



# Decentralizing Economic Opportunity

***Crypto at Work in  
Emerging Markets***



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**1.7B**

people live in  
countries where  
inflation outpaces  
wages

**1.4B**

adults remain unbanked

**617M**

global crypto owners  
as of today

# What is decentralized economic opportunity?



**Permissionless  
access**



**Local empowerment >  
grassroots growth**



**Resiliency &  
adaptability**

# The costs of legacy financial systems & fiat money are passed down to the people.



**Cost of  
Administration**



**Cost of Risk  
“bad borrowers”**



**Cost of doing  
business**



**Hard to access Web3.**

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**Hard to buy crypto.**

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**High cost of experimentation.**

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**Hard to build products of real use.**



**Simple, mobile native solutions.**



**100 million stablecoin holders.**



**Built for communities, for real needs.**



**Public blockchains for financial access**

**Lower and  
middle  
income  
countries are  
driving  
crypto  
adoption**



**India,  
Nigeria,  
Indonesia**

Fastest growing crypto  
Markets

**15 of 20**

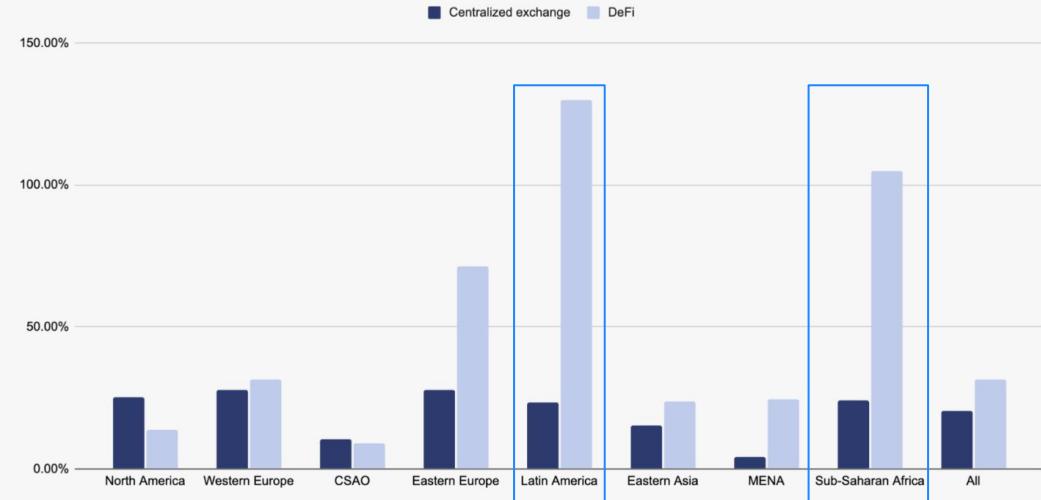
Countries driving growth  
qualify as low income

