



To improve agribusiness so profoundly,  
traders won't go back to the old ways

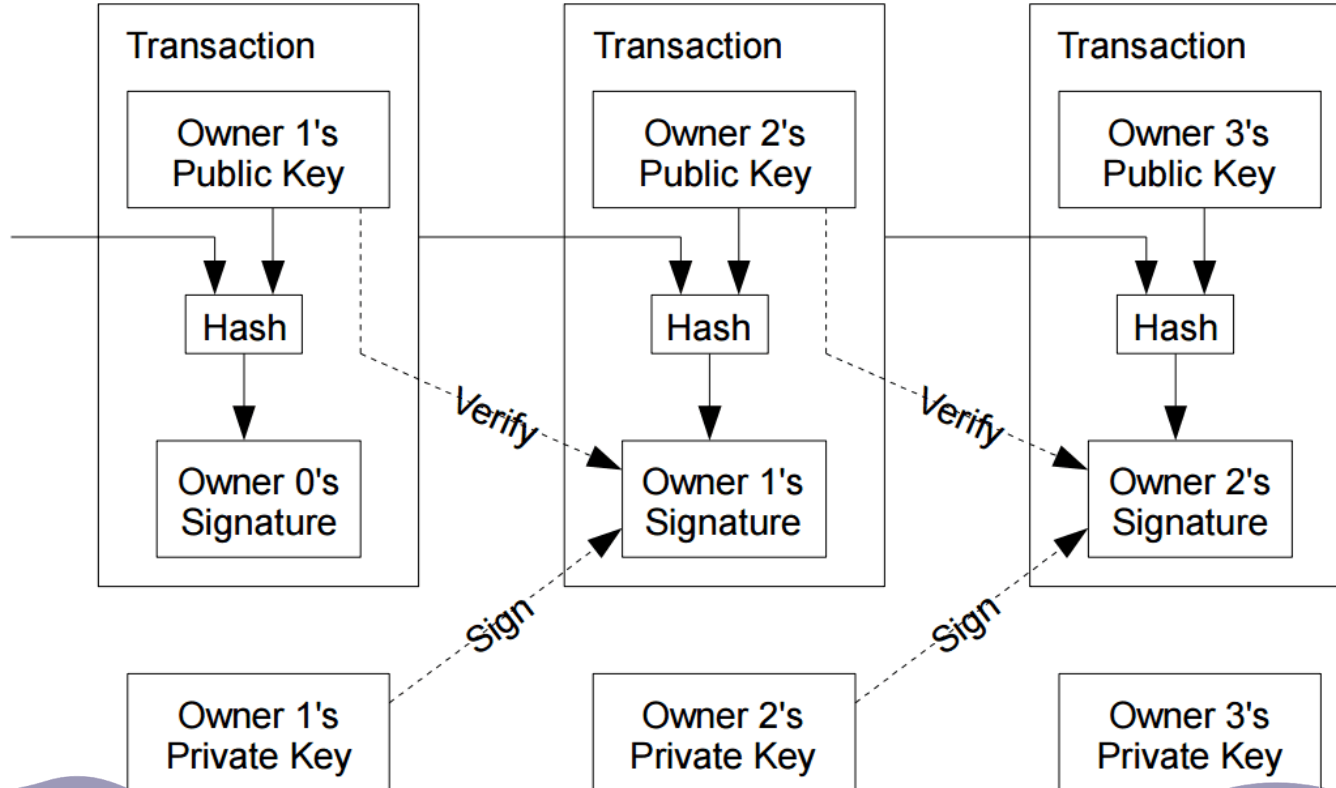
Andrei Grigorov, Robert Zaremba



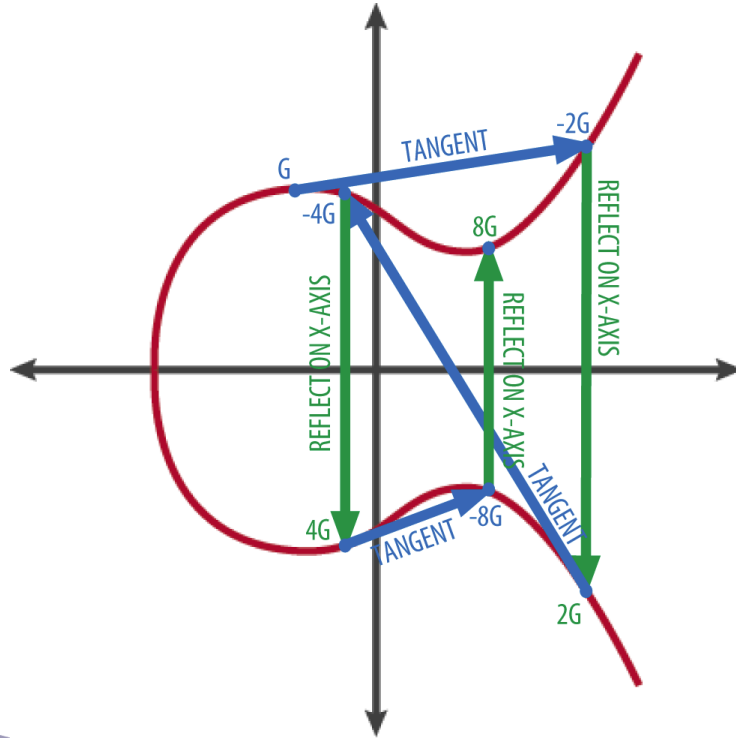
More than just cryptocurrency.  
The advent of blockchain for business.



