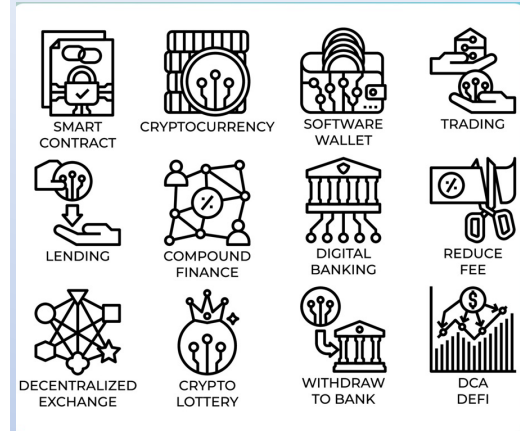




Headlines: Crypto Finance

June 2023



Recording Disclaimer

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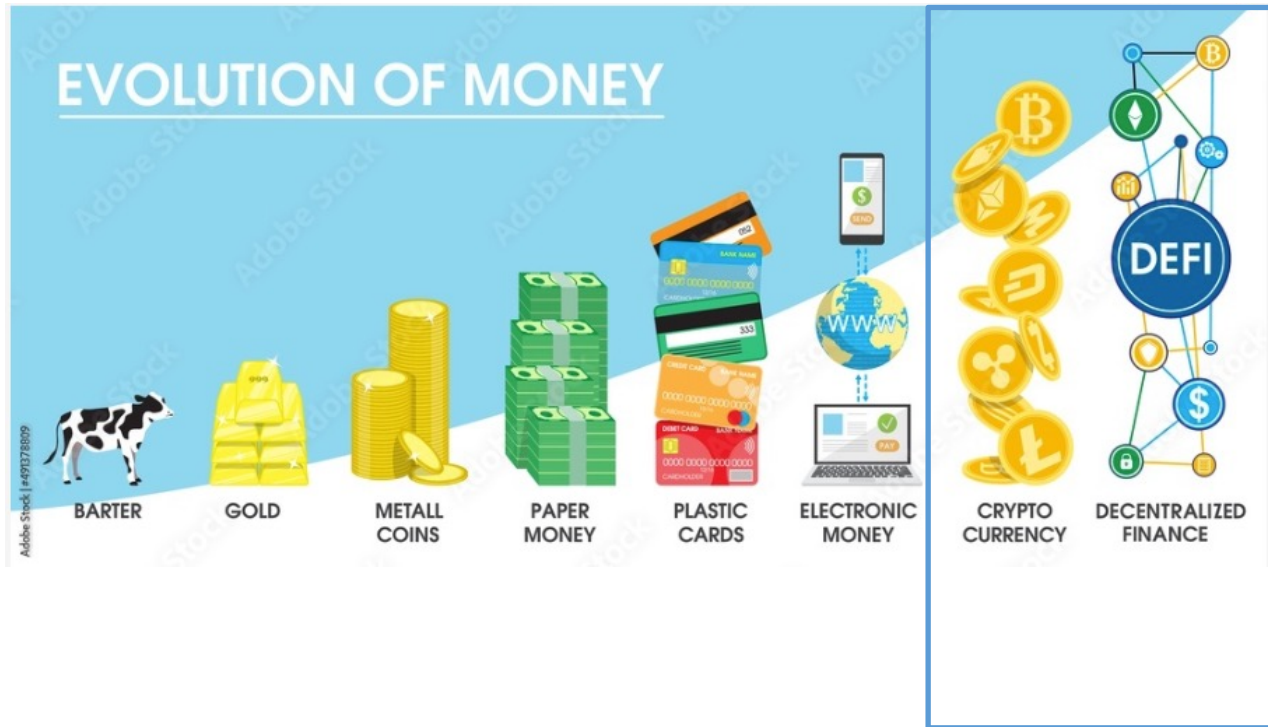
AGENDA

