# Kokoro 心, an Improved DeFi

Ideas Bank · 19 hours ago · 7 min read

Transforming Capital To Build A Sustainable Future & World

*What if we tried to solve the planet's problems with a new type of money?*



Photo by Jason Leung on Unsplash

## BEFORE MONEY AND BEYOND

Before money, there was barter. People traded favors in exchange for other favors. Money was created to make it convenient to trade favors that were not tied to **trust** nor **time**. Unfortunately, people realized that unlike food and favors, money would never spoil and could be passed down and so the **race to accumulate** money began. Large stacks of money gave the advantage to the holders. Fairness gathered dust, it was easier to just **buy your side**, than be fair.

Financial systems were created so that this money could grow on its own without actual physical work, creating an even larger divide, blocking entry with esoteric nomenclature and terminology. Well, the **age of consumption, greed, and accumulation is ending**. The planet has started signaling that it won't be so giving anymore. Flooding, fires, tornadoes, hurricanes, typhoons, global pandemics, what else will she dish out?
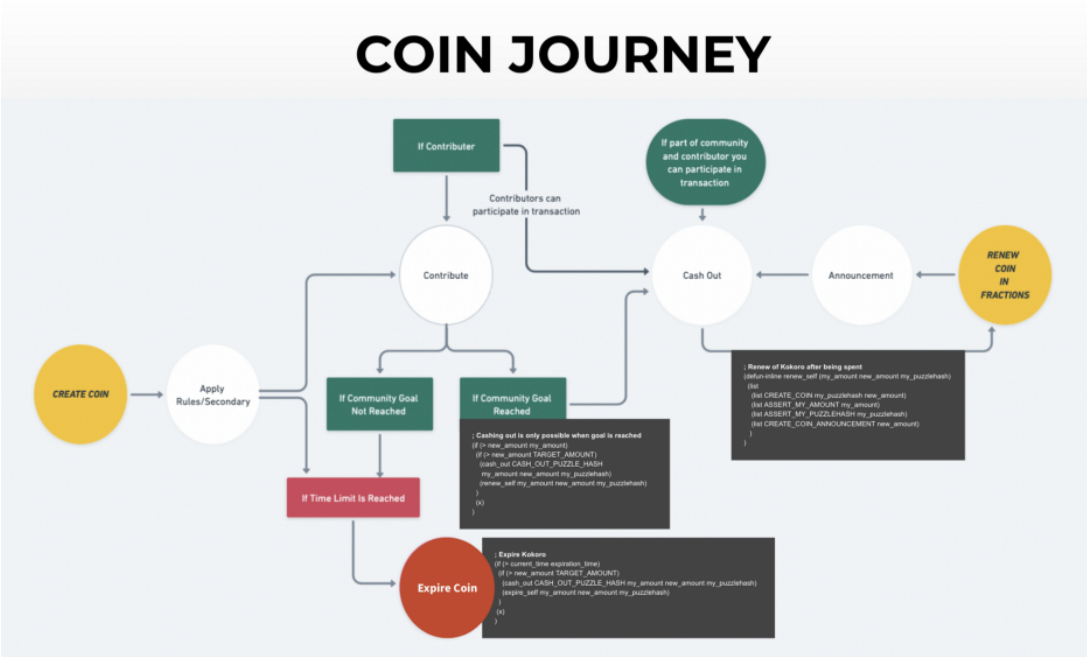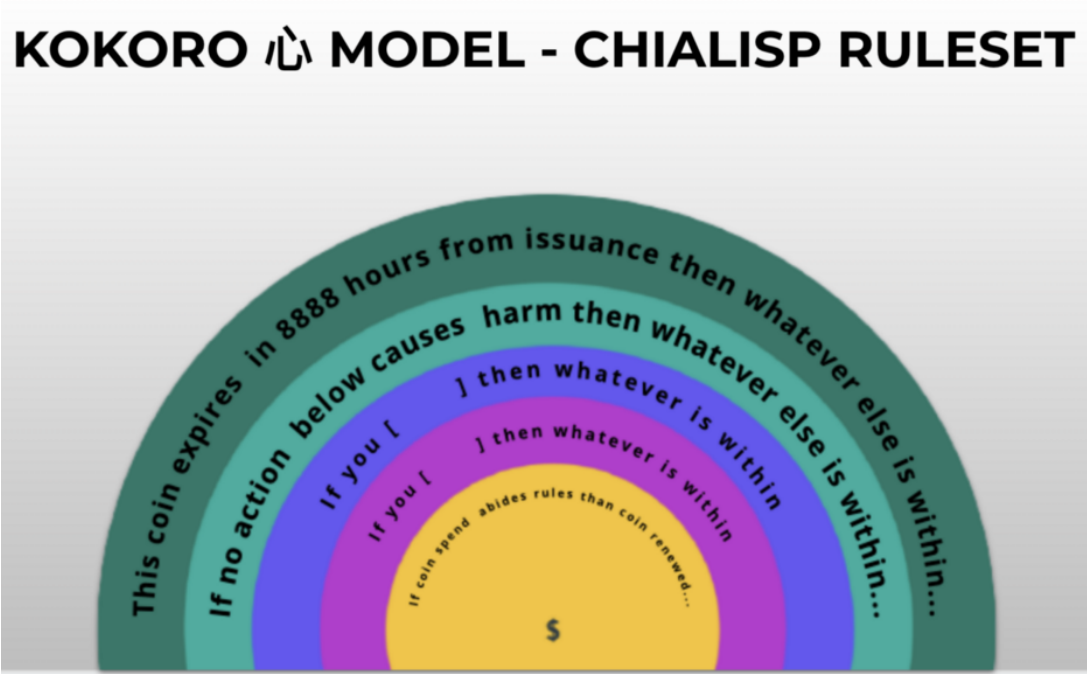
KOKORO 心*

