

Virtual assets 2022 review and 2023 outlook

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2022 was a year of ups and downs for virtual assets

FTX and other bad actors grabbed global headlines, but there was also significant innovation, including progress overcoming blockchain scalability challenges

March: \$600m+lost in Ronin hack

The Ronin network, which supports the largest blockchain game Axie Infinity, was hacked by North Korean hacking group Lazarus after they gained access to five of the nine Ronin chain validators



March: Crypto donations aid Ukraine

(\$)

After Russia moved to invade, the Ukrainian government reached out to the crypto community for donations in BTC, ETH and stablecoins, with total funds raised close to \$100m

May: Otherside breaks NFT mint record

Yuga Labs (creators of BAYC, MAYC) introduced metaverse 'Otherside' and sold 55,000 plots of 'Otherdeed' virtual land NFTs for over \$310m, making it the most significant NFT drop in history



Stablecoin TerraUSD (UST) lost its USD peg, wiping out LUNA, losing approximately \$60b and was the catalyst for the ensuing CeFi credit crisis and contagion



01-Jan 01-Feb 01-Mar 01-Apr 01-May 01-Jun

June: Fall of 3AC

Hedge fund Three Arrows Capital (3AC) filed for bankruptcy amidst a liquidity crunch catalysed by the Terra LUNA collapse, with \$3.5b of claims outstanding from creditors and wiping out more than \$1T in crypto market-cap - leaving a trail of destruction

02: Liquid staking gaining traction

The adoption of liquid staking protocols grew exponentially in Q2 of 2022, with more than 6m Ether locked in pools worth approximately \$8.45b



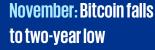
Tornado Cash protocol was added to the sanctions list by OFAC who stated cybercriminals used it to launder over \$1bn of crypto. Developer Alexey Pertsev was arrested following the sanctions for his involvement in writing the code

September: Ethereum 'The Merge'

'The Merge' marked the completion of Ethereum's transition to proof-of-stake (PoS) consensus from proof-of-work (PoW), reducing energy consumption by roughly 99.95%. This marked a significant step in the roadmap to scalability, security and sustainability



Layer 2 blockchains on Ethereum reached higher average transactions per second (TPS) than Layer 1 in October and have maintained that position since, showing positive signs for scalability in the near future







Bitcoin's price struggled throughout the year and hit a low of \$15,625 on 9 November - its lowest level since November 2020, after Binance retreated from an earlier plan to acquire FTX

November: Collapse of FTX



Crypto giant FTX collapsed into bankruptcy in November, exposing widespread fraud, misappropriation of customer deposits and a complete failure of corporate controls and risk management

2022: Web2 adopt NFTs



Web2 and traditional businesses are exploring NFT utility for brand building, enhancing customer engagement and rewards. Reddit, Instagram, Twitter, and Starbucks are some who have taken the first steps in NFT adoption, paving the way for more widespread crypto adoption

CoinMarketCap, Messari Research, Chainalysis, CoinDesk, CoinCulture, The Block, Ethereum, CNBC, KPMG research and analysis Sources:



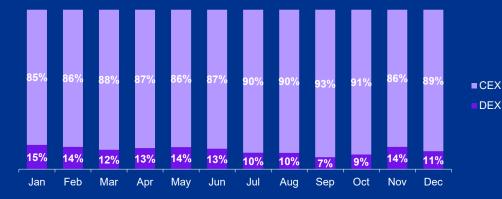
There were significant headwinds across sectors...

Global events left long-term impacts on the broader crypto market which will likely continue throughout 2023



Both BTC and ETH faced overall price declines of over 60% in 2022

CEXs still made up the majority of spot trading volume in 2022, despite an increase in DEX usage following the FTX bankruptcy in November



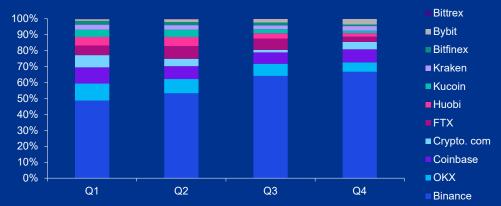
Sources: CoinMarketCap, Coinbase, CryptoCompare, Dune Analytics, The Block, KPMG research and analysis

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NFTs sales on OpenSea have decreased over 50% from the highs seen in 2021 amidst a macroeconomic downturn and ongoing crypto winter, as well as increased competition



Binance remains dominant in the spot cryptocurrency market across top CEXs, but the downfall of FTX resulted in an outflow of assets across exchanges to self custody solutions



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...but we expect the crypto ecosystem will see further growth and evolution in 2023 and beyond

While it's fair to say 2022 has been brutal for crypto-fans, this is exactly the point in the cycle where one should be paying attention to new developments and innovation. There are a lot of reasons for optimism and excitement for the future of crypto and Web3. We are starting a new age of build and exploration." **Barnaby Robson, Partner**



Messari Research, Coinbase, CoinDesk, The Block, KPMG research and analysis Sources:

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Contacts



Barnaby Robson Partner, Deal Advisory,

Hong Kong **KPMG** China T: +852 2826 7151 E: barnaby.robson@kpmg.com



Jordan Sanders

Associate Director, Deal Advisory, Hong Kong **KPMG** China T: +852 2913 2552 E: jordan.sanders@kpmg.com



Christine Tan

Assistant Manager, Deal Advisory, Hong Kong **KPMG** China T: +852 3927 5757 E: christine.tan@kpmg.com

Tom Jenkins Head of Financial Risk Management, Hong Kong **KPMG** China T: +852 2143 8570

Robert Zhan Director, Financial Risk Management, Hong Kong KPMG China

T: +852 2685 7305 E: robert.zhan@kpmg.com

E: tom.jenkins@kpmg.com







Nigel Hobler Partner, Tax, Hong Kong **KPMG** China T: +852 2978 8266 E: nigel.hobler@kpmg.com







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