- Introduction (30 mins)
- Facilitated Q/A with industry professional & hobbyist (45 mins)
 - Paul Meeusen (VP of Finance, DFINITY Foundation)
 - Paul Lacourbe (Quantic SME and crypto Hobbyist Investor)
- Audience Q/A (15 mins)



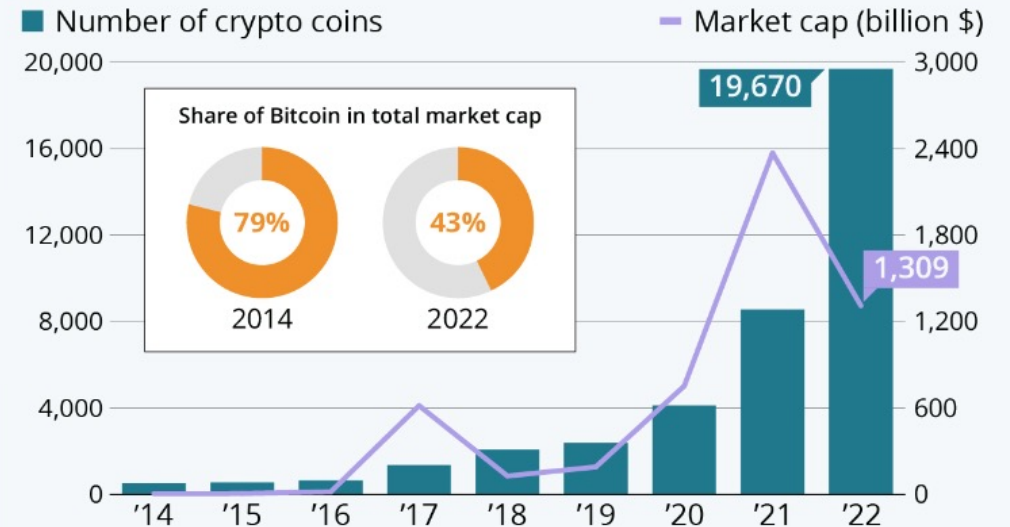
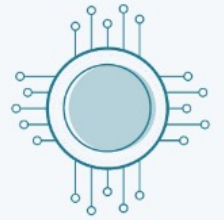
Introduction