Kokoro 心 adds the **heart, mind, spirit (心)** to money**.** When inspired, human's 心 is limitless. Kokoro 心 coin technology will inspire humans with programmed *intentions*.

Kokoro 心 is a proof-of-concept made for Sirius Labs x chia's Global Chia Hackathon 2021. It is a smart coin built on Chia's Network. Kokoro 心 makes full use of chialisp, chia's programming language that powers smart transactions. It also innovates on chia's unique consensus algorithm of Proof of Space and Time (PoST) on blockchain technology.

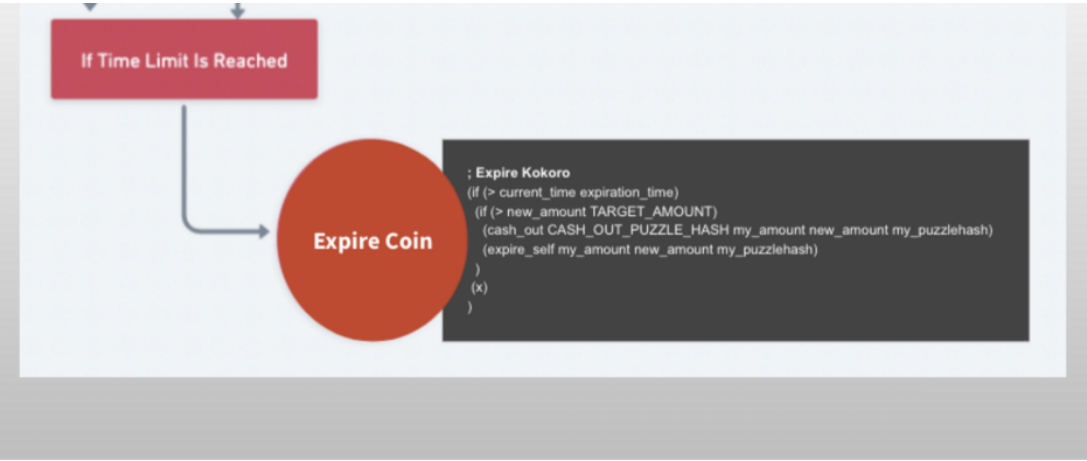*\*Kokoro 心 is an old Japanese term meaning "heart, mind, spirit".*

