Money as technology

Bitcoin as disruption

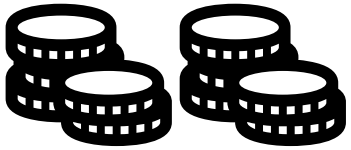
Leo Mattes

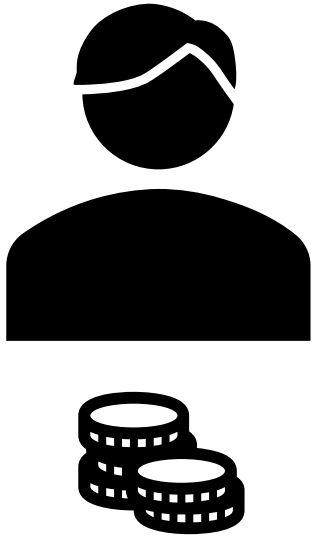
Money is not only a social construct but also a basis-technology

There are a lot of currencies – but money is what people choose

What are the main functions of money?

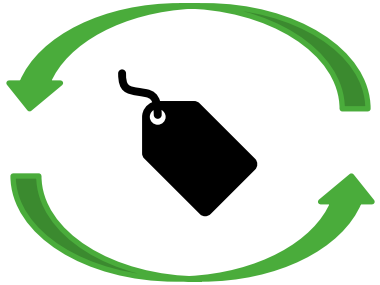
Store of Value

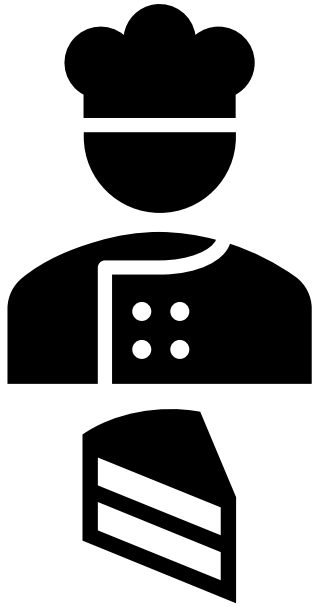


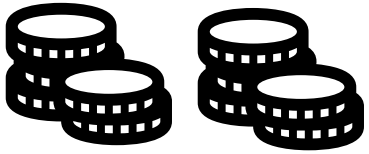


