



CoinGecko Yearly Report

for 2018



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In Collaboration with:



NonFungible.com

TokenMarket



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Editor's Notes:

Once again we are proud to launch our Final Year report for 2018. I would like to take this opportunity to thank the entire *CoinGecko Team* for the great collaborative effort to deliver this very special report!

Special thanks to the team at *TokenMarket*, *Dapp.com*, *Masternodes Online* and *Nonfungible.com* who partnered with us to provide great insights on STOs, Dapps, Masternodes and Non-Fungible Tokens respectively.

Also, this issue is filled with insights and analyses compiled over the last few quarters- ICOs, Exchanges, Market Distribution, Thefts, and more. We have also dedicated sections on Stablecoins and the Bitcoin Cash fork!

As always, we welcome any comments or feedback to help us improve this report for your benefit.

We hope you enjoy this report!



DANIEL CHENG, EDITOR
daniel@coingecko.com

Founder's Notes:

2018 was a year where many involved in the cryptoasset space would like to forget. After the great bull run of 2017, cryptoasset prices could not maintain its upward trajectory and had a major correction throughout the year. Prices for most cryptoassets fell anywhere between 70% to 95% from their All-Time-High.

As markets declined throughout the year, we saw many blockchain companies struggling financially and had to conduct a layoff. For instance, Bitmain had the ignominy of laying off 1,500 staff representing 50% of their workforce. Steemit Inc. had a bigger percentage cut and laid off 70% of their employees. We saw other companies like Consensus, Kraken, Coinfloor, Status, and Po.et announcing layoffs as they aim to streamline their operations in a bear market.

H1 2018 marked a period of peak ICO exuberance with EOS completing its year-long ICO, raising \$4.2 billion. As we progressed throughout the year, the ICO market struggled and we ended the year with many projects struggling to hit its hard cap. We also saw another major chain split dividing the community, this time involving Bitcoin Cash.

2018 also saw strong development in the areas of stablecoins, decentralized apps (dApps), Security Token Offering, masternodes and Non-Fungible Tokens. We have worked with our partners to deliver some great insights in this Year End Report.

While prices of most cryptoassets declined, we at CoinGecko saw strong growth in number of new coins, ICOs and exchanges launched in 2018. We started tracking 2,050 new coins, 2,703 new ICOs and 229 new exchanges. These newly created coins, ICOs and exchanges represent the largest growth in the history of the cryptoasset space on a year-on-year basis.

Internally, we grew our team to 10 people and launched many new features. We are proud of the public launch of our free developer API, mobile apps on iOS and Android, and our daily market newsletters. It is our belief that crypto data should be democratized and we aim to make it accessible to all.

We hope you find this report beneficial as we learn and grow together in 2019. Do share this report to your friends and feel free to send us suggestions on ways to improve via email at hello@coingecko.com. May we see better growth in the cryptoasset industry in 2019.



Bobby Ong
Co-founder



TM Lee
Co-founder

MARKET DYNAMICS

Market Dynamics: 2018 Yearly Market Overview

-78.85%

Total Mkt Cap drop in 2018*

Total Market Capitalisation has been on a downtrend in 2018.

However, despite the market downturn, trading volume has remained consistent throughout the year, fuelled by growth of new exchanges and exchanges conducting trans-fee mining to boost trading volume.



*Based on Top-30 Cryptocurrencies

Market Dynamics: Q4 2018 Market Overview

-44.25%

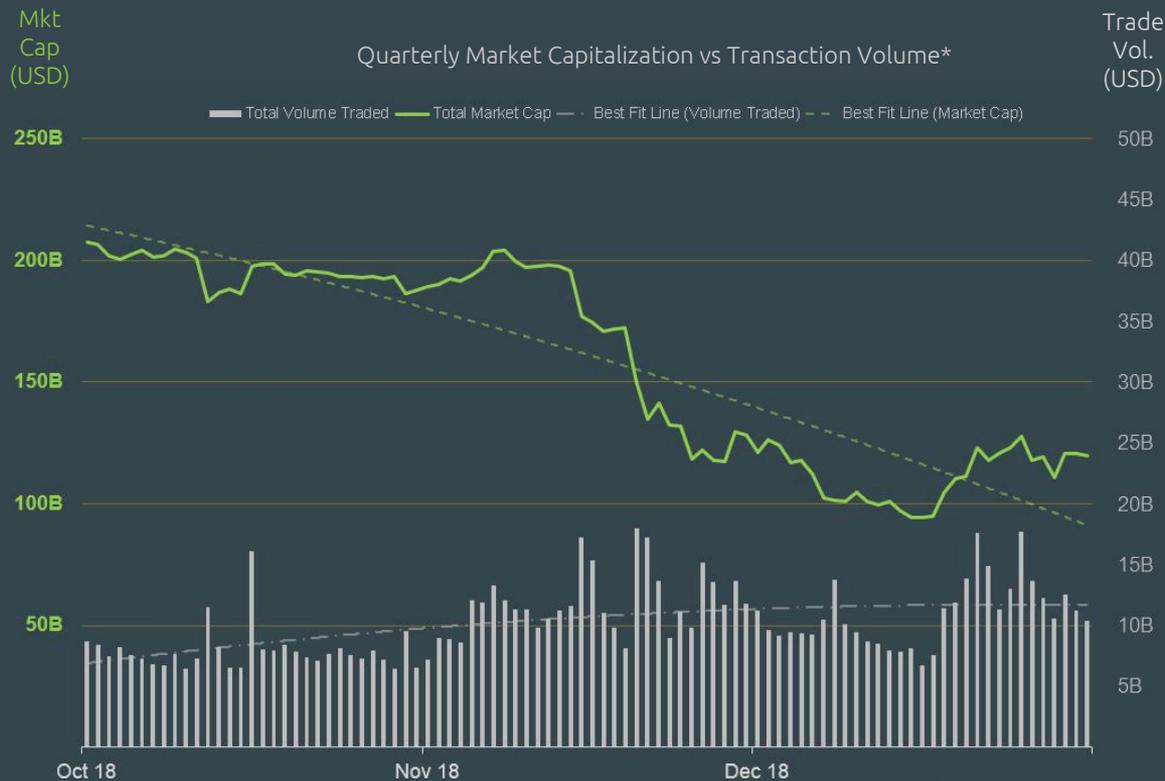
Total Mkt Cap drop in Q4 2018*

Q4 2018 has seen a downward trend in market cap.

We witnessed a sharp drop towards the end of November.

The trend continued till mid-december with the *Market Cap** dipping below \$100b before recovering slightly.

Meanwhile, trading volume has been steadily growing with an uptick towards the end of December.



*Based on Top-30 Cryptocurrencies

Market Dynamics: 2018 Returns of Top-5 Coins

Despite healthy trading volume, **all the Top-5 coins saw negative returns** with Bitcoin Cash losing the most value and EOS having most volatility.

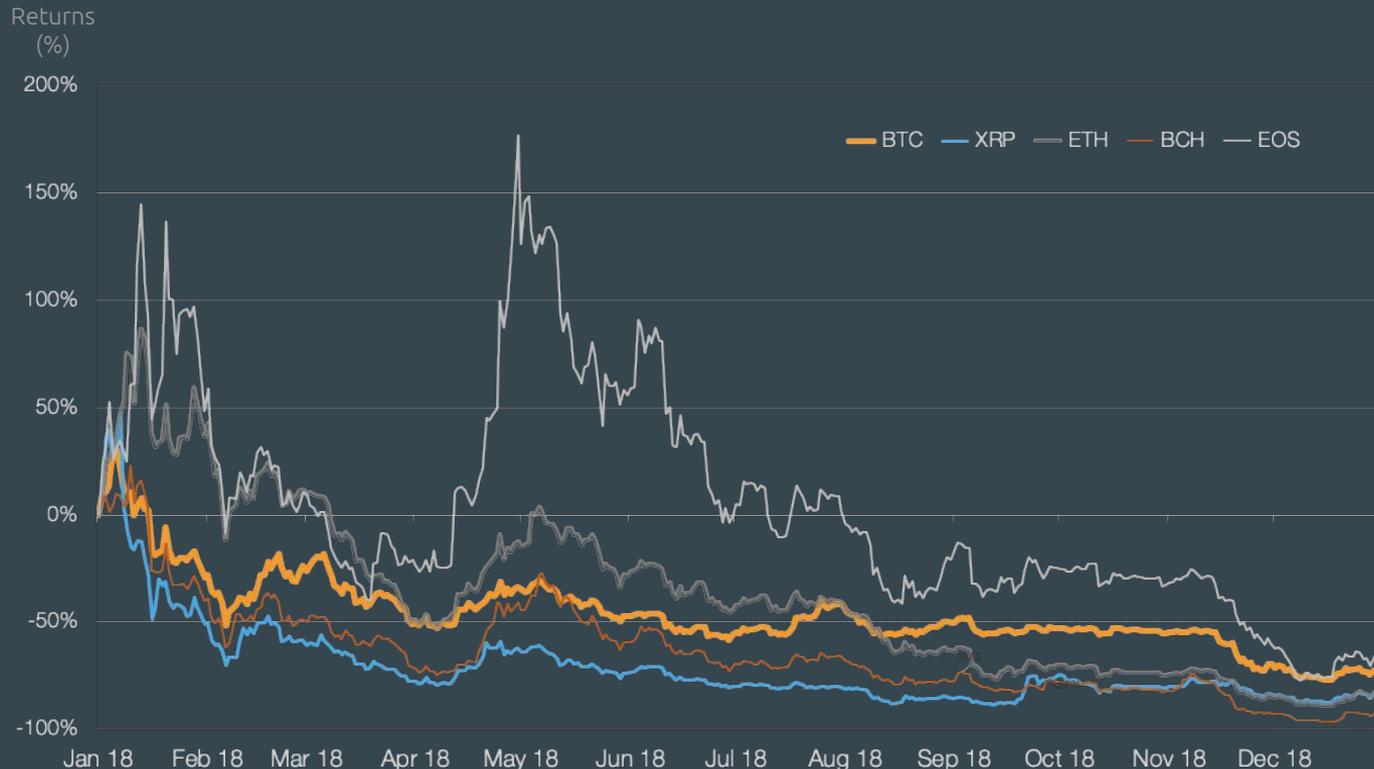
 **-73%**

 **-82%**

 **-84%**

 **-93%**

 **-66%**



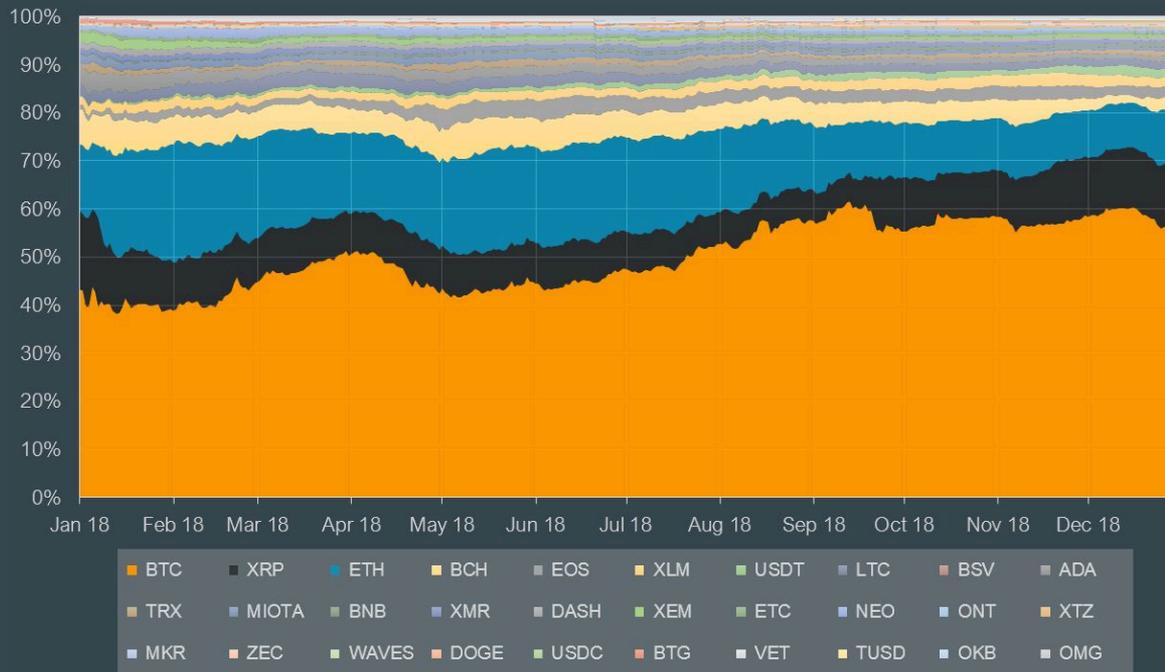
Market Dynamics:

2018 Market Cap Distribution of Top-30 Coins

Bitcoin's market dominance went up from a low of 40% to close the year above 55% among top 30 coins.

Both Ethereum and Bitcoin Cash saw their market dominance shrink over the year. XRP however managed to gain market dominance in Q4 to end the year in 2nd position.

As of 31st December 2018, the Top-8 coins still commanded almost 90% of the Top-30 coins.



 **55.7%**

 **12.3%**

 **11.8%**

 **2.26%**

 **2.24%**

 **1.84%**

 **1.79%**

 **1.55%**

Market Dynamics:

Price Actions Since All-Time-High

	Max Price	Days Since	Q4 Close	
Bitcoin	\$19,665.39	380	\$3,809.73	-81%
XRP	\$3.40	358	\$0.36	-89%
Ethereum	\$1,448.18	352	\$137.63	-90%
Bitcoin Cash	\$3,785.82	376	\$160.70	-96%
EOS	\$22.71	246	\$2.63	-88%
Stellar	\$0.88	362	\$0.12	-87%
Tether	\$1.32	160	\$1.01	-24%
Litecoin	\$360.66	378	\$31.32	-91%
Bitcoin SV	\$246.53	47	\$87.55	-64%
Cardano	\$1.18	361	\$0.04	-96%
Tron	\$0.23	360	\$0.02	-92%
IOTA	\$5.25	377	\$0.35	-93%
Binance Coin	\$24.37	359	\$5.89	-76%
Monero	\$542.33	356	\$48.13	-91%
Dash	\$1,493.59	376	\$80.65	-95%
NEM	\$1.87	358	\$0.07	-96%
Ethereum Classic	\$44.34	351	\$5.21	-88%
NEO	\$198.38	350	\$7.95	-96%
Ontology	\$10.92	242	\$0.61	-94%
Tezos	\$10.74	379	\$0.49	-95%
Maker	\$1,798.70	345	\$466.80	-74%
Zcash	\$3,191.93	793	\$59.29	-98%
Waves	\$16.08	375	\$3.05	-81%
Dogecoin	\$0.02	358	\$0.00	-87%
USD Coin	\$1.14	77	\$1.00	-13%
Bitcoin Gold	\$456.25	376	\$13.56	-97%
Vechain	\$8.46	345	\$0.42	-95%
TrueUSD	\$1.62	127	\$1.00	-39%
OKB	\$5.42	195	\$0.69	-87%
Omisego	\$25.62	352	\$1.40	-95%

329

Average
Number of
Days Since
All-Time-High

-83%

Average
Percentage
Drop

Market Dynamics: Historical Ranking for Top-30 Coins

Q1 2018
vs Q4 2017

BTC	ETH	XRP	BCH	LTC	EOS	ADA	XLM	NEO	MIOTA	XMR	TRX	DASH	USDT	XEM	ETC	QTUM	VET	BNB	ICX	OMG	LSK	BTG	NANO	ZEC	ONT	BTM	XVG	BTCP	DGD
	+1	-1		+1	+9	-2	+2	+3	-3		+5	-4	+15	-7	+4	-3	+27	+17	+2	+2	-1	-8	-6	+1	NEW	+35	-12	+87	+37

Q2 2018
vs Q1 2018

BTC	ETH	XRP	BCH	EOS	LTC	ADA	XLM	MIOTA	USDT	TRX	XMR	NEO	DASH	BNB	ETC	VET	XEM	OKB	HT	OMG	ONT	QTUM	ZEC	ICX	LSK	BCN	ZIL	DCR	AE
				+1	-1			+1	+4	+1	-1	-4	-1	+4		+1	-3	NEW	NEW		+5	-6	+1	-5	+4	+5	+14	+19	+4

Q3 2018
vs Q2 2018

BTC	ETH	XRP	BCH	EOS	XLM	LTC	USDT	ADA	XMR	MIOTA	DASH	TRX	NEO	ETC	BNB	XTZ	XEM	VET	DOGE	ZEC	OMG	BTG	BCN	LSK	ONT	MKR	ZRX	QTUM	DCR
					+2	-1	+2	-2	+2	-2	+2	-2	-1	+1	-1	NEW		-2	NEW	+3	-1	+8	+3	+1	-4	NEW	NEW	-6	-1

Q4 2018
vs Q3 2018

BTC	XRP	ETH	BCH	EOS	XLM	USDT	LTC	BSV	ADA	TRX	MIOTA	BNB	XMR	DASH	XEM	ETC	NEO	ONT	XTZ	MKR	ZEC	WAVES	DOGE	USDC	BTG	VET	TUSD	OKB	OMG
	+1	-1				+1	-1	NEW	-1	+2	-1	+3	-4	-3	+2	-2	-4	+7	-3	+6	-1	+18	-4	NEW	-3	-8	+37	-6	-8

XRP ended the year as the 2nd largest cryptocurrency by market capitalization.

Tether, a stablecoin ended the year as a top 10 cryptocurrency while Maker ended the year as a top 30 cryptocurrency.

