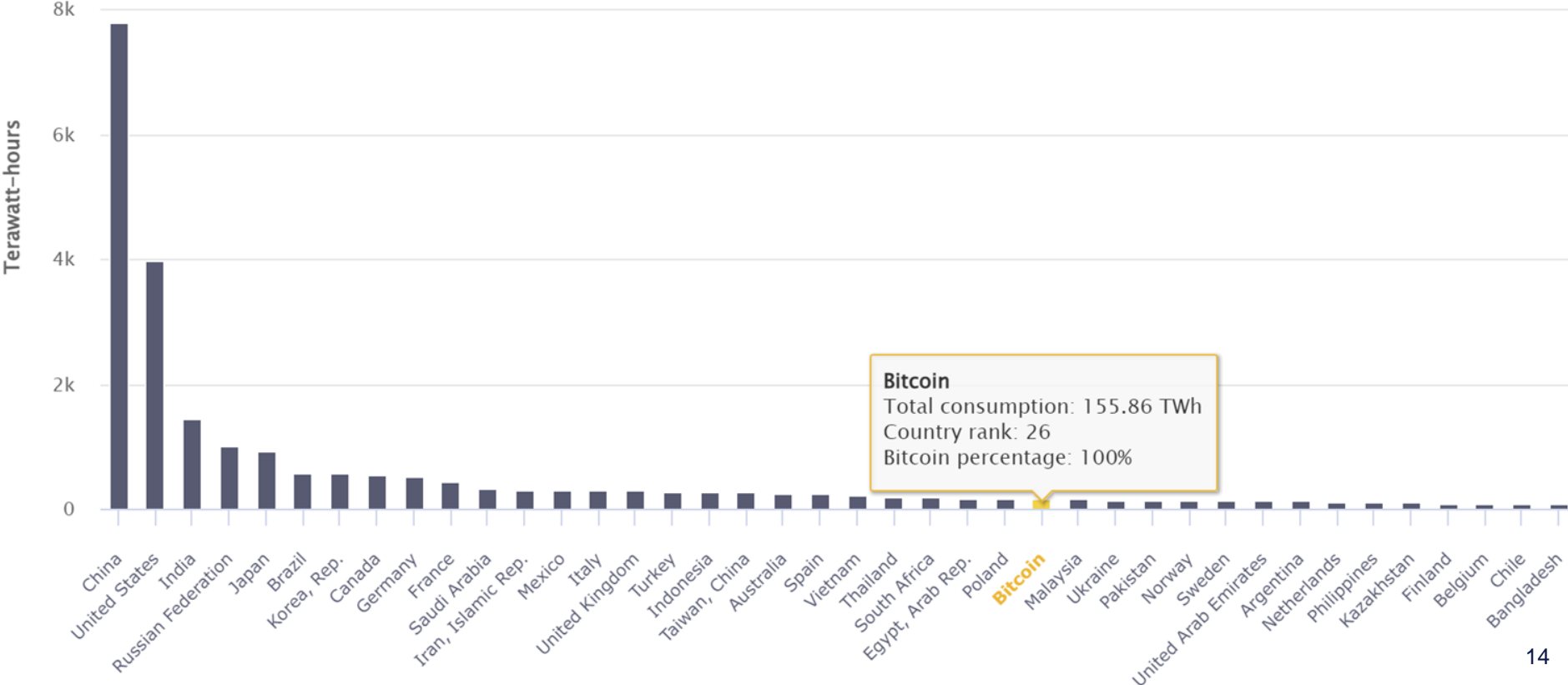
# Some perspective

- Did NOT consume all of the world's energy by 2020
- Bitcoin mining uses 155 TWh annually, 0.6% of global electricity use (about the same as Malaysia or tumble dryers)
- Produces 78 MtCO<sub>2</sub>e pa, 20% less than gold mining and 0.16% of total global emissions

