



LITTLE BIT ABOUT ME

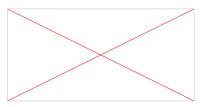
SCIENCE KID Figure 3.1.4: A schematic of the photophysics of RuCN-BL-Rubpy in a) H₂O and b)

DMSO. Reproduced from Ref.3

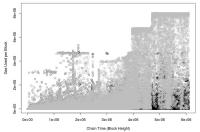
Figure 4.4.3.3: The FTIR (bottom) and ns-TRIR spectra between 1 and 750 ns (top)
of RubpyamideBPM in D-O solution.

EXPERIMENTAL ARTS THE CENTRIFUGE PRESENTS OPEN SOURCE ACID OOO OO (CF502) VARIOUS ARTISTS: TURBULENT TOPOGRAPHIES

D-TECH RESEARCH #ReachingEveryone #Forkonomy #TokenSpace



ETC/ETH Gas Used versus Chaintime





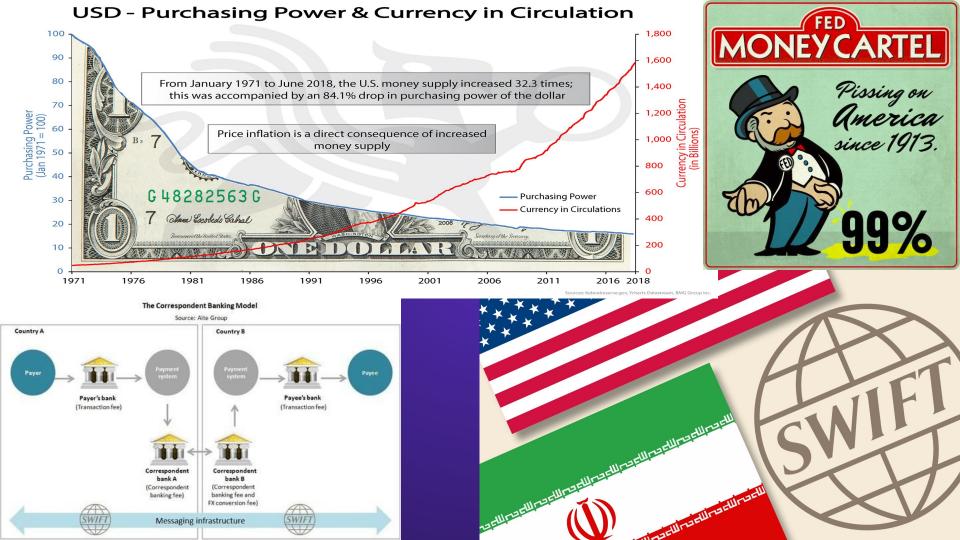
A Question or Two for You.

THESE THINGS...DO NOT SEEM TO BE RELATED:)

- > Why does Cryptocurrency Matter?
 Cryptocurrency, Decentralisation & the Network Stack
- > Apples-to-Apples Comparisons in a sea of Fruit Salad
- > Finding New Ways to Understand Asset Characteristics
- > Hidden Power Structures in Monetary Networks
- > Humanitarian and Political Hacks with Bitcoin
- > What's Next?

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BLOCKCHAIN TECHNOLOGY STACK

Application Layer

Acts as the User Interface that combines business logic and customer interactions.







Application Hosting



Programming Languages

Services and Optional Components

Serves to enable application operations with a view to connecting with other technologies and platforms.



Data Feeds



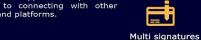
Off-chain Computing



Governance/ DAOs



State Channels



















Digital IDs

Protocol Layer

Decides the methods of consensus and network participation.









Permissioned and Permissionless



EVMs

Network Layer

Acts as a transportation medium and interface the Peer-to-Peer network and decides how data is packetized, addressed, transmitted, routed and received.



RPLx



Roll Your Own



Block Delivery Networks



Trusted Execution Environment



Peer-to-Peer

Infrastructure Layer

In-house infrastructure or Blockchain as a Service (BaaS) to control the nodes.













Tokens





Created by 101blockchains.com

Social/Political:

Decision-making & interests arising from network participants

Monetary:

Transactions, addresses, incentives and issuance. Emergent economic characteristics within a value transfer system

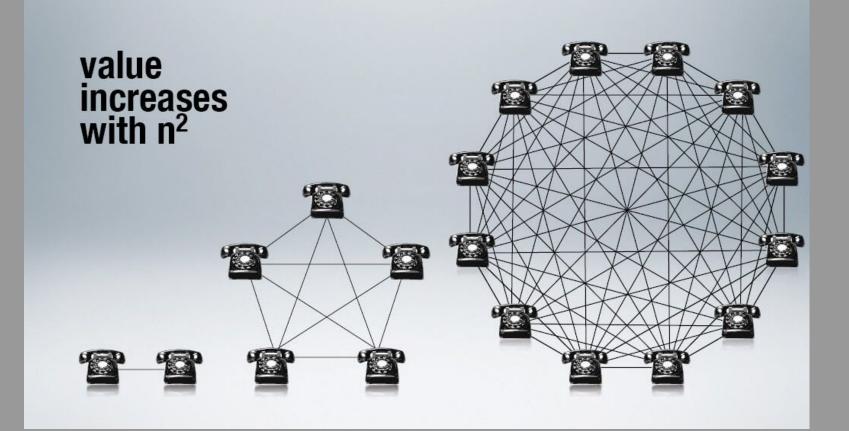
Protocol:

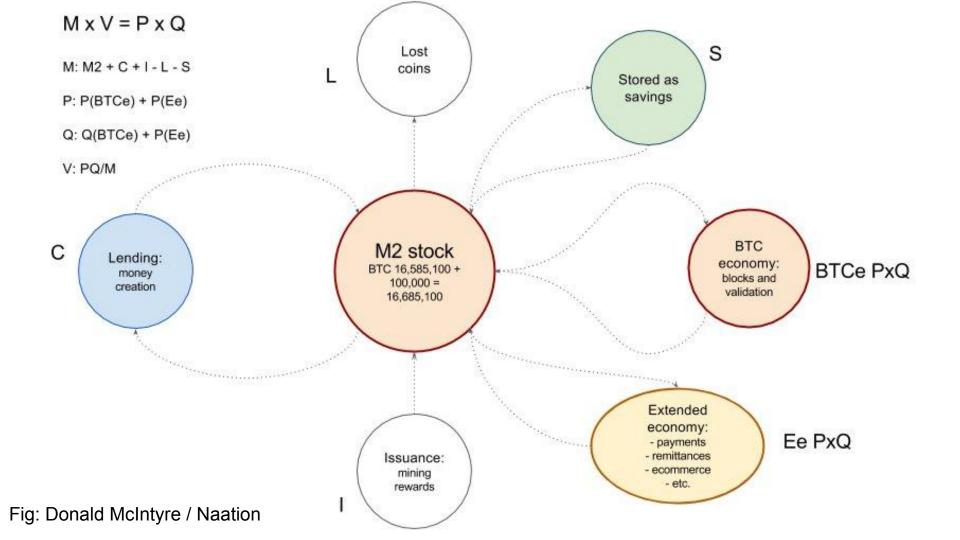
Cryptographic primitives, software specifications, consensus rules & message broadcasting

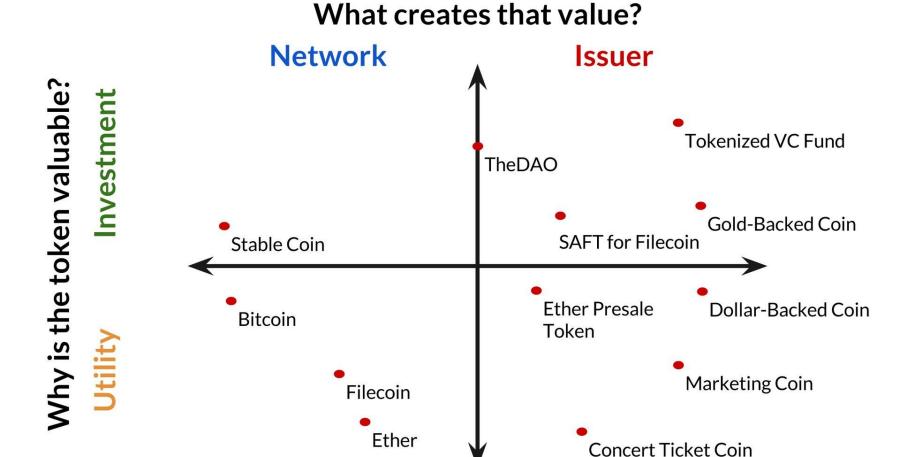
Logical:

Data storage & structure. Redundancy, scalability externalities on infrastructure, reliance on central points of failure