## COIN JOURNEY

**KOKORO 心 x CHIA FEATURES**

## KOKORO 心 MODEL - CHIALISP RULESET

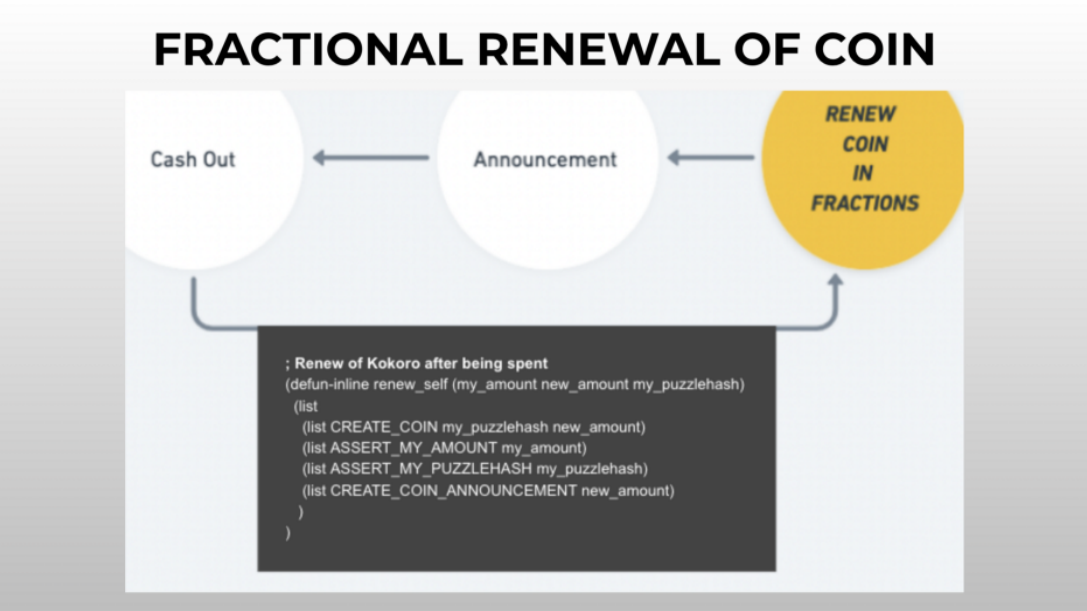*Embedded Intentions aka "ruleset":* Leveraging chialisp smart contract technology, Kokoro 心 *embeds intentions/rules into each individual coin* creating a **more decentralized, secure model.** Current frameworks like Ethereum place smart contracts on a separate ledger from the coin.

1. *Expiration Date:* Coin disappears if not used to **avoid** the issues with **hoarding** of capital.

## EXPIRATION OF COIN

*2. Ethical Rule:* "User(s) does **no harm**."

*3. Fractional Renewal of Coins:* When intention is fulfilled, the disappeared coin **grows back!**



*Flexibility:* Coin owner can add extra secondary rules to their coins, that get passed down for a set period of time.

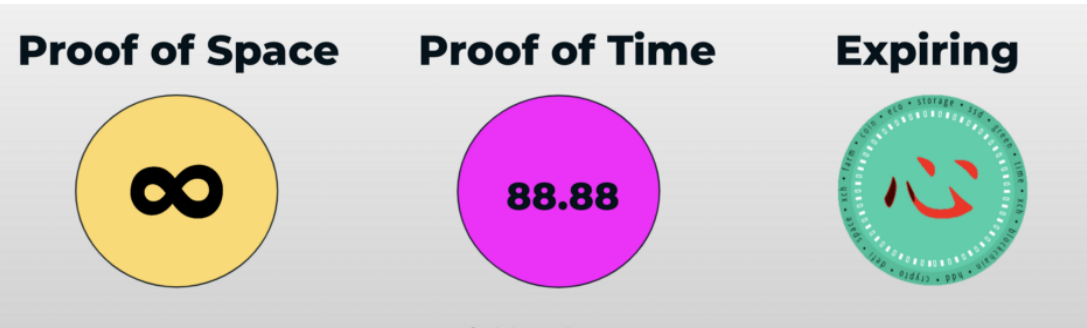*Transactional:* Nested rules must be satisfied before coin can be spent.