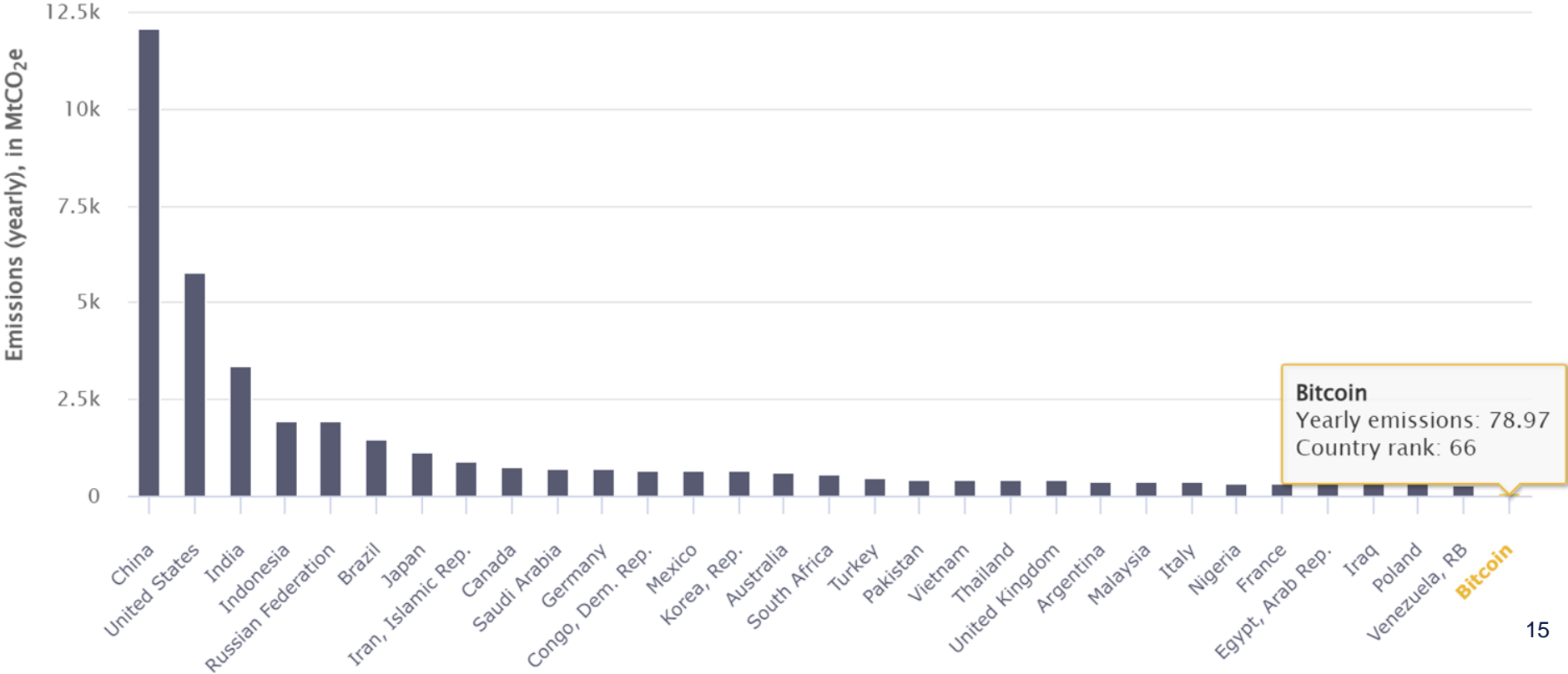


The screenshot shows a Newsweek article page. At the top, there is a red navigation bar with the Newsweek logo, a 'LOGIN' button, and a yellow 'SUBSCRIBE >' button. Below the navigation bar, the article is categorized under 'TECH & SCIENCE'. The main headline reads 'Bitcoin Mining on Track to Consume All of the World's Energy by 2020'. The byline indicates the article is by Anthony Cuthbertson, dated 12/11/17. Below the headline, there are social media sharing icons for Facebook, Twitter, LinkedIn, Pinterest, and YouTube. A large orange 'X' is overlaid on the right side of the article, obscuring the main text. Below the 'X', there are category tags for 'TECH & SCIENCE', 'BITCOIN', and 'ENERGY'. The visible text at the bottom of the article reads: 'A network that underpins virtual currency, Bitcoin is projected to require all of the world's current energy production in order to support itself within three years, according to estimates.'

# Country ranking, annual electricity consumption



# Greenhouse gas emissions: Bitcoin vs 30 most polluting countries



# BTC mining

- Can use energy that other industries can't
- Can fix the "duck curve" - increase profitability and incentivise more renewable projects
- Can reduce global warming - methane emissions from coal mines and landfills are being used to power Bitcoin mining

Bitcoin > Research

## Research: Bitcoin mining could help slow climate change

Using methane that would be burned or released into the atmosphere for crypto mining could not only make Bitcoin carbon-neutral, but also help it reduce global emissions by as much as 2%.