METCALFE'S LAW



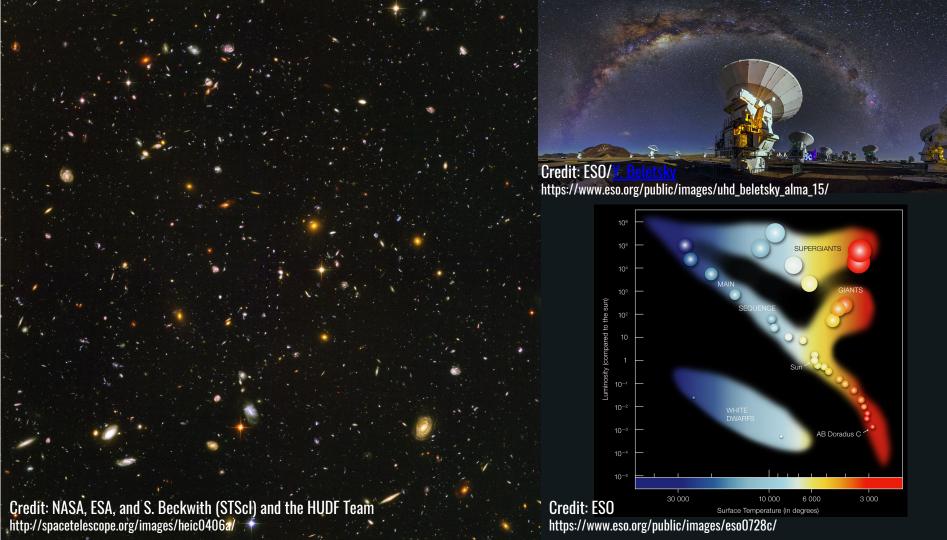




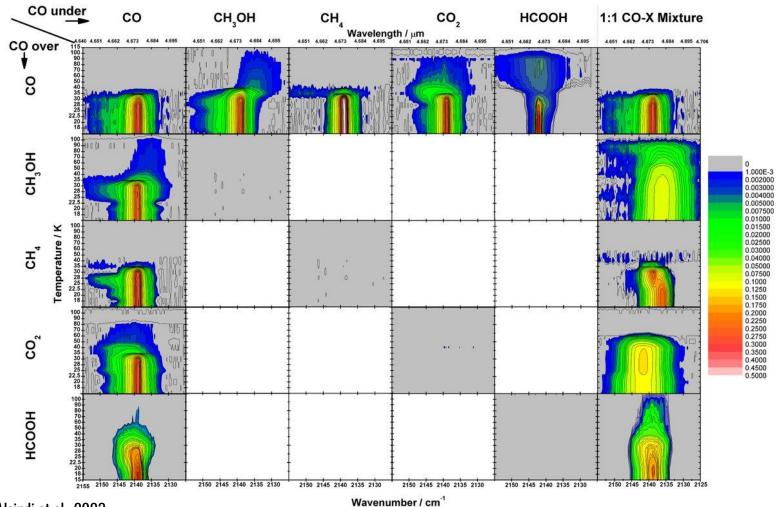
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Apples-to-Apples Comparisons in a sea of Fruit Salad









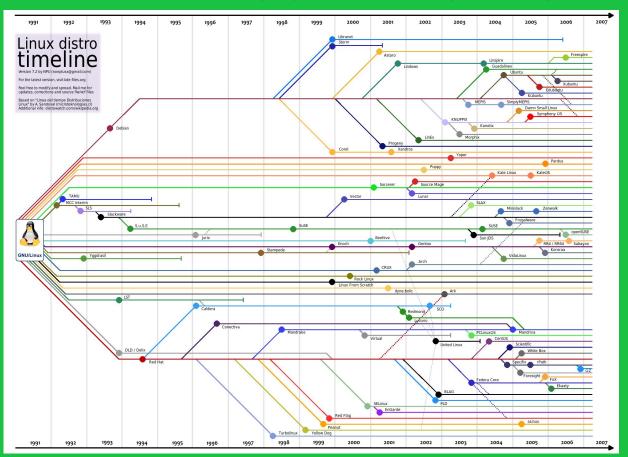
Forks and Forkability

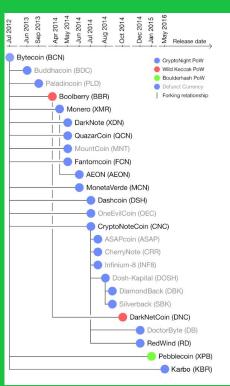
WTF is forkonomy?



FORKS IN THE ROAD PARALLEL DIMENSIONS?

CODEBASE FORKS

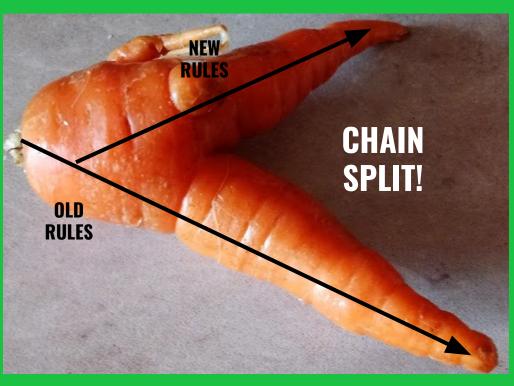




Credit: Kun Woo

https://medium.com/@favakrypt/the-long-fork -story-of-monero-xmr-cryptonote-code-forks-c hain-splits-and-network-upgrades-bc5250b4db

LEDGER FORKS



- > DYNAMIC PROCESS
- > PARAMETER / CONSENSUS TWEAKS*
- > NETWORK FRAGMENTATION
- > REPLAY ATTACKS*
- > CHAIN REORGS / WIPEOUTS*
- > HARD RULE RELAXATION / IRREV.
- > **SOFT** RULE CONSTRICTION / OPT-IN
- > VELVET MIN. CONSENSUS-BREAKING

*SOMETIMES / GENERALLY SPEAKING





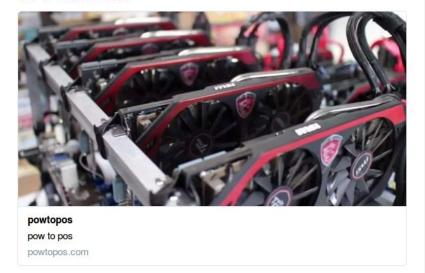


WHAT MAKETH A FORK? INTENTION, SUPPORT, POLITICS





I am Chandler Guo, a 51% attack on Ethereum Classic (ETC) is coming with my 98G hashrate



1:33 PM - 24 Jul 2016



Chandler Guo @ Chandler Guo ⋅ 31 Jul 2016

Today i will turn on my 120GH for the ETC chain to protect ETC

ETC would definitely harm innocent people. Countless numbers of ETC holders would be harmed financially. Right now an attack on ETC by 51pool.org is the equivalent to the DAO hacker. Whoever does bad/evil, i'll attack. Today i will turn on my 120gh for the ETC chain to protect ETC

♥ 山西, 中华人民共和国

q

W



And so I joined Ethereum Classic initially mostly as a protest. And I wanted to say, 'Listen, this is not ok. Not everybody agrees. You don't have 99% of the community behind you. There is certainly a subset of your population that thinks you have betrayed the social contract you raised the money for, and you have, in a way, damaged your community. And we're not going to take it. We're going to make sure that you understand that the decisions you have made are not free and they have some form of consequence.'

But then after interacting with the Classic community and having a lot of conversations and getting to know them, I've come to the conclusion that it is a self-sustaining ecosystem if it wants to be. Meaning that there is a tremendous amount of opportunity for Ethereum Classic to diverge from ETH and actually become its own coin and chart its own course and have a different philosophy and different roadmap. And that, in and of itself, is actually a really exciting thing. Whenever you find a good ecosystem, a good value, good developers, good community you don't just throw that away. That's something you keep, cherish, and grow and see where it goes."

Credit: https://www.ethnews.com/charles-hoskinson-tells-us-why-he-is-100-etc https://www.youtube.com/watch?v=f9YDXaVTXkg https://toshitimes.com/ouroboros-vs-casper-vitalik-buterin-and-charles-hoskinson-in-a-heated-debate/











Jihan Wu, Roger Ver and myself discussing how to put marriage and divorce on the blockchain.



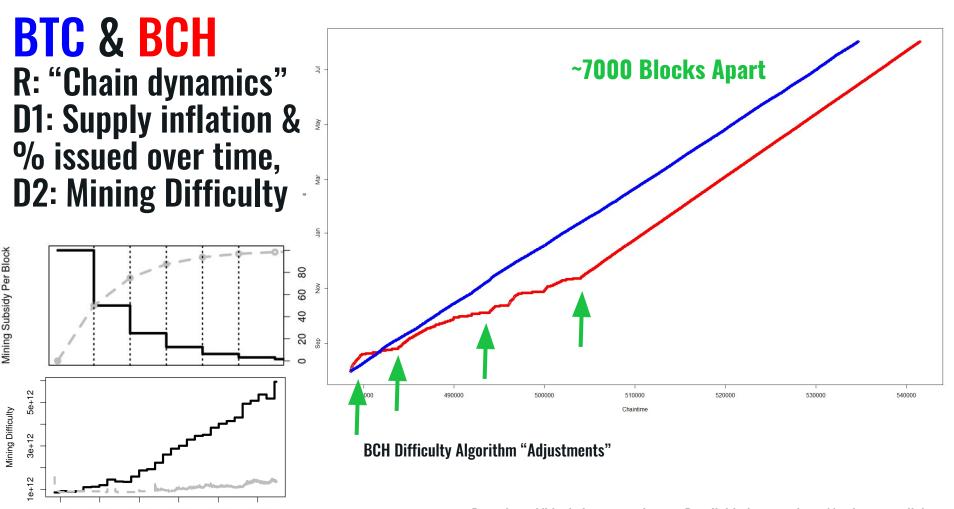
The fact, Bitcoin was never anti-banking. It was opposed to anti-free-market intervention.