Evolution of Money & Crypto

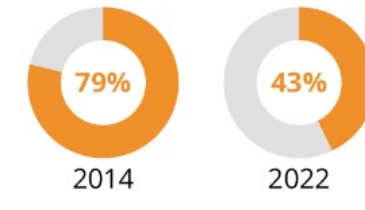


The Evolution of the Crypto Economy

Total number of cryptocurrencies and overall market capitalization*



Share of Bitcoin in total market cap



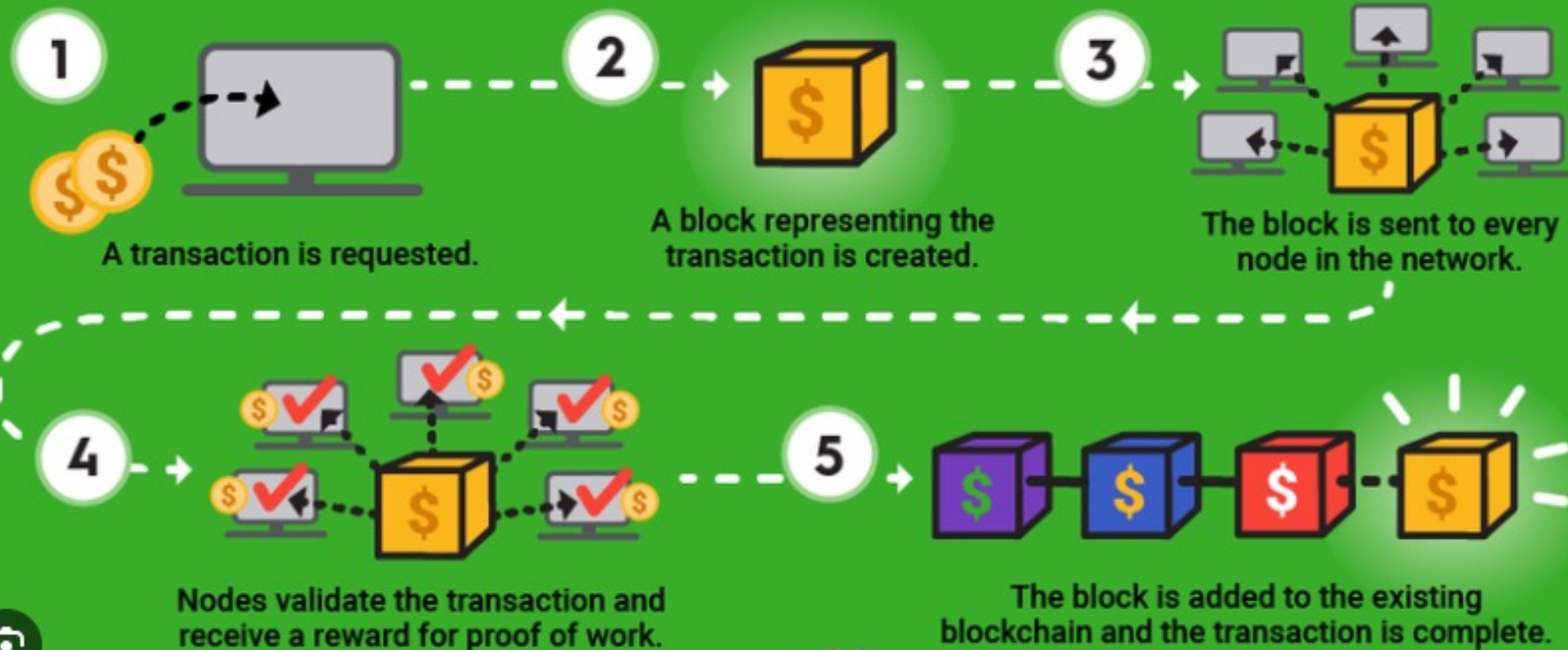
* At the end of the respective years from 2014 to 2021, May 31 for 2022.