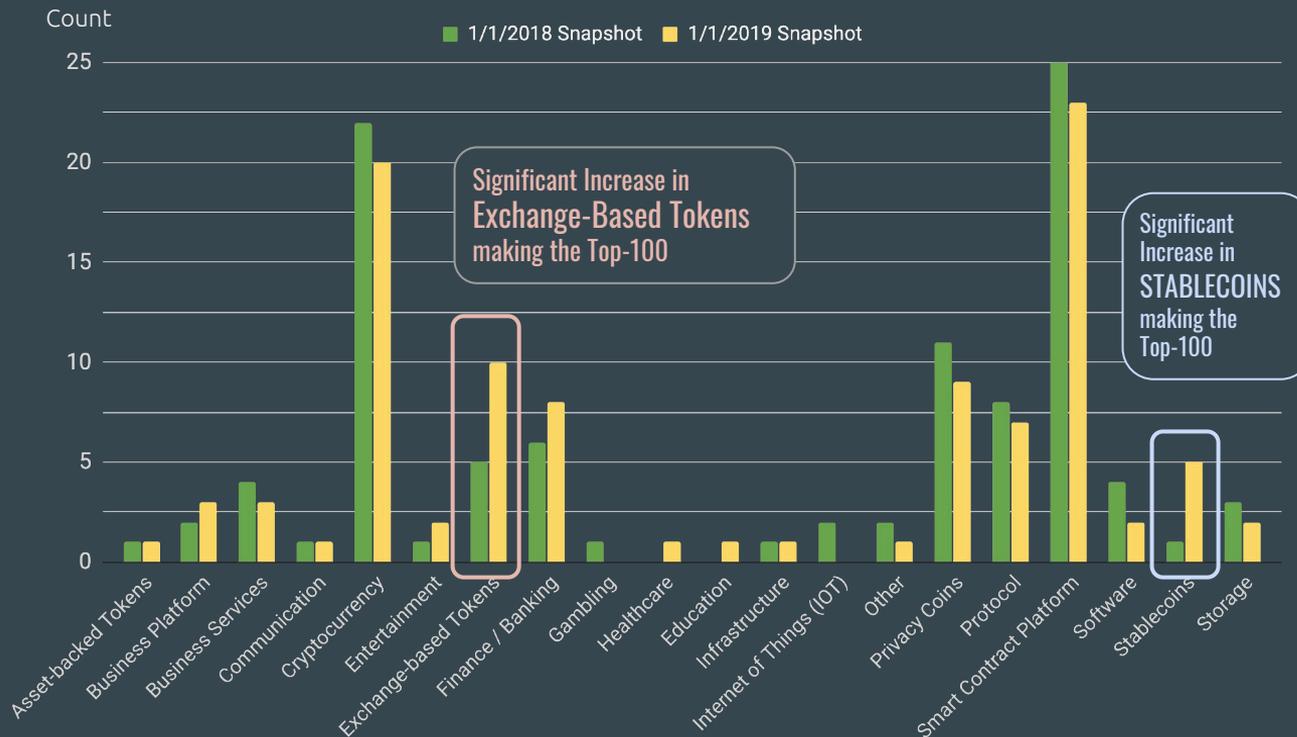
Market Dynamics: Top-100 Coins by Categories

Throughout 2018, the number of exchange-based tokens and stablecoins making the Top-100* coins increased significantly displacing coins from other categories.

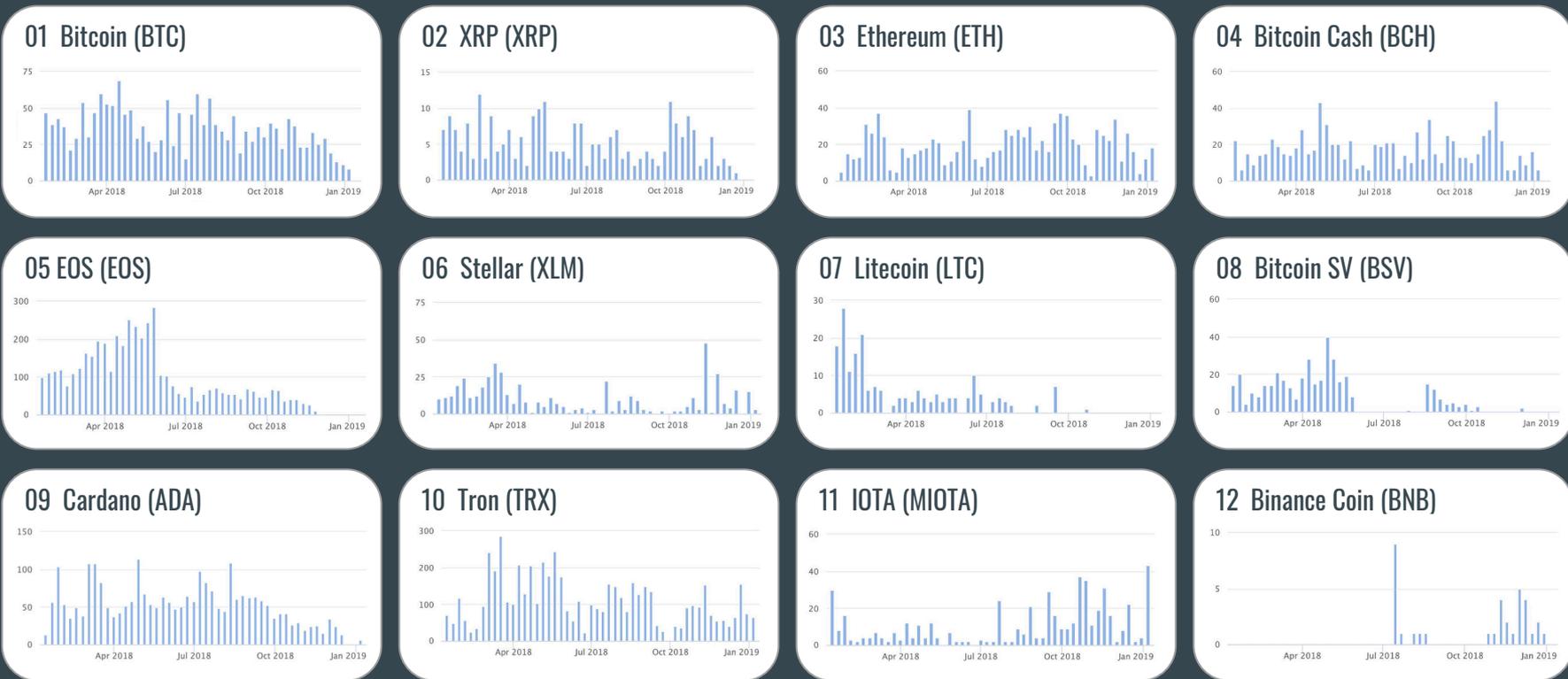
Cryptocurrencies** such as Bitcoin/Litecoin and Smart Contract Platforms continue to dominate the Top-100* coins.

** P2P Value transfer coins such as Bitcoin/Litecoin

* Top-100 coins ranked by Market Cap



Market Dynamics: Developer Activity for Top-12 Coins



● Number of Commits on Github

Market Dynamics: State of the Lightning Network

Source: <https://p2sh.info/dashboard/db/lightning-network>



In just under a year, the Lightning Network has gone from zero on 16/1/2018 to 20,820 Open Channels with a Channel Value Sum of 531,814 BTC (\$2.03m USD) by 1/1/2019 proving to be a tremendous success.

Lightning Network enables fast transactions between participating nodes and has been touted as a solution to the [Bitcoin scalability problem](#). It features a *peer-to-peer* system for making micropayments of cryptocurrency through a network of bidirectional payment channels without delegating custody of funds.

CRYPTO EXCHANGES

Crypto Exchanges: Top Exchanges for Q4 2018

	Exchange	Median Trading Vol.
1	 bithumb	\$ 1,427,792,738
2	 ZB COM	\$ 894,765,566
3	 BINANCE	\$ 778,293,139
4	 OKEX	\$ 599,233,075
5	 EXK.COM	\$ 493,213,067
6	 Huobi	\$ 490,753,847
7	 BitForex	\$ 373,115,916
8	 ZBG	\$ 338,431,635
9	coinbene	\$ 299,815,902
10	 IDAX	\$ 298,727,702

	Exchange	Median Trading Vol.
11	 DigiFinex	\$ 262,717,399
12	 HitBTC	\$ 260,322,145
13	 LBANK	\$ 258,430,858
14	 Bibox	\$ 258,429,857
15	DOBI	\$ 247,087,788
16	 BITFINEX	\$ 244,661,706
17	 Bit-Z	\$ 221,802,757
18	UPbit	\$ 197,877,699
19	 BCEX	\$ 187,506,993
20	Coinsuper	\$ 162,024,452

	Exchange	Median Trading Vol.
21	 IDCM KOREA	\$ 198,038,094.09
22	 JEX	\$ 139,350,962.62
23	 FCOIN	\$ 136,313,957.61
24	 COINEAL	\$ 125,937,654.66
25	 BitMart	\$ 125,156,594.36
26	 BITKER	\$ 119,832,556.73
27	 KKCOIN	\$ 111,438,314.04
28	HB.top	\$ 90,265,784.00
29	 Liquid <small>by Quone</small>	\$ 87,728,573.25
30	 PURCOW	\$ 80,832,951.42

* Values are reported volumes from exchanges

#35  **kraken**

#39 **coinbase** | Pro

#53  **BITTREX**

Crypto Exchanges:

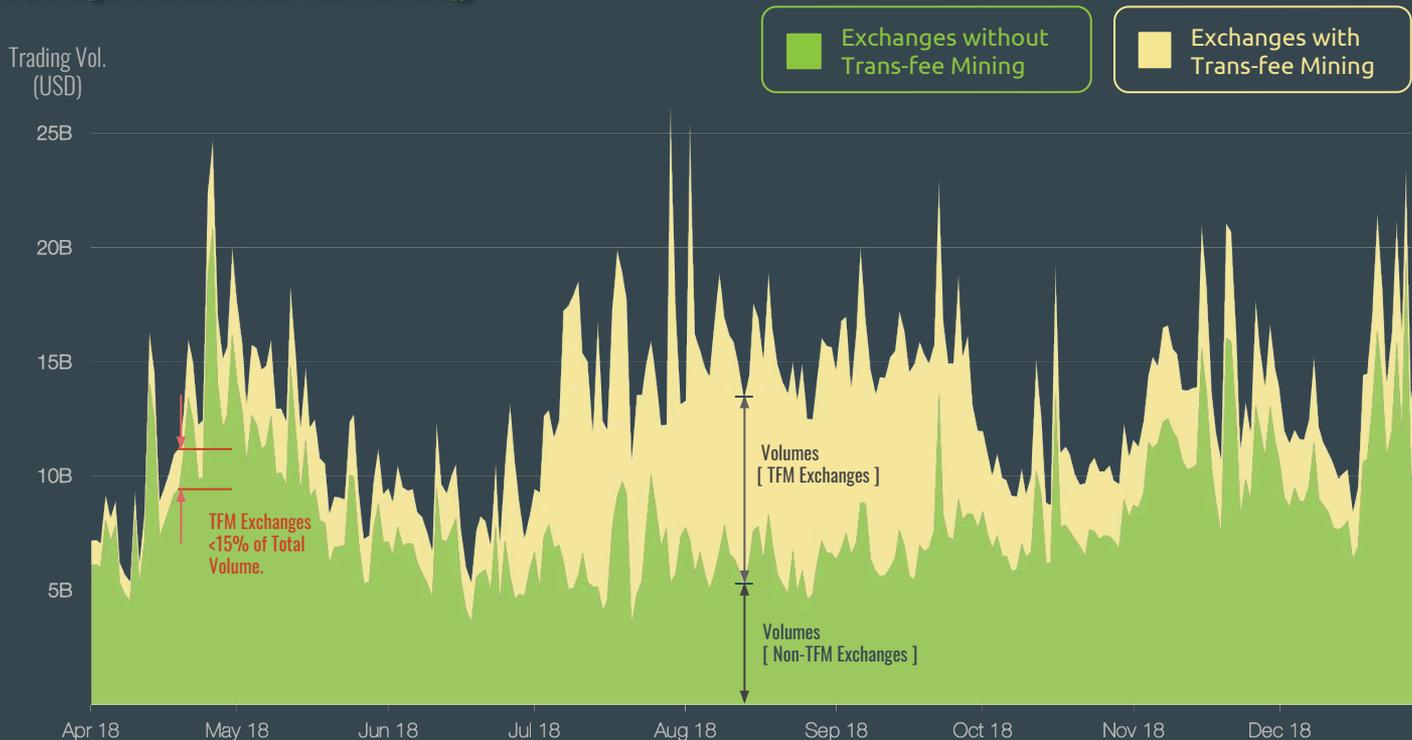
Growth and Trading Volume for 2018

(Distribution of Trading Volume from Exchanges with and without Trans-Fee Mining)

Up till the end of Q2, exchanges **without TFM*** had nearly 90% of total trading volume.

Around Q3, exchanges **with TFM*** were introduced and surged in popularity with about 60% of the volume through up to Q4.

In Q4 however, exchanges began shifting away from TFM and volumes returned to pre-Q2 levels.



*TFM = Trans-Fee Mining

Q4 MAJOR EVENTS

Major Events: Q4 2018 Overview

Government

SOUTH KOREAN
REGULATORS STILL NEGATIVE ON ICOS AND CRYPTO

HONG KONG
REGULATORS ARE SET TO TIGHTEN CRYPTO LAWS

JAPAN
PUBLISHES DRAFT REPORT ON CRYPTO REGULATION

UAE PLANS ICO TO BOOST CAPITAL MARKETS

OHIO
TO OFFICIALLY ACCEPT TAXES PAID IN BTC

BRAZILIAN
BANK IS USING ETHEREUM TO ISSUE A STABLECOIN

CHILE
GOVT. IS MAKING PROGRESS ON CRYPTO REGULATION

BERMUDA
GOVT. APPROVES 1ST ICO UNDER NEW REGULATION

VENEZUELA
TO PRESENT PETRO AT OPEC AS THE DIGITAL CURRENCY FOR OIL

SWISS
FINANCE MINISTER REJECTS SPECIFIC BLOCKCHAIN LEGISLATION

CHINESE
COURT RULES BTC SHOULD BE PROTECTED AS PROPERTY

CANADIAN
HOUSE FINANCE COMMITTEE RECOMMENDS CRYPTO REGULATION

SINGAPORE
MOVES TO HELP CRYPTO STARTUP RECEIVE BANKING SERVICES

SWITZERLAND
UNVEILS LEGAL BLOCKCHAIN FRAMEWORK IN CRYPTO VALLEY ASSOCIATION PARTNERSHIP

51 News Articles

Crypto

Bitcoin 'Breakthrough' Claims Block Size Increase Possible Without Hard Fork

\$133M Stablecoin Project **Basis** is Shutting Down

Ethereum's Constantinople Hard Fork Delayed

VTC 51% attack. Over \$100k double spent.

ETH Battle for **Bitcoin Cash** Name Ends as BCH SV Backer Calls for 'Permanent Split'

10 News Articles

Lifestyle

Google CEO Sundar Pichai Says His Son is an ETH Miner

Ripple Blockchain Payments App 'MoneyTap' Goes Live in Japan

SEC charges Mayweather & DJ Khaled For illegally Promoting ICO's

WSJ: More Than 15% of Crypto Projects have Serious Red Flags

20 News Articles

Upstarts

Crypto startup layoffs running rampant.

ICE Bakkt Delays Bitcoin Futures Launch

BitMEX joins its rivals in launching its own VC arm

Bitmain Shuts down Israel Office, Sacks 23 people

\$80m ICO TenX Founder linked to Pyramid Scheme

Binance's First Crypto-Fiat Exchange in Uganda Goes Live

\$50m ICO Lands Crypto Lender SALT in Hot Water with SEC: WSJ

30 News Articles

Mainstream

Boerse Stuttgart to Launch Crypto Trading Platform.

UNICEF funds ~\$100k in 6 Blockchain Start-ups to Solve Global Challenges.

Facebook Seeks Blockchain Talent for Five New Company Roles

Accenture Launches Commercial R3 Blockchain Solution in Thailand

Opera Mobile Adds Native Support for ETH & Web3

Sony Reveals Contactless Crypto Wallet

Amazon set to offer blockchain products based on Ethereum and Hyperledger

SIX Major Swiss Stock Exchange Lists World's First Multi-Crypto ETP

Fidelity is launching a brand new institutional brokerage and custody business for crypto

Morgan Stanley Report Says Crypto Now An Institutional Asset Class

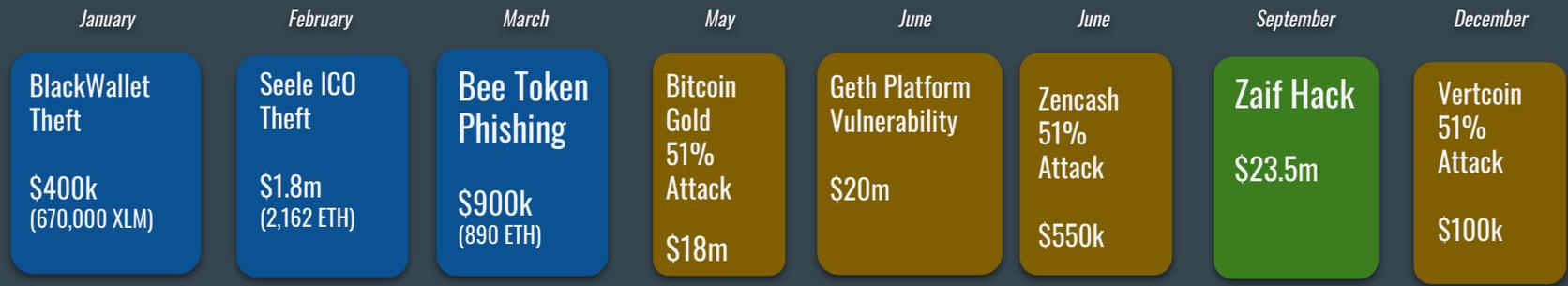
42 News Articles

*Full list of articles and events from Q1 - Q3 can be found in Appendix

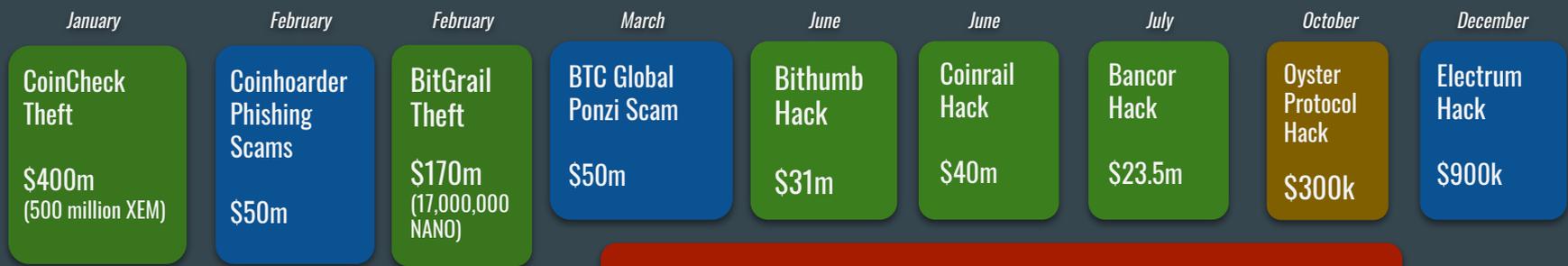
CRYPTO THEFTS

Crypto Thefts: 2018 Overview

Estimated Loss in 2018: \$867.45 million



Money lost in 2018 alone is **50%** more than all the previous years combined.
 (Cumulative Total Loss up till 2017 is \$649 Million USD).