# What is a blockchain?



# What is a blockchain?

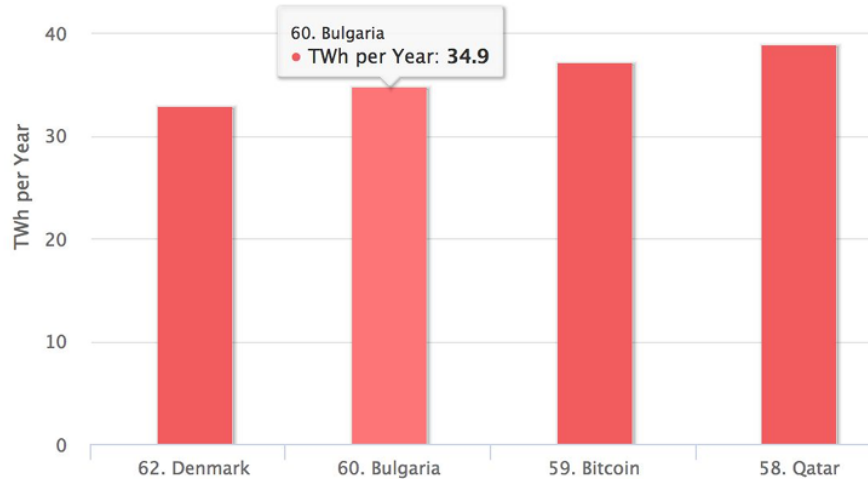


$$x_3 = \begin{cases} \left( \frac{y_1 + y_2}{x_1 + x_2} \right)^2 + \frac{y_1 + y_2}{x_1 + x_2} + x_1 + x_2 + a & P \neq Q \\ x_1^2 + \frac{b}{x_1^2} & P = Q \end{cases} \quad (14)$$

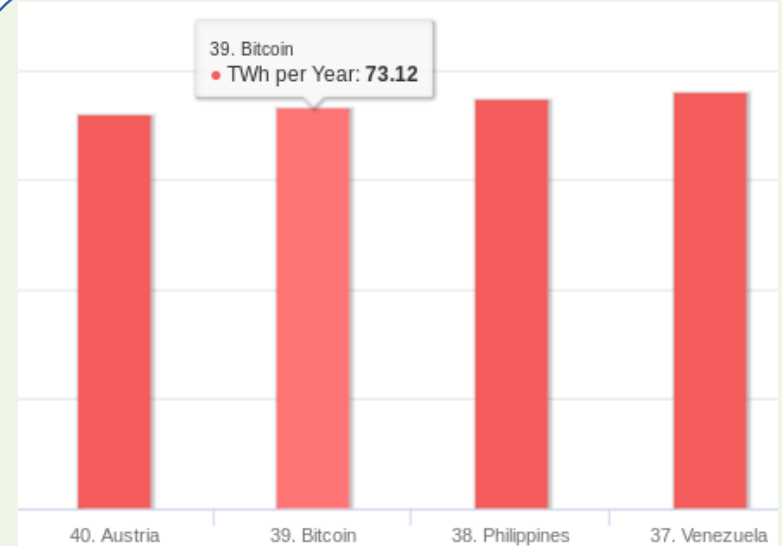
$$y_3 = \begin{cases} \left( \frac{y_1 + y_2}{x_1 + x_2} \right) (x_1 + x_3) + x_3 + y_1 & P \neq Q \\ x_1^2 + \left( x_1 + \frac{y_1}{x_1} \right) x_3 + x_3 & P = Q \end{cases} \quad (15)$$