*Coin Collaboration Communication***:** Individual smart coins can communicate with one another via chialisp technology. Announcements will be broadcast randomly in time to other coins so that secondary rules programmed by the user can be shared for innovation purposes, similar to how new ideas can be sourced from the child's game of "telephone".

*Coloured Coin Offers***:** An added feature in development, allows a user to create unfinished transactions, and anyone who finds or sees the "Offer" can accept the "Offer" by making a transaction that finishes the other side. This sets up for a **Scavenger Hunt for Good.**

*Reliability:* chialisp is built on Lisp, which is a vetted programming language for over 60+ years.

*Accessibility*: Anyone can run a Chia farm to grow coins in unused disk space using low power. This makes Chia a more green, accessible, and sustainable cryptocurrency option.

KOKORO 心 x PROOF OF SPACE AND TIME (PoST)

| Fractional Renewal of Coins carves out ½ a plot to make space for the renewed coin. | Verifiable Delay Function allows timestamping of coins so that expiring feature is enabled. | Creates an action-oriented coin, not a hoardable one. |

Unique Use of PoST

A unique and important feature of Kokoro ↻ is "Fractional Renewal of Coin" meaning, when the user spends the coin appropriately (fulfilling the intentions of the coin), the coin is renewed fractionally. **Proof of Space and Time** allows Kokoro ↻ to re-reserve the space on a Chia Farmer's plot for new coins at fractional values, where the former coin disappeared from, this happens sequentially. Chia Farmers still collect their transaction fees for every transaction.

Furthermore it enables "Time Lords" to timestamp transactions, including the birth of a coin, so that Kokoro ↻'s "Expiring" feature that is dependent on the coin's birthday is enabled. Expiring of coins avoids hoarding issues that current capital enable which eventually lead to societal inequities and a tendency for non-actions due to fear of loss.

### FRACTIONAL RENEWAL OF COIN 👉 0?

Will the value go to zero? No, a non-zero number halved will never be a zero, it's mathematically impossible. We just share the space to infinity. If we share the space and use capital as a means to inspire action, does its numerical value matter? If we are instead investing in our planet, our home, our communities and our people with our actions, isn't a place to live and be joyful enough. But for the value enthusiasts who value numerical recognition, Kokoro ↻ assigns a number to when the user first adopted the platform. Similar to how tech companies number their employees' entrance to the organization. This should satiates people's need to be ahead and also drive more market adoption.
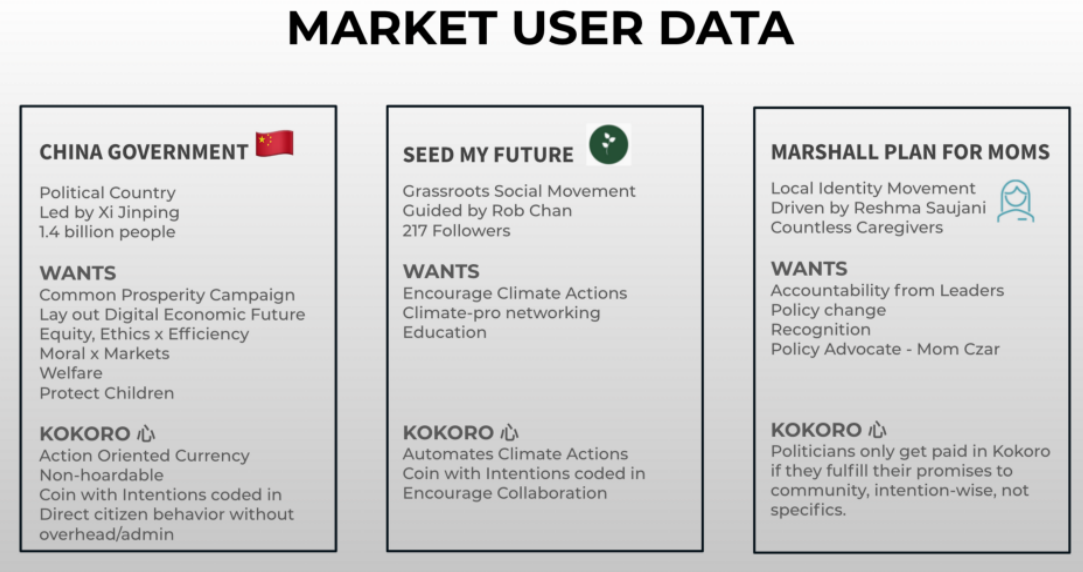