# Decentralized systems & currencies are leading the way



Year-over-year growth of crypto activity by category type and region

Jul 2022 - Jun 2023 vs. Jul 2023 - Jun 2024



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Grassroots  
Economics



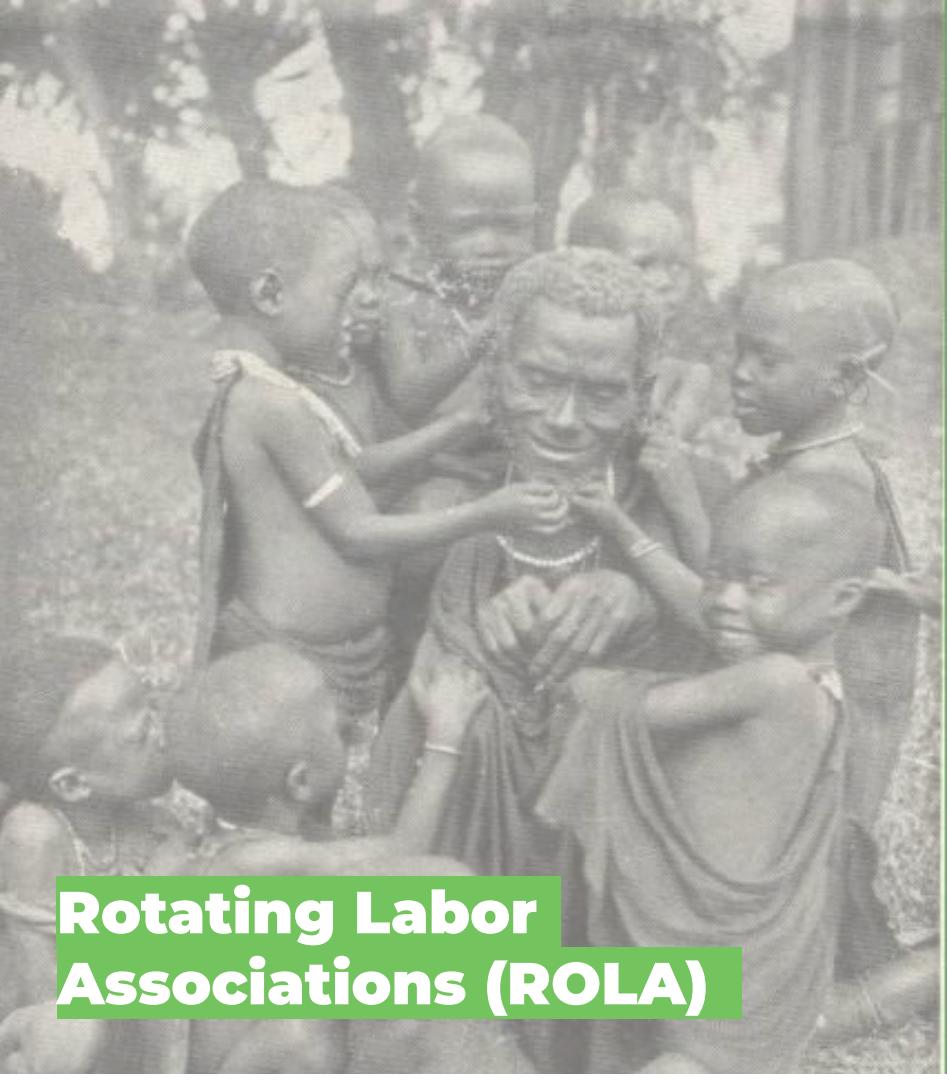


# **How to heal a post-colonial legacy of torn communities and ecosystems?**



**How do we enable  
communities to create,  
scale credit?**

**How does this enable  
wealth creation to stay  
within the community?**



## Rotating Labor Associations (ROLA)



# **Juno Moneta**

## *A Roman Tradition*



### **FORCED Economic**

#### **Imperialism**

Fiat Dominance

Open Markets

Revenue Collection

Cultural Suppression

Export Focus

Dispossession

### **Resource Coordination**

#### *Proto-Social Traditions*

### **SHARED**

#### **Economic Commons**

Synergistic Commitments

Harmonious Flow

Accountable Systems

Reciprocal drawing Rights

Ecosystem-Regeneration

Democratic Stewardship



# Communities have assets beyond the Capital they hold



Social



Human/Spiritual



Governance



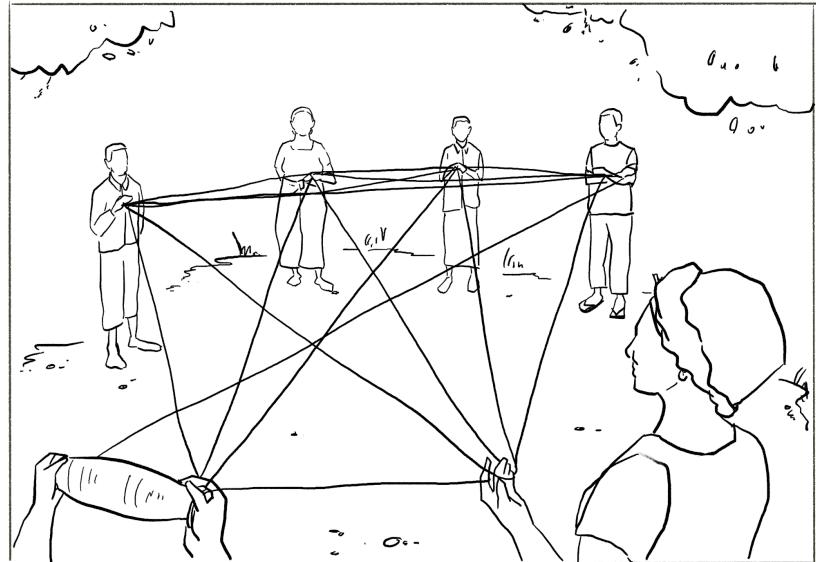
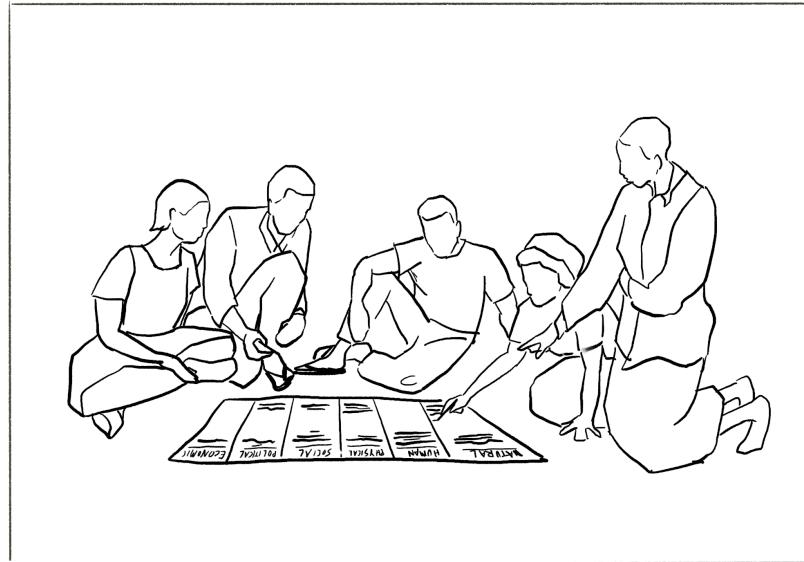
Natural