# Bitcoin uses terrible amount of energy and is slow

End of 2017



Now



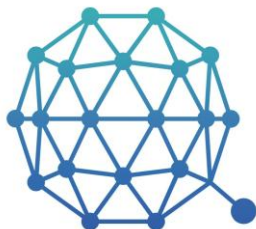
## Blockchains



ethereum



STELLAR



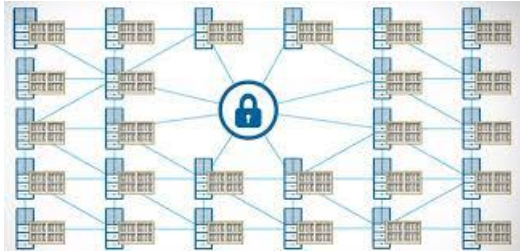
Qtum



HYPERLEDGER

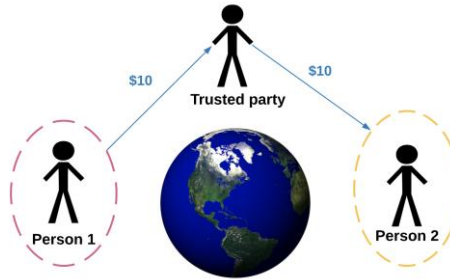
# So what is a blockchain?

## Ledger



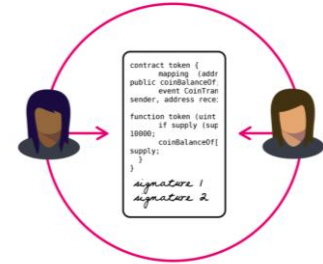
- Prove of all transactions that have ever been executed
- Un-tampered, Secure, Can be encrypted

## Trustless



- Trust in people isn't required
- Trust is inherent to the system
- Disintermediation

## Smart Contract



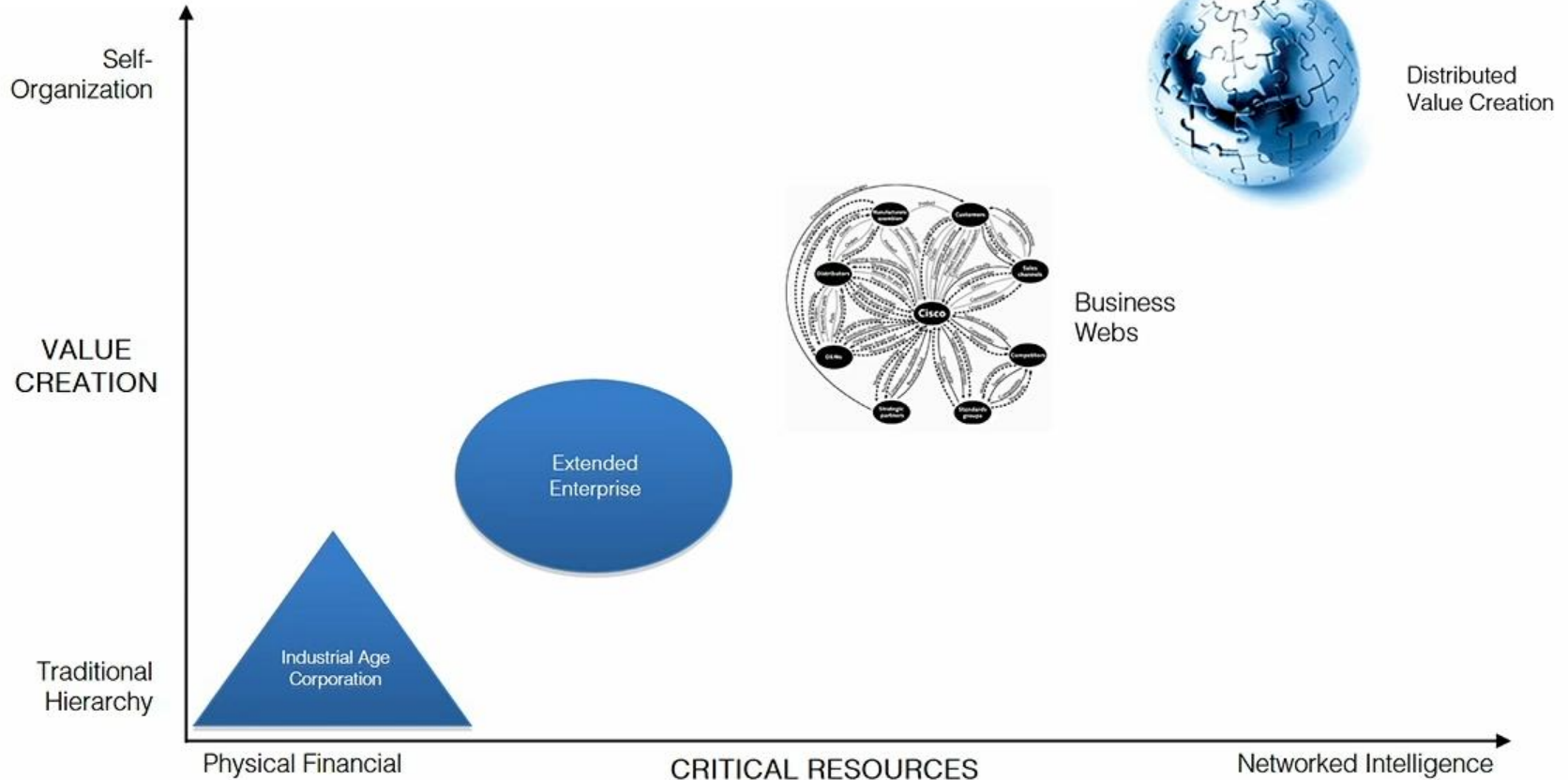
- Program to facilitate, verify, or enforce the performance of a contract
- Autonomous, Self-sufficient, Decentralized