Medium of exchange

Unit of account





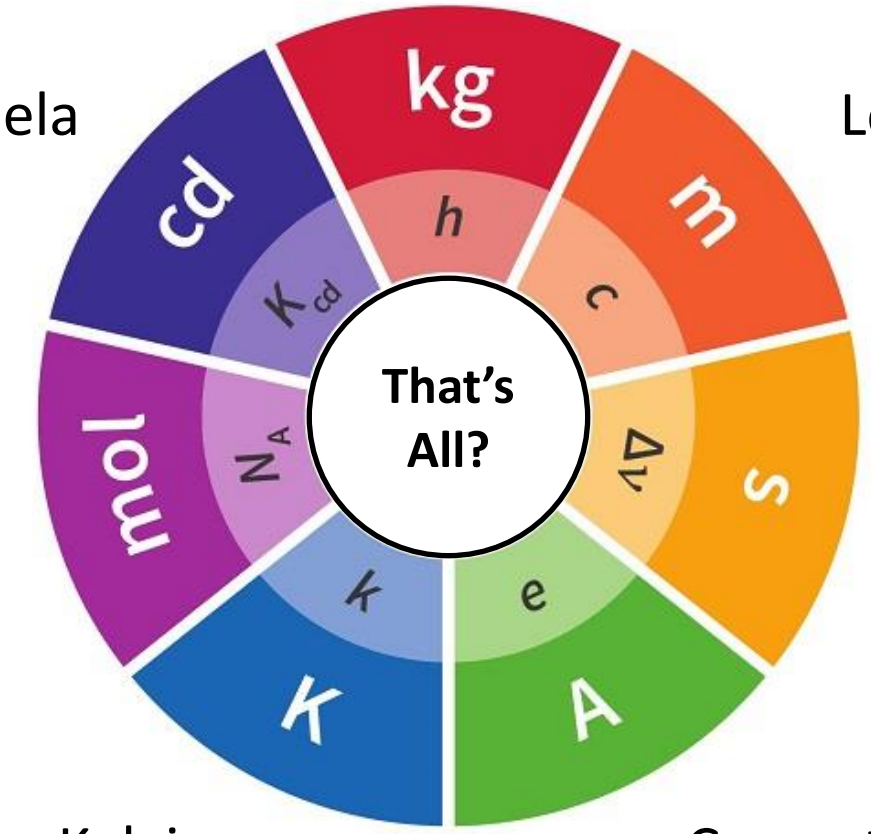


International System of Units as standardized measurements

Mass - Kilogram

Luminous Intensity - Candela

Length - Meter



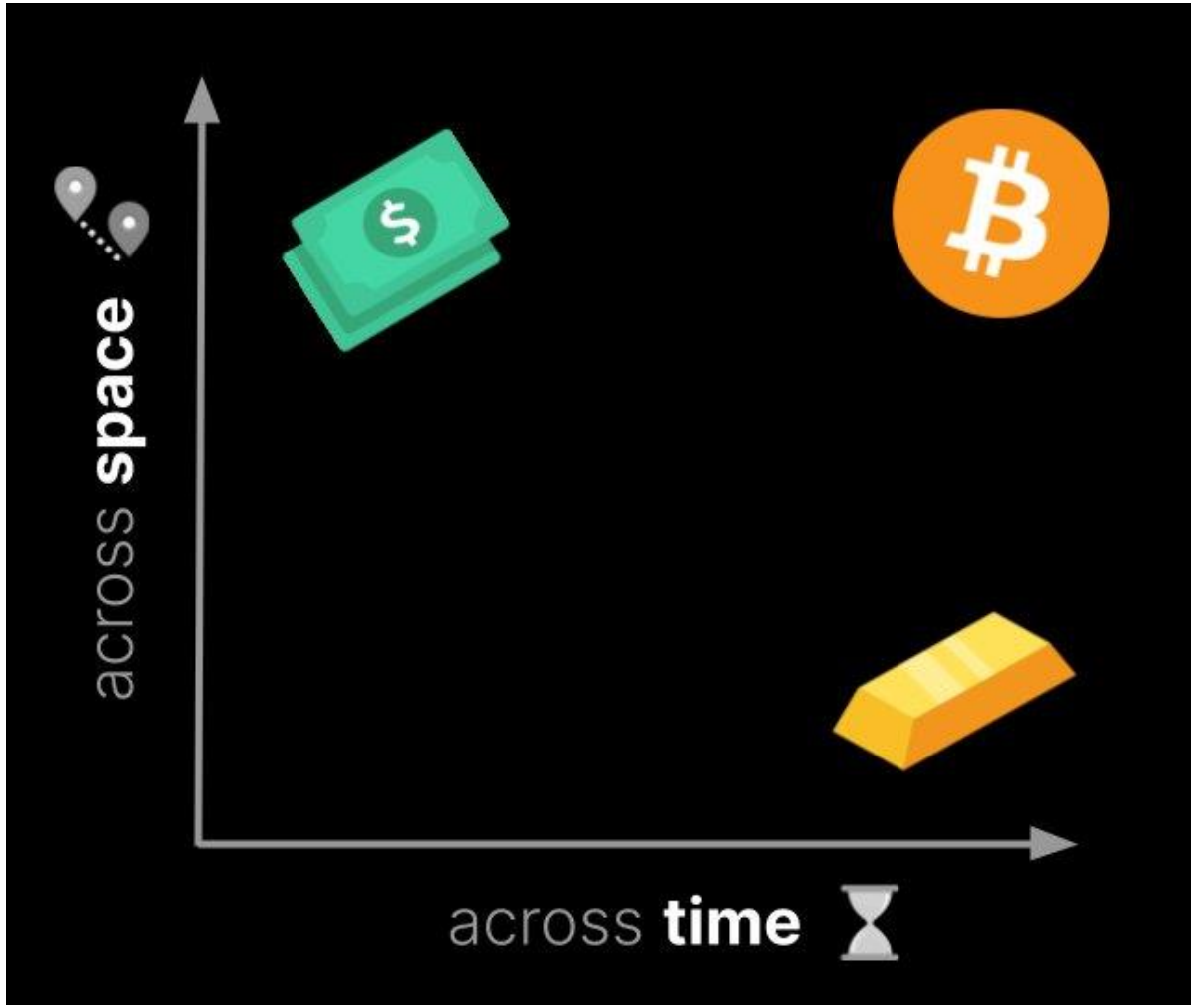
Amount of Substance - Mol

Time - Second

Temperature - Kelvin

Current - Ampere

Bitcoin as the evolution of money: absolute digital scarcity



What are requirements for a “good” money?