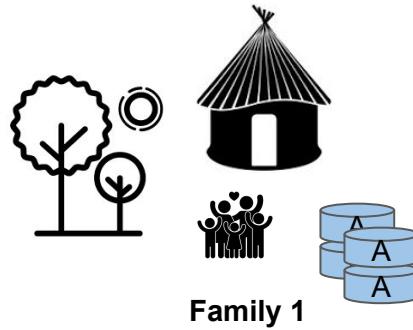
Infrastructure



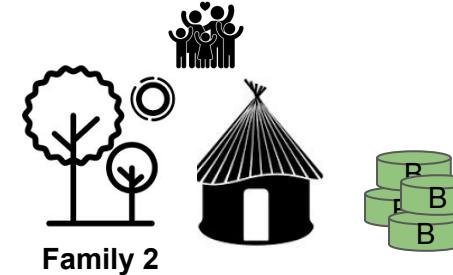
Economic



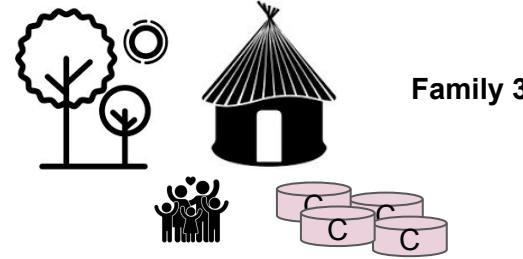
**Three families create commits  
worth four days of their own  
services**