Estimated Total Loss Since Crypto Beginning:
\$1.516 billion

■ Exchanges
 ■ Coins
 ■ Others

ICO INSIGHTS

ICO Insights:

2018 - 2017 ICO Market Stats Comparison

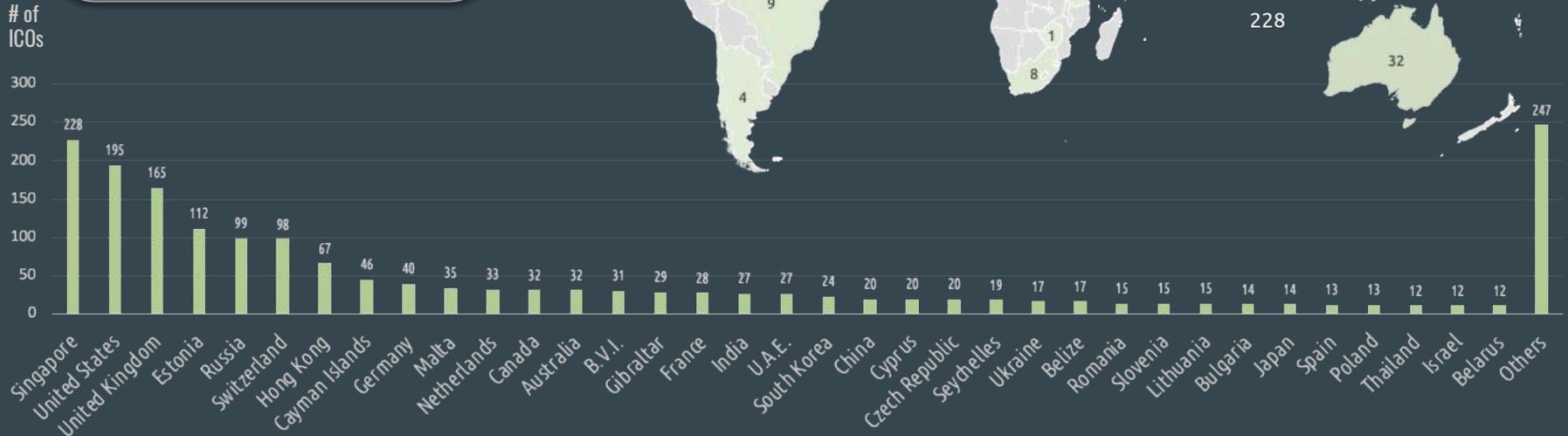
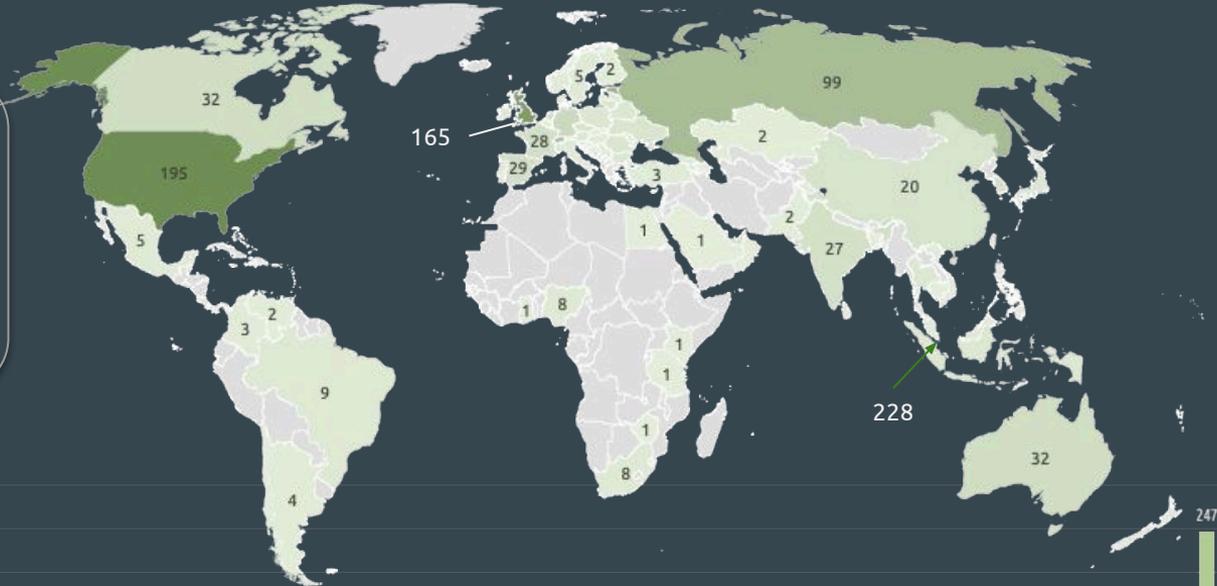
2017	ICO Landscape	2018
913	Total Projects	1941
435	Total Successful* Projects	943
\$5.6bn	Total Amount Raised	\$16.5bn
1,280%	Average Token Return <i>Starting Jan 1st and Ending Dec 31st</i>	-67.91%

** Projects successfully completing fundraising.*

ICO Insights:

2018 ICO Market Overview

Singapore has established itself as a global hub for ICO issuance. It led the world in number of ICO issuance followed by the US, UK and Estonia. Switzerland is now only the 6th most popular jurisdiction.



ICO Insights:

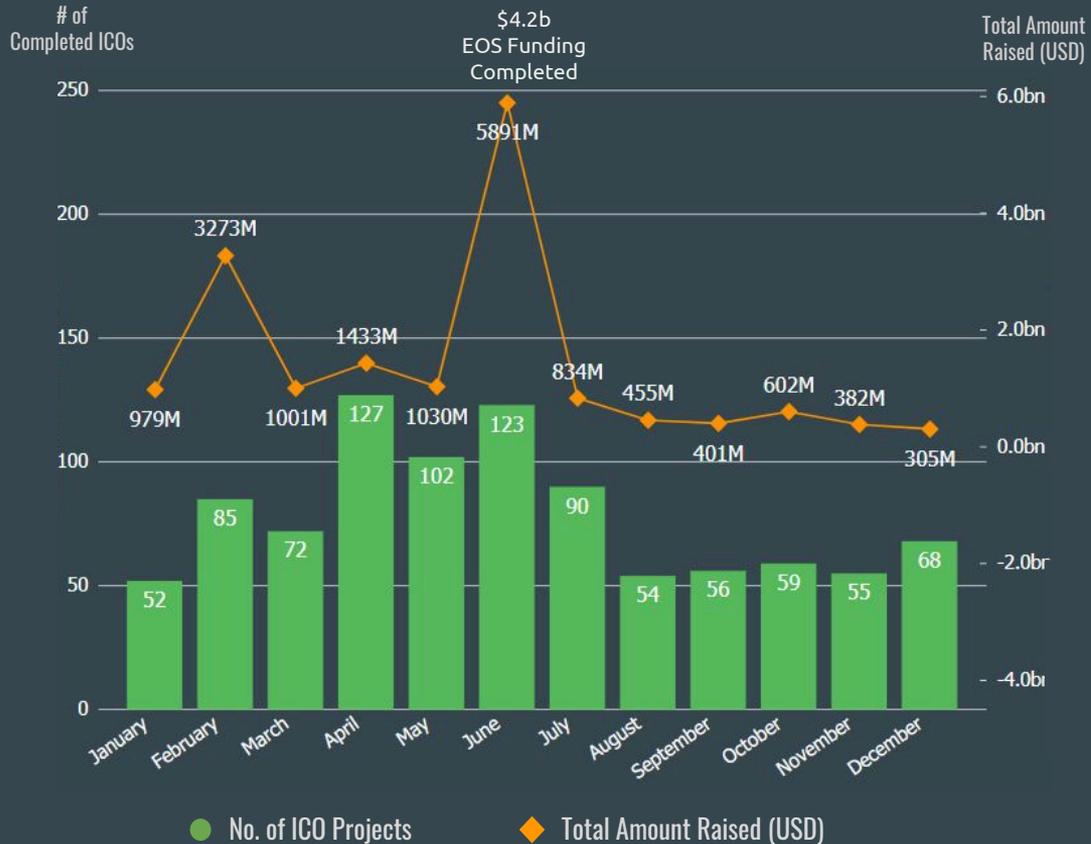
2018 ICO Market Overview

2018 saw a total of 943 projects completing their fundraising with average amount raised of USD \$17.59 million.

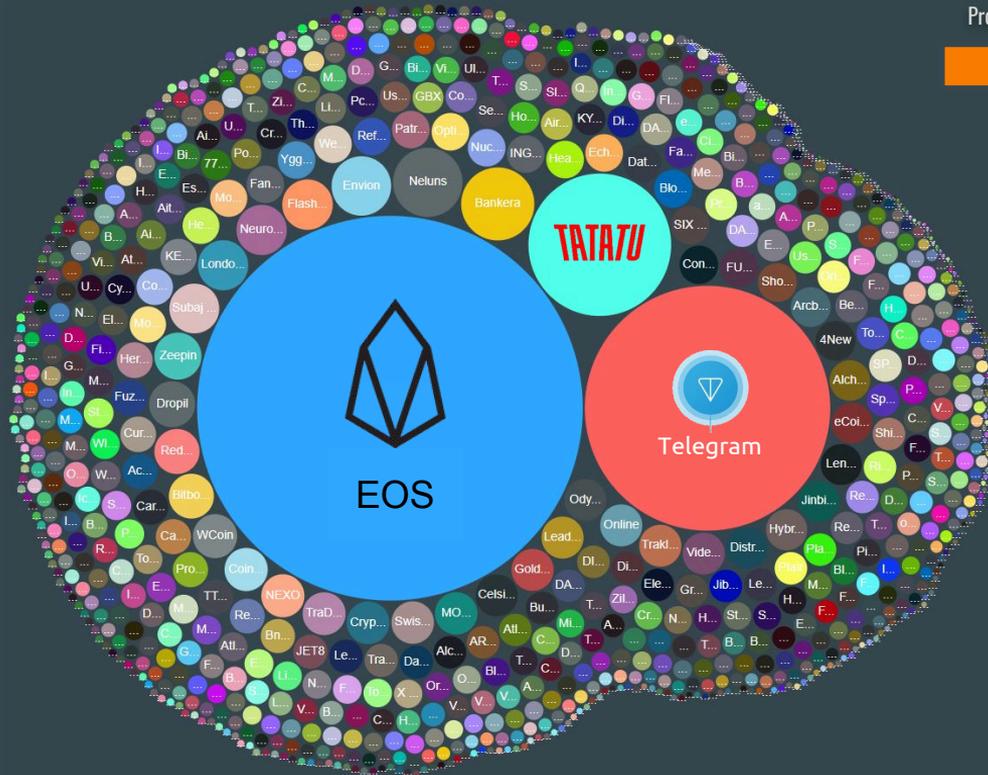
ICO funding had experienced a downward trend throughout 2018 ending at its lowest point in December.

In H1 2018, investors on average contributed USD \$2.26 billion per month in funding to ICO projects. However, in H2 2018, funding has gone down to an average of only USD \$500 million per month.

This is attributed to falling investor confidence in ICOs, losses incurred from falling crypto prices and rising concern over government regulations.



ICO Insights: 2018 ICO Project Funding



190 \$0
Projects \$1m

426 \$1m
Projects \$10m

321 \$10m
Projects \$100m

6 > \$100m
Projects



Not all projects were funded equally.

Out of the 943 ICO projects in 2018:

- 190 projects raised less than USD 1 million
- 436 projects raised between USD 1 - 10 million
- 321 projects raised between USD 10 - 100 million
- 6 projects raised more than USD 100 million

3 ICO projects stood out as outliers:

- EOS raised USD 4.2 billion in its one-year ICO
- Telegram raised USD 1.7 billion
- Tatatu raised USD 575 mil

ICO Insights: Quarterly Overview

ICO projects are finding it challenging to achieve their hardcap.

Percentage of ICO projects that completed their offering and reached their hardcap dropped from over 50% at the start of the year to just above 10% in December 2018.

ICOs are failing to meet their hard cap due to:

- Deteriorating investing sentiment
- Increasing government regulation on ICOs
- Fall in Bitcoin and Ethereum prices



STABLECOINS

Stablecoins:

What are they?

Definition:

Stablecoins are digital assets that aims to offer price stability to the cryptocurrency market by mirroring the value of traditional fiat currencies or assets. The value of stablecoins are derived through the collateralization of an underlying asset that may vary from coin to coin.

Cryptocurrency by itself is an excellent medium of exchange for goods and services partly because it has no judicial restrictions. The presence of stablecoins could further improve the adoption of cryptocurrencies by offering certain unique qualities:

Store of Value:

Most stablecoins are backed by US Dollar due to its reputation as the de facto global currency. For some it is a preferred store of value compared to more volatile alternatives like Bitcoin.

Unit of Account:

Most stablecoins are accounted in units of currency that are recognized by industry standards. A unit in USD/ EURO for example is more easily accounted for compared to a satoshi (*bitcoin*) or gas (*ethereum*)

Stablecoins: Collateralization Types

Crypto Collateralized Stablecoins



Backed by other cryptocurrencies and usually overcollateralized due to the volatile nature of cryptocurrencies.

Traditionally Collateralized Stablecoins

Backed by traditional assets such as fiat currencies and assets such as gold, crude oil or real estate

Algorithmic Stablecoins (yet to be launched)



Do not require any collateral to maintain price stability.

 *MakerDAO's Dai uses Collateralized-Debt Positions (CDP) to maintain its token value around one US Dollar although it is Ethereum collateralized.*

Fiat-backed (USD, EURO)



Fiat-backed tokens such as USD Tether is the most popular option for issuing stablecoins.

Asset-backed (Gold, Oil)



Asset-backed tokens are less popular because the underlying asset itself fluctuates in value.

Stablecoins:

Top-5 Stablecoins by Market Capitalization

	 Tether (USDT)	 TrueUSD (TUSD)	 USD Coin (USDC)	 Paxos Standard (PAX)	 Dai (DAI)
Token Issuance Date	Oct 7, 2014	Mar 5, 2018	Sep 10, 2018	Sep 10, 2018	Dec 19, 2017
Market Cap	\$2,071,214,917 (75.7% share*)	\$203,944,720 (7.4% share*)	\$248,534,076 (9.1% share*)	\$144,275,357 (5.3% share*)	\$69,190,043 (2.5% share*)
Trading Exchanges	97 Exchanges	59 Exchanges	39 Exchanges	39 Exchanges	31 Exchanges
Peg Price	1 USDT = 1 USD	1 TUSD = 1 USD	1 USDC = 1 USD	1 PAX = 1 USD	1 DAI = 1 USD
All Time High	\$1.32	\$1.07	\$1.04	\$1.04	\$1.09
All Time Low	\$0.91	\$0.98	\$0.99	\$0.98	\$0.95
Funding Received	-	\$21.7 Million	\$20 Million	\$93.3 Million	\$27 Million

The top 5 stablecoins are all pegged to the value of US Dollar.

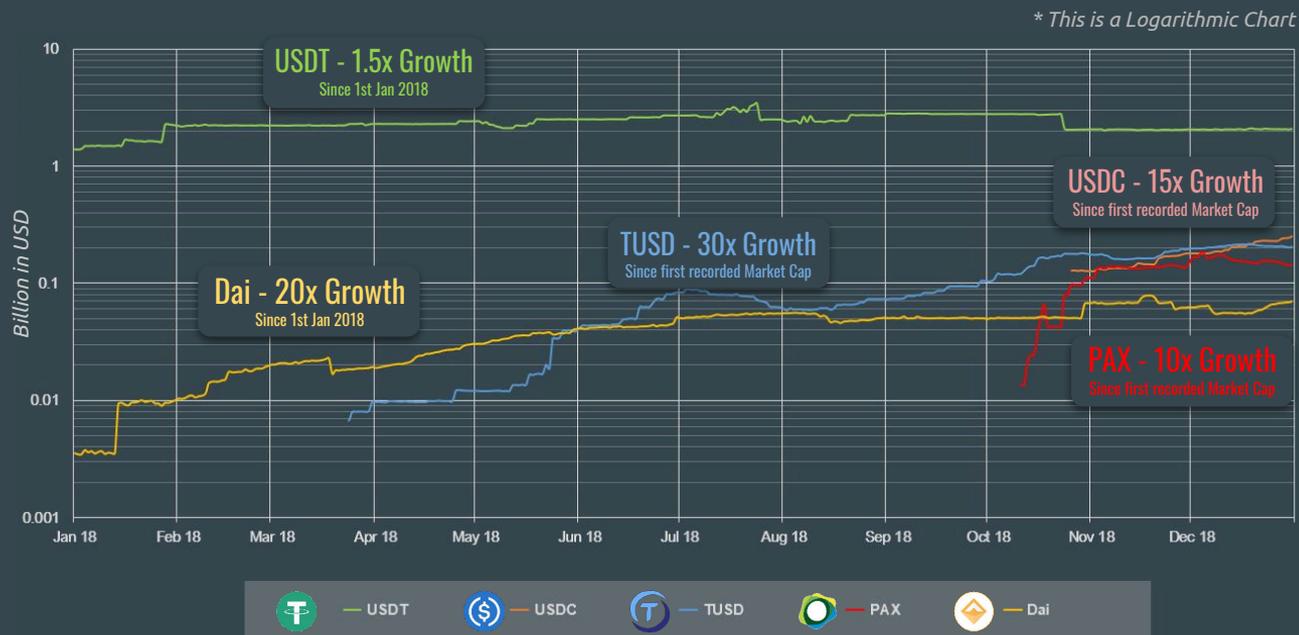
Tether remains the top stablecoin in 2018 due to the advantage of it being the first stablecoin in the market. It is traded in nearly 100 exchanges. Tether has a market cap of over \$2 billion and is almost 10 times larger than the next stablecoin.

TUSD, USDC and PAX are regulated stablecoins that launched in 2018 and has seen strong growth and has captured market share from Tether.

**Dominance between 5 stablecoins as of 31st Dec 2018*

Stablecoins:

Top-5 Stablecoins Market Capitalization Through 2018



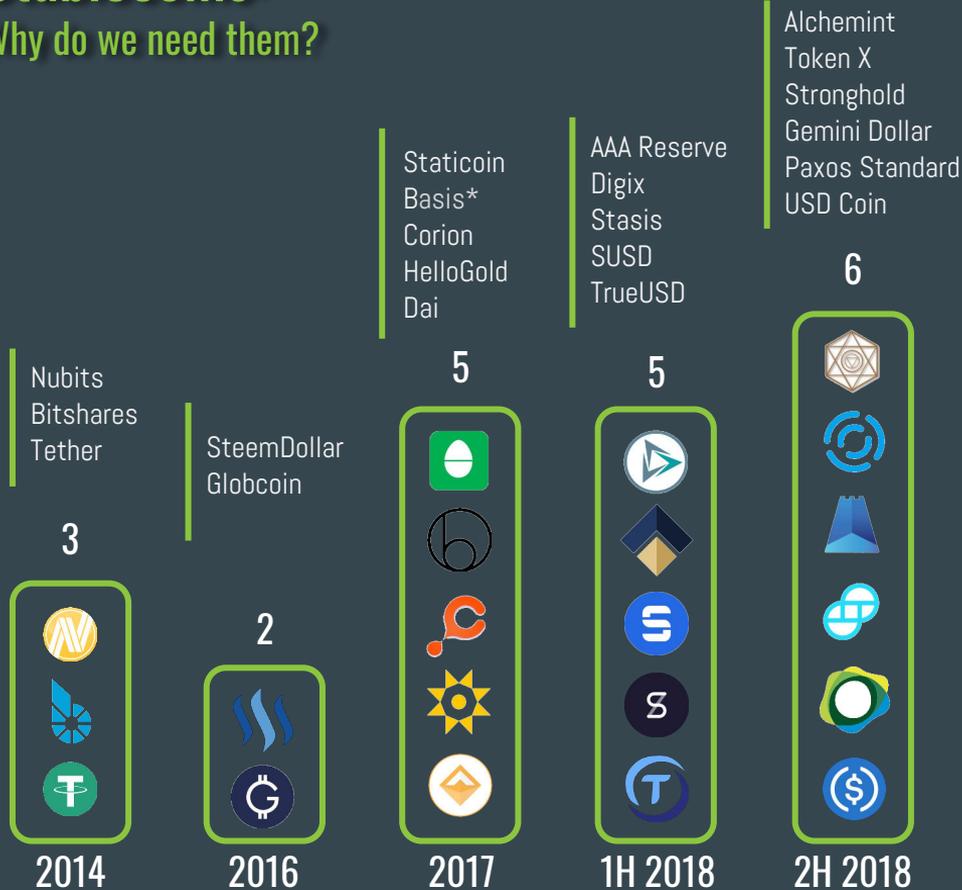
From \$1.3B market cap in 2017, USDT closes year 2018 at \$2.1B, signalling a strong demand for stablecoins in 2018.