Andjela Radmilac

Oct. 19, 2022 at 6:17 pm UTC

4 min read

Updated: October 19, 2022 at 6:17 pm





# Good for portfolios

# Bitcoin in a portfolio



01 High upside potential

02

93% mined, only 1.5m left to be mined



04

Volatility falling



05

Adding BTC to a 60:40 portfolio improves Sharpe Ratio



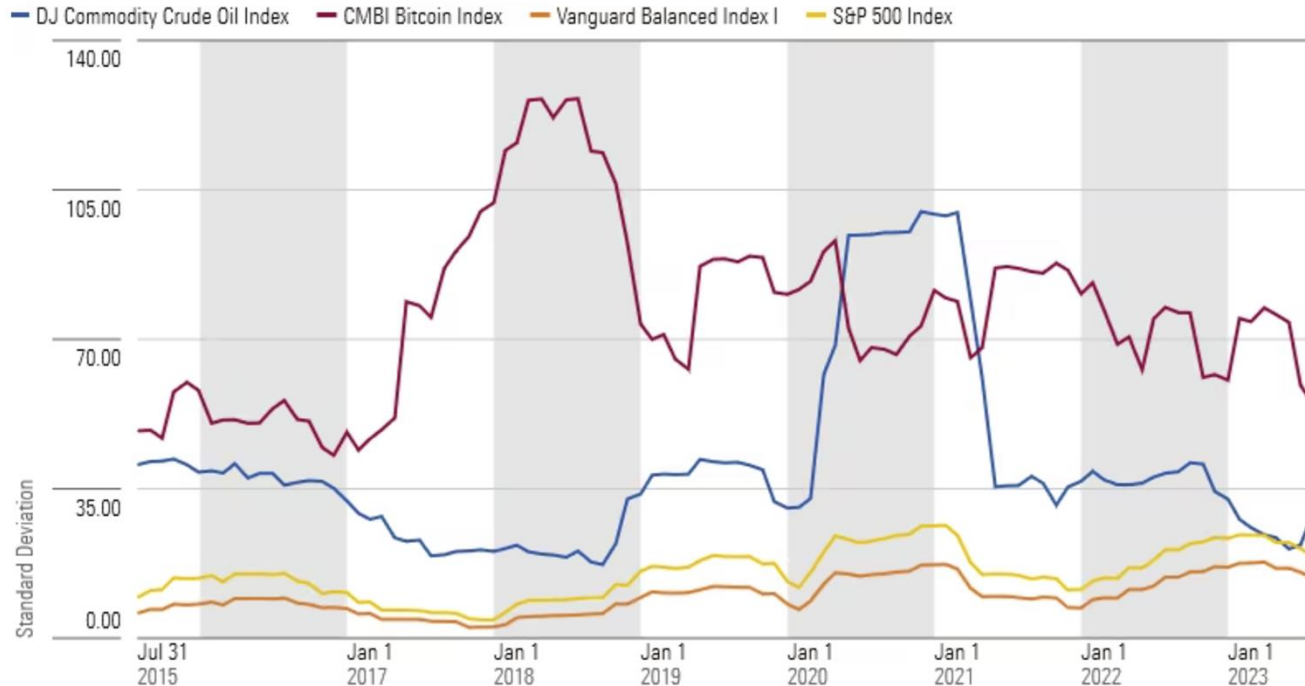
03

Low correlation (<0.2) to equities, gold and US 10yrs



# Falling volatility

## Rolling One-Year Volatility of Bitcoin Exceeds Other Assets



# Improves Sharpe Ratio

## Bitcoin Has Compensated Investors for Additional Risk

Name	Std Dev 10 Yr (Mo-End) USD	Sharpe Ratio 10 Yr (Mo-End) USD
60% Stocks/40% Bonds	9.59	0.77
1% Bitcoin	10.00	0.86
2% Bitcoin	10.65	0.91
5% Bitcoin	13.65	0.96
10% Bitcoin	20.39	0.93
20% Bitcoin	35.80	0.85

Source: Morningstar Direct.