Courtesy of Max Pixel

### KOKORO ↻ MARKET

A sampling of potential users include **Governments and/or Community Leaders** who want to steer the group to work together for a common cause without heavy centralized leading. **Social Movement Organizations** that need resources to run and incentivize member activity. Local identities such as **Caregivers** that give value to society, whom can be recognized and advocate for better standing with more resources. **Climate Action Startups** that need seed money/people to create a prototype to show proof of success. Kokoro ↻ can also power **Social Contracts** with elected officials. For example, politicians can opt to be paid with Kokoro ↻ so that they are more incentivized to represent the public as the public pays them. Voters can then choose to elect politicians that opt Kokoro ↻ as their method of
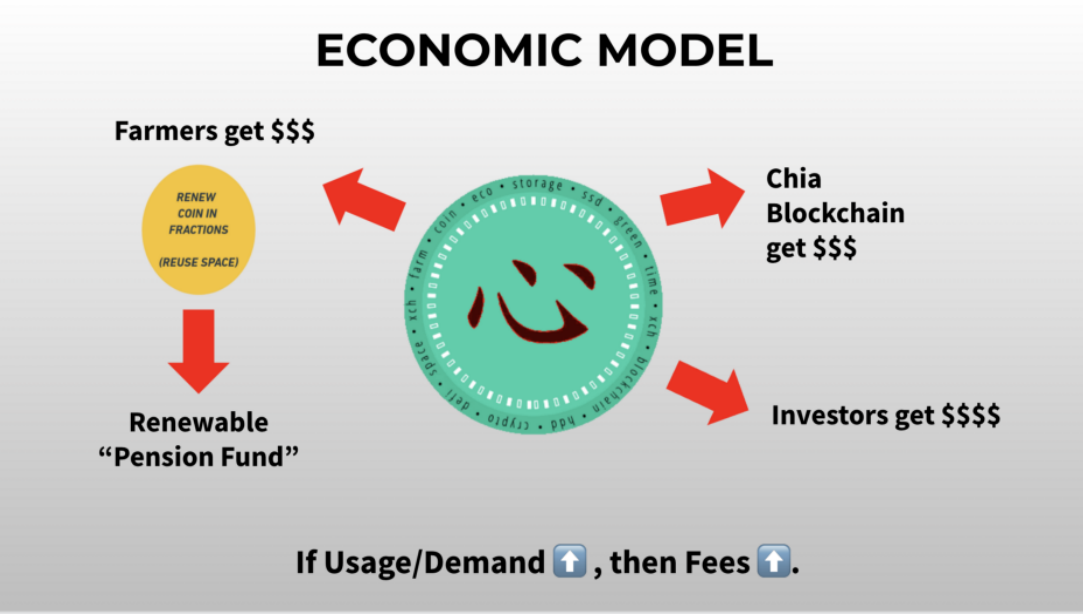
payment. Payment is contingent on the community's set intentions and **not** the few that hold the wealth.