Family 1



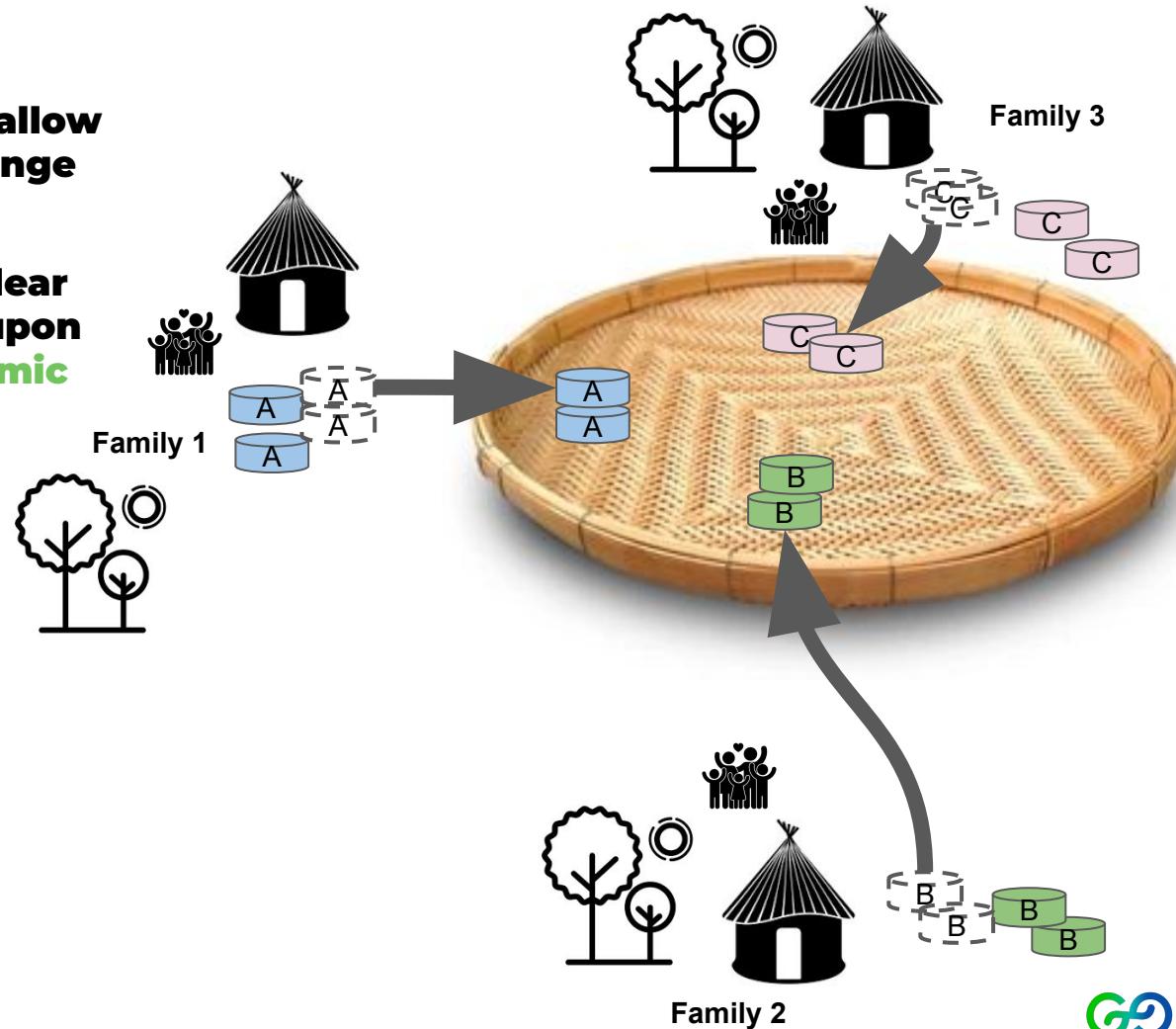
Family 2



Family 3

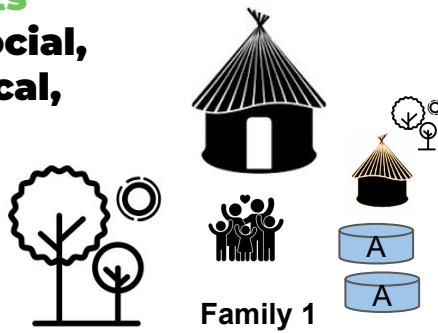
**Each family pools their commitments together allow accountability and exchange**

**Their commitments are clear and known with agreed upon rules - creating an Economic Commons**



**Their Financial Assets have come back to balance.  
They can now begin again with no debt**

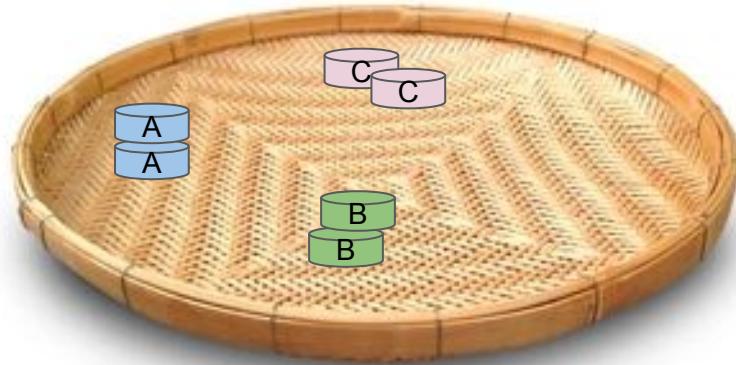
**Their Community assets increased: Physical, Social, Human/Spiritual, Political, Natural**