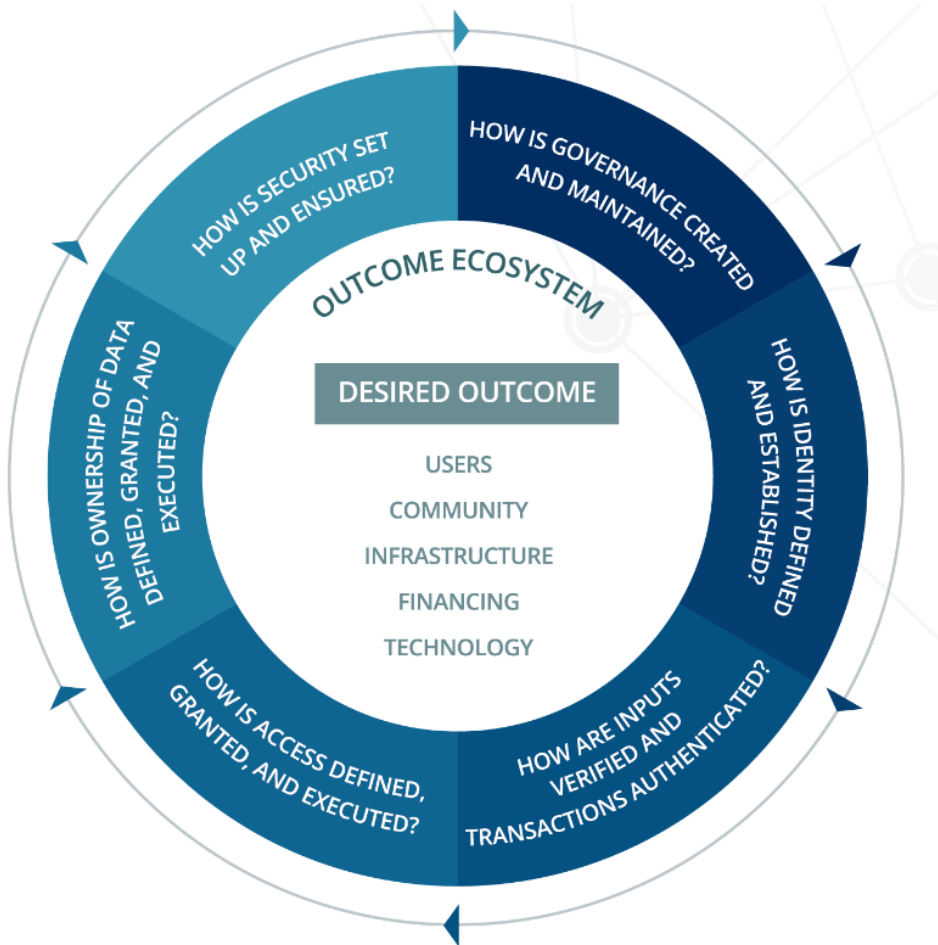
# Reality

The global financial networks and ecosystem are in urgent need of an overhaul of infrastructure and architecture



# Internet of Value





## Crypto world

- Internal & external transactions
- Digital Assets
- Assets tracking
- New currencies
  - Stable coins
- Digital Identity & Authentication
- E-governance
- Utility tokens

DEFINE THE PROBLEM  
AND DESIRED OUTCOMES

IDENTIFY THE  
ETHICAL APPROACH

ASSESS THE  
OUTCOME ECOSYSTEM

DETERMINE THE  
DESIGN PHILOSOPHY

**DECISION POINT**

DETERMINE IF BLOCKCHAIN  
IS AN APPROPRIATE  
TECHNOLOGY

## Is blockchain a viable option?

- Economy Impact vs Social Impact
- Scam vs Problem Solver
- Blockchain application
  - 30% Banking and Finance
  - **13% Government and public goods**
  - 12% insurance
  - 10% (IT and professional services)
  - 8% Healthcare
  - **8% Entertainment**





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