The purpose of Bitcoin is to stop just the thing that Jihan, ABC and others are now calling for.

9:37 AM - 1 Sep 2018

Dr Craig S Wright 📀

@ProfFaustus



Block Height

Data: http://blockchair.com, Image: Parallel Industries, http://forkonomy.pllel.com

Bitcoin Cash double spends

Double spend is when a set of coins is spent in more than one transaction. This can happen for various reasons, but one of the reasons is fraud attempts.

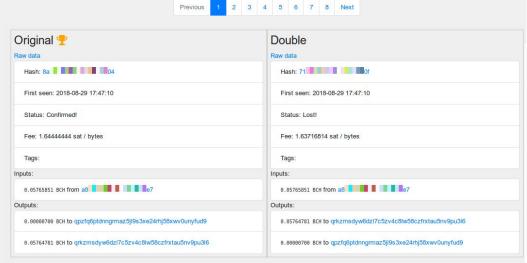
If you are accepting 0-conf payments, it's in your interest to detect double spend attempts. If you want merchants to accept your 0-conf payments, it's in your interest to help detect double spend attempts.

Bitcoin XT detects double spends relayed to it. It allows you to react to double spends. It's also the only Bitcoin Cash node that forwards double spends to allow other nodes to detect them.

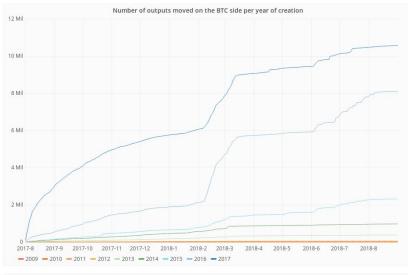
Help gathering double spends here and detecting them network wide by running Bitcoin XT and connecting to at least one other Bitcoin XT node, such as respends.thinlink.com:8333

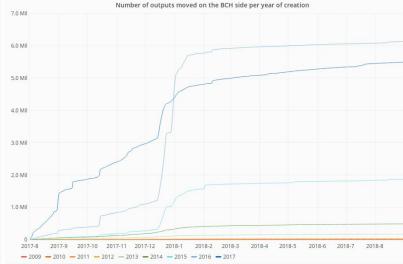
Below are double spends detected with Bitcoin XT. Tags are applied to some as analysis for cause or motivation of the double spend.

Last updated 2018-08-29 17:57:56.354944

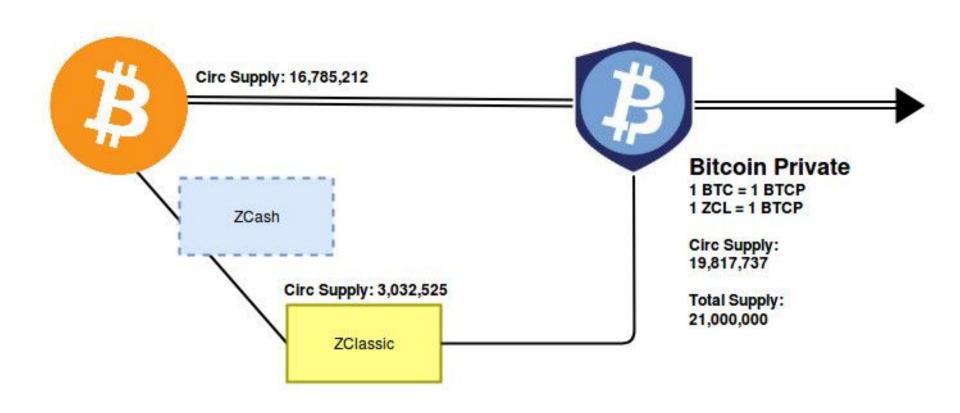


Credit: Doublespend.cash & Forks.network



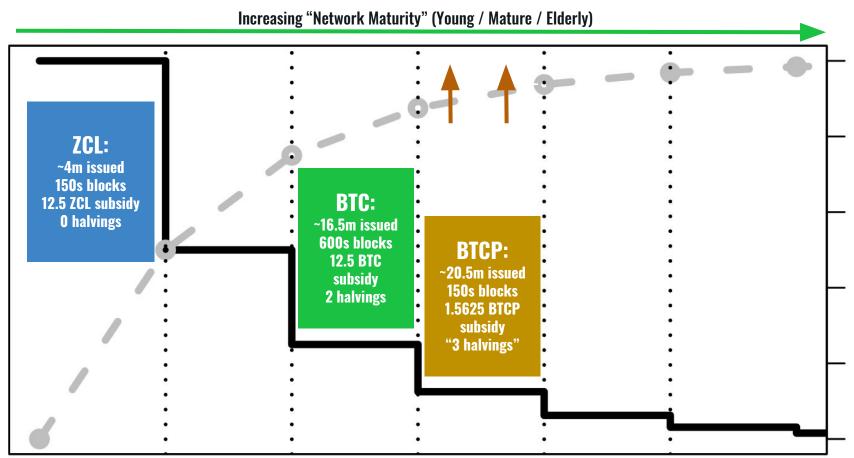


FORK-MERGE HOW TO BREED CHAINS TOGETHER (BADLY)



Credit: https://steemit.com/crypto/@gktown/bitcoin-private-fork-resembles-github-fork-merge-infographic

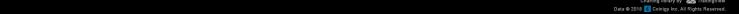
BTC, ZCL & BTCP Supply inflation / % issued over time



(all three networks have 21m supply cap) Credit: Parallel Industries, http://forkonomy.pllel.com

2018-08-31 16:30:50 Bittrex - ZCL/BTC (D) 0: 0.00104892 H: 0.00120000 L: 0.00102416 C: 0.00109540 BTCP/BTC, HITB 0.02000000 0.01900000 0.01800000 0.01700000 0.01600000 0.01500000 0.01400000 0.01300000 0.01200000 0.01100000 0.01000000 0.00900000 0.00800000 0.00700000 0.00600000 0.00500000 0.00400000

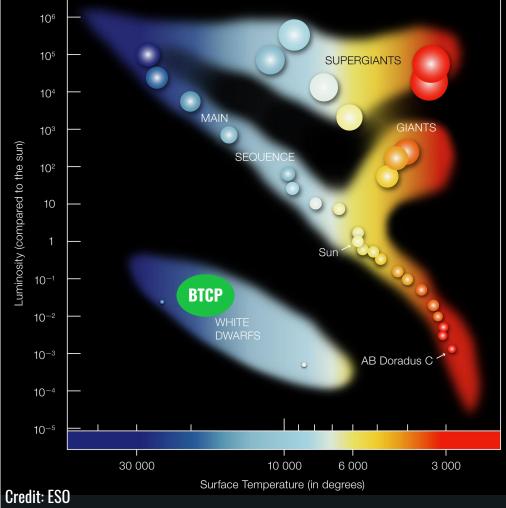




Bittrex - ZCL/BTC (D)







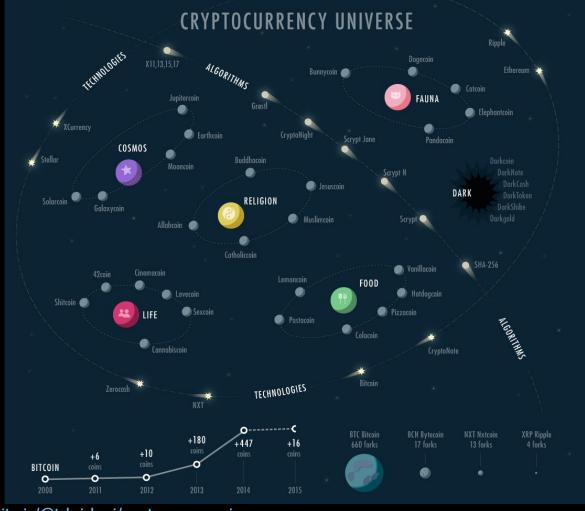
WHITE DWARF CHAIN?