Family 1



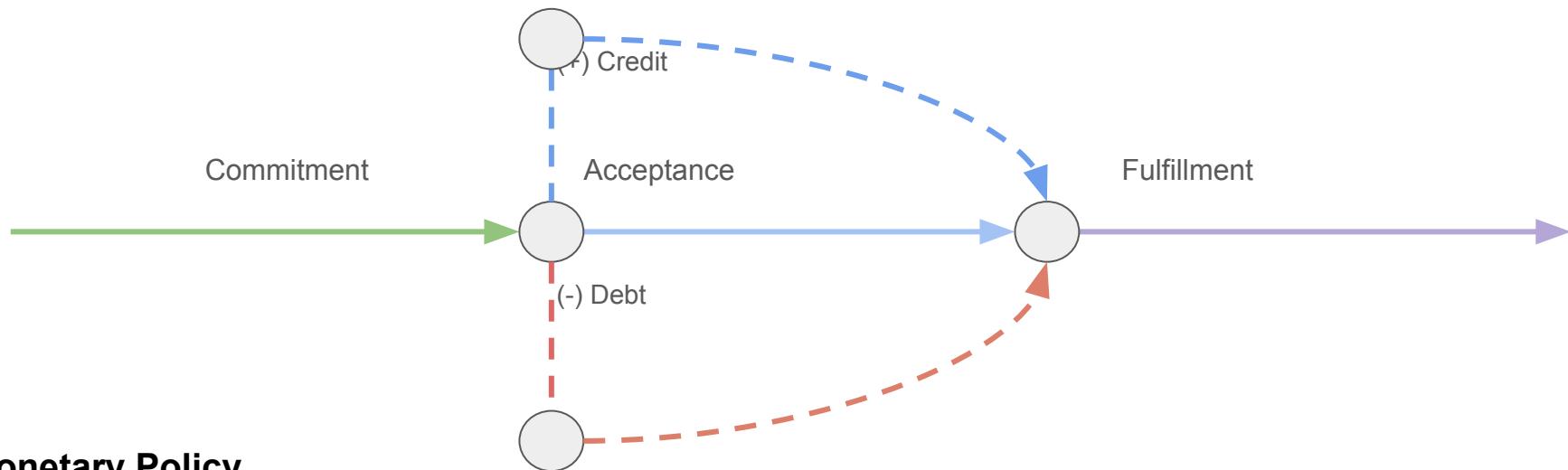
Family 3



Family 2

## Community Asset Vouchers (CAVs)

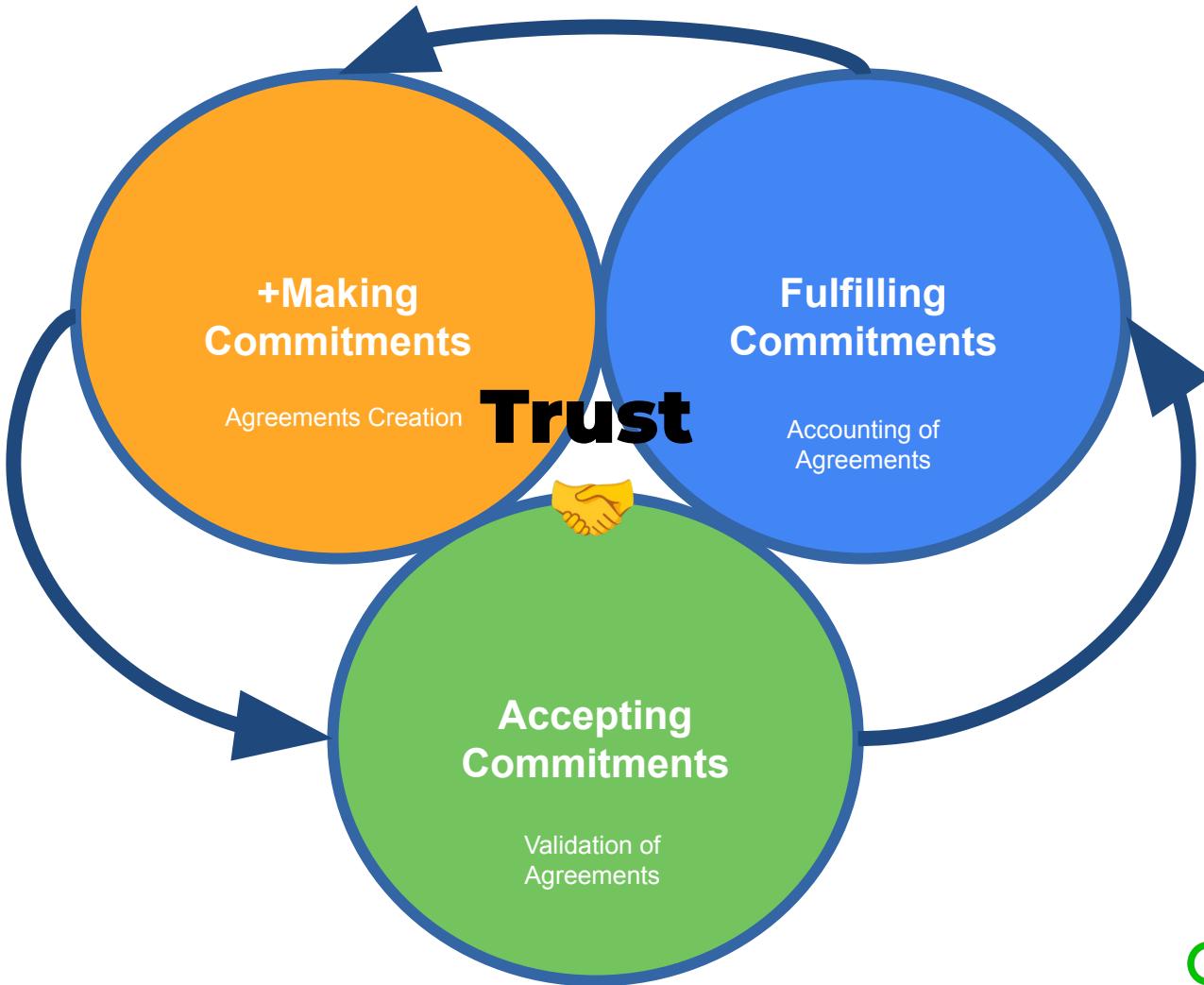
CAVS are formalized, tokenized, onchain commitments that are collateralized by community labor commitments