However, with uncertainties floating around **USDT** regarding the audit of its supply, 2018 has seen rapid emergence of new stablecoins, most notably:

USDC (\$250m),
TUSD (\$200m)
PAXOS (\$145m) and
DAI (\$70m).

Stablecoins:

Why do we need them?



The first stablecoin was launched in 2014 to provide some stability for the highly volatile cryptocurrency market.

Early stage stablecoins were mostly **Fiat-Collateralized** such as Tether.

Starting from 2017, **Crypto-Collateralized** stablecoins such as Dai appeared as the decentralized alternative.

With the spike in interest in cryptocurrencies, the number of stablecoins have significantly increased in 2018. There are over 39 stablecoin projects that are still not public yet.

** Basis has shutdown operations*

Stablecoins:

Regulated Stablecoins

	 TrueUSD (TUSD)	 USD Coin (USDC)	 Paxos Standard (PAX)	 Gemini Dollar (GUSD)
Issued by	TrueCoin, LLC	Circle & Coinbase	Paxos Trust Company LLC	Gemini Trust Company, LLC
Regulated by	Financial Crimes Enforcement Network (FinCEN)	Financial Crimes Enforcement Network (FinCEN)	New York State Department of Financial Services (NYSDFS)	New York State Department of Financial Services (NYSDFS)
Banks & Trust Companies	Prime Trust LLC, Alliance Trust Company LLC	Silverage Bank, US Bancorp Asset Management (USBAM)	U.S.-domiciled FDIC-insured banks	State Street Bank
Proof of Funds	Cohen & Co	Grant Thornton LLP	WithumSmith+ Brown, PC	BPM LLP
Smart Contract Audit	Xiamen SlowMist Technology Co., Ltd.	Open-source	Nomic Labs	Trail of Bits, Inc.
KYC and BSA-AML Compliant	Yes	Yes	Yes	Yes

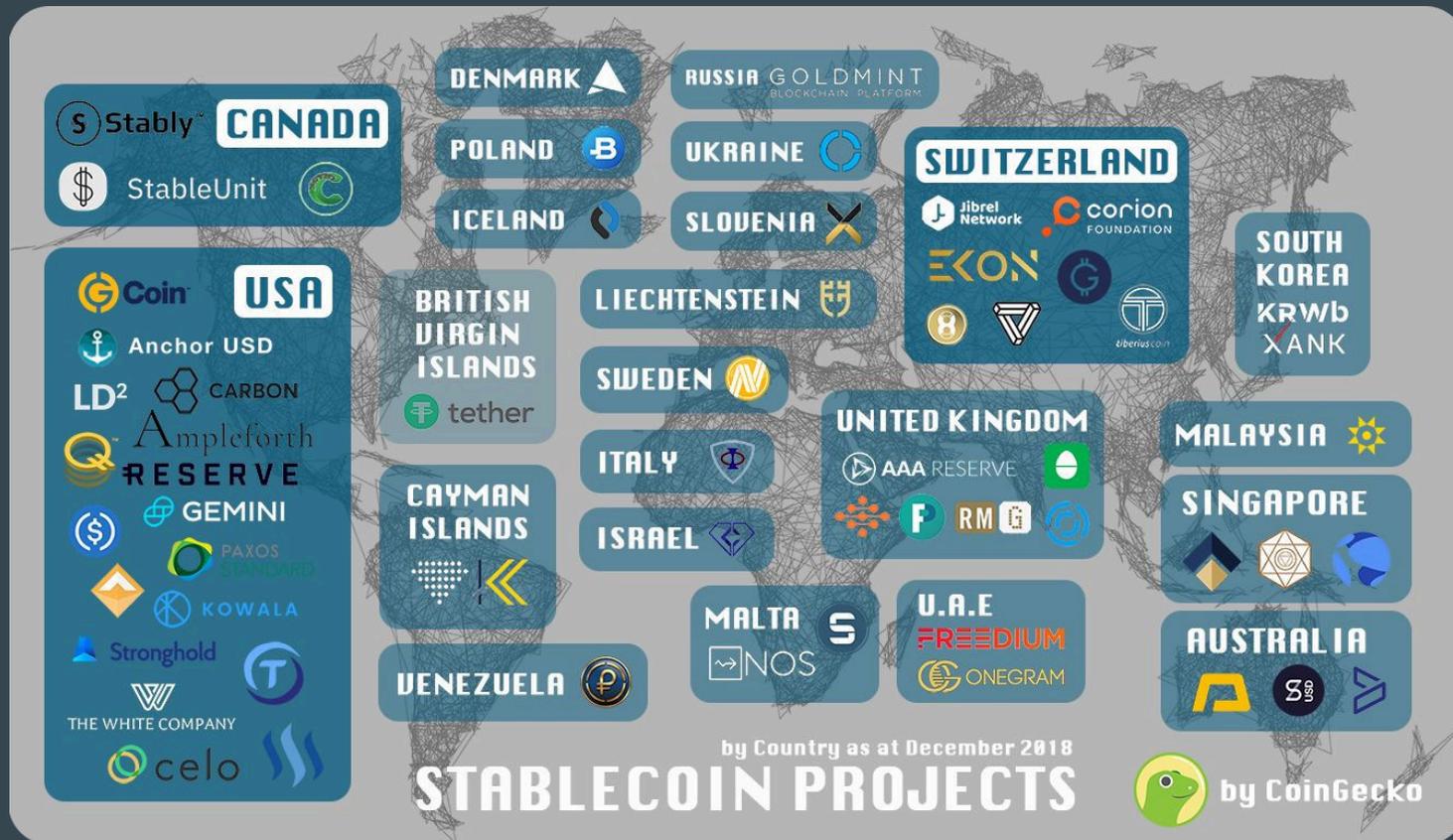
Presently, regulated stablecoins are all based on US Dollar collateralization and pegged to the USD value.

What does it mean to have a regulated USD stablecoin?

- Stablecoins are fully exchangeable for U.S. dollar at any point in time.
- There will be no place for money laundering of funds as all purchase and redemption activity will have to undergo strict KYC and AML compliance.

Countries facing hyperinflation would benefit from the stability that regulated stablecoins could provide.

Stablecoins: Geographical Presence



62
Countries

17
Projects
based in USA

** More Details of Stablecoins can be found in the Appendix*

BITCOIN CASH SPLIT

Bitcoin Cash Fork: Overview

Bitcoin Cash was designed in such a way that every 6 months, users would fork the blockchain and implement a software upgrade to include changes proposed by the open-sourced developers. This time round...



* Technical Differences shown in Appendix

Bitcoin ABC Lead Developer, Amaury Séchet proposed a change in the November fork

- New opcode called OP_CHECKDATASIG which enables validation of messages from outside the blockchain and enables oracles and cross-chain atomic contracts.*
- Canonical transaction ordering (CTOR) for massive scaling improvements in the future.*

Nchain, led by Dr. Craig S Wright was against the above proposal

- He disagreed that Bitcoin Cash should be used for non-cash transactions*
- He also deemed CTOR unnecessary and is insufficiently tested*

Nchain was supported by CoinGeek, the largest BCH Mining Pool

CoinGeek wanted BCH to be restored to original BTC design and the Blocksize raised to 128mb

This led to the launch of Bitcoin SV (Satoshi Version) with..

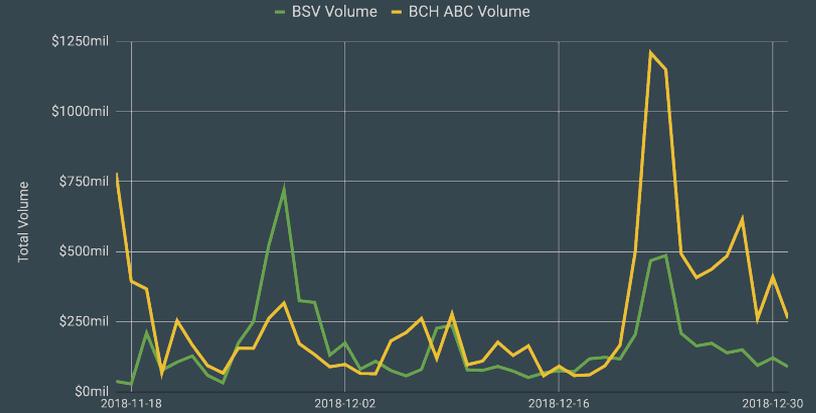
- Full node client implementation of BCH, no new OP codes and canonical transactions.*
- Increase the size of the blocks.*
- Remove size limits on scripts*
- Restore old OP Codes*

Bitcoin Cash Fork: Prices and Volume after Fork



Bitcoin Cash ABC won mindshare with almost all exchanges attributing Bitcoin Cash to the ABC implementation

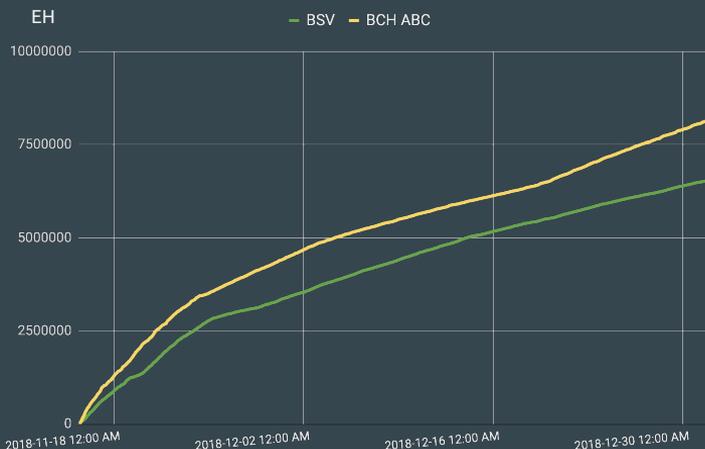
Bitcoin Cash ABC started off with a higher price but it decreased and at one point reached parity with BSV.



Bitcoin Cash ABC had higher trading volume throughout except for a short period when Bitcoin SV had larger trading volume.

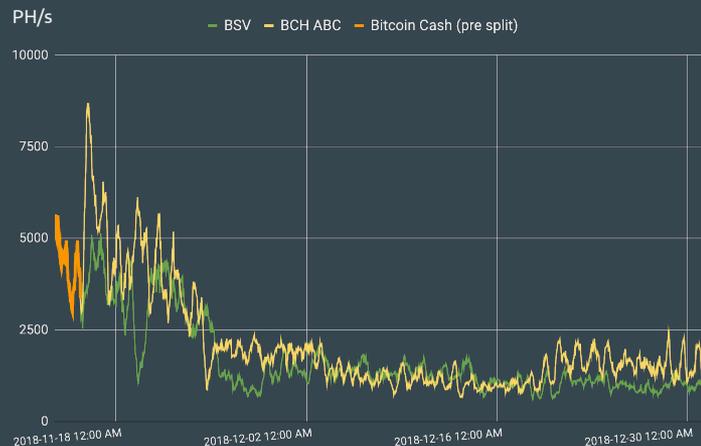
Bitcoin Cash Fork:

Total Proof of Work by Network and Hash Rate



Total Proof of Work by Network

Bitcoin Cash proved to have a consistently higher Total Proof of Work compared to its forked counterpart.



Mining Pool Hash Rate

Bitcoin Cash ABC boasts a slightly higher hashrate compared to Bitcoin SV.



DECENTRALIZED APPS

Decentralized Apps:

Annual Market Summary for ETH, EOS, TRON & STEEM Platforms



X CoinGecko



1,432 Dapps by the End of 2018 - 1,045 Ethereum, 235 EOS, 97 TRON, 46 STEEM

Category	All	DEX *	Non-DEX **
Number of Active Dapps	1,423	56	1,367
Number of Unique Dapp Users	1,426,927	524,231	966,508
Number of Transactions	279,387,641	12,487,155	266,900,486
Value of Transactions (USD)	\$ 6,735,511,319	\$ 2,615,554,162	\$ 4,119,957,157

* **DEX:** Decentralized Exchanges

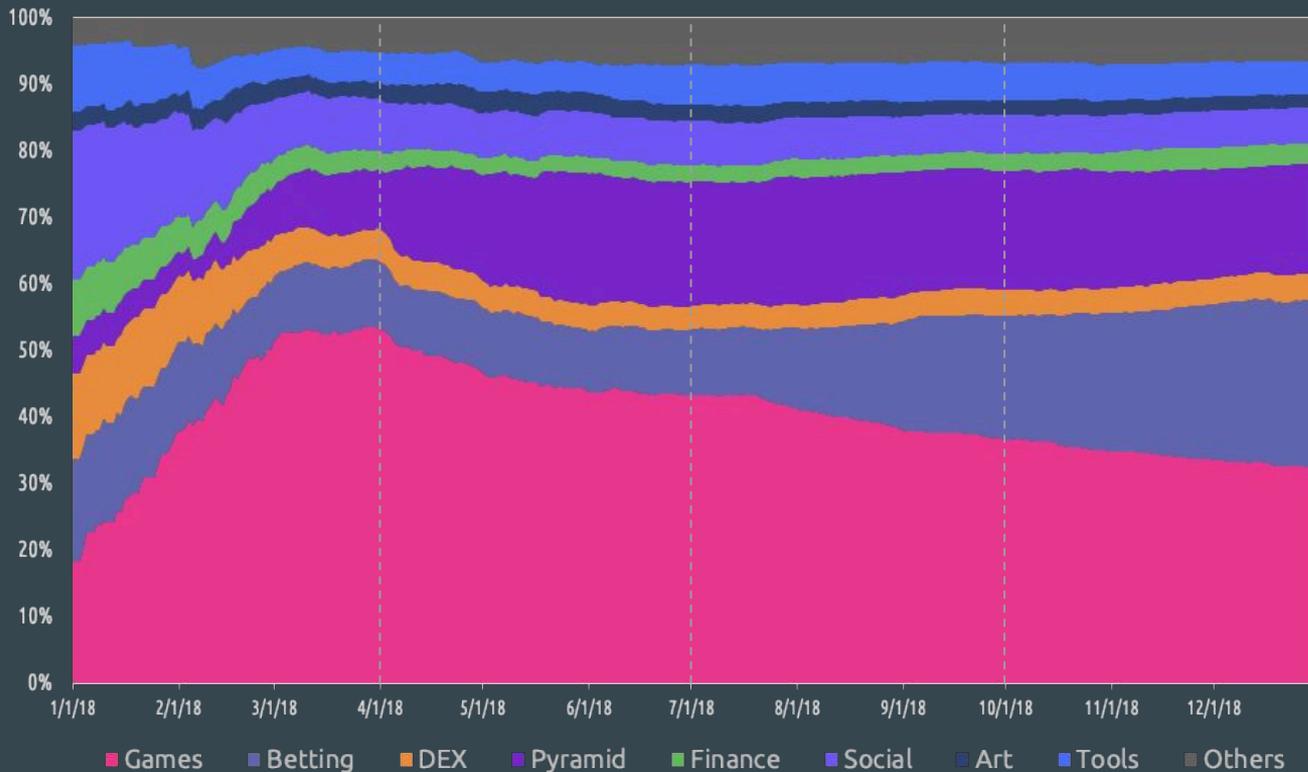
** **Non-DEX:** Others including Games, Betting, Pyramid, Social, Tools, Finance, Art and others.

Decentralized Apps: Market Dominance by Dapp Category



Games and Betting currently dominates the Dapp Market with a combined share of above 50% followed by Pyramid-Scheme like applications.

We urge users to be cautious when signing up and providing personal information to questionable sites.



Decentralized Apps: Overview



X CoinGecko



Blockchain	 ETH	 eos	 Steem	 TRON
MainNet Launched Date	July 30th, 2015	June 9th, 2018	March 24th, 2016	June 20th, 2018
Number of MainNet Wallets	51,871,047 ¹	630,547 ²	1,180,000 ³	1,133,023 ⁴
Number of Active Dapps	1,045	235	46	97
Number of Unique Dapp Users	1,037,535	171,170	519,381	71,832
Amount of Transactions	20,868,975	107,161,794	52,860,766	98,496,106
Value of Transactions (In Native Token)	4,998,320	939,209,910	7,471,405	36,394,015,675
Value of Transactions (In USD)	\$ 2,663,398,492	\$ 3,459,999,962	\$ 6,424,765	\$ 605,688,099
% of Dapp User	2.00%	27.15%	44.02%	6.34%

1. Data from [Etherscan.io](https://etherscan.io); 2. Data from [EOSPark.com](https://eospark.com); 3. Estimated by [Dapp.com](https://dapp.com) based on data from [Steemblockexplorer.com](https://steemblockexplorer.com) 4. Data from [Tronscan.org](https://tronscan.org)

Decentralized Apps: Key Dapp Events Recap 2018 - Ethereum



- 1) **January 13** - ETH price reached the highest at US\$1,448.
- 2) **March 12** - CryptoKitties raises US\$12m from Andreessen Horowitz and Union Square Ventures.
- 3) **April 13** - EtherGoo launched. Surpassed Cryptokitties in daily users & transaction amount within 2 days.
- 4) **June 24** - Enjin created ERC-1155 token standard.
- 5) **July 20** - Fomo3D reached 53,451 ETH in transaction volume in 1 day.
- 6) **August 10** - Gods Unchained, the world's first blockchain-based eSport, sold over 4,600 ETH in its presale.
- 7) **August 22** - Round one of Fomo3D end.
- 8) **September 12** - ETH price dropped to US\$173.
- 9) **October 15** - Animoca Brands (ASX: AB1) accelerates its blockchain strategy with 7 deals worth US\$2.7m.
- 10) **October 27** - iCandy Interactive (ASX: ICI) launched blockchain-based game CryptantCrab.
- 11) **November 1** - CryptoKitties creator Dapper Labs raises US\$15m led by Venrock, with participation from GV (formerly Google Ventures) and Samsung NEXT.