- > UTXO MERGE = "FULL LEDGER"
- > INSUFFICIENT MINING SUBSIDY
- > NO TX FEE MARKET
- > TINY HASHRATE (EQUIHASH = ASICs)
- > 51% ATTACKS TRIVIAL (<\$50/HR)
- > NO SoV / MoE PROPOSITION
- > NO "ECONOMIC GRAVITY"

TLDR: MATING CHAINS REKT BTCP

https://www.eso.org/public/images/eso0728c/

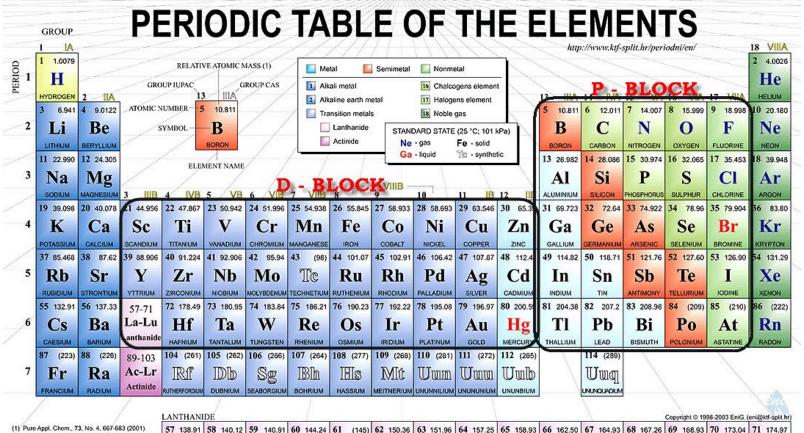
PEERING BEHIND THE VEIL BLOCKCHAINS AS TIME MACHINES



Credit: https://steemit.com/bitcoin/@tahajelassi/cryptocurrency-universe

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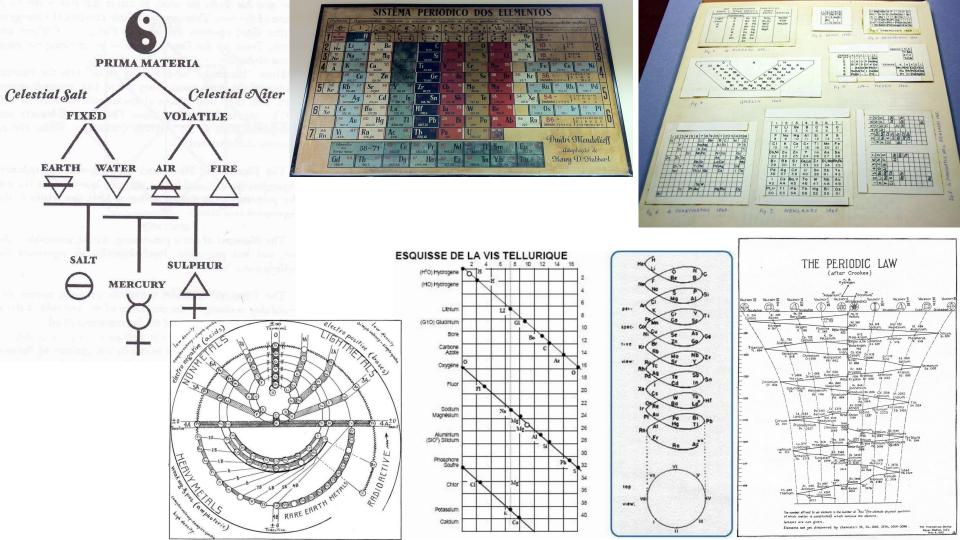
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Relative atomic mass is shown with five significant figures. For elements have no stable nuclides, the value enclosed in brackets indicates the mass number of the longest-lived isotope of the element.

However three such elements (Th, Pa, and U) do have a characteristic terrestrial isotopic composition, and for these an atomic weight is tabulated.

Pr Sm Er La Ce Nd Eu Gd Tb Dv Ho Tm Lu LANTHANUM PRASEODYMIUM NEODYMIUM PROMETHIUM SAMARIUM EUROPIUM GADOLINIUM TERBIUM DYSPROSIUM HOLMIUM **ERBIUM** THULIUM ACTINIDE (243) 96 (227) 90 232.04 91 231.04 92 238.03 93 (237) 94 (244) 95 (247) 97 (247) 98 (251) 99 (252) 100 (257) 101 (258) 102 (259) 103 (262) Th Pa Am \mathbb{B} k No Lr Ac 14 mm NEPTUNIUM PLUTONIUM AMERICIUM CURIUM



TOKENSPACE WHY DO WE NEED TAXONOMIES ANYWAY?

Regulation, Risk, Hacks, Law







Bitcoin draws calls for more regulation at Dayos











'We will all lose out' Will Philip Hammond announce a Bitcoin Budget?

PHILIP Hammond should use the Budget to capitalise on the huge growth in cryptocurrencies like Bitcoin, a former senior banker at JP Morgan has said.

INDY / TECH

BITCOIN LATEST: THERESA MAY 'VERY

SERIOUSLY' CONSIDERING TAKING

ACTION AGAINST DIGITAL CURRENCIES

OPINION

Digital Asset Transactions Met Gary (Plastic)

Op Ed: Exploring the SEC's New "Sufficiently Decentralized" Test



William Hinman

Director, Division of Corporation Finance

San Francisco, CA

June 14, 2018

Remarks at the Yahoo Finance A

'MONEY HAS CHANGED OVER TIME': US SUPREME COURT CITES BITCOIN IN POSITIVE LIGHT



MOST REASONABLE PEOPLE AGREE THAT:

CRYPTO-ASSETS ARE NOT "MUH TULIPS"

EXANTE

Money

- 1.Durable
- 2.Portable
- 3. Fungible
- 4. Intrinsic value



Aristotle IV BC

- 1.Store of value
- 2.Medium of exchange
- 3. Unit of account









Bitcoin Obituaries

Bitcoin has died 245 times

Obituary Stats | Submit Obituary | Obituary Generator



"Bitcoin price THREAT: Bitcoin WON'T last past 2018" -Express | \$11,582.56

Bitcoin will not survive but that does not mean the entire cryptocurrency craze is dead with useful cryptos like Ripple...



"The end of bitcoin" - The Week | \$11,582.56

To really work as money, bitcoin needs to be widely used. There need to be lots of actors providing a...



"Bitcoin could be here for 100 years but it's more likely to 'totally collapse,' Nobel laureate says" - CNBC | \$11,582.56

Bitcoin will likely "totally collapse," Nobel Prize-winning economist Robert Shiller has told CNBC, adding that it reminds him of "tulip...

Money	Tulips	Fiat	Gold	Bitcoin
Store of value	.	****	****	****
Medium of exchange	****	****		****
Unit of account		****	×*×	



Naval @naval



Tulips are not durable, not scarce, not programmable, not fungible, not verifiable, not divisible, and hard to transfer. But tell me more about your analogy...

2:11 AM - 9 Dec 2017

2,959 Retweets 7,305 Likes





















Value [edit]

In 2006, the House of Commons Library published a research paper which included an index of prices in po

Regarding the period 1750-1914 the document states: "Although there was considerable year on year fluct since 1945". It goes on to say that "Since 1945 prices have risen in every year with an aggregate rise of over

The value of the index in 1751 was 5.1, increasing to a peak of 16.3 in 1813 before declining very soon after 25.3 in 1920, before declining to 15.8 in 1933 and 1934—prices were only about three times as high as the

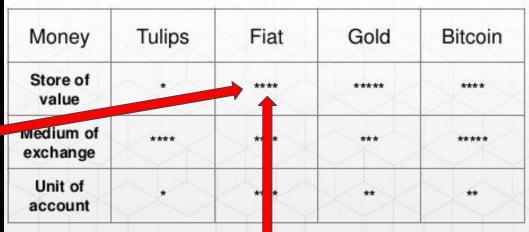
Inflation had a dramatic effect during and after World War II-the index was 20.2 in 1940, 33.0 in 1950, 49.3

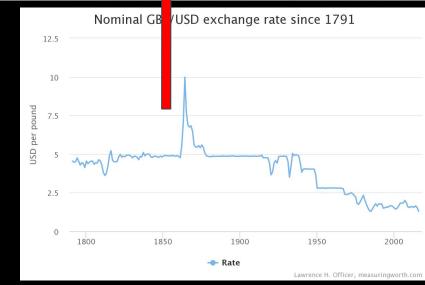
The following table shows the equivalent amount of goods and services that, in a particular year, could be p

The table shows that from 1971 to 2015 the British pound lost about 92% of its buying power.

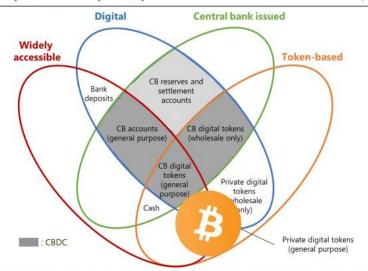
Buying power of one British pound compared to 1971 GBP

Year	Equivalent buying power	Year	buying power	Year	buying power	Year	Equivalent buying power	Year	buying power
1971	£1.00	1981	£0.271	1991	£0.152	2001	£0.117	2011	£0.0900
1972	£0.935	1982	£0.250	1992	£0.146	2002	£0.115	2012	£0.0850
1973	£0.855	1983	£0.239	1993	£0.144	2003	£0.112	2013	£0.0826
1974	£0.735	1984	£0.227	1994	£0.141	2004	£0.109	2014	£0.0800
1975	£0.592	1985	£0.214	1995	£0.136	2005	£0.106	2015	£0.0780
1976	£0.510	1986	£0.207	1996	£0.133	2006	£0.102		
1977	£0.439	1987	£0.199	1997	£0.123	2007	£0.0980		
1978	£0.407	1988	£0.190	1998	£0.125	2008	£0.0943		
1979	£0.358	1989	£0.176	1999	£0.123	2009	£0.0952		
1980	£0.303	1990	£0.161	2000	£0.119	2010	£0.0910		



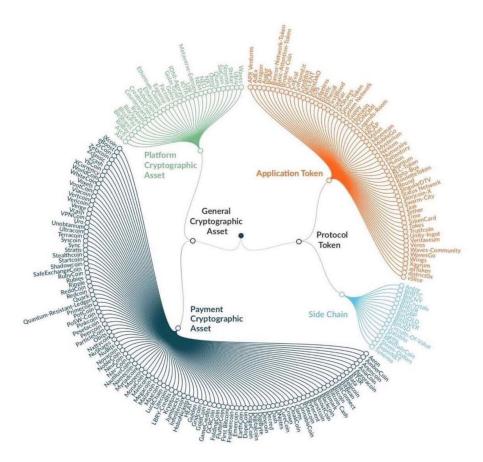


The money flower: a taxonomy of money Graph 1



Notes: The Venn-diagram illustrates the four key properties of money: issuer (central bank or not); form (digital or physical); accessibility (widely or restricted) and technology (account-based or token-based). CB = central bank, CBDC = central bank digital currency (excluding digital central bank money already available to monetary counterparties and some non-monetary counterparties). Private digital tokens (general purpose) include crypto-assets and currencies, such as bitcoin and ethereum. Bank deposits are not widely accessible in all jurisdictions. For examples of how other forms of money may fit in the diagram, please refer to the source.