“A 5% allocation to bitcoin in a traditional 60% Stock, 40% bond portfolio would increase the Sharpe Ratio, a measure of risk adjusted return, from .77 to .96, an increase of nearly 25%” Source - Morningstar

# Superior technology

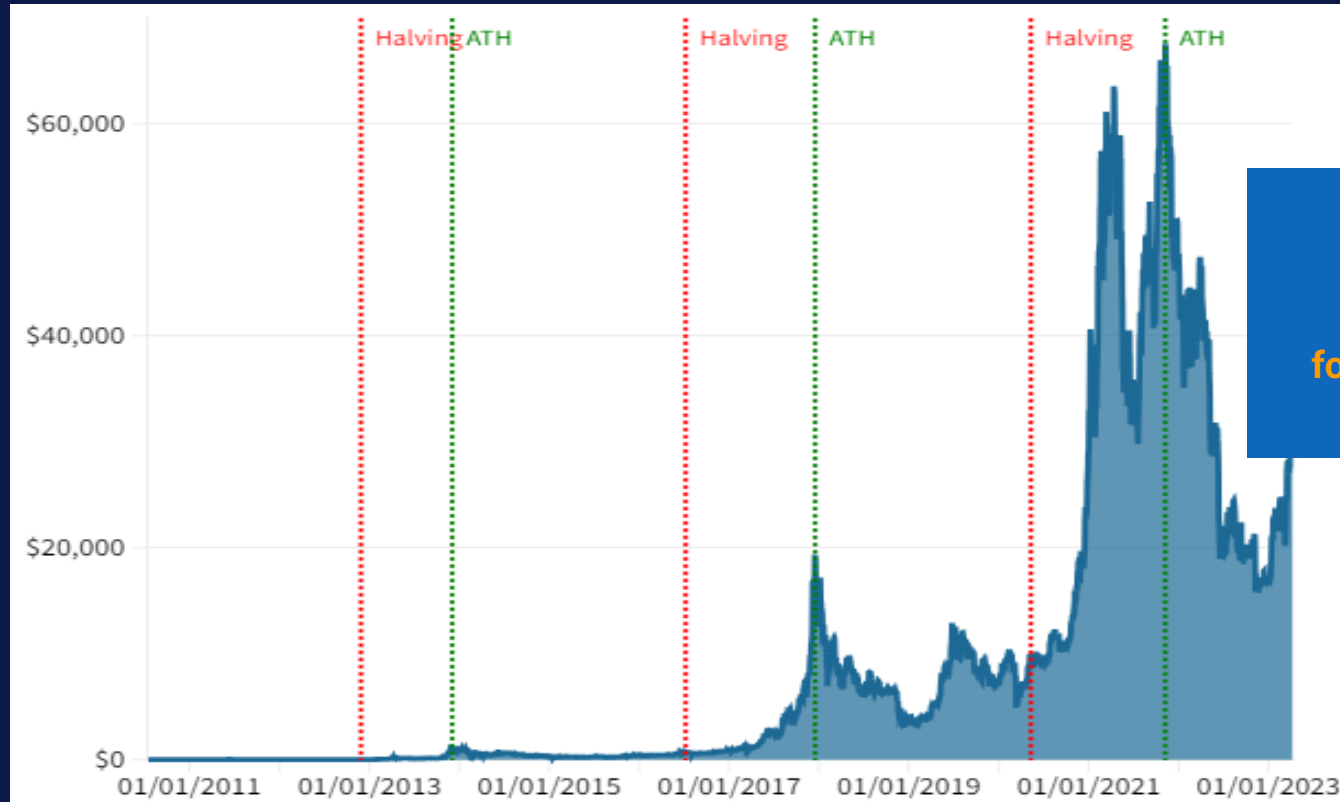
Trait	Gold	Bitcoin
Scarcity	Scarce, unknown supply	Scarce, limited supply
Counterfeit-resistance	Medium	High
Portability	Low	High <input type="text"/>
Decentralization	Low	High
Divisibility	Medium	High
Durability	High	High
Fungibility	Medium	High
User-friendliness and awareness	High	Medium

# Bitcoin vs Gold

- Gold market cap = US\$13 trillion
- Current Bitcoin market cap = US\$ 0.7 trillion
- If Bitcoin market cap reaches...

x gold mkt cap	Bitcoin market cap	Price per Bitcoin	% return
5.69%	\$740,000,000,000	\$38,400	
0.5	\$6,500,000,000,000	\$309,524	806%
1	\$13,000,000,000,000	\$619,048	1612%
2	\$26,000,000,000,000	\$1,238,095	3224%
5	\$65,000,000,000,000	\$3,095,238	8061%
10	\$130,000,000,000,000	\$6,190,476	16121%

# What happens in a halving



Bitcoin's price appreciated 9000%, 2800% and 600% following the last 3 halvings.

# Why now



01  
BTC supply  
halving in April  
2024

02  
93% mined, 1.5m  
left to be mined



03  
Top of the rates  
cycle

04  
Trust in institutions  
at all time low



05  
BTC spot ETF  
incoming





# Thank You

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