ETH

Decentralized Apps: Key Dapp Events Recap 2018 - EOS



X CoinGecko



- 1) **June 9** - EOS mainnet launched.
- 2) **June 27** - Monster EOS, the first EOS based blockchain game launched.
- 3) **September 9** - EOSBet got hacked, US\$200k (44k EOS) were taken by exploiting vulnerabilities in its smart contracts.
- 4) **September 15** - Top 5 betting dapps on EOS performed transactions value US\$1.5m EOS (US\$8.3m) within 24 hrs.
- 5) **October 15** - EOSbet got hacked again, 65k EOS (\$338k) were stolen.
- 6) **November 17** - Number of EOS mainnet account has reached 500k.
- 7) **November 18** - Mythical Games raises US\$16m for EOS-based blockchain game development.
- 8) **December 16** - Endless Game raised US\$7.5m from Blue Hill by IOST.



eos

Decentralized Apps: Key Dapp Events Recap 2018 - TRON



- 1) **April 13** - Tron released Project Genesis #TronPG, US\$2b funds for developer community expansion.
- 2) **June 20** - Tron mainnet live.
- 3) **July 24** - Tron acquired BitTorrent for US\$140m.
- 4) **July 30** - Tron launched its Virtual Machine (TVM).
- 5) **November 29** - TRON Announces TRON Arcade, a US\$100m blockchain gaming fund
- 6) **December 10** - Multiple blockchain games built on Ethereum moved to Tron
- 7) **December 15** - TRONbet's 24hr transaction volume of over 1.45b TRX (US\$22.6m)
- 8) **December 24** - Tron reached 1 million wallet addresses on mainnet



TRON



CRYPTO CHANGED THE RULES



- Lessons from the ICO Market
- What Are Security Tokens?
- Why Tokenize a Security? What are the benefits?
- Regulations
- STO Landscape: The Pioneers
- Next Steps in Token Securities Evolution

Security Tokens: Lessons from the ICO Market

Blockchain has been proven to be practical and tested via the ICO framework.

The time seems ripe for the introduction of a regulated asset class called:

SECURITY TOKENS

Bitcoin and early cryptocurrencies demonstrated how self-custodial solutions, open ledgers and public blockchains enable infrastructure that scales globally to billions of dollars in volume.

The token sale revolution, started in 2016, proved that there is hunger for easy investment products, and blockchain can serve it.

- **Self-custodial solutions** and adoption of **Instant settlement** and 24/7 international marketplaces
- Global appetite proven for high risk investments in early stage tech companies from a younger audience than traditional investment
- Unprecedented worldwide **democratization of investment**

\$18.6 bn
raised in 2017+2018

1224 ICOs
launched in 2017+2018

28.5m
blockchain wallets
created as at Sep 2018

Security Tokens:

What are Security Tokens?



A Digital Representation of A Security

The concept of a security began when the first bonds were issued in 1517. Tokenization on the blockchain will allow ownership records to be stored in a digital and immutable manner.



Ownership Recorded On The Blockchain

Investors can become custodians of their own assets with the ability to access and trade their assets anytime and anywhere. This will undoubtedly increase global market liquidity.



Rights & Obligations Coded into Smart Contracts

Securities are similar to traditional financial instruments, they carry the same rights and obligations as shares and debt. Coding these contractual terms into a smart contract will provide investors protection under existing regulations and jurisdictions. This can be contrasted against utility tokens or ICOs where safeguards are limited.

Tokenization is a method to convert rights to an asset into a digital token - digital representation that lives on Blockchain.



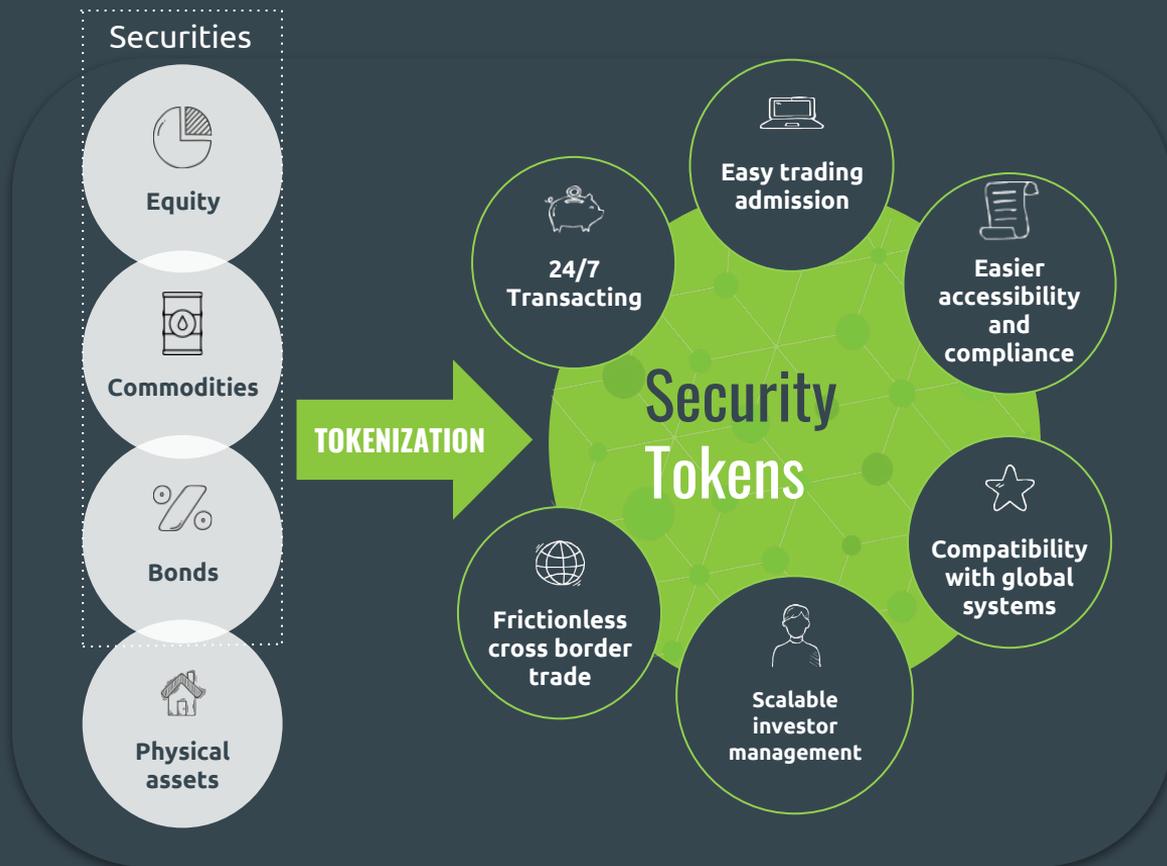
Security Tokens: Why Tokenize a Security?



Naturally, tokenization does not fundamentally change the dynamics of risk and return on investments.

However, it does create many benefits for investors via new global financial marketplaces. These are now easier than ever to build due to newfound blockchain efficiencies such as lower infrastructure cost, counter-party risk management and cross-border transactions.

This provides a similar shift for securities/financial markets as the Internet did for media and commerce in the 90's.



Security Tokens: What are Security Tokens?



Easier Accessibility and Compliance

Investors can self manage their assets with no middlemen and fees

Easy Trading Admission

Listing your security on an exchange is easier than listing on the public markets via an IPO

Compatibility with Global Systems

Working from a single ledger/blockchain, exchanges, wallets and all parties can work within the same ecosystem

Frictionless Cross Border Trade

Retail Investors around the world can participate in early stage funding making larger money pools available to companies looking to raise capital.

Scalable Investor Management

Startups can manage their cap tables more easily with a single immutable ledger of shareholders.

24/7 Transactions

Just like crypto exchanges, introducing security token exchanges would increase liquidity and allow immediate settlements.

Security Tokens: Regulation

Today out of the 20 million SMEs in Europe, only 3,000 are listed on stock-exchanges. **WE WANT TO CHANGE THIS.** We propose rules that will make it easier for SMEs to access a wide range of funding at all stages of their development and to raise capital on public markets.

Valdis Dombrovskis,
*Vice-President responsible for
Financial Stability, Financial Services
and Capital Markets Union*



Regulation: The Crucial Element

There is no overarching global regulation for securities that would cover investors in the case of a fraud.

For most cases, the onus is on investors to conduct due diligence. Most governments and countries only regulate and scrutinize large public offerings while providing minimal oversight for small/ private funding.



With the increased interest from the public in crowdfunding and ICOs, regulators and lawmakers have been working on legislation to remove barriers between early stage capital raising and retail investors.

Security tokens **will** eventually support this new form of start-up capital fund raising. This will help startups receive funding in a similar manner to ICOs, but projects will need to ensure minimum requirements are met before being offered to the public.

Security Tokens:

STO Landscape: The Pioneers in this Space

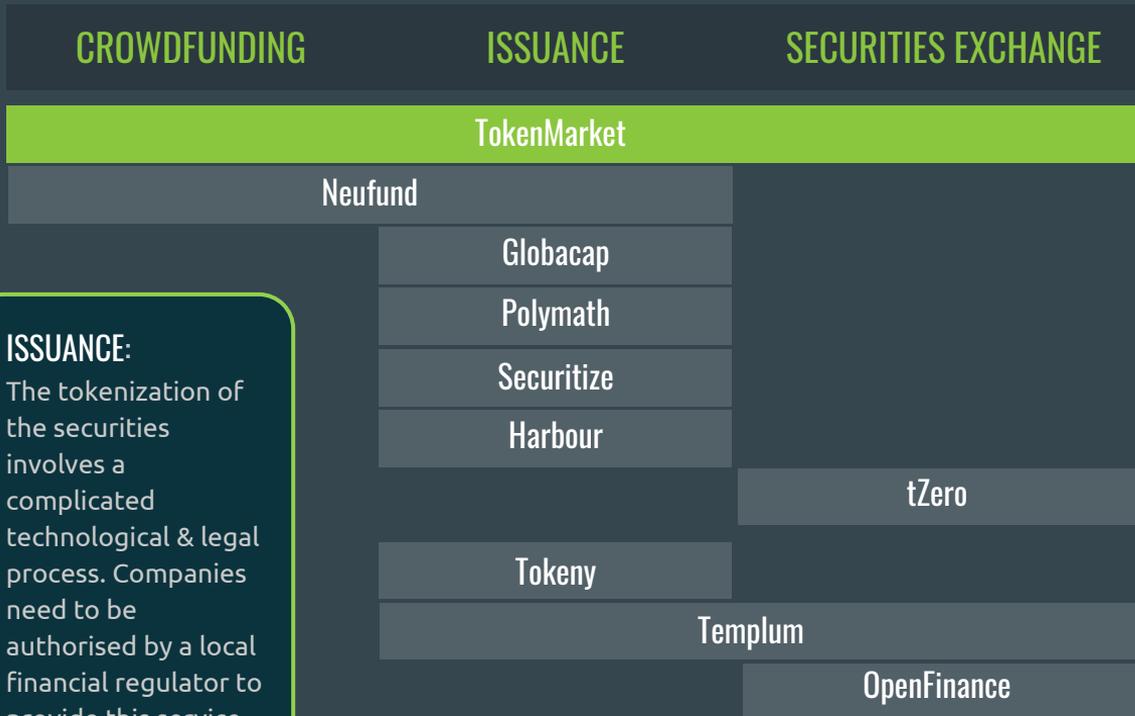
The global securities market is valued at **\$77 trillion**, if STOs get to represent even 1%, it would be larger than the current ICO market. *The diagram on the right shows the projects experimenting with different forms of tokenization.*

CROWDFUNDING:

This is a highly regulated approach and offering securities to retail investors would increase scrutiny.

SECURITIES EXCHANGE:

To offer liquidity in the market, exchanges are required. These will be guided by further regulation compared to the current utility token exchanges.



ISSUANCE:

The tokenization of the securities involves a complicated technological & legal process. Companies need to be authorised by a local financial regulator to provide this service.

Security Tokens: What's Next after STOs?

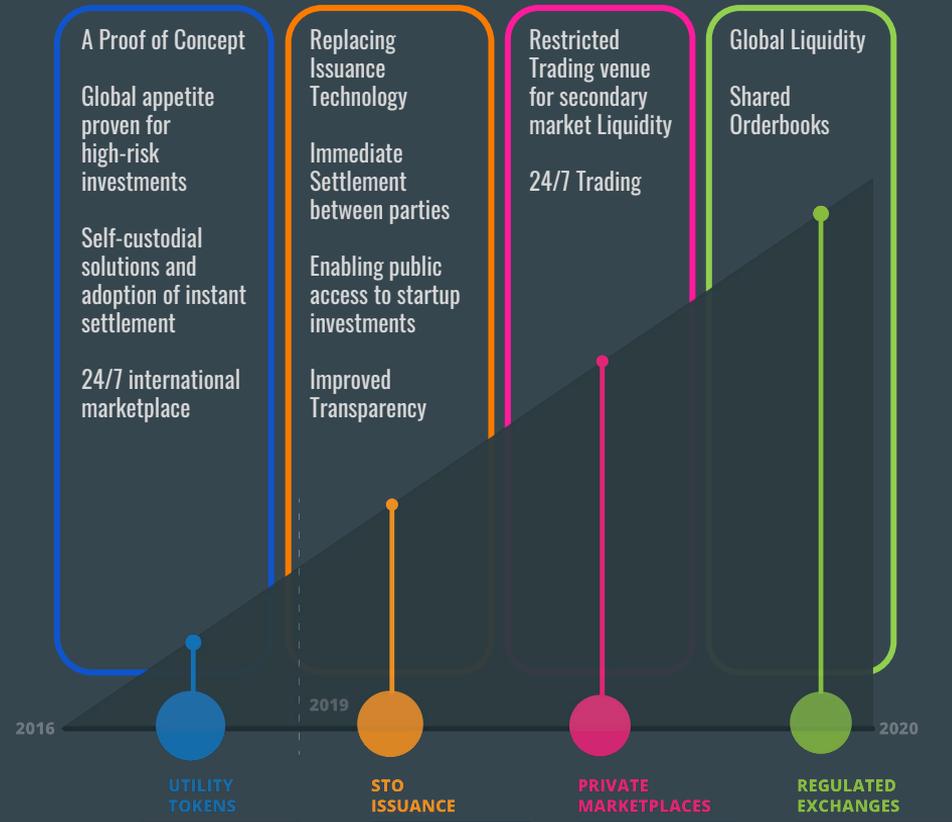
Security token markets will increase liquidity as tools evolve and companies mature to create revolutionary new public marketplaces.

Utility Tokens - The first wave of cryptocurrency crowdfunding which birthed the ICO boom. This defined a clear interest and a new global investor base.

STO Issuance - Bridging the gap between traditional equity crowdfunding and previous token sale campaigns. Regulation is needed in order to provide investor protection much like the traditional investment processes.

Private Marketplaces - Peer-to-Peer trading of securities which creates a medium for secondary market liquidity. This reduces the time between issuance and open order liquidity.

Regulated Exchanges - Trading tokenized securities, 24/7, globally.



Token Market will be launching its
STO in January 2019. For more
information, visit tokenmarket.net.



**EUROPE'S LARGEST
RETAIL SECURITY TOKEN OFFERING**

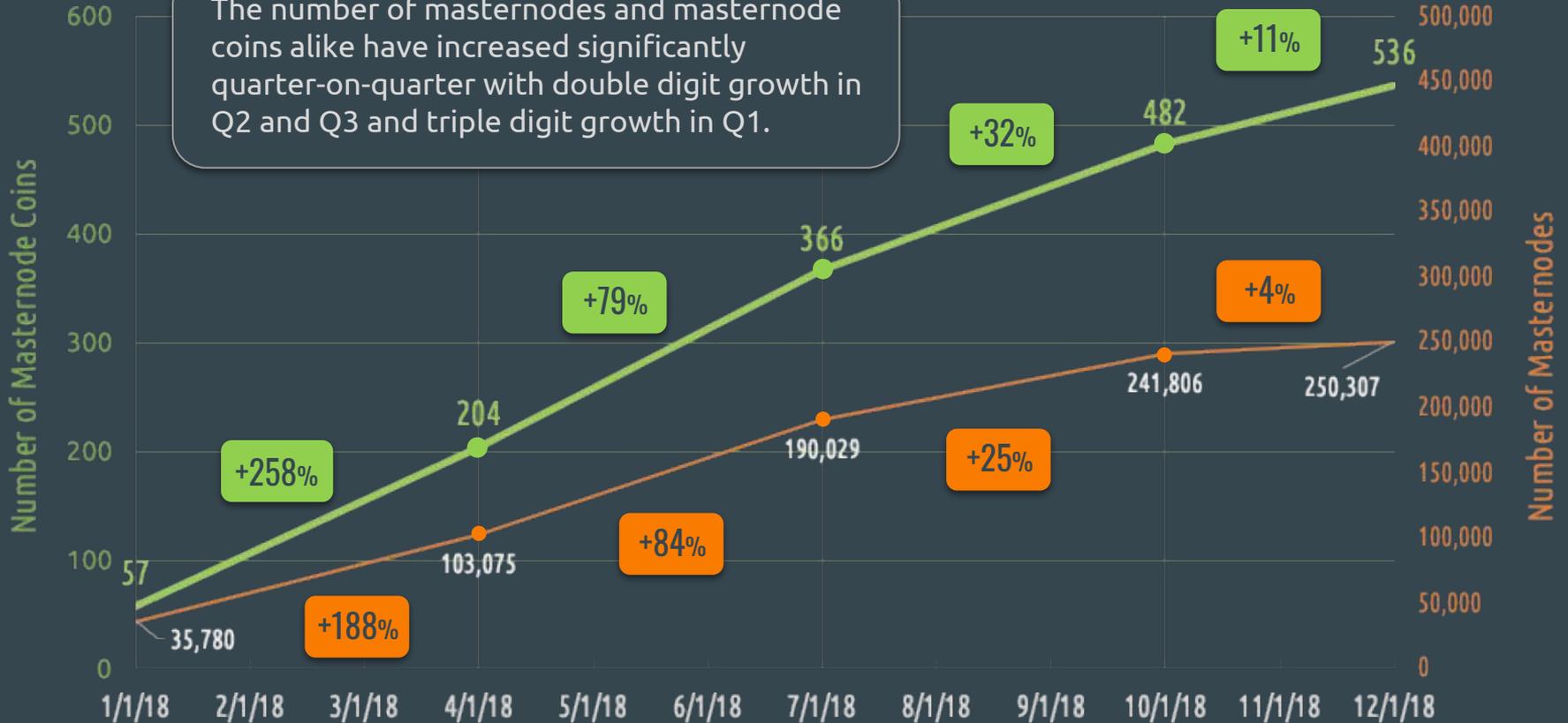
TokenMarket

MASTERNODES

Masternodes:

Overview

The number of masternodes and masternode coins alike have increased significantly quarter-on-quarter with double digit growth in Q2 and Q3 and triple digit growth in Q1.