Source: Based on Bech and Garratt (2017).





A Multi-Disciplinary Field

Game Theory & Behavioural Economics
Finance, Investing & Trading
Geopolitics & Regulation
Thermodynamics & Entropy
CS Distributed Networks & Applied Cryptography





CRYPTOGRAPHIC TOKENS CAN BE USED TO CREATE THE NECESSARY BALANCE OF INCENTIVE STRUCTURES IN A FULLY DECENTRALISED P2P NETWORK FOR IT TO FLOURISH IN SPRING AND SURVIVE IN WINTER.

NATIVELY DIGITAL MONEY BUILT UPON FOSS PROTOCOLS HAS LED TO A "CAMBRIAN EXPLOSION" IN MONETARY EXPERIMENTS & TECHNOLOGICAL ABSTRACTIONS OF VALUE.

How are crypto-assets different from traditional financial instruments?

How are crypto-assets different from traditional financial instruments?

```
(Monetary | Commodity | Capital / CFs)

(NOT Fractional | Debt-Based | No Counterparty Liability)

(Incompatible Value Proposition Models)

(Bearer assets like metals sans specie w/ programmability)

(Decentralised / Borderless)

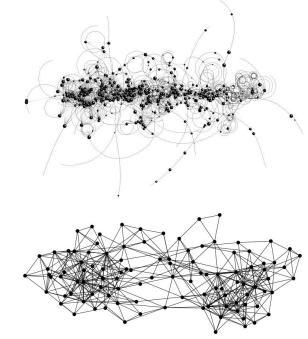
(Culture)
```

Bitcoin: A Protocol and a Currency

- Bitcoin: protocol, software, and community
- bitcoins: units of the currency

bitcoins are sent using Bitcoin

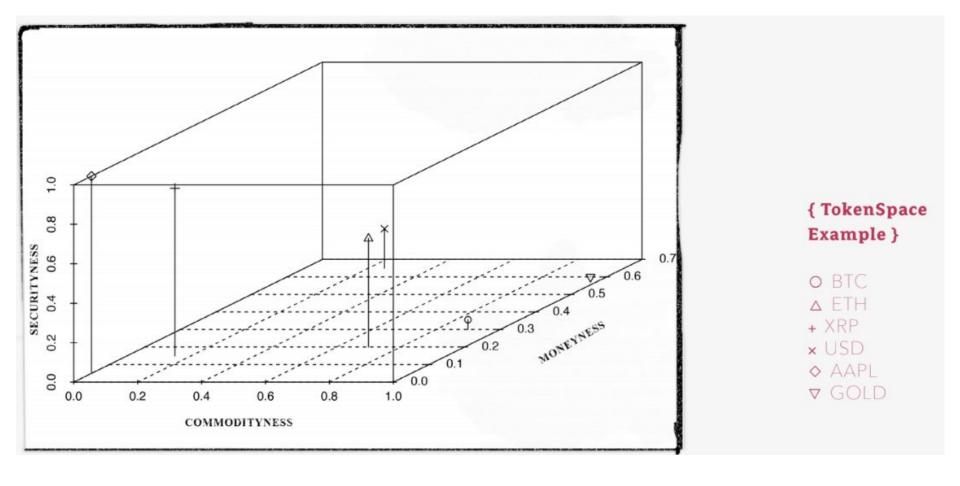
 bitcoins are the first powerful Bitcoin protocol application: a native digital asset created inside the protocol





Ferdinando Ametrano 2017

20/68



Credit: 21Cryptos Magazine & Parallel Industries, http://www..pllel.com

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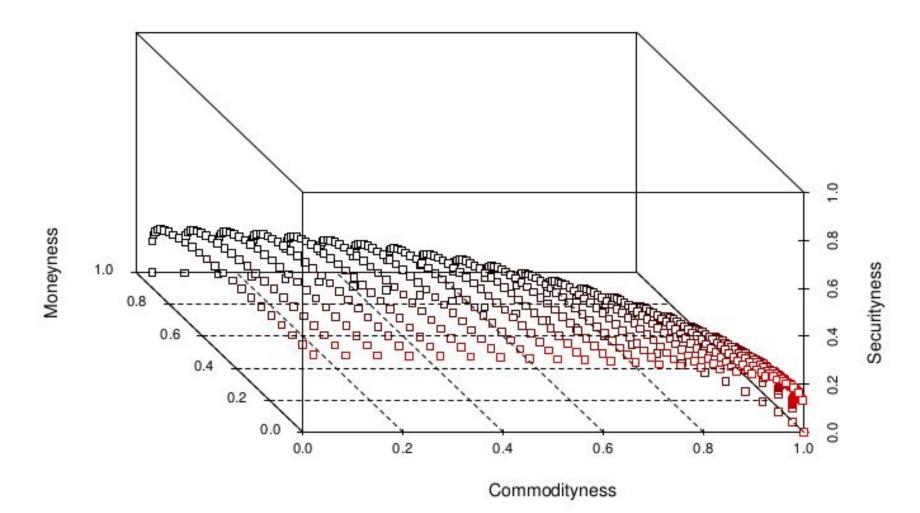
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	5	Securityness: Example Scores as of October 2018
Asset	S	Notes
AAPL	1.0	Ideal type for securitised asset.*
XRP	0.85	Supply concentration & nodes insider-heavy, no validation reward,
		missing ledger history
DAO	0.9	Collective investment vehicle
BTC	0.05	Leaderless, permissionless
ETH (2014)	0.85	Token sale of pre-functional network utility
ETH (2018)	0.55	"sufficiently decentralised"**
Gold (metal)	0.0	Ideal type for non-securitised asset
Soy beans	0.0	Ideal type for non-securitised asset
USD	0.2	Reliance on faith in government and fiscal prudence of Federal Reserve.
		Unlikely to still be fully collateralised/backed by gold, no audit.

4	N	Moneyness: Example Scores as of October 2018
Asset	$\overline{\mathcal{M}}$	Notes
AAPL	0.05	Ideal type of non-monetary asset, limited utility as MoE due to liquid- ity.
XRP	0.15	Used as reg-arb vehicle and speculative asset. Utility limited to friction- increasing applications. Central parties can censor.
Gold metal (un- coined)	0.4	Non-standardised, prone to dilution, necessitates verification by mass.
Gold coins (pre- state minting)	0.5	Dilution via clipping.
Gold coins (state minted)	0.6	Improved anti-forgery.
Soy beans	0.05	MoE restricted to barter, consumption or use as underlying for a deriva- tive instrument.
CHF	0.8	Ideal type of modern fiat currency.
USD	0.7	Inflationary, with supply debasement (Triffin dilemma).
GBP	0.6	Post-reserve currency hangover, Brexit uncertainty.
BTC ETH (2014)	0.3* 0.05**	Post-bootstrap uncertainty.
ETH (2018)	0.2**	Not intended to be a monetary asset but has become an MoE and UofA in some circumstances.

Asset	Ē	Notes
AAPL	0	Ideal type of a non-commoditised asset.
XRP	0.15	Too censorable to be freely tradeable.
DAO	0.45	Hybrid of security and commodity.
BTC	0.9	Ideal type of a digital commoditised asset.
ETH (2014)	0.1	Non-functional network.
ETH	0.7	Used as a digital utility for token sales and persistent scripts.
Gold (metal)	0.95	Ideal type of a legacy commoditised asset.
Gold (state minted)	0.8	Purity assessment and faith in provenance.
Soy beans	1.0	Ideal type of a legacy commoditised consumable asset.
USD (pre-1971)	0.55	Proxy for precious metals, state backed.
USD	0.25	Loss of gold peg, debasement of supply.



Parallel Industries @ @parallelind - Dec 8

Thinking about the Gnosis crowdsale. The reverse auction, time to finish and amounts raised are well documented, and this article is interesting too. US investors included, 90+% insider allocation, promise of PM as-yet-undelivered. Delisted from Polo. Why?



Blockchain startup Gnosis to freeze tokens after strong sale

After an initial digital currency sale that raised \$12.5 million in just 12 minutes, blockchain startup Gnosis has decided to leave most of its remaining curren...

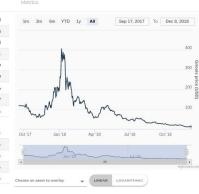
reuters.com



Gnosis aims to provide an open source platform for the creation of prediction markets.