Sources: Statista Digital Economy Compass 2022, CoinMarketCap



statista

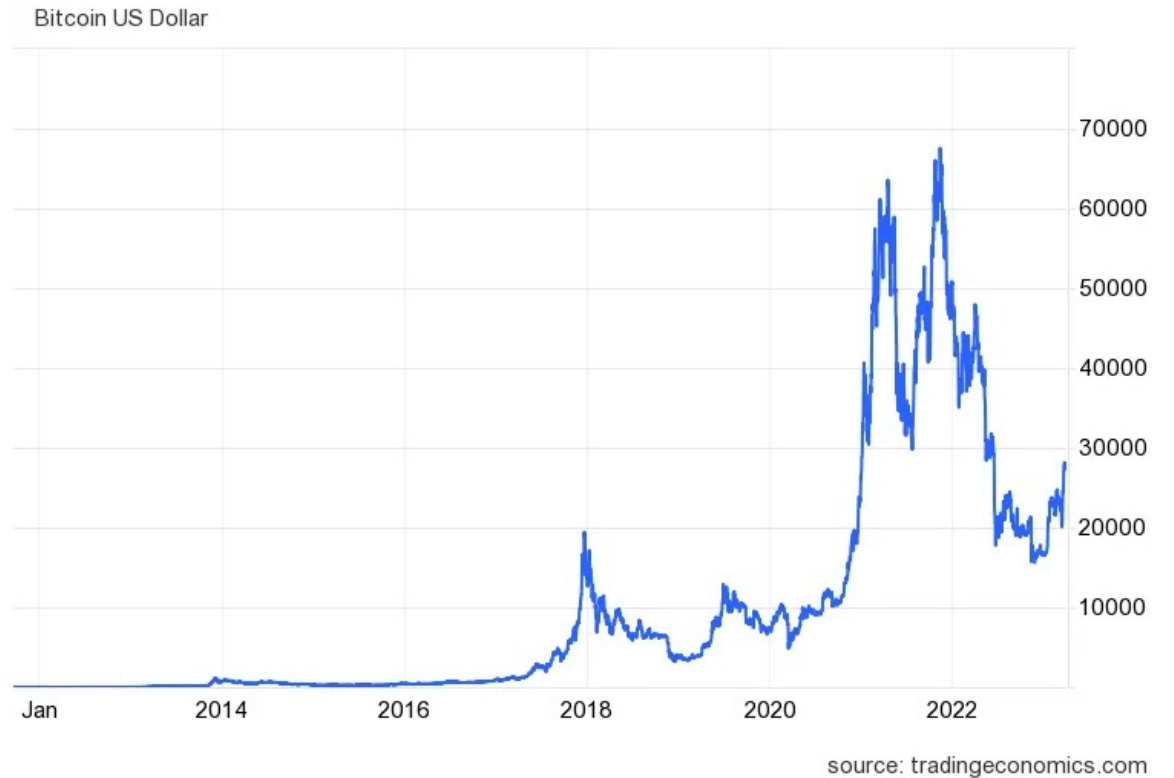
HOW BLOCKCHAIN WORKS



The Motley Fool

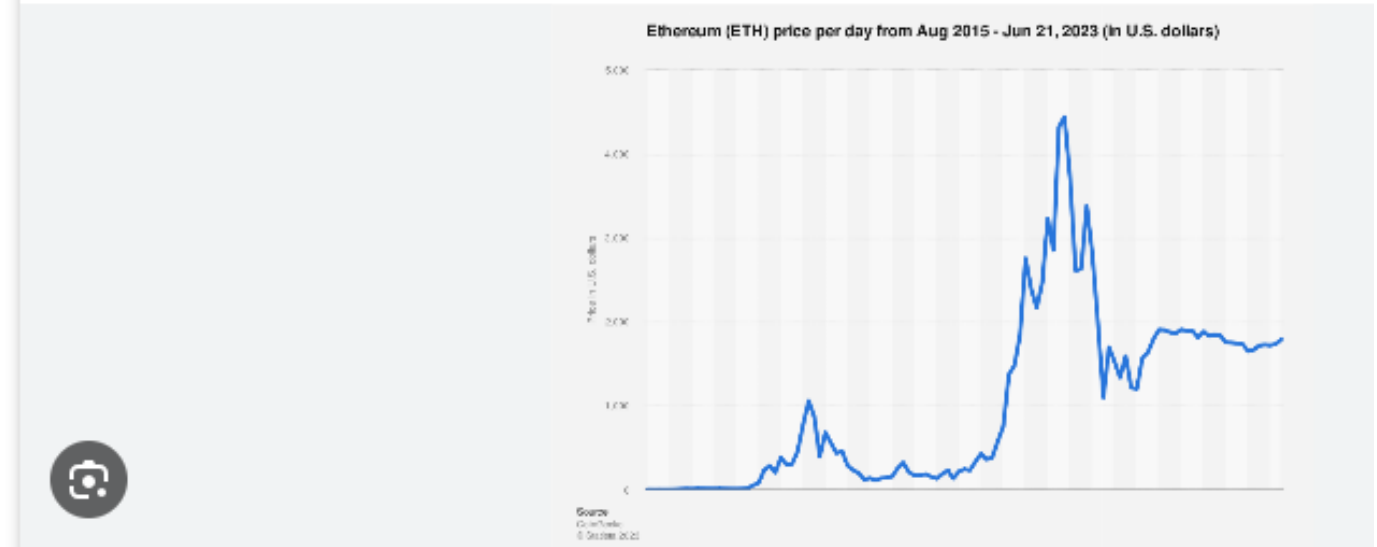
- Distributed database or ledger that is shared among the nodes of a computer network
- Guarantees the fidelity and security of record of data, generates trust without the need of a third party