Masternodes:

Overview

JAN 2018

MASTERNODES MKT CAP:

\$12,500,000,000

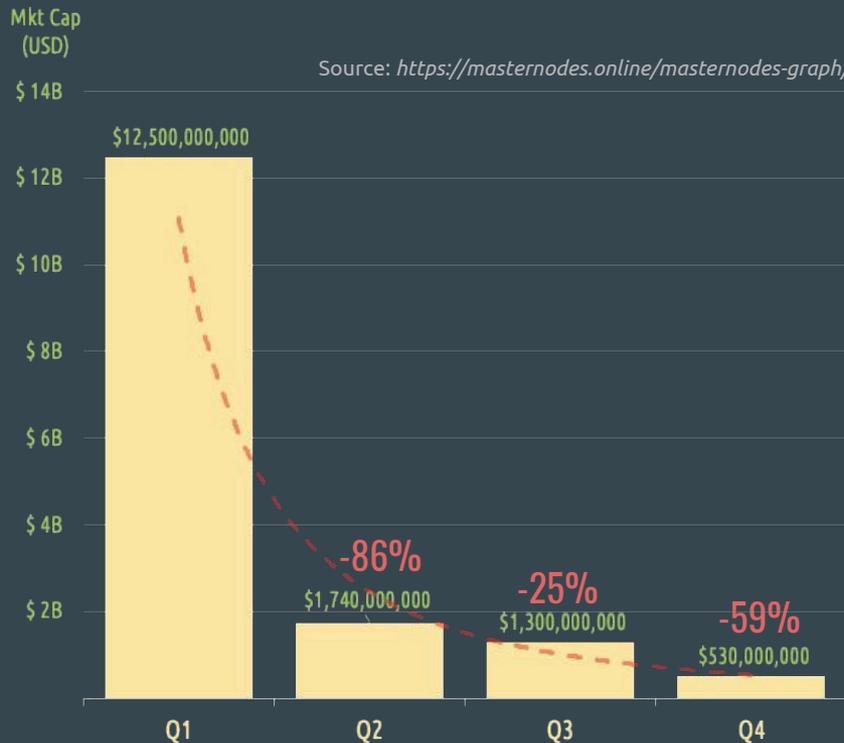
DEC 2018

MASTERNODES MKT CAP:

\$530,000,000

Although the numbers of both masternodes & masternode coins increased significantly over the year, we see a drastic drop in overall value.

The total market cap for masternodes coins dropped from over \$12 billion in January to just over \$500 million by year's end - a double digit drop quarter-on-quarter.



Masternodes:

Overview: Top-10 Masternodes in Q4

By Market Capitalization

Both Dash & PIVX remain in the top two spots held in 2017.

Interestingly, out of the Top-10 Masternodes, the **Top 4 coins have an emphasis on privacy.**

** Prices and Market Cap are in USD and recorded as at 31st Dec 2018*

Data by: masternodes.online

1  **Dash**
\$660m Cap
Price: **\$77.42**
Privacy-based digital currency

2  **PIVX**
\$48.7m Cap
Price: **\$0.83**
Privacy Coin

3  **ZCoin**
\$30.9m Cap
Price: **\$5.17**
Privacy Coin

4  **Horizen**
\$28m Cap
Price: **\$5.18**
Privacy Coin

5  **SmartCash**
\$26.7m Cap
Community Governed Blockchain
Price: **\$0.01**

6  **Syscoin**
\$24m Cap
Medium for Business Trading
Price: **\$0.14**

7  **Swarm**
\$24m Cap
Decentralised Capital Marketplace
Price: **\$0.16**

8  **EtherZero** \$22m
Smart Contract Platform
Price: **\$0.11**

9  **Wagerr** \$15m
Decentralized Sportsbook
Price: **\$0.06**

10  **Energi**
\$12m Cap
Smart Contracts Platform
Price: **\$1.13**



NON-FUNGIBLE TOKENS

Non-Fungible Tokens: Key Projects for 2018



CryptoKitties is a game where you can collect and breed digital kitties. Breeding two kitties creates a unique new kitty with potentially exclusive characteristics. Launched in September 2017, it is still the world's most popular crypto game.

Total Volume Traded in 2018
\$14,353,446



Decentraland builds a whole virtual world where users can explore through VR. Every landowner can build absolutely anything from business to gaming to arts. The only limit of this "Ready Player One" world is one's imagination.

Total Volume Traded in 2018
\$27,082,193



Gods Unchained is a trading card game where you can collect and battle some of the most powerful mythical creatures and divinities.

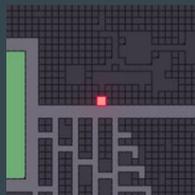
Total Volume Traded in 2018
\$5,148,811



Axie Infinity is an arena game where you can raise, train and battle little creatures called "Axies". You must combine skills, elements and powers if you want to win your fights.

Total Volume Traded in 2018
\$992,908

Non-Fungible Tokens: Largest NFT Sale in 2018



LAND 22, 2

Sold On:
23rd Mar 2018

Sold at:
\$175,578
2,000,000 MANA



Kitty #896775

Sold On:
4th Nov 2018

Sold at:
\$172,794
600 ETH



Punk #4417

Sold On:
3rd Mar 2018

Sold at:
\$11,565
13.5 ETH



Axie #1367

Sold On:
18th Oct 2018

Sold at:
\$10,182
50 ETH



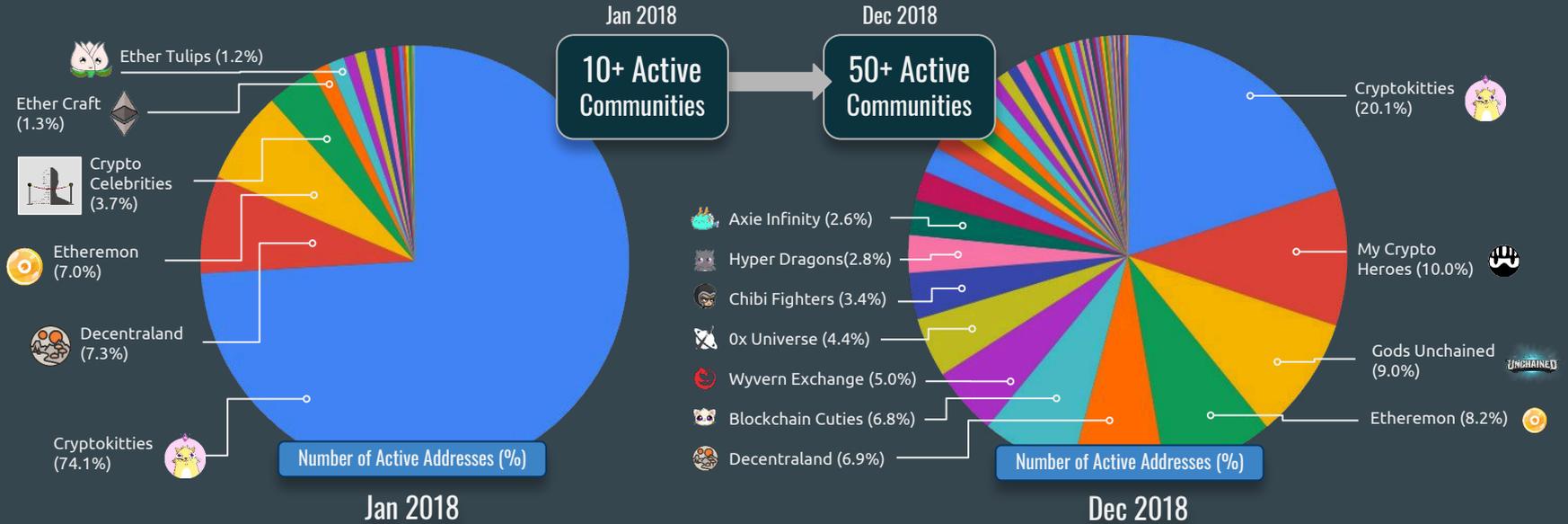
...name me...

Sold On:
4th Oct 2018

Sold at:
\$2,912
13 ETH



Non-Fungible Tokens: Growth of Active Addresses



From 10 to 50 Communities:

The beginning of the year was marked by a very strong presence of CryptoKitties in the NFT ecosystem. Gradually, volumes stabilized at almost **15,000 monthly active addresses**. By December, at least 50 applications had an active user base up from only a dozen at the beginning of the year. This is a positive indication and we expected healthy and regular growth in 2019.

Non-Fungible Tokens:

Case Study: Decentraland's 2nd LAND Auction

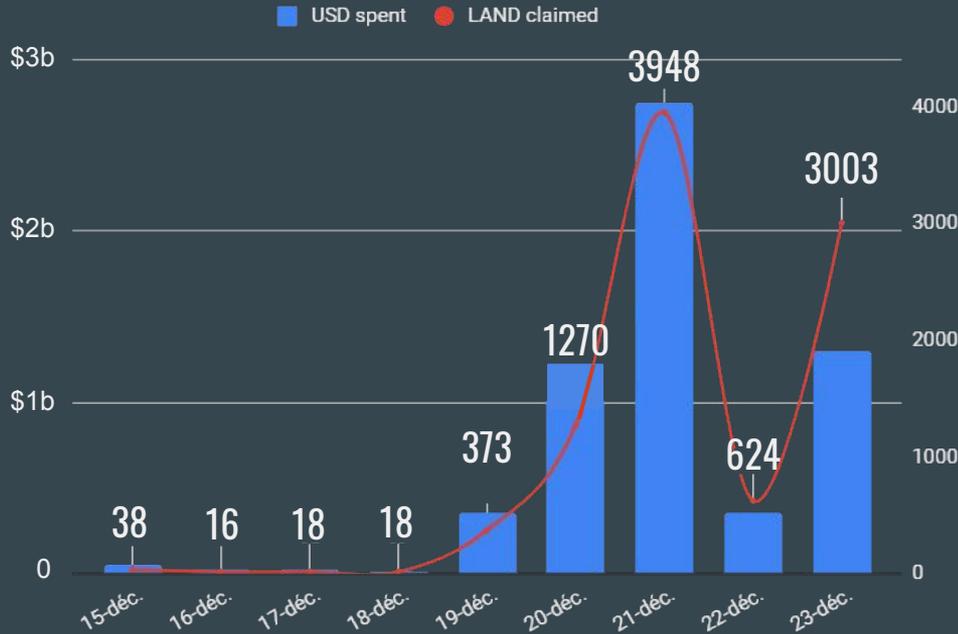


The first Decentraland auction happened in December 2017 where users could bid for virtual land parcels (unit = **LAND**).

70,399 LAND was sold for a total of **161,483,050 MANA** (eqv. to \$10 million USD).

By the end of the first auction, **9,331 LAND** parcels were still unclaimed.

The second auction for the remaining **LAND** parcels was organized in December 2018.



Key Figures for the second **LAND** auction:

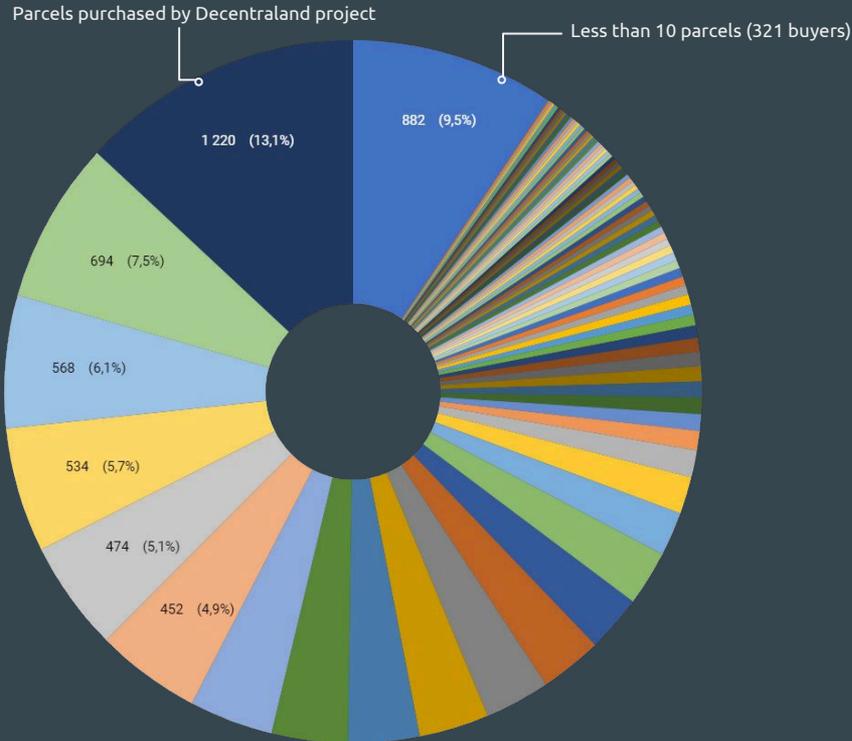
- 13 days to claim **9,331 LAND** parcels
- **109,508,567 MANA** burned (\$6.6mil)
- Average price of LAND parcel sold is **11,737 MANA** (\$528).

Non-Fungible Tokens:

Case Study: Decentraland's 2nd LAND Auction



NonFungible.com x CoinGecko



405 different addresses participated in Decentraland's 2nd LAND auction.

9 addresses claimed more than 50% of the **9,331 LAND** parcels for sale.

\$ Invested	Addresses
\$0 - 500\$	85
\$500 - \$1 000	83
\$1 000 - \$5 000	156
\$5 000 - \$10 000	30
\$10 000 - \$100 000	38
> \$100 000	13
TOTAL	405

APPENDIX

Major Event List:

Global News (January - March)

11 Jan



US State Regulators Hit Bitconnect With Second Cease-And-Desist



22 Jan

Korean Exchange Halts Deposits from Non-Citizens

26 Jan

Rakuten to Launch Own Cryptocurrency
coincheck confirms hack

30 Jan



Facebook bans Crypto ads

2 Feb

J.P.Morgan Bans Credit Purchase of Crypto

5 Feb



China to Block Access to International Crypto Exchanges

8 Feb



Binance Suspends Trading Amidst Accusations of Being Hacked



19 Feb

Lithuania Central Bank Probing 100 Million Euro ICO of Bankera



Telegram ICO Raises \$850M in Pre-Sale

20 Feb



Venezuela's Cryptocurrency Petro launches Pre-Sale



26 Feb

Thai Exchange TDAX halts ICO trading



3 Mar

U.S. SEC subpoenas ICOs and crypto asset funds



12 Mar

South Korea might lift ICO Ban



14 Mar

ICOs criticised at US Congress Hearing



Hacker Returns \$26M Worth Of Ether In **COINDASH** Theft



19 Mar

Trump Orders Sanctions Against Venezuela's Crypto



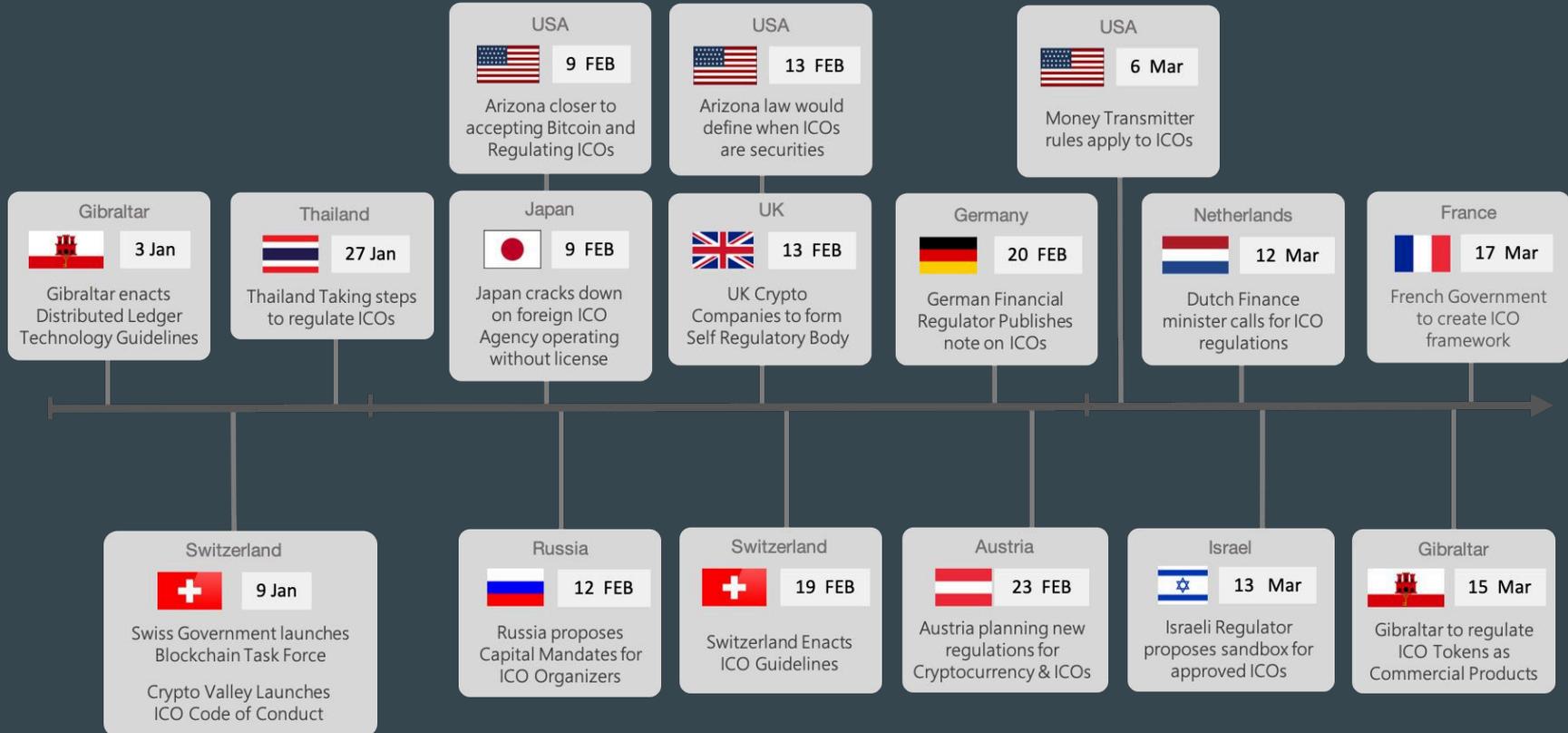
26 Mar

Thai Crypto Traders Face 22% Tax Penalty

coinbase to add support for ERC20 tokens

Major Event List:

Regulatory Headlines (January - March)



Major Event List:

Global News (April - June)

- 11/4 - 22 European Countries **Sign Partnership** to Create Digital Single Market
- 17/4 -  **KRAKEN** Close Down Japanese Operations
- 19/4 -  **ENTERPRISE ETHEREUM ALLIANCE** pledges 2018 **Blockchain Standards** Release
- 23/4 -  **aws** Introduces Ethereum and Hyperledger Blockchain Templates

- 02/5 -  **IOTA Foundation** Announces Ecosystem Platform
- 11/5 -  **HUAWEI** Releases Bitcoin Wallet In App Store, Pre-Installed on All New Phones
- 23/5 -  **BITCOIN GOLD** Hit by 51% Attack, Exchanges Lose Millions
- 23/5 -  **ethereum** blockchain size exceeds 1TB
- 28/5 - EOS Crashing Ethereum: 300,000 ETH Sold on **BITFINEX** 
- 28/5 -  **CARDANO** First Testnet Launched
- 30/5 -  **TRON** Mainnet Launch
- 30/5 - **India's Telecom Regulator** Taps Blockchain to Curb Spam
- 30/5 -  **ethereum classic** Upgrades Network Protocol to Ensure Mining Remains Viable
- 30/5 - **Thailand's Central Bank** Creating Its Own Digital Currency for Interbank Settlements

