

TRansaction-Accelerating Interoperable Network

CHALLENGING MONETARISM AND ENHANCING ECONOMIC STABILITY THROUGH AN EXPIRING TRANSACTION DLT SYSTEM

SPEAKER : Vincenzo Di Perna, PhD student, University of Urbino

Crypto-phenomenon



Context

20000+ cryptocurrencies

Rapid value fluctuations

Lex cryptographia

Consequences

Illegal activities and hesitant adoption

Volatility and stability

=>

Dispersion

Economic collapse prevention

□ "Holder" effect

Implications of the time factor in an economic system



□ Interest rates

□ Futures

Time

Certificate of deposit (CD)

Bonds

"...Generally, <u>time</u> affects decision-making processes, resource allocation, production cycles, market dynamics, the value of money, inflation, the concept of present value, the planning of future economic conditions, investment strategies, the evaluation of risks and opportunities, and impact the timing of transactions..."



Can time help achieve better stability in an economic system, particularly a crypto-ecosystem?

Can time serve as train mechanism for the circulation of its economy?

Problems

Under the hood...

- □ Individual vs Collective strategy
- □ Brake on the economic cycle
- Institutions perpetration
- □ Imprisoned (real) purchase value
- □ Power of "few"
- Monetarism

TRansaction-Accelerating Interoperable Network



Expiring token

□ No-pegging

Proposal

□ Financial planning

□ Support of regulators



Italian Basic Income system - Reddito di cittadinanza

Distributed to all citizens who meet certain criteria

□ 30-day expiration token

Use-case

□ Authorizes specific product categories (necessities) purchases

□ Responsibility (as metrics) to get more



□ Unlocks economic power

Economic democracy

Goals



D Economic system goal:

"...to provide a solid and <u>sustainable</u> foundation for the <u>exchange</u> of goods and services. This may involve balancing wealth creation and its <u>fair distribution</u>, innovation, price <u>stability</u>, safety, trust, and <u>universal access</u> to such systems, aiming to create a healthy and <u>prosperous</u> environment..."

TRAIN

Implementation

Entities

□ Timed wallet □ Users □ Network (P₂P) □ Timed transaction DLT1 on-chain □ Network-DLT □ DLT₂ off-chain □ Banks

Tokens

□ TimeCoin □ 1Timecoin = 1 day □ WeightToken □ Expiring □ ValueCoin □ 10 ValueCoin = 10 FIAT OR

Io ValueCoin = x FIAT * conv.Rate

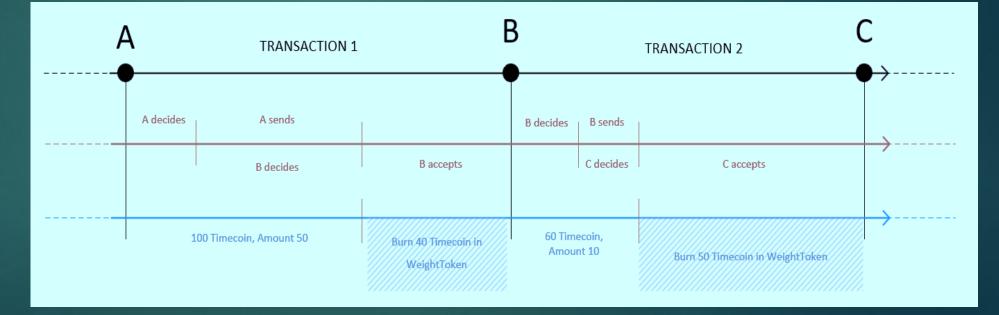
Transaction Process

User specifies its amount and expiration

- Decide and move" mechanism
- Burning TimeCoin / Generating WeightToken

Implementation

TRAIN



Participation



ValueCoin

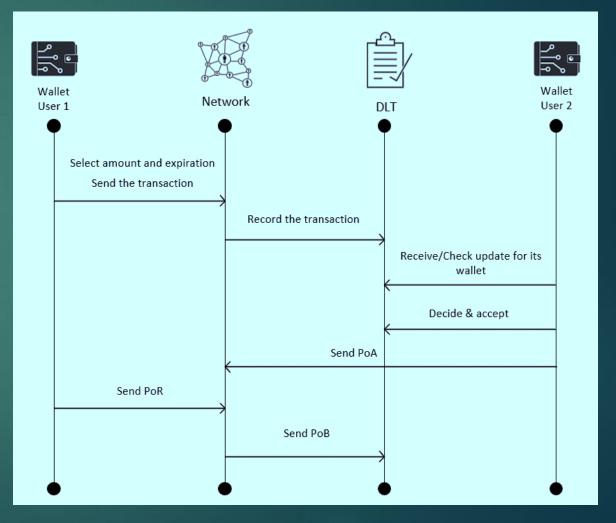
Creation of a time-based wallet

□ TimeCoin

Implementation

Network

Additional DLT layer
Proof of Acceptance (PoA)
Proof of Receipt (PoR)
Proof of Burn (PoB)



Time



Ecosystem value tied to transactions timing

Mechanisms

User-Weight and Incentives

Spends earlier, higher reward
 Amount exchanged (relatively) independent
 Weight token

The burning factor



□ Regeneration

Fully diluted market cap

Avoid user friction

Mechanisms II Return to a state of "availability"

Preventing inflation

Encouraging faster execution of transactions

Reducing the amount of currency in circulation

□ Fast and efficient

□ No gradual release

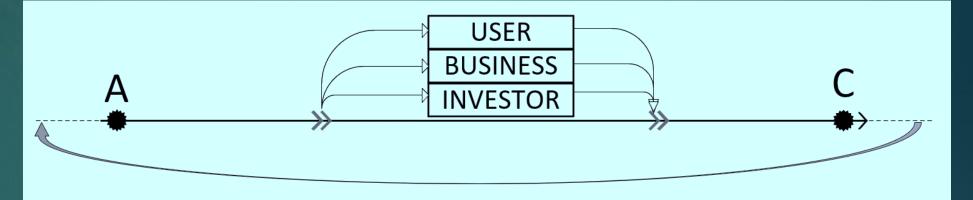


Stability through a time-based token system

Planned decisions

□ Increased economic activity

Expected Advantages



Prevents dispersion

□ Fully diluted market cap



Urgency to spend & overspending

□ Financial stress

Challenges

Participation and contribution

□ Grouping transactions

Identifying toxic transactions

Facilitating the circulation of the economy

□ Time management policy

□ Reversibility



□ New frontier

Time based consensus algorithm

Prospect & Conclusions

Rewards users participation

□ Offers a more equitable and accessible system

□ Clarity, transparency, adoption, and use will be the key factors

Promoting a stable economic environment

Thanks for your attention