Crypto Finance: Bitcoin



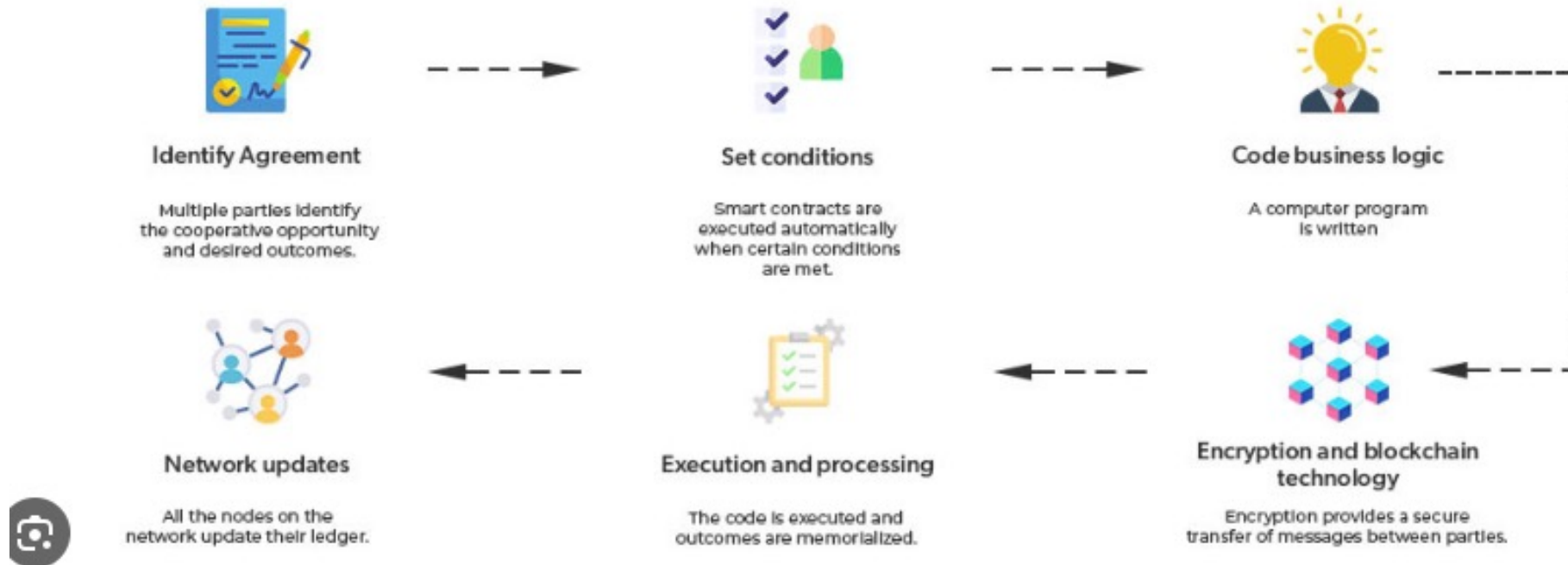
- Digital (crypto) currency whose transactions are processed, verified, and stored on a blockchain
- Uses “proof of work” consensus mechanism that expends a lot of computing resources

Crypto Finance: Ethereum



- Decentralized global software platform powered by blockchain technology
- Infrastructure supports smart contracts that are essential for DeFi applications
- Uses "proof of stake" consensus mechanism that reduces resource usage (environmentally friendlier)

How does a Smart Contract Work?