- 07/6 - **coinbase** buys Financial Services Firm to Become SEC-Regulated Broker
- 09/6 - **Bitcoin Futures** Price Manipulation Investigation Opens in US
- 11/6 -  **Coinrail** Exchange Hacked, Loses Possibly \$40 Million in Cryptos
- 11/6 -  **BINANCE** to Offer Fiat-Crypto Trading via Malta-Based Platform
- 12/6 - **EOS Mainnet** Launched But Not Live
- 15/6 - Freeh, Sporkin & Sullivan LLP has verified all  **tether** is fully USD backed
- 19/6 -  **EOS** freezes 7 accounts in violation of its own 'constitution'
- 20/6 -  **bithumb** \$31 Million Crypto Exchange Hack
- 21/6 - \$3 Billion Blockchain  **TRON** Kicks Off Token Migration
- 24/6 -  **EOS** "Constitution" Blocks 27 Accounts
- 26/6 -  **Bit-Z** and **coinbene** introduce "Trans-fee mining" Trading More Than **Binance**
- 26/6 - **facebook** Relaxes Ban, Accepts Some Crypto Ads
- 26/6 - Japanese Messaging Giant **LINE** to Open Cryptocurrency Exchange Bitbox in Singapore

Major Event List:

Regulatory Headlines (April - June)



- 03/4 - New Anti-Money Laundering Rules for **Australia's** Bitcoin Exchanges
- 04/4 - **South Korean** Regulator Tells Crypto Exchanges to Revise User Agreements
- 05/4 - **Arizona's** Governor Signs Blockchain Bill Into Law
- 05/4 - Reserve Bank of **India** Bars Banks From Doing Business With Crypto Firms
- 13/4 - **Washington County** Puts Freeze on Bitcoin Mining
- 19/4 - **South Korea** Limits Crypto Mining Chip Imports
- 20/4 - Member's of **European** Parliament's Vote In Favor Of Tighter Anti-Money Laundering Regulations For Crypto Trading
- 27/4 - **Iran** Bar Banks from Bitcoin Market
- 27/4 - **Chilean** Court Forces Chile's Banks to Reopen Crypto Exchange Accounts
- 27/4 - **France:** Crypto Is Now 'Moveable Property', Tax Down From 45% To 19%



- 16/5 - SEC Launched a Fake ICO Website to Educate Investors
- 21/5 - **South Korea** Set To Adopt G20's Unified Cryptocurrency Regulations
- 21/5 - **US, Canadian** Regulators Launch Dozens of Crypto Scam Probes
- 22/5 - **US** CFTC Issues Guidance for Firms Offering Cryptocurrency Derivatives
- 23/5 - Crypto Regulation In **Malta** Takes Hold
- 25/5 - City of **Shenzhen** to Use Blockchain In Fight Against Tax Evasion
- 29/5 - **Austrian** Regulator Freezes Crypto Mining Firm



- 05/6 - **Russian** Court Overturns Cryptocurrency Media Ban
- 08/6 - **Quebec** Halts Crypto Mining Approvals
- 09/6 - **Colombian** Banks Close All Accounts of S. American Crypto Exchange Buda
- 09/6 - **Thailand** Unveils Details of Crypto Regulations, Legalizing 7 Cryptocurrencies
- 11/6 - **Lithuania** Issues Guidelines for ICO Tokens
- 12/6 - **South Korean** Banks Can Use Blockchain to Verify Customer IDs
- 12/6 - **US** Bank Wells Fargo Bans Crypto Purchases With Its Credit Cards
- 21/6 - **US** SEC Obtains Emergency Court Order to Freeze Assets of Fraudulent ICO

Major Event List: Global News (July - August)

● Government ● Mainstream ● Upstarts ● Lifestyle ● Crypto

July 1 - July 9

- **I N** India bans Cryptocurrencies
- **U S** Coinbase custody solution is live
- **U S** CBOE applies for Bitcoin ETF license
- **U S** Syscoin hack disrupts Binance trading
- **U S** New twist in Satoshi Nakamoto identity mystery
- **I N** Indian Senior official demands probe into "mega Bitcoin scam"
- **A U** IBM signs \$750 million blockchain deal with Australian government
- **D E** German Bank offering special accounts to crypto firms
- **H K** Hong Kong passes regulations to become international blockchain hub
- **K R** South Korea legitimizing blockchain industry with new standards

July 10 - July 16

- **U S** Coinbase announces possibility of listing five new assets
- **I N** India may treat cryptocurrencies as commodities
- **U S** Litecoin acquires large position in a bank
- **U S** Robinhood adds two new assets to trading platform
- **C H** Swiss stock exchange to offer cryptocurrency services in early 2019
- **U S** American Express files patent for blockchain proof of payment system
- **C H** Chile court orders bank to resume business with crypto exchange
- **U S** World's largest asset management company begins exploring Bitcoin
- **U K** London school of economics to offer new crypto course
- **U S** Sirin labs to release blockchain based smartphone in November

July 17 - July 23

- **U S** Samsung to accept cryptocurrency payments
- **U S** BMW to accept payment in Bitcoin
- **U S** US congressional crypto hearing highlights
- **U S** Coinbase clarifies statement of SEC approving selling of securities
- **U S** Mastercard wins patent for speeding up crypto payments
- **U S** IBM helping to launch FDIC insured stablecoin
- **I N** RBI urges Indian supreme court to regulate crypto
- **C A** CFA exam adds crypto
- **U S** Goldman Sachs CEO believes firm will evolve to deal with crypto
- **U S** ✓ Binance partnership to create first decentralized stock exchange

July 24 - July 30

- **U S** SEC delays ETF decisions until September
- **U S** Institutional investors can now swap Bitcoin futures for physical BTC
- **U S** Google finally enters the blockchain space
- **U S** Nasdaq holds closed-door meetings to discuss crypto legitimization
- **U S** Google bans crypto mining apps from play store
- **I R** Iran planning national cryptocurrency
- **G B** Bank of England says payments system can serve blockchain users
- **U S** Coinbase forms political action committee
- **U S** Millions sent to ponzi-like Ethereum smart contract game
- **K R** Binance eyeing South Korean market

July 31 - August 8

- **U S** ICE, Microsoft, Starbucks partner on Bitcoin exchange startup Bakkt
- **U S** Northern Trust opens doors to cryptocurrency hedge funds
- **U S** Coinbase plugin allows millions of webstores to accept crypto
- **U S** ✓ Coinbase considers adding 37 new digital assets
- **U S** Goldman is said to be considering crypto custody offering
- **U K** Barclays sets up digital asset team to explore crypto trading
- **U S** SEC postpones decision regarding Bitcoin ETF
- **U S** Germany's second largest exchange to offer crypto services
- **U S** High Times becomes first IPO to accept cryptocurrencies
- **U S** Bitmain to open new data center in Texas continuing American expansion

Aug 9 - Aug 13

- **U S** The World Bank is preparing for the world's first blockchain bond
- **U S** Bank of China to increase investments in blockchain research
- **I N** India Govt to consider allowing crypto tokens, but not cryptocurrencies
- **U S** China's IT ministry considers strategy to advance blockchain development
- **C L** 5,000 merchants can now accept crypto payments in Chile
- **U S** 'Rich Dad, Poor Dad' author calls USD a scam, bullish on Bitcoin
- **U S** DEA: Criminal activity in crypto has dropped 80 percent since 2013
- **U S** Massive cryptojacking campaign targets MikroTik routers
- **U S** Intuit awarded patent for SMS Bitcoin payment processing
- **U S** IBM, Maersk launch blockchain shipping supply chain platform

Major Event List: Global News (August - September)

● Government ● Mainstream ● Upstarts ● Lifestyle ● Crypto

Aug 14 - Aug 20

- **U S** Bitcoin exchange traded note now available to US investors
- 📈 CBOE President hopeful on company's ETF prospects
- ☐ Petro will be an official alternate currency in Venezuela
- **I R** Iran discourages BTC, proceeds with national digital currency plan
- ☐ Barclays and Coinbase strike banking deal
- ☐ Softbank denies Bitmain investment, other Bitmain deals questioned
- ☐ Vitalik Buterin outlines path to 99% fault tolerant consensus
- **K R** South Korea's largest cities aspire to become world crypto capitals
- 📧 Capital One eyes user authentication via blockchain technology
- 🇯🇵 JD.com launches blockchain-as-a-services platform

Aug 21 - Aug 27

- ☐ SEC rejects 9 Bitcoin ETF applications
- ✓ SEC to review rejection of Bitcoin ETF applications
- **C N** China bans crypto related accounts on WeChat
- 📉 Nvidia quits crypto due to low profits
- 📈 South Korea considers promoting crypto industry & regulate ICOs
- **I L** Israel discusses state-backed crypto as crypto gains popularity
- **U S** US Customs & Border Protection to test blockchain to track shipment
- 📦 Tether mints 100 million new USDT Tokens
- 🌱 Zuckerberg's sister to serve on Huobi Chain Advisory Committee
- 🍏 Apple Co-Founder Steve Wozniak joins crypto startup

Aug 28 - Sept 3

- 📈 Yahoo Finance Integrates Bitcoin, Ethereum and Litecoin Trading
- 📧 European Union to Discuss New Rules for Cryptocurrency Sector
- 📈 Eminem Raps About Bitcoin As Popular Culture Embraces Cryptocurrency
- 📉 PwC: Regulatory Uncertainty and Lack of User Trust Inhibit Blockchain Adoption
- 📈 Firefox to Block Cryptojacking Malware in New Browser Releases
- 📦 JP Morgan CIO: Blockchain Will Replace Existing Technology
- 📈 ETH Devs Agrees to Delay Difficulty Bomb, Reduce Block Reward by 33%
- 📈 Bitcoin's Next Big Software Upgrade to Feature New Language for Crypto Keys
- ✓ Taiwanese Hospital Launches Blockchain Platform for Medical Record Keeping
- 📈 Japanese Social Media Giant LINE Launches Cryptocurrency, DPoS Blockchain

Sept 4 - Sept 10

- 📈 Citigroup Working on Bitcoin Security Product
- 📈 Jack Dorsey: Twitter Is Considering the 'Untapped Potential' of Blockchain
- 📧 'Fake News': CFO Says Goldman Sachs is Not Ditching Bitcoin Trading Desk
- ✓ US Regulators Temporarily Suspend Bitcoin and Ether Investment Vehicles
- 📈 A Billion People Will Be Using Cryptocurrency in 5 Years: Brian Armstrong
- 📦 Trump's New SEC Hire Boosts Possibility of Bitcoin ETF
- 📈 Google Adds ETH Blockchain Dataset to Its Big Data Analytics Platform
- ☐ Alibaba, IBM Ranked Top Globally for Number of Blockchain Patent Filed
- 📈 Ethereum Creator Believes Days of 1000x Crypto Growth is Gone
- 📈 Crypto is a 'Poor Form of Money' for Terrorists, Congress Hearing Concludes

Sept 11 - Sept 17

- ☐ Australian PM Pushes Blockchain 'Agenda' to Take On Big Banks
- 📈 Over 23 Million People can Buy Bitcoin in 2019 via Overstock Website
- 📧 Bitcoin Mutual Fund Launches in Canada
- 📦 Morgan Stanley is Building a Bitcoin Swap Trading Product: Report
- 📈 France Finalizes New ICO Framework to Attract Innovators Globally
- 📉 ICO Funding Retreats To \$300 Million: Is The Bloom Off The Rose?
- 📦 Korean Mobile Carrier LGU+ Launches Blockchain-Based Payment System
- ☐ Bank of America/Merrill Lynch: Preparing Bitcoin Trading Product
- 📈 Crypto's 80% Plunge Is Now Worse Than the Dot-Com Crash
- ☐ This Dormant \$720 Million Bitcoin Wallet Has Woken Up – Who Owns It?

Sept 18 - Sept 24

- 📧 Bitcoin ETFs Delayed Again as SEC Seeks Comment on Fund Plan
- 📈 From Adoption to FOMO: Reasons Behind Ripple's Leap
- 📈 Alibaba's Ant Financial To Launch Blockchain BaaS Service Platform
- 📈 The Latest Bitcoin Bug Was So Bad, Developers Kept Its Details a Secret
- 📈 California Bans Bitcoin Donations in Political Campaigns

25 Sept to 30 Sept

- 📈 Largest Brazilian Brokerage to Launch Exchange for BTC and ETH
- ☐ UNICEF France Accepts Crypto Donations for Humanitarian Activities
- 📧 Crypto regulation requires a 'do no harm' approach, US regulator says
- 📈 Why the EU Is Furious With Malta

Major Event List:

Global News (October - November)

● Government

● Mainstream

● Upstarts

● Lifestyle

● Crypto

CoinGecko



October 1 - October 7

- 🔥 Circle to Buy SeedInvest to Help Startups Raise Cash with Crypto
- 🇧🇷 Brazil Gives Investment Funds Green Light to Buy Bitcoin
- 🇺🇸 TD Ameritrade invests in cryptocurrency exchange ErisX
- ✓ Crypto Assets on Winklevoss Gemini Exchange Are Now Insured
- 🇸🇬 Singaporean Containership operator PIL partners with IBM
- 🇺🇸 Will Yale's Investment in Crypto Lead to More Institutional Investors?
- 🇯🇵 Ripple Blockchain Payments App 'MoneyTap' Goes Live in Japan
- 🇮🇱 Israel's Securities Regulator Upgrades Cybersecurity with Blockchain
- 🇨🇦 Cryptocurrency is 'Here to Stay': CFTC Chairman Giancarlo
- ✓ Bitcoin 'Breakthrough' - Block Size Increase Possible Without Fork
- 🇺🇸 US SEC Sets Nov 5 Deadline for Reviewing Nine BTC ETF Applications

October 8 - October 14

- 🇧🇮 Binance Donating to Charity Should be Praised, Not Criticized
- 🔥 Blockchain Tech Coming to Commodity Markets,
- 🇧🇩 World Bank President: Distributed Ledger Tech has Huge Potential
- 🇪🇹 Ethereum's Constantinople Upgrade Stalls on Test Network
- 🇵🇰 PwC Partners With Lending Platform for Stablecoin Launch
- 🇺🇸 Nouriel Roubini Versus Blockchain: Notes from the Senate Floor
- 🇰🇷 S.Korean Financial Regulator still Negative on ICOs and Crypto
- 🇦🇪 UAE plans initial coin offerings to boost capital markets: regulator
- ✓ Singapore Moves to Help Crypto Startups Receive Banking Services
- 🇺🇸 Former Trump Advisor Gary Cohn Joins Blockchain Startup
- 🇺🇸 Breaking: Harvard, Stanford, & MIT Have All Invested in Crypto Funds
- 🇺🇸 Coinbase Has Just Added ZRX, Its First ERC-20 Token

October 15 - October 21

- 🇺🇸 Fidelity launching institutional crypto brokerage and custody
- 🇺🇸 Every Portfolio Should Have 6% Bitcoin: Yale Study
- 🇺🇸 Trading Firm Genesis Loaned \$553m in Crypto Since March
- 🇧🇲 Bermuda Govt. Approves First ICO Under New Regulatory Regime
- 🇺🇸 Goldman Betting on BitGo With Billionaire Mike Novogratz
- 🇹🇭 Accenture Launches Commercial R3 Blockchain Solution in Thailand
- 🇯🇵 Sony Develops Rights Management System utilizing Blockchain
- 🇪🇹 Ethereum's Constantinople Hard Fork Is Being Delayed Until 2019
- ✓ What China's Cashless Revolution Can Teach the West about Crypto
- 🇯🇵 Japanese Government to Simplify Cryptocurrency Taxation Process
- 🇺🇸 Gates Foundation Partners Ripple and Coil
- 🇺🇸 Debunked: How Nouriel Roubini Failed to Attack Crypto

October 22 - October 28

- 🇨🇳 Chinese Court Rules Bitcoin Should Be Protected as Property
- 🇸🇰 Bakkt Will Begin Trading Bitcoin Daily Futures Contracts 12th Dec
- 🇺🇸 We shouldn't 'Scurry to Keep Pace' with Fintech: CFTC Commissioner
- 🇯🇵 Sony Reveals Contactless Crypto Wallet, Crypto Ecosystem?
- ✓ Forbes Launches "Forbes CryptoMarkets"
- 🇺🇸 Crypto Exchange Coinbase to List Stable Coin Backed by Circle
- 🇺🇸 Binance's First Crypto-Fiat Exchange in Uganda Goes Live
- 🇺🇸 New Ethereum-Based Token to Be Backed by Bitcoin
- 🇧🇵 BP, Shell Employ Blockchain Energy Trading Platform
- 🇺🇸 Goldman Is Actively Exploring The Creation Of An Ethereum Product
- 🇺🇸 Bitcoin is 10 years old: Here's what to expect in crypto's 2nd decade

October 29 - November 4

- 🇺🇸 S&P 500's Wild Ride Makes U.S. Stocks More Volatile Than Bitcoin
- ✓ Morgan Stanley Report Says Crypto Now An Institutional Asset Class
- 🇺🇸 Bitcoin's Halloween Birth 10 Years Ago Led to Unimaginable Gains
- 🇺🇸 Leading VC Investor: Dismissing Crypto is Like Dismissing Internet in 1993
- 🇺🇸 NZ Gov't-Backed Institute Issues Grant to Crypto Wallet,,
- 🇰🇷 S.Korean Court Rules Bank's Action to end crypto service Illegal
- 🇺🇸 Coinbase Pro Lists Ethereum Token BAT
- 🇺🇸 'Godfather of ETFs': Regulators Won't Approve Bitcoin ETF Anytime Soon
- 🇺🇸 Google CEO Sundar Pichai Says His Son is an Ethereum Miner
- 🇺🇸 Popular ETH DApp Browser MetaMask to Launch Mobile App Version
- 🔥 ETH 2.0 Launch 'Really Not So Far Away,' Says Vitalik in Devcon 4 Keynote
- 🇺🇸 ERC-20 Co-Author Proposes New ICO Model to Protect Investors

November 5 - November 11

- 🇧🇷 Venezuela to Present Petro at OPEC as the 'Digital Currency for Oil'
- 🇺🇸 Expect the SEC to Target More Token Exchanges After EtherDelta
- 🇺🇸 As Plasma Stalls, Snarks Become New Hope for Scaling Ethereum Now
- 🔥 BitMEX joins its rivals in launching its own VC arm
- 🇺🇸 It's Not Money! 'Bank for Central Banks' Slams Bitcoin
- 🇺🇸 Wall Street's Crypto March Slowed by Appetite of Large Investors
- ✓ Thailand to Legitimize First ICO 'Portal' via New Regulation
- 🇺🇸 Binance Launches Research Wing to Create 'Institutional-Grade' Reports
- 🇰🇷 S.Korean Lawyers' Association Lobbies Govt. for Legal Crypto Framework
- 🇺🇸 ETH Zero-Proof Prototypes: Has Ernst & Young Done What Eth couldn't?
- 🇺🇸 Marshall Islands President: No Confidence Vote for National Crypto Plans
- 🇺🇸 Blockchain.com Wallet Announces \$125 Mln XLM Airdrop
- 🇺🇸 Bitcoin Early Adopter Gave Away BTC Worth \$100M: The Endless Dilemma