Using Gnosis, individuals will be able to create prediction markets for events, allowing users to buy shares of the outcome they see as most likely. The project plans to build additional services on top of the core platform to make it easier for users to interact with different markets. Third-party developers will also be able to introduce their own sentices.

Overview	Profile	
Market Cap 0	\$14.76M	
Market Cap Y2050 0	\$0.13B	
24Hr Volume	\$0.34M	
24Hr Price Change	+13.47%	
Circulating Supply 1,	104,590.00	
v2050 Supply 0 10,0	00,000.00	
% Y2050 Supply Issued ()	11.05%	
All Time High (01/05/2018)	\$461.17	
6 down from ATH	-97.09%	
Historical ROI		
week	+10.11%	
month	-33.23%	
3 months	-54.88%	
6 months	-80.49%	
l year	-87.67%	
Supply Snapshot		
Туре	Fixed	
Max	10000000	
Portion sold to market	4.17%	
Portion held by company	95.83%	
Ongoing emission type	N/A	



Supply Details

"Consisused a reverse dutch auction to sell tokens to the public in an initial coin offering. The terms of the offering were such that if enough coins were purchased quickly, less than 5% would end up in circulation immediately, with the rest held by the issuing company. Since the ICO sold out in under 15 minutes, this is what happened. LICO trausity

Parallel Industries & @parallelind - 44s

Somehow forgot to mention the relationship between GNO and WIZ.

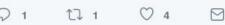
Staking rewards = cashflows = capital asset.

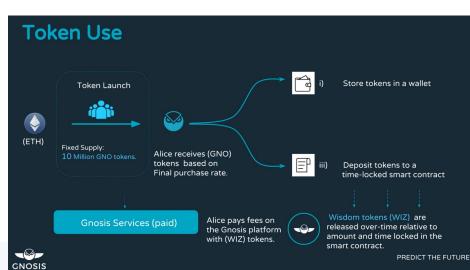


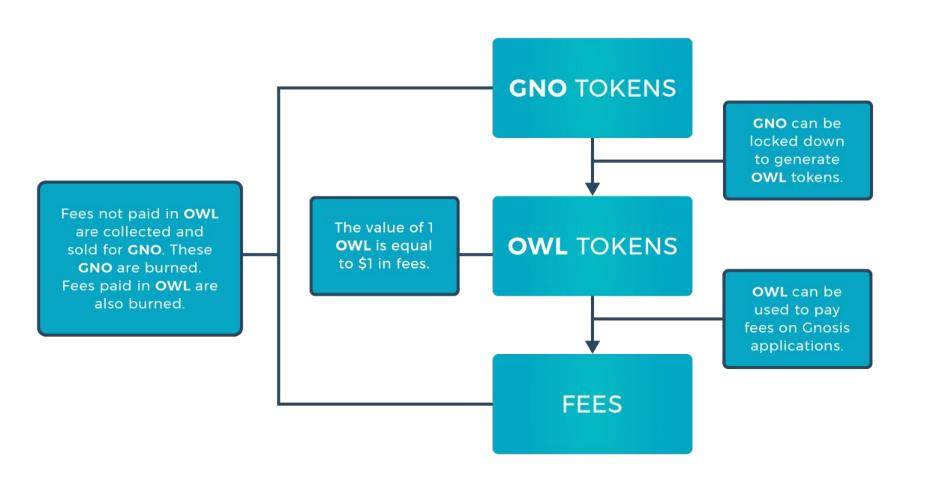


6) Intense criticism has been seen by Basis for using a similar approach.

Unfortunately, Gnosis's approach to maintaining a peg is even poorer. In their system, monetary supply does not shrink in direct response to price, but instead to fees collected by the system.



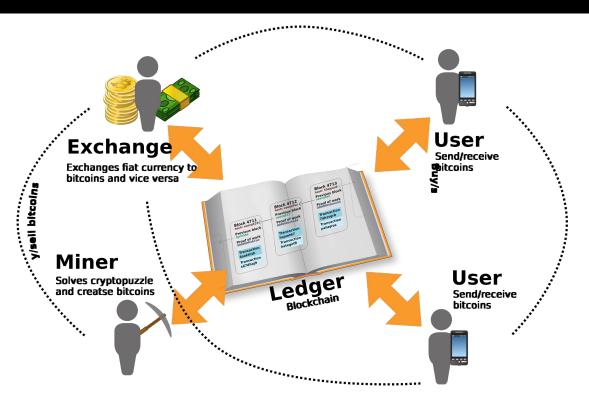




THESE THINGS...DO NOT SEEM TO BE RELATED:)

- > Why does Cryptocurrency Matter?
 Cryptocurrency, Decentralisation & the Network Stack
- > Apples-to-Apples Comparisons in a sea of Fruit Salad
- > Finding New Ways to Understand Asset Characteristics
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- > What's Next?

Network Stakeholders



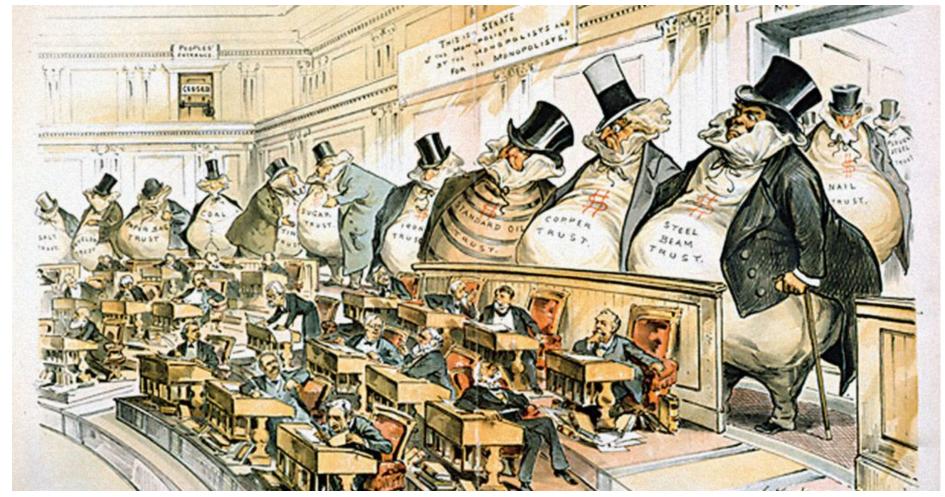




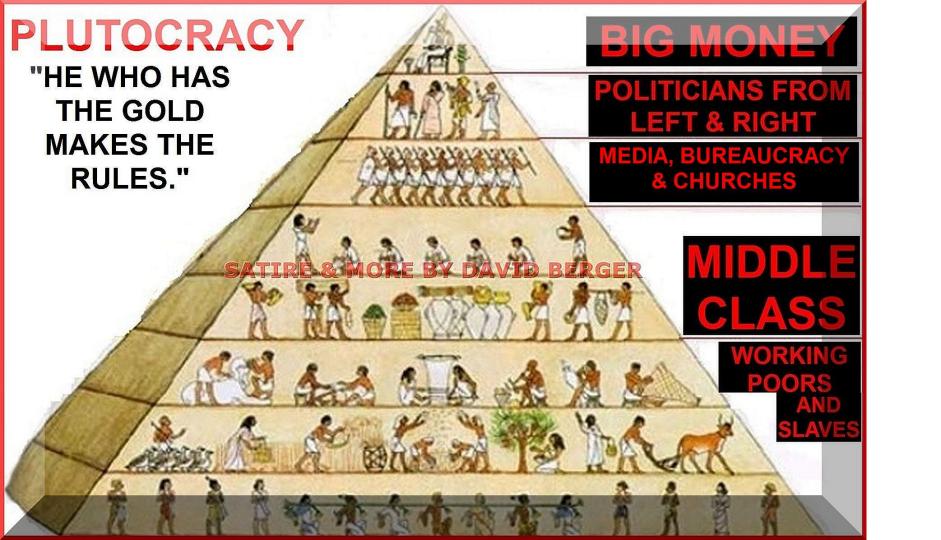




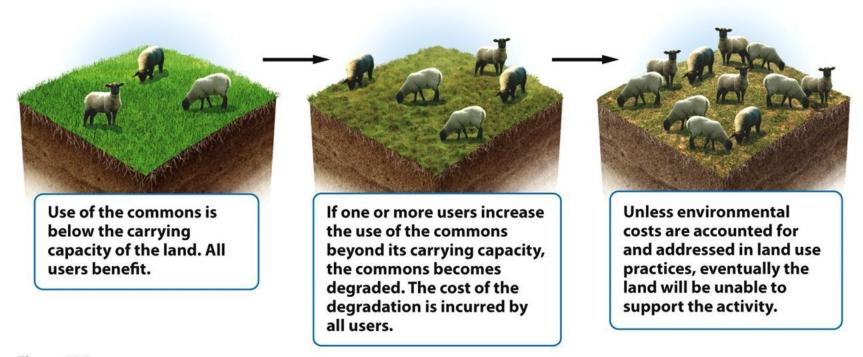
Credit: Robert McCall, Hieronymous Bosch, Lucan Cranach the Elder



Credit: Joseph Keppler,, 'The Bosses of the Senate.' Puck 1889



The Tragedy of the Commons



Masternode Network



Premium Masternodes

20,000 Pirl Collateral
A dedicated or VPS Linux server.
Static public IP Address
Run the main node, content node, and storage node binaries.
Rewarded on 1 Pirl per block for the main node,
and also respective rewards for both the content and storage nodes.