- **absolute scarcity**
- **digital**
- divisible
- transportable
- borderless
- permissionless
- decentralized
- open-source
- encrypted
- no change

Decentralized – no single point of failure

Node:

- Stores decentral the whole Blockchain (~400GB)
- Verifies all transactions
- No central entity, no single point of failure

Very simple monetary policy – rules, not rulers

total # of halvings to ever occur

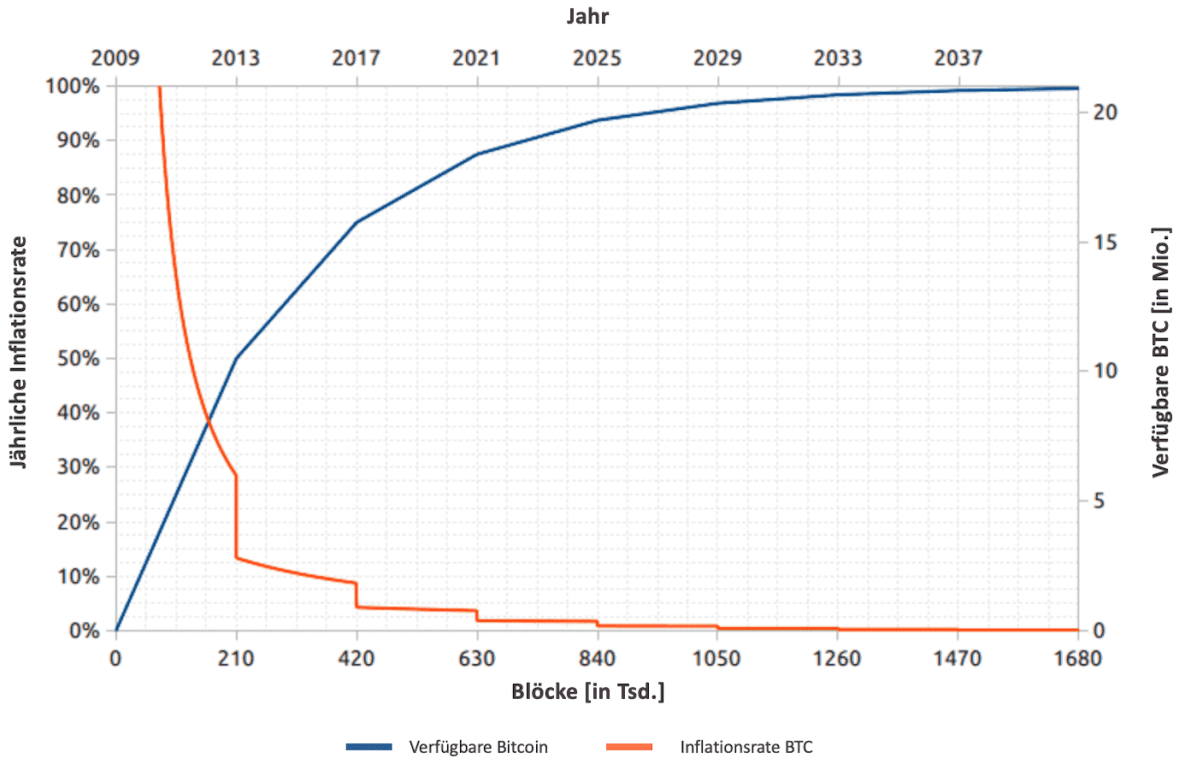
# of new bitcoins issued per block

$$\sum_{i=0}^{32} 210{,}000 \left(\frac{50}{2^i} \right)$$

# of blocks between halvings

cumulative # of halvings so far

@anilsaidso



Proof-of-Work as consent mechanism and governance structure

Mining:

- „Creating money can not be free“
- Incentives to secure the network (block reward + transaction fee) and it‘s scarcity
- Risk & reward approach builds a good governance