Major Event List:

Global News (November - December)

● Government

● Mainstream

● Upstarts

● Lifestyle

● Crypto

CoinGecko



November 12 - November 19

- In 2017 BTC Went From \$5k to \$19k in 33 Days, possible in 2019
- Ayre & CoinGeek Refuse to Concede Defeat in BCH Fork Fight
- Swiss Stock Exchange SIX Lists World's First Multi-Crypto ETF
- KPMG: Cryptocurrencies like Bitcoin are Not Store of Value Yet
- US SEC Levies 'First' Civil Penalties Against Two ICOs
- Pantera Capital CEO: In a Decade Billions of People use Bitcoin
- Crypto's Too Expensive? Binance Sent \$600m in Bitcoin for Just \$7
- Canadian House Finance Committee Recommends Crypto Regulation
- 'Bitcoin's No Longer Boring,' Heading Towards \$1.5K: Bloomberg
- \$50m ICO Lands Crypto Lender SALT in Hot Water with SEC: WSJ
- HiveEx and Ivy combine to launch Australian crypto service

November 20 - November 25

- \$63b Deleted From Crypto in 7 Days, Ethereum Drops Under \$100
- ICE's Bakkt Delays Bitcoin Futures Launch
- Are We There Yet? When Will Crypto Markets and BTC Hit The Bottom
- US Officials Are Probing Tether Role in BTC Market Manipulation
- Nigeria's Biggest Opposition Candidate Promises Crypto Regulation
- US Dept. of Defense to Host Permissionless Blockchain Workshop
- Battle for BCH Name Ends as BCH SV Backer Calls for 'Perm Split'
- Free Software Messiah: We Can Do Better Than Bitcoin
- Norway Ends Power Tax Subsidy for Bitcoin Miners
- ETH Developers Are Quietly Planning an Accelerated Tech Roadmap
- The SEC's Recent Rulings Are More About Exchanges Than ICOs
- Circle's Dollar-Tied Stablecoin Fully Backed: Auditor's 'Attestation'

November 26 - December 3

- Nasdaq to pursue offering Bitcoin futures
- Ohio to officially accept taxes paid in Bitcoin
- Wyoming passes 5 pro blockchain laws despite heavy opposition
- Coinbase launches OT trading for institutional investors
- Fidelity looking to expand digital asset trading beyond BTC & ETH
- Bitcoin suffers worst monthly decline in 7 years
- ICE founders agnostic on Bitcoin's price
- The case for betting on Bitcoin
- SEC charges Mayweather and DJ Khaled illegally promoting ICO's
- Amazon to offer blockchain products based on ETH and Hyperledger

December 4 - December 10

- Switzerland's FINMA License Gives Huge Boost to Blockchain
- ETCDev Shuts Down As Crash Destroys Company Finances
- Vertcoin VTC was 51% attacked. Over \$100k of coins double spent.
- Bitfinex and Ethfinex Lists Every Major Stablecoin in Existence
- Ethereum Whales Accumulate Billions amidst Market Downturn
- US Govt. is Interested in Tracking Privacy Coins, New Document Shows
- US Congressman Announces Plans for Federal Crypto & ICO Regulation
- US Urges Regulators to Use American Blockchain Enforcement Lead
- Swiss Finance Minister Rejects Specific Blockchain Legislation
- Mediterranean EU Countries Make Push on Blockchain Technology
- Bitmain in 'Death Spiral'? Lost \$740 Million in Q3 2018
- VanEckSolidX Bitcoin ETF Delayed to Feb 2019
- US Congressmen Introduce Bills to Prevent Crypto Price Manipulation
- Coinbase Continues to Explore Support for New Digital Assets

December 4 - December 10

- BAT's Brave browser announced as default browser on new HTC phone
- \$80 Million ICO TenX Founder linked to Pyramid Scheme
- Israel's tax authority targeting tax evaders
- Japan Specified New Crypto Regulation for Crypto Exchanges
- Chile's Minister of Finance: Govt. is Making Progress on Crypto Regulation
- Japanese Lawmaker Proposes 4 Changes to Ease Crypto Tax Burden
- Bitmain Shuts down Israel Office, Sacks 23 People
- Judge Rules In Favor Of DRW Investments LLC Against CFTC
- Facebook Seeks Blockchain Talent for Five New Company Roles
- UK Parliament Member Suggests Making BTC a Option for Local Tax System
- Opera Mobile adds Native Support for Ethereum & Web3

December 11 - December 17

- CME Group Released "Introduction to Ether" Course.
- UNICEF Funds ~\$100k in 6 Blockchain Startups to Solve Global Challenges.
- STOs Considered An "Illegal Financial Activity In China".
- Bitcoin Core Developer to Work on Improving Transaction Relay Process
- US Law Professor: Confusing Crypto Regulations Will Hamper Innovation.
- USDT Proportion Hits 3Yr Low in Supply Amid Competitive Stablecoin Market.
- \$1 Billion Dollar's Worth of Cryptocurrency Stolen in 2018.
- \$133M Stablecoin Project: Basis is Shutting Down
- Pantera Capital: About 25% of projects could be violating U.S. securities laws. 87% of top 25 crypto exchange 'volume' is wash-trading
- Russian Draft Bill Blocking Suspicious Financial sites could Cover Scam ICOs.
- XYO Will Launch the Blockchain Satellite 'EtherX' Using a SpaceX Falcon 9.
- Zebpay Exchange Now Live in 21 European Countries.

Major Event List:

Global News (November - December)

● Government

● Mainstream

● Upstarts

● Lifestyle

● Crypto

December 11 - December 17

- BitMEX Launching New Bitcoin and Altcoin Quarterly Futures Contracts.
- Major German Stock Exchange to Launch Crypto Trading Platform.
- France: Gov't Report Recommends \$570 Million Blockchain Investment.
- Ethereum Reaches 50 Million Unique Addresses.
- All of the U.S. customers can withdraw their Coinbase balances to PayPal
- IMF Report Indicates 15 Central Banks Are Getting Into DLT.
- There is evidence of pump-and-dump schemes prior to 51% crypto attacks.
- Crypto startup layoffs running rampant.
- Switzerland Unveils Legal Blockchain Framework
- Coinbase's Free PayPal Withdrawal Flagging Users' Accounts
- VC funds want new rules on investing in unicorns and tokens.
- Japan Publishes Draft Report of New Cryptocurrency Regulations.
- Hong Kong Regulators Set to Tighten Cryptocurrency Laws.
- S.Korea to Add Blockchain to New Growth R&D Business with Lower Tax
- President Trump Appoints BTC Proponent as White House Chief of Staff.
- Brazilian Bank Is Using Ethereum to Issue a Stablecoin.
- Egypt's Central Bank Conducting 'Feasibility Studies' Issuing Digital Currency.
- New US Chief of Staff: Bitcoin is Good, 'Not Manipulable by Any Government'.

December 18 - December 28

- More Than 15% of Crypto Projects Have Serious Red Flags: WSJ
- US Defense Dept. Wants to Use Blockchain to Improve Disaster Relief
- Bitcoin-Supporting Square Named Yahoo Finance's Company of the Year
- New Indian Govt. Committee Favors Legalizing Cryptocurrencies, Media Reports
- 2019 Will See Entry of More Institutional Players: Asia Fintech PwC Leader
- British Regulators Ruminates on Crypto Rules While Firm on Crypto Taxation
- Wall Street Quietly Shelves Its Bitcoin Dreams

Stablecoins:

List of Stablecoins (Part 1)

Abbreviations for Stablecoin Categories

ASSET: Asset-Backed Stablecoin
 FIAT: Fiat-Collateralized Stablecoin
 CRYPTO: Crypto-Collateralized Stablecoin

ALGO: Algorithmic Supply Stablecoin
 HYBRID: Hybrid Stablecoin

#	Token Name	Symbol	Peg	Collateral	Categories	Country	Website	Market Cap
1	Tether	USDT	USD	USD	FIAT	British Virgin Island	https://tether.to/	\$2,071,214,917
2	True USD	TUSD	USD	Multi-assets	FIAT	United States	https://www.truistoken.com/	\$203,944,720
3	USD Coin	USDC	USD	USD	FIAT	United States	https://www.circle.com/en/usdc	\$248,534,076
4	Paxos Standard	PAX	USD	USD	FIAT	United States	https://www.paxos.com/standard/	\$66,406,082
5	Dai	DAI	USD	Ethereum	CRYPTO	United States	https://makerdao.com/	\$69,190,043
6	Gemini Dollar	GUSD	USD	USD	FIAT	United States	https://gemini.com/dollar/	\$15,794,869
7	Stasis Eurs	EURS	EUR	EUR	FIAT	Malta	https://stasis.net/	\$13,845,315
8	Steem Dollars	SBD	USD	Cryptoassets	CRYPTO	United States	https://steem.com/	\$8,416,911
9	BitUSD	BITUSD	USD	-	CRYPTO	United States		\$5,237,556
10	Digix Gold	DGX	Gold	Gold	ASSET	Singapore	https://digix.global/	\$3,823,349
11	SUSD	SUSD	USD	HAV	CRYPTO	Australia	https://www.synthetix.io/	\$1,120,124
12	HelloGold	GOLDX	Gold	Gold	ASSET	Malaysia	https://www.hellogold.com/	\$758,248
13	Nubits	USNBT	USD	USD	FIAT	Sweden	https://www.coingecko.com/en/coins/nubits	\$362,328
14	AAA Reserve	AAA	USD,GBP, EUR	USD,GBP, EUR	FIAT	United Kingdom	https://www.arcycy.org/	N.A
15	Bridgecoin	BRC	USD	Multi-assets	FIAT	United States	https://sweetbridge.com	N.A
16	Globcoin	GLX	USD, fiat pairs, Gold	Multi-assets	FIAT	Switzerland	https://globcoin.io/	N.A
17	Stronghold USD	USDS	USD	USD	FIAT	United States	https://stronghold.co/stronghold-usd/	N.A
18	Kowala	KUSD	USD	Seigniorage Shares	ALGO	United States	https://www.kowala.tech/	N.A
19	White Standard	WSD	USD	USD	FIAT	United States	https://thewhitecompanyus.com/	N.A
20	Carbon	CUSD	USD	Fiat	ALGO	United States	https://www.carbon.money/	N.A
21	Ampleforth (Prev. Fragments Protocol)		USD	ETH	ALGO	United States	https://www.ampleforth.org/	N.A
22	Reserve	RES, RSH	USD	Cryptoassets	CRYPTO	United States	https://reserve.org/	N.A
23	Xank	XANK	IMF SDR	Reserve	ALGO	South Korea	https://xank.io/	N.A
24	Jibrel	JGBP, JUSD, JEUR, JKRW, JJOD	USD	NEO	CRYPTO	Singapore	https://alchemint.io/	N.A
25	Alchemint	SDUSD	USD	NEO	CRYPTO	Singapore	https://alchemint.io/	N.A
26	Stableunit	SU	USD	Cryptoassets	CRYPTO	Canada	https://stableunit.org/	N.A
27	Terra Money	TERRA	Multiple Fiat	-	Others	Singapore	https://terra.money/	N.A
28	Minexcoin	MINX	USD	-	ALGO	Ukraine	https://minexcoin.com/	N.A
29	Goldmint	MNTP	Gold	Gold	ASSET	Russia	https://www.goldmint.io/	N.A
30	StableUSD	USDS	USD	USD	FIAT	Canada	https://www.stably.io/	N.A
31	AnchorUSD	USDX	USD	USD	FIAT	United States	https://www.anchorusd.com/	N.A

Market Dynamics:

Top-30 Coins



#	Coin Name	Price (as of 31/12/2018)	Y-0-Y Returns (as of 31/12/2018)	YTD Returns (as of 31/12/2018)	Market Cap Value (as of 31/12/2018)	Market Cap Distribution (as of 31/12/2018)
1	bitcoin	\$ 3,809.73	-73%	-53%	\$ 66,494,185,031	55.51%
2	xrp	\$ 0.36	-84%	-75%	\$ 14,832,331,452	12.38%
3	ethereum	\$ 137.63	-82%	-70%	\$ 14,310,166,049	11.95%
4	bitcoin cash	\$ 160.70	-93%	-78%	\$ 2,815,810,992	2.35%
5	eos	\$ 2.63	-66%	-25%	\$ 2,699,950,805	2.25%
6	stellar	\$ 0.12	-77%	-49%	\$ 2,215,814,544	1.85%
7	tether	\$ 1.01	0%	-1%	\$ 2,071,214,917	1.73%
8	litecoin	\$ 31.32	-86%	-73%	\$ 1,871,653,983	1.56%
9	bitcoin sv	\$ 87.55	-24%	N.A.	\$ 1,535,594,208	1.28%
10	cardano	\$ 0.04	-94%	-89%	\$ 1,328,117,220	1.11%
11	tron	\$ 0.02	-62%	-57%	\$ 1,284,441,290	1.07%
12	iota	\$ 0.35	-91%	-86%	\$ 981,095,605	0.82%
13	binance coin	\$ 5.89	-33%	13%	\$ 850,105,601	0.71%
14	monero	\$ 48.13	-87%	-68%	\$ 803,035,215	0.67%
15	dash	\$ 80.65	-92%	-82%	\$ 687,695,673	0.57%
16	nem	\$ 0.07	-94%	-91%	\$ 612,017,711	0.51%
17	ethereum classic	\$ 5.21	-83%	-62%	\$ 556,429,974	0.46%
18	neo	\$ 7.95	-90%	-77%	\$ 515,657,554	0.43%
19	ontology	\$ 0.61	-54%	51%	\$ 363,842,313	0.30%
20	tezos	\$ 0.49	-89%	-68%	\$ 383,269,587	0.32%
21	maker	\$ 466.80	-57%	-55%	\$ 339,776,806	0.28%
22	zcash	\$ 59.29	-90%	-78%	\$ 330,017,563	0.28%
23	waves	\$ 3.05	-76%	-82%	\$ 305,106,086	0.25%
24	dogecoin	\$ 0.00	-74%	-35%	\$ 274,866,864	0.23%
25	usd coin	\$ 1.00	-1%	N.A.	\$ 248,534,076	0.21%
26	bitcoin gold	\$ 13.56	-95%	-90%	\$ 237,455,928	0.20%
27	vechain	\$ 0.00	-100%	-100%	\$ 230,725,787	0.19%
28	trueusd	\$ 1.00	-1%	0%	\$ 203,944,720	0.17%
29	okb	\$ 0.69	-86%	-70%	\$ 208,129,286	0.17%
30	omisego	\$ 1.40	-93%	-81%	\$ 195,653,580	0.16%

Stablecoins:

List of Stablecoins (Part 2)

Abbreviations for Stablecoin Categories

ASSET: Asset-Backed Stablecoin
 FIAT: Fiat-Collateralized Stablecoin
 CRYPTO: Crypto-Collateralized Stablecoin

ALGO: Algorithmic Supply Stablecoin
 HYBRID: Hybrid Stablecoin

#	Token Name	Symbol	Peg	Collateral	Categories	Country	Website	Market Cap
32	CannDollar	CANN\$	USD	USD	ASSET	Canada	http://www.cann-dollar.com/	N.A
33	G Coin	G-COIN	Gold	Gold	ASSET	United States	https://www.gcoin.com/	N.A
34	Kinesis	KVT	Gold	Gold	ASSET	Cayman Islands	https://kinesis.money/en/	N.A
35	KRWB	KRWB	KRW	KRW	FIAT	South Korea	https://krwb.io/	N.A
36	Onegram	OGC	Gold	Gold	ASSET	United Arab Emirates	https://onegram.org/whitepaper	N.A
37	OnRamp Dollars	AUDR	AUD	AUD	HYBRID	Australia	https://onramp.tech/	N.A
38	USDVault	USDV	USD	Gold	ASSET	Switzerland	http://vault.ch/	N.A
39	SGDR	SGDR	SGD	SGD	FIAT	Singapore	https://sgdr.io/	N.A
40	1SG	1SG	SGD	SGD	FIAT	Singapore	http://1.sg/	N.A
41	Petro	PETRO	-	Crude Oil Reserves	ASSET	Venezuela	https://petro.gob.ve/	N.A
42	Quintric	QUINT	-	Commodities	ASSET	United States	https://quintric.com/	N.A
43	Liberty Dollar 2	LD2	-	Multi-assets	ASSET	United States	https://ld2coin.io/	N.A
44	Celo	-	USD	Cryptoassets	CRYPTO	United States	https://celo.org/	N.A
45	Token X Coin	-	USD	USD	FIAT	England	https://token.io/x	N.A
46	Basis	-	USD	-	ALGO	United States	https://www.basis.io/	N.A
47	Royal Mint Gold	-	Gold	Gold	ASSET	United Kingdom	https://www.royalmint.com/	N.A
48	SendGold	-	Gold	Gold	ASSET	Australia	https://www.sendgold.com	N.A
49	Xaurum	XAUR	Gold	Gold	ASSET	Slovenia	https://www.xaurum.org	N.A
50	Ekon	EKG	Gold	Gold	ASSET	Switzerland	https://ekon.gold/	N.A
51	Monerium	-	-	-	FIAT	Iceland	https://monerium.com	N.A
52	Carats	CARAT	-	Diamond	ASSET	Israel	https://carats.io/	N.A
53	D1	D1	-	Diamond	ASSET	Cayman Islands	https://d1coin.io/	N.A
54	Tiberius Coin	-	-	-	ASSET	Switzerland	https://www.tiberiuscoin.com/	N.A
55	UnionBank	-	-	-	FIAT	Liechtenstein	https://www.unionbankag.com	N.A
56	Freedium	-	-	Commodities	ASSET	United Arab Emirates	https://freedium.io/	N.A
57	Aryze	-	-	Multi-assets	FIAT	Denmark	https://aryze.io/	N.A
58	Corion	COR	-	-	FIAT	Switzerland	https://www.corion.io/	N.A
59	Staticoin	-	-	-	ALGO	United Kingdom	http://staticoin.com/	N.A
60	Phi	PHI	-	Loan	Others	Italy	https://dfinity.org/	N.A
61	Saga	SGA	-	-	ALGO	Switzerland	https://www.saga.org/	N.A
62	X8	X8X	-	Multi-assets	ASSET	Switzerland	https://www.x8currency.com/	N.A

Bitcoin Cash

Technical Difference: Bitcoin SV vs. Bitcoin Cash ABC

Bitcoin ABC	Differences	Bitcoin SV
Bitcoin ABC	Who?	NChain
32mb	Blocksize	128mb
Yes	CTOR	No
Yes	OP_CHECKDATASIG	No
Btc.top, Bitcoin.com	Major Miners	CoinGeek, SV Pool

The differences between Bitcoin Cash ABC and Bitcoin SV

Terminology:

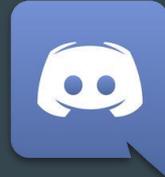
CTOR (Canonical Transaction Ordering)

A method used for massive scaling improvements in the future.

OP_CHECKDATASIG

A New Opcode which enables validation of messages from outside the blockchain and enables oracles and cross-chain atomic contracts.

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THE END



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