Powered by





Storage Masternodes

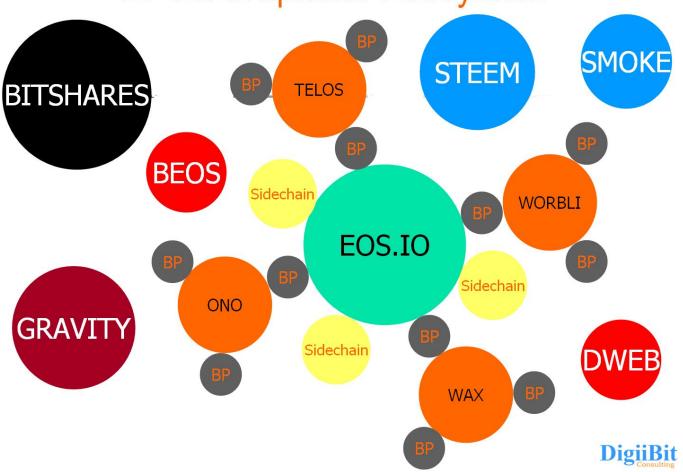
10,000 Pirl Collateral A dedicated or VPS Linux server. Static public IP Address Run the storage node binary. Rewarded according to storage space, and bandwidth used.



Content Masternodes

10,000 Pirl Collateral A dedicated or VPS Linux server. Static public IP Address Run the content node binary. Rewarded according to bandwidth used.

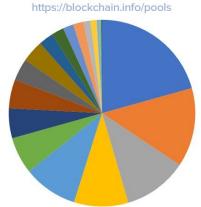
DPoS/Graphene Ecosystem



50 **WHICH VALIDATORS ARE MORE**



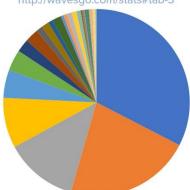
BITCOIN (POW) a,b Mining Pools 2017-10-11



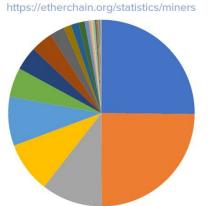
Validators (here meaning block producers) are limited by: a. full node operators choose preferred version which reject invalid blocks

b. active miners can choose to contribute hash power to a preferred pool

WAVES (LPOS) a,d Forgers by Weight 2017-10-11 http://wavesqo.com/stats#tab-3

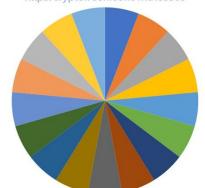


ETHEREUM (POW) a,b Mining Pools 2017-10-11



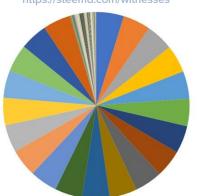
BITSHARES (DPOS) a,c,e

Active Witnesses (17, 73 Standby) 2017-10-11 http://cryptofresh.com/witnesses

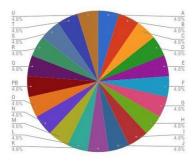


STEEM (DPOS) a,c,e

Active Witnesses (20, 68 Standby) 2017-10-11 https://steemd.com/witnesses



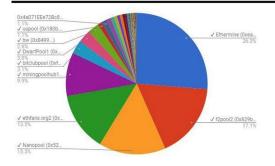
- c. stake holders choose up to 33 preferred delegates via approval voting
- d. stake holders lease stake to a single preferred pool
- e. requires more than 2/3 witnesses to agree to fork





EOS

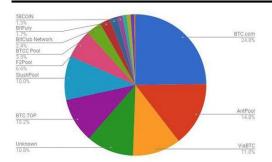
Source: EOS.IO WhitePaper 21 Block Producers





ETHEREUM

Source: etherchain.org Top Miners over last 24 hrs





BITCOIN

Source: Blockchain.info Hashrate Distribution - 4 Days



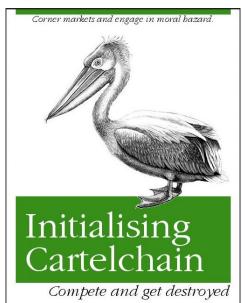
Hasu @hasufl · Sep 29

am shocked, SHOCKED, to hear that another DPoS system has converged to mafia-like cartels with collusion and bribery.

Maple Leaf Capital @MapleLeafCap

Recently, an internal excel document from Huobi (one of the BPs) is circulating in the Chinese community. This file documents the collusion, mutual voting, and pay-offs that occur amongst the Chinese BP community. I'm working on getting the file.

Show this thread



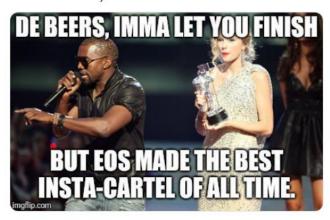




Replying to @hasufl

Been looking into governance asymmetries also and yeah this was not unexpected!

Been waiting for a suitable juncture to roll this meme out, looks like this is it.



9:53 AM - 29 Sep 2018

2 Retweets 5 Likes











THE DAO IS REVOLUTIONARY.



Build unstoppable applications

Ethereum is a decentralized platform that runs smart contracts: applications that run exactly as programmed without any possibility of downtime, censorship, fraud or third party interference.

Hacking, Distributed

A Call for a Temporary Moratorium on The DAO

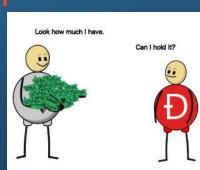
Dino Mark, Vlad Zamfir, and Emin Gün Sirer

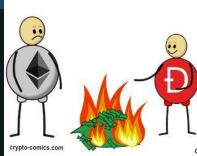
ethereum dao smart contracts May 27, 2016 at 01:35 PM

← Older

Newer →

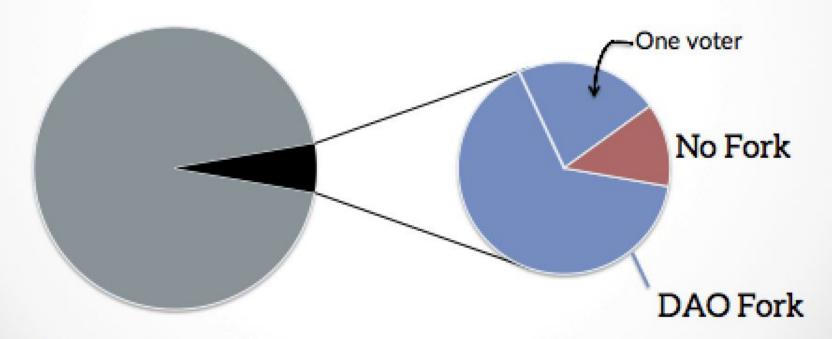
The DAO is an exciting new construct: an investment vehicle governed by a program, directed by investors' votes, to seek out and fund proposals.





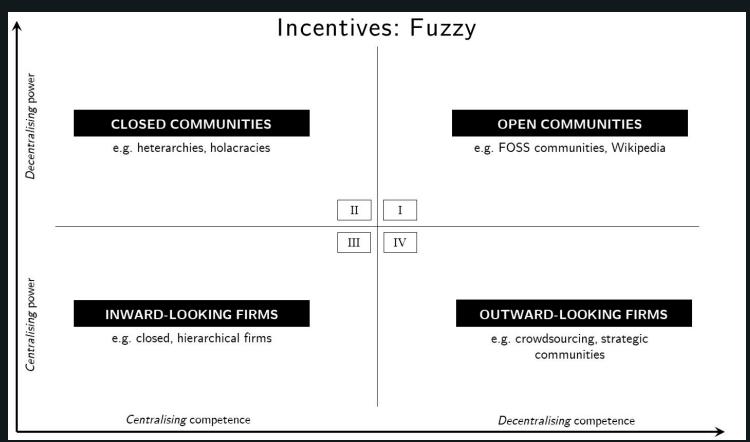
Credit: https://daohub.org, http://crypto-comics.com, http://www.ethereum.org, http://hackingdistributed.com





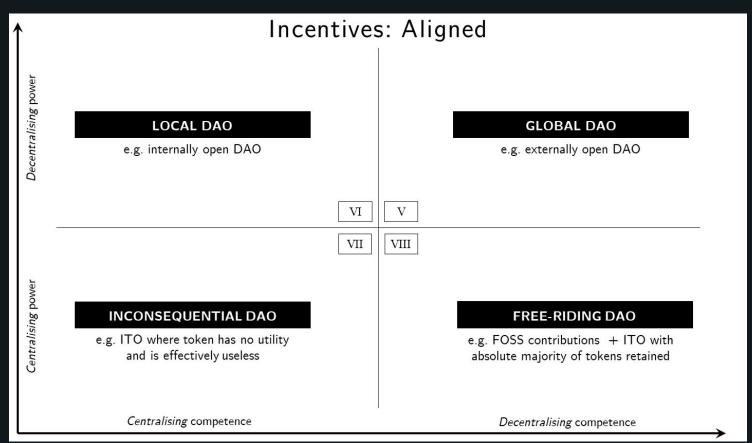
Total Ether Supply

DAOs STILL HAVE GREAT PROMISE, WHEN CAREFULLY DESIGNED & IMPLEMENTED



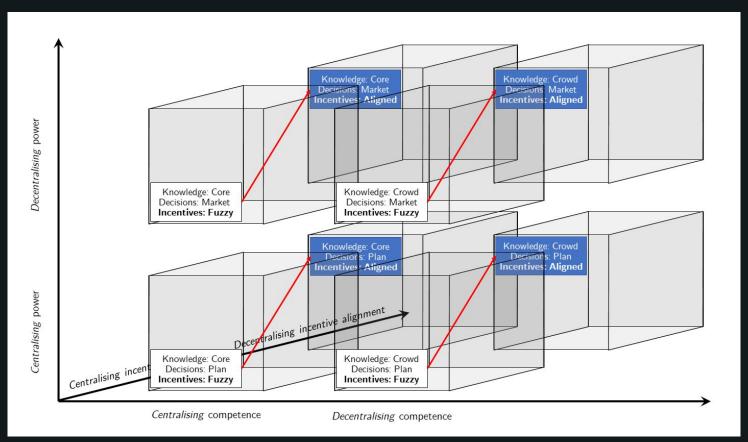
Credit: Theodor Beutel MSc Dissertation, University of Edinburgh, 2018.