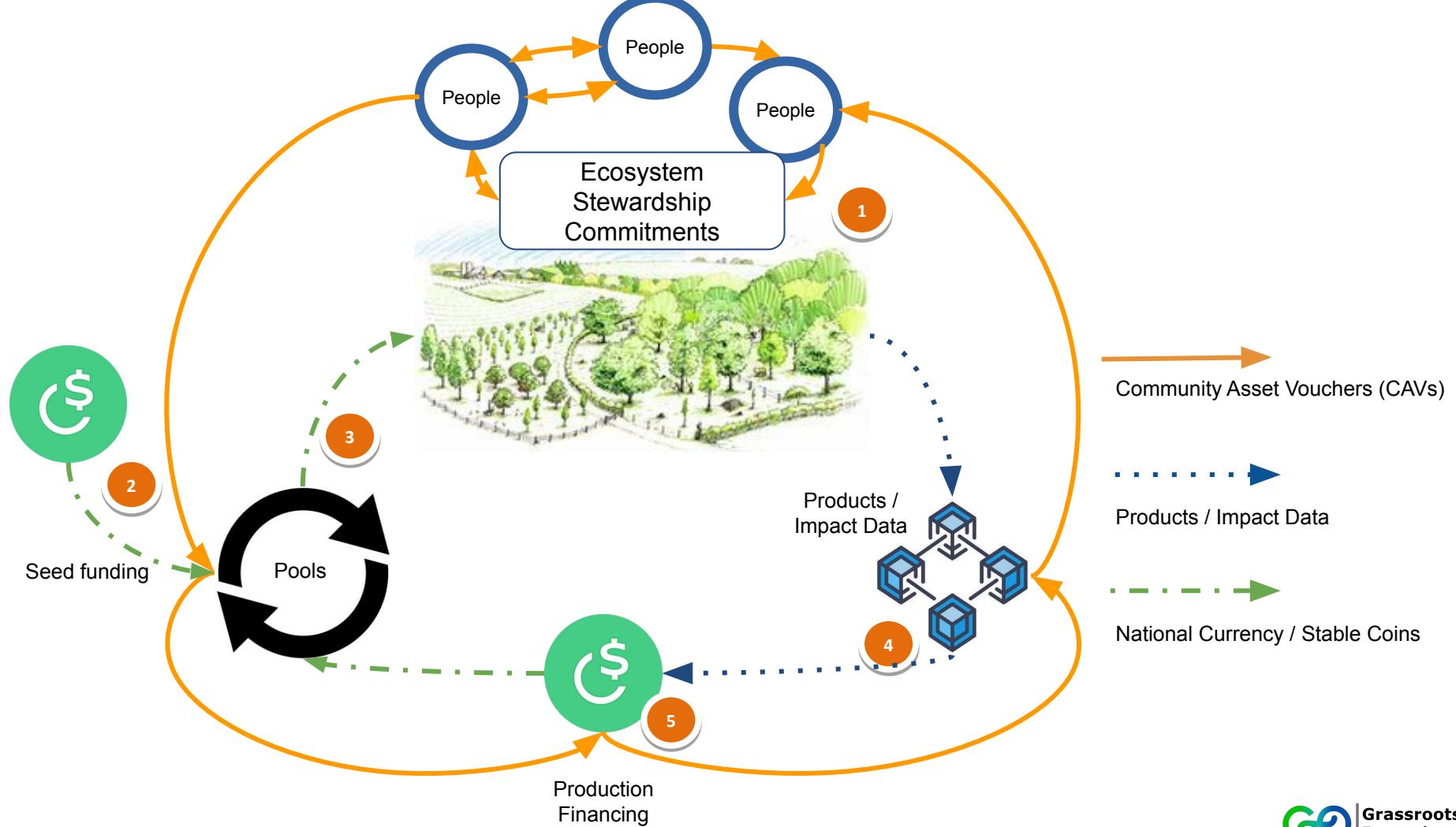
### Monetary Policy

- Value:** Amount (in a UoA) of services or goods product it can be redeemed as payment for.
- Unique Signature & Security:** Authentication to ensure it is not copied
- Expiration date or rate (demurrage):** To limit liability and risk.
- Bearer instrument:** Whoever accepts it it has a right (credit) to redeem from the issuer (debt)