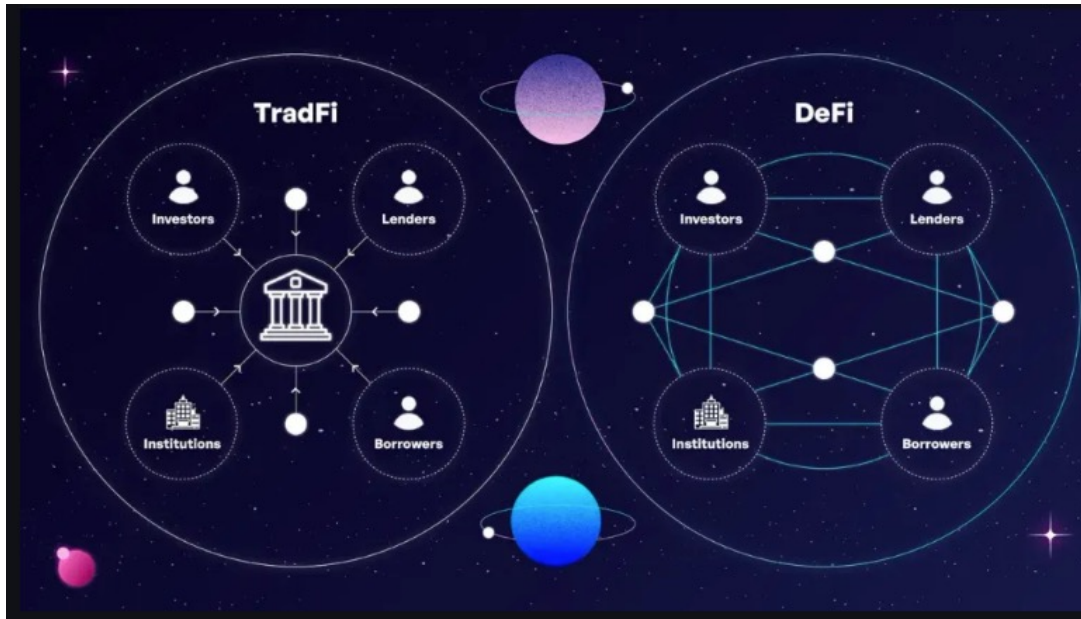
- Self-executing program that automates the actions required in an agreement or contract
- Once completed, the transactions are trackable and irreversible
- It's a set of "if-then-else" statements that executes actions when conditions are met!
- Wide ranging use cases are currently evolving!

Crypto Finance: Stable Coins



- Cryptocurrencies whose values are pegged to that of another currency (say \$ or BTC), commodity, or financial instrument
- More useful than more-volatile cryptocurrencies as a medium of exchange, so act as a bridge between CeFi and DeFi
- Maintain price stability through enforcing collateral requirements

Traditional Finance (CeFi) vs. DeFi



Traditional

- Users must share personal data, which is vulnerable to security breaches.
- The unbanked or underbanked can't access traditional financial services.
- Payments can be intercepted and markets can be shut down.
- The clearing and settling of transactions can take days.
- The hours of operation are limited.

VS.

DeFi

- No need to disclose personal details, just connect a digital wallet.
- Users custody their own funds, easier to avoid loss of funds.
- Trustless — no need to worry if a protocol will do what it says it will do.
- Speedy — transactions are completed in near real-time.
- The DeFi markets operate around the clock, 24/7/365.

Crypto Finance: Top Trends

Blockchains have more active users!

Active addresses are growing steadily as web3 adoption increases

Active Addresses

Number of unique active (sending) addresses across all tracked blockchains during the month.