## MARKET USER DATA

**CHINA GOVERNMENT** 🇨🇳

Political Country
Led by Xi Jinping
1.4 billion people

**WANTS**
Common Prosperity Campaign
Lay out Digital Economic Future
Equity, Ethics x Efficiency
Moral x Markets
Welfare
Protect Children

**KOKORO** ෆ
Action Oriented Currency
Non-hoardable
Coin with Intentions coded in
Direct citizen behavior without
overhead/admin

**SEED MY FUTURE** 🌱

Grassroots Social Movement
Guided by Rob Chan
217 Followers

**WANTS**
Encourage Climate Actions
Climate-pro networking
Education

**KOKORO** ෆ
Automates Climate Actions
Coin with Intentions coded in
Encourage Collaboration

**MARSHALL PLAN FOR MOMS**

Local Identity Movement
Driven by Reshma Saujani
Countless Caregivers

**WANTS**
Accountability from Leaders
Policy change
Recognition
Policy Advocate - Mom Czar

**KOKORO** ෆ
Politicians only get paid in Kokoro
if they fulfill their promises to
community, intention-wise, not
specifics.

3 Case Studies

The common theme is organizations need resources, time, creativity, energy and human organizing power to accomplish the goals they set. Kokoro ෆ is the ***decentralized financial instrument that guides without a leader, but with an intention.*** This frees up leaders to focus their energies on other aspects of the organization by creating an **inspired grassroots army** that creatively tries to fulfill the coin's intentions. Sort of like philosophy and values embedded into money. The convenience factor will attract our first users and drive further adoption as no one likes to be led, but humans love the hunt to earn. Kokoro is the perfect "carrot" to drive intention-led grass root collective actions.

**KOKORO ෆ ECONOMIC MODEL**



## ECONOMIC MODEL

Farmers get $$$

RENEW COIN IN FRACTIONS
(REUSE SPACE)

Chia Blockchain get $$$

Renewable "Pension Fund"

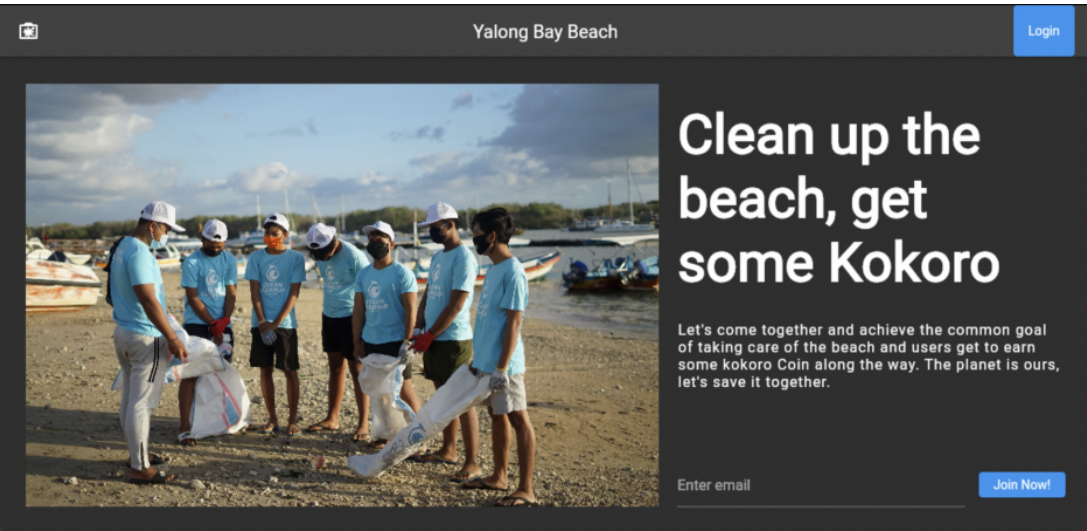Investors get $$$$

If Usage/Demand ⬆️, then Fees ⬆️.

**KOKORO ෆ PRODUCT ROAD MAP**

1. Work with Chia Network developers to develop Kokoro ෆ.

2. Work with humanists, ethicists, futurists to set rules carefully.

3. Beta-test Kokoro ෆ with a small organization.

4. Make updates and adjustments.

5. Enable "Fractional Renewal of Coins" feature at a limited capacity for further testing working with Chia farmer community.