Money as pure information – real ownership

Bitcoin Address

SHARE

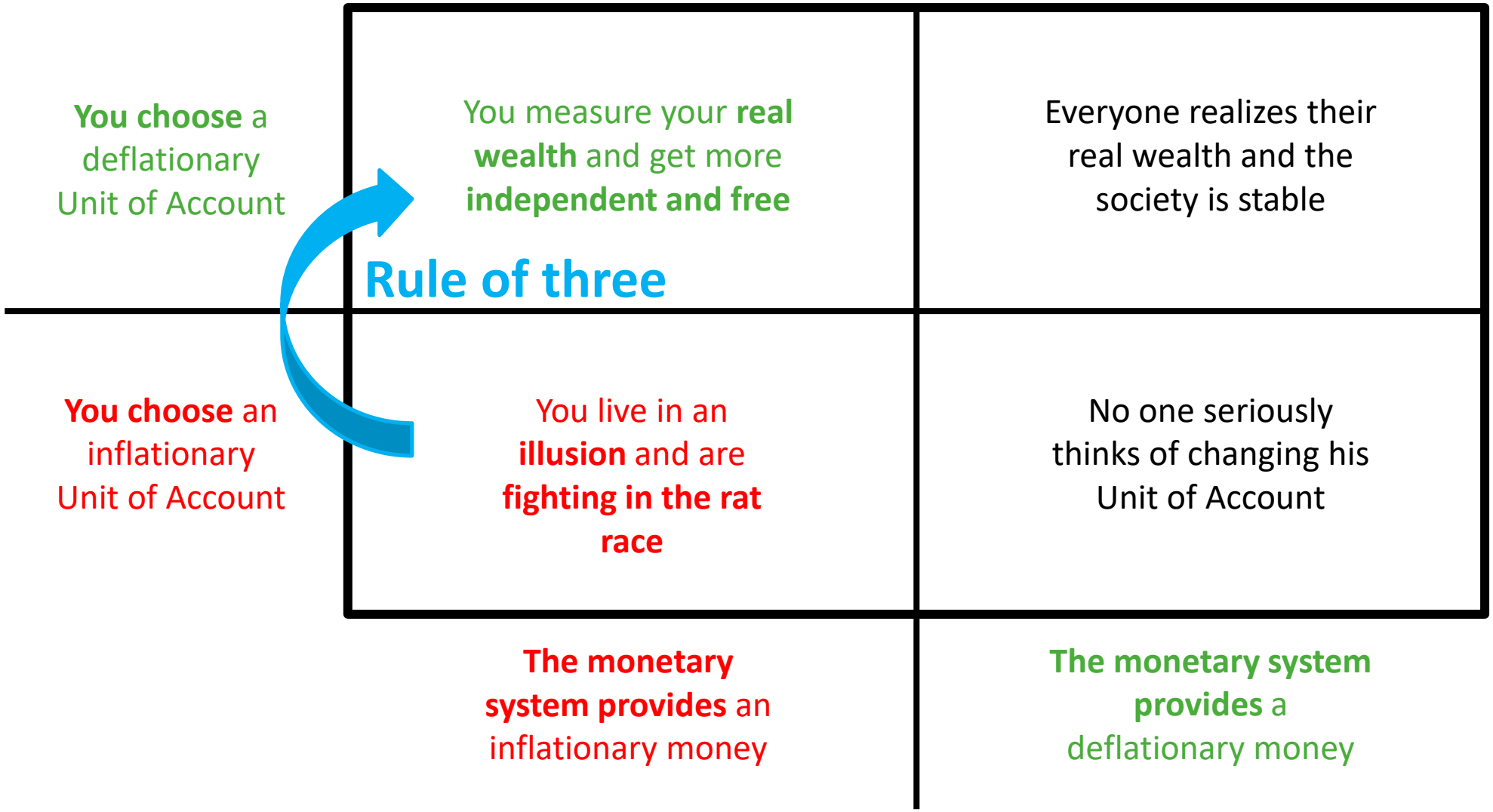
1F2zD5ihusVNDFLsBueKsq3ZJ47Rvnfmds

Private Key

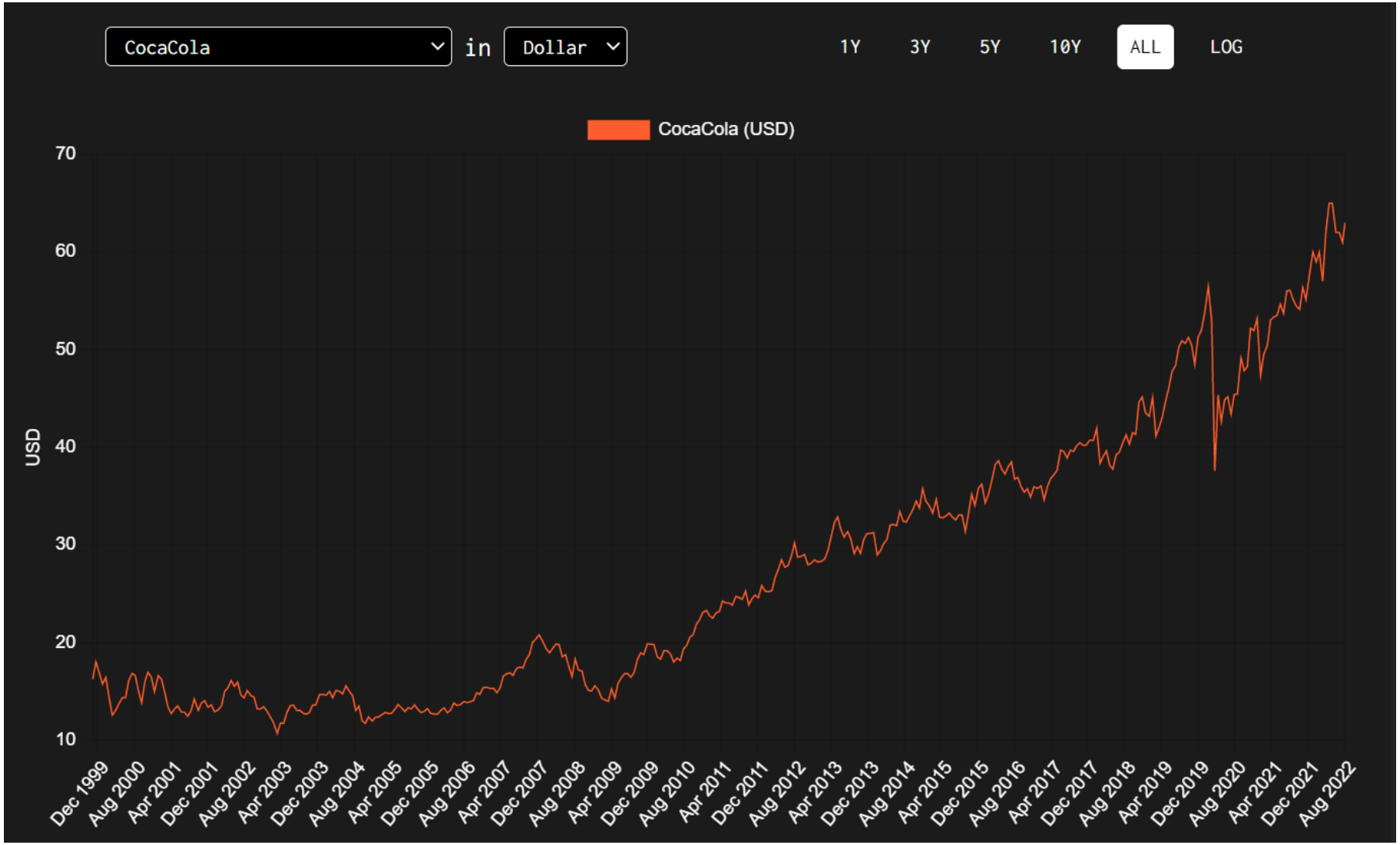
SECRET

L1yaxTsR8ndxghKUAtrf1dmHeo6p1zNRwXy3zyYdyABnVNVATJUv

Fix your money with the rule of three



FixYourMoney – The search for a deflationary worldview



FixYourMoney – The search for a deflationary worldview

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www.FixYourMoney.space

Implications for society with a deflationary perspective

- Incentive to save
- Incentive to think long-term
- No single entity can create money or manipulate the interest rate
- Real ownership through money as pure information
- Decentralization is possible and leads to alternatives
- Profit and serving the customer is necessary to survive
- No manipulated price signals for production
- Competition for the best solution
- Technical deflation and productivity gains for everyone
- Sustainable society through risk and reward on resource management

Rethink the matrix you were born into

Money as technology and it’s requirements

Absolute digital scarcity

Unit of account fixed to a constant

Real ownership

Fix your money – fix your world

Money as technology – Bitcoin as disruption

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