## **Commitment Pooling**

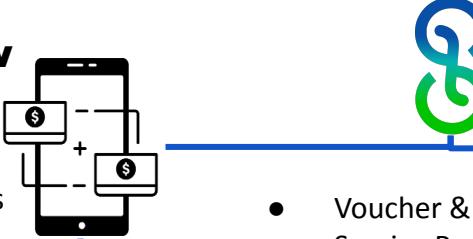






## Tech stack overview

- Web / (\*Android
- Self-custodial Wallets
- Self contained private keys



**USSD**

- Web / Feature Phone (USSD)
- Custodial Wallet / Interfaces

- Voucher & Pool creators and users
- Service Providers & Maintainers

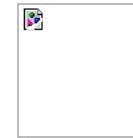


### Public / Private Interfaces



- Admin & Support
- Data dashboard & access
- Contract Interfaces
- Marketplaces

### Custodial Wallet Manager



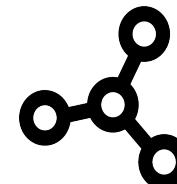
- Task Manager (multi-threaded)
- Operational implementations
- Encrypted Private Keys

### Public Blockchain & Contracts



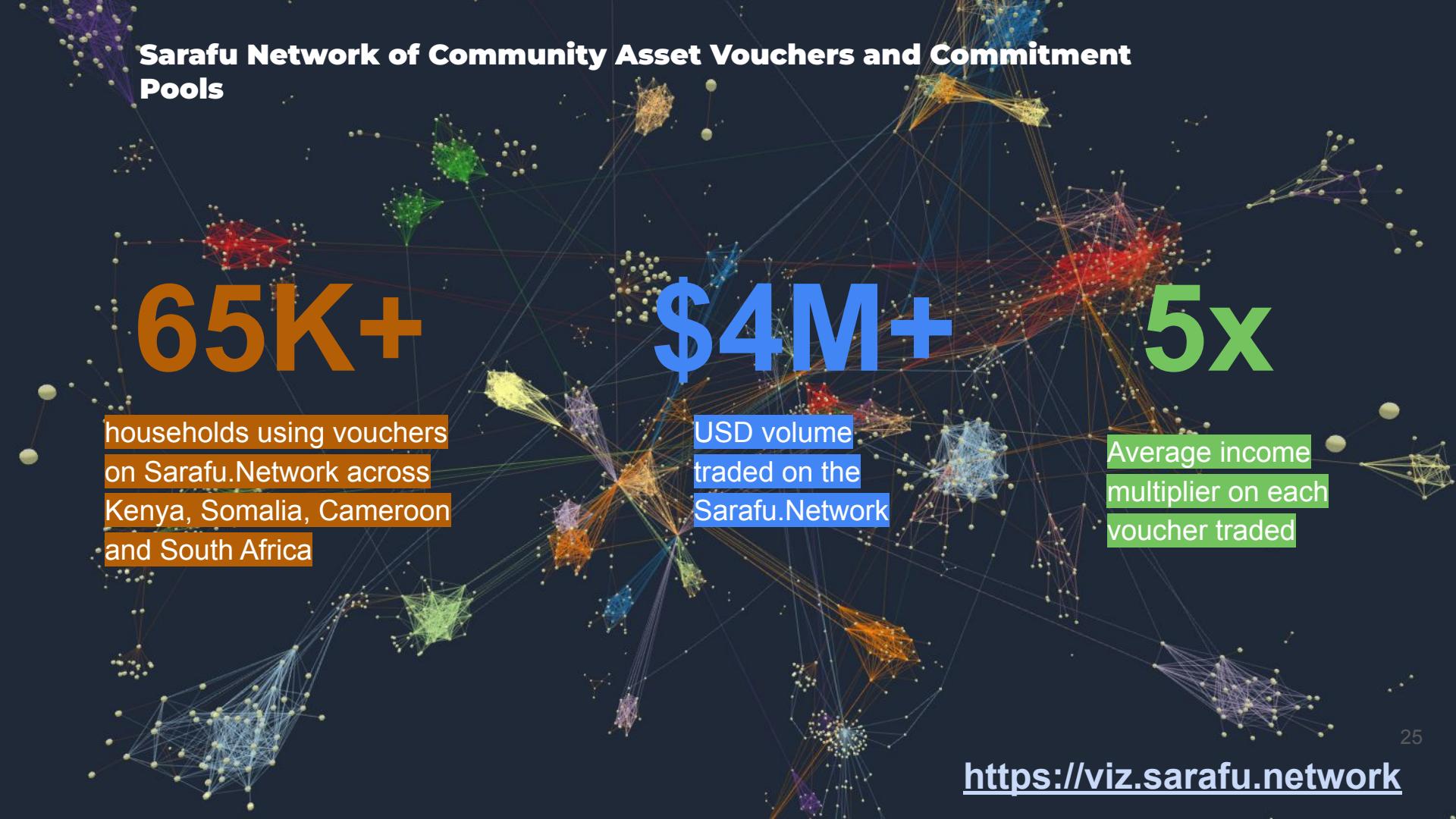
**Public Blockchain**  
(Celo)  
No Gas fees to users of  
**certified vouchers**