6. Test with larger communities for further testing.

7. Market and launch Kokoro ෆ as an improved **white-label DeFi technology** to drive good forward.

8. Build "good-will" social communities similar to BTS's Fandom Army.

9. Combat 996 life with a more fulfilling and well-intentioned giving life.

**KOKORO 心 *SCAVENGER HUNT FOR GOOD* USER JOURNEY**

1. Kokoro Colored Coin Offer is created, the intention programmed into the coin is to clean up a beach.

2. Participants register.

3. Activity is carried out by participants.

4. Participants are rewarded with ability to spend Kokoro coin.



Demo of Kokoro "Scavenger Hunt For Good" Coming Soon…

**KOKORO 心 SOCIAL COMMUNITIES**

The K-Pop band BTS inspired a strong "ARMY" of fans that crowdsource funds to hold free events, tutoring and mental health services and free giveaways to all their fans globally. BTS's ARMY community prioritizes "giving first". This is what Kokoro 心 will do too. By prioritizing and giving monetary value to positive social actions, the community will grow to be the "*army*" we need to make our world a better place. Human capital is limitless, why should our representative capital be?

**KOKORO 心 RESOURCES**



Kokoro

Transforming Capital to Build a Sustainable Future and World
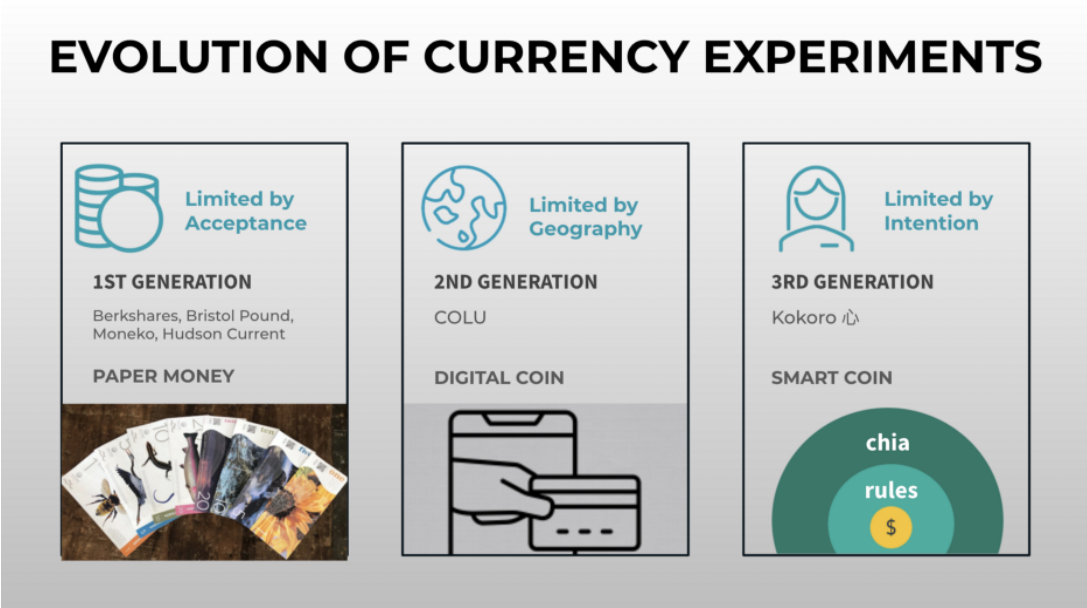
**KOKORO 心 TEAM**

**Anita** is an innovator rooted in research and lived experiences. She is also a FinTech entrepreneur based in *New York City, USA*.

**Divyanka** is a Computer Science Student at IIT *Delhi, India*. She recently interned at Google.

**Nate** is a Blockchain Developer based in *Addis Ababa, Ethiopia*. He is also a serial entrepreneur in the blockchain space and interested in diving into new infrastructure technologies.

**Abdul** is a Software Engineer in *Dubai, United Arab Emirates*. Slowed down by