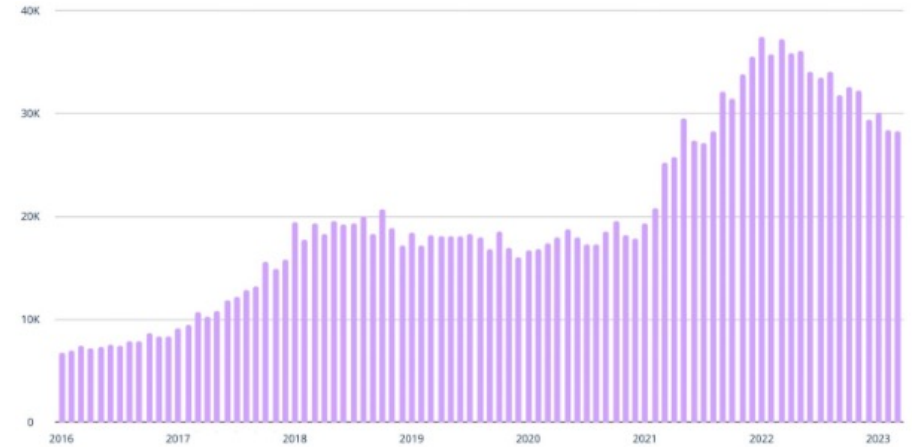


Source: Nansen Query. Tracked blockchains include Ethereum, Polygon, Solana, Avalanche, Fantom, Celo, Optimism, and Arbitrum.

Active Developers

Number of unique GitHub users who have committed to or forked a public crypto repository during the month.

Number of active developers holding steady!



Source: Github and Electric Capital (<https://github.com/electric-capital/crypto-ecosystems>).

Decentralized exchanges trading over \$100B!

DEX Volume

Total on-chain volume on decentralized exchanges (denominated in USD) during the month.



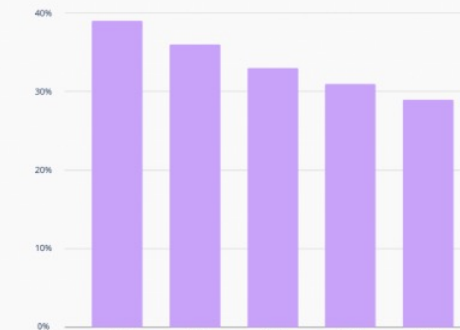
Source: Defi Llama.

Lack of regulatory clarity slowing US crypto growth

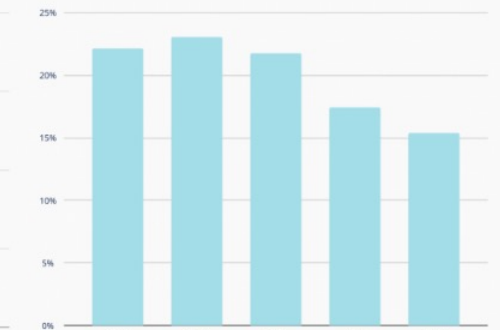
a16z crypto State of Crypto 2023 Trends to Watch: Regulation and Policy 27

The U.S. is losing its lead in web3

% of crypto developers in the United States



Top crypto websites* - % of traffic from the United States



Source: Electric Capital, SimilarWeb | *Includes Coinbase.com, Binance.com, Coinmarketcap.com, Coingecko.com, Etherscan.io.



Q/A with Paul Meeusen

About Paul M.

- VP of Finance at Dfinity Foundation (www.dfinity.org), is an experienced entrepreneur, finance and risk manager.
- Co-founded the insurance blockchain firm B3i and was elected by Acord among the Top Ten InsurTech Leaders in 2018.
- Spent 25 years in finance, risk, operations and audit management roles at Swiss Re and PwC, across Europe, US and Asia.
- Swiss and Belgian citizen and holds a MS in economics from the University of Leuven (Belgium) and is a Certified Internal Auditor.





Q/A with Paul Lacourbe



About Paul L.

- Subject matter expert in Supply Chain and Operations Management at Quantic. Prior teaching roles at ESSEC (France) and CEU (Hungary).
- Ph.D. from INSEAD in France.
- Published in Production and Operations Management, European Journal of Operational Research, International Journal of Innovation Management, Current Issues of Business and Law, Revue Française de Gestion.
- Invited to give a talk twice at TEDx Danubia.





Q/A with Audience



Wrap Up

- Hope you found this session to be interesting and informative!
- I would love your feedback – will help me refine content for future sessions

[Link to Feedback Survey](#)

Thank You!

DeFi: Key Characteristics