### Contract Services



- Permissionless Exchange\* and **Token Registry**
- **Voucher Creation**, Transfer and Conversion
- Indices for User & Voucher Address to Signed MetaData (Certificates)

# Sarafu Network of Community Asset Vouchers and Commitment Pools



**65K+**

households using vouchers  
on Sarafu.Network across  
Kenya, Somalia, Cameroon  
and South Africa

**\$4M+**

USD volume  
traded on the  
Sarafu.Network

**5x**

Average income  
multiplier on each  
voucher traded

<https://viz.sarafu.network>

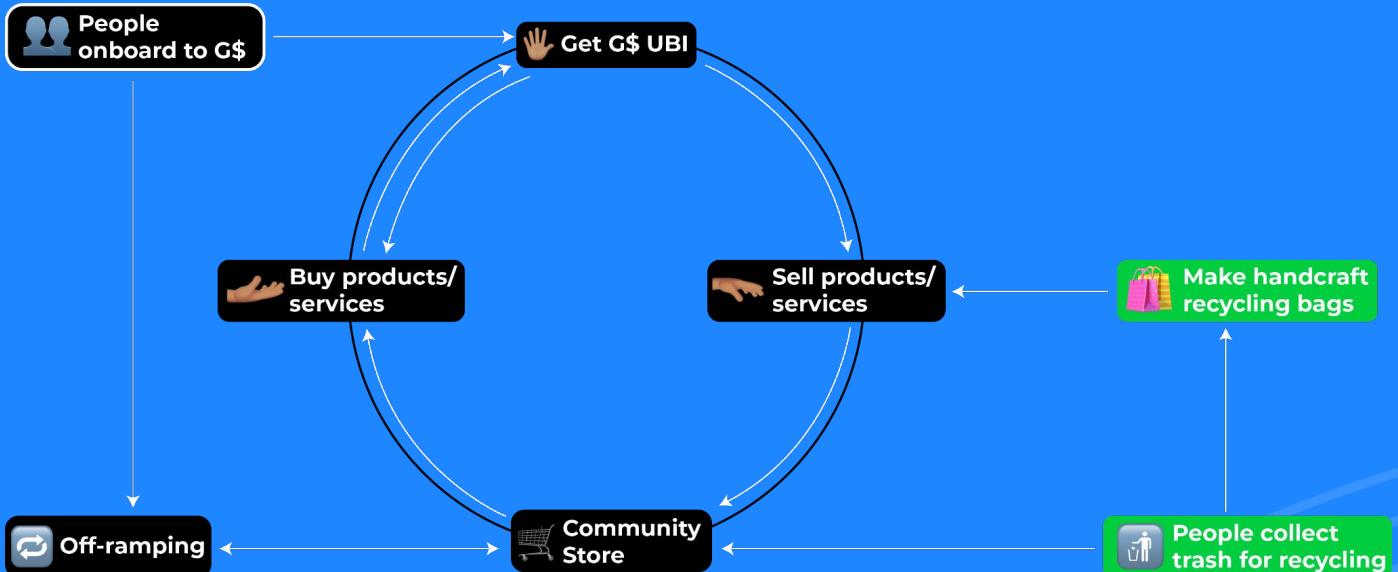
A photograph showing a group of Maasai women in traditional green and yellow shukas and beaded headbands. They are smiling and laughing together, creating a sense of community and shared heritage.

**Pooled commitments  
Enable us to scale into  
the future the our beautiful  
shared heritage.**

# Scaling Trust.



# Community Currencies in Coradinho, Brazil



# Small Airtime Entrepreneurs



**Betz**  
in Philippines



**Frank**  
in Cameroon



**Faisal**  
in Ghana



**Ewuso**  
in Nigeria

**Community  
and Education****On/Off -Ramp****Interface /  
Application****Primitives****Asset Issuer****Settlement**

# Crypto is useful... in an ecosystem :)



Yes! ❤

**Crypto is  
decentralizing  
economic  
opportunity &  
scaling trust**





# THANK YOU!



# Support us and the future!



GoodDollar



Grassroots Economics