DAOs STILL HAVE GREAT PROMISE, WHEN CAREFULLY DESIGNED & IMPLEMENTED



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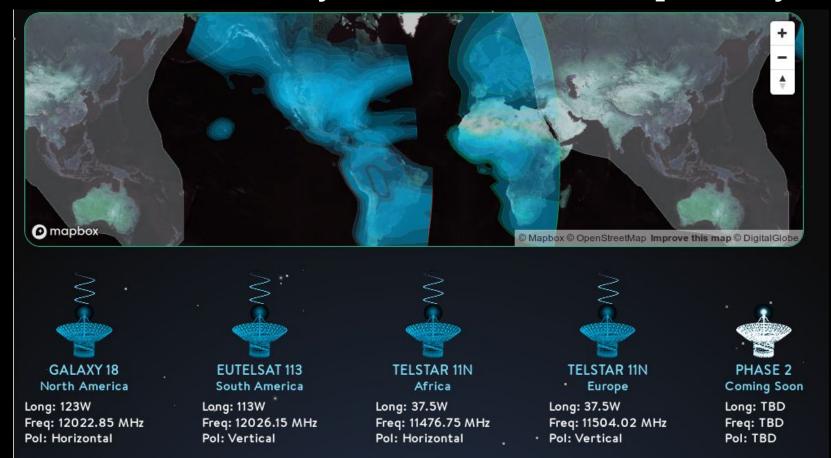
Credit: Theodor Beutel MSc Dissertation, University of Edinburgh, 2018.

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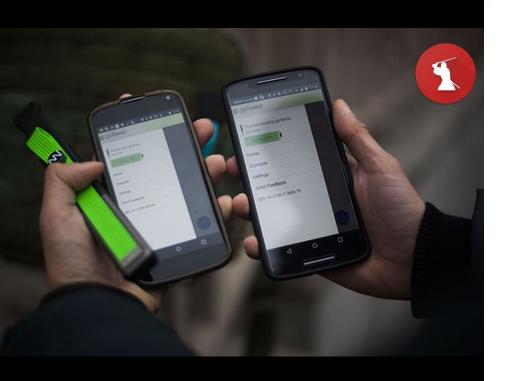
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Blockstream Satellite Network: Receive offline / sync without censorship / verify!



goTenna MESH Networking + Samourai = txTenna



- SMS relay
- satellite hook-up
- fax or any form of hard copy to character recognition
- save to external support (USB)
- Portable Document Format (PDF)
- telex
- HF audio
- Morse code
- meshNets
- NFC
- BLE
- chat apps (especially encrypted)

(Umbrella Revn)













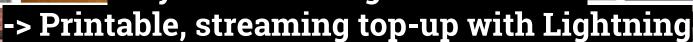






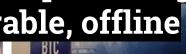








































































Tuesday 11th of March 2014 10:28:12AM

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Azteco / Bitrefill - purchase crypto at ePOS / POS ission

AZTE/CO via voucher mechanism / mobile top-up)

Go to www.azte.co to redeem your voucher right now.

Wait 70 seconds after pressing redeem.

If you experience any problems redeeming your voucher, please telephone and we will assist you.

Please retain your voucher ** *** ***** ******

Redeem Your Azteco Bitcoin Voucher

Enter your 16 Digit Voucher Code:

four — part — code — here

Bitcoin address:

Paste your Bitcoin address

I, Robot?

| rm not a robot | receptor | recep

Help / About / Buy a Voucher



available. So incredibly cool. Grateful for them.









THE NATURE OF MIGRATION TODAY

Inequality, oppression & insecurity at home
Perilous journey
Uncertain route & destination
Different countries, different fiat / Remittance cartel
Extortion, coercion, confiscation very common
Intermittent access to technology

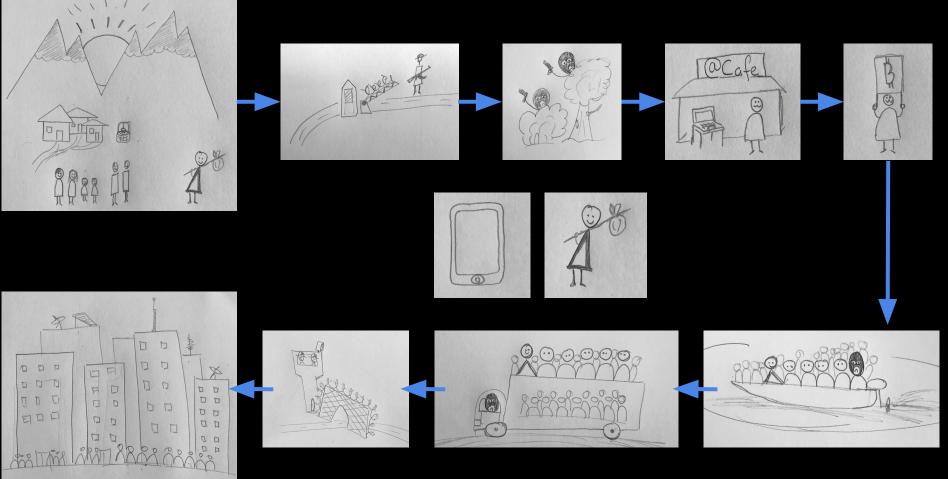
→ More accessible Bitcoin wallets needed

WHY BITCOIN? DOES THIS NEED A BLOCKCHAIN?



Political & Economic Oppression
Censorship / Extortion / Confiscation

MIGRANT JOURNEY



IT'S DANGEROUS TO GO ALONE! TAKE THIS.









(HOME) بیت "BAYT"

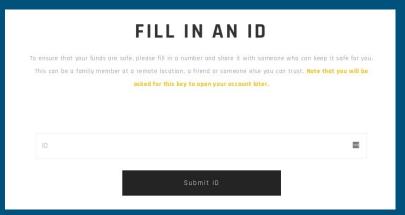
A simple web wallet Minimal technology requirements Personal Q&A generates privkey Drip-feed funds to migrant → Minimise extortion / confiscation

(play with our demo @ Table 4 at the back of the room) http://web.tecnico.ulisboa.pt/~ist186428/chainhack/

"BAYT" WEB APP SCREENSHOTS



	WHA	T IS YO	UR CON	ITEXT?
ΙF	YOU ARE THE		HE REFUGEE, PLI	EASE CLICK ON THE
I F	YOU ARE THE			HE REFUGEE BUTTON
		Family	Refugee	



(play with our demo @ Table 4 at the back of the room)
http://web.tecnico.ulisboa.pt/~ist186428/chainhack/

SECURITY / TRUST MODEL RELAXATIONS

Censorship Resistance > Security Imperfect entropy in privkey gen **Hub & Spoke** Web wallet **Insecure devices**

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BTC: 1GgUDrQvdycsr473eMJQZq4GYTgGUdJQfn

ETC: 0x9ec1e3aa7b7428dfa9d22685c33267d90afa2c80 ETH: 0x3c260b1b53dbc122068b98da7a7c196df4dc1211

DOGE: DKPYfbidZUqmcCa79rT5ZBh92RoqQNv4WR

LTC: LTGS78HRTJbSEo7Y5PxYXj1XE2ZYPh3NM5 ZEC: t1LktPAdT6bTuNTgQt97JZRRKXfq6cit3bt

2.2 Research Methods and Resources

This work has relied on numerous primary and secondary data sources as cited in the text. Blockchain analytics of BTC, BCH, ETH, ETC, XMR, MONA, ZCL and BTCP was achieved through the use of block explorers Blockchair.com, Blockchain.info, Etherscan.io, Etherhub.io, Bchain.info, Monerohash.com and Bitinfocharts.com with data exported in CSV or JSON formats. This was imported into the statistical computing suite RStudio (built upon R) for cleaning, treatment, analysis and visualisations. Network-wide observation and inference was conducted using publically available sources Coin.dance for node count and implementation versions for BTC and BCH, Crypto51.app for ZCL and BTCP network hashrates, Doublespend.cash for malleated transactions on BCH, Coinmetrics.io for high-level network heuristics and Onchainfx.com for networks' token price, supply issuance and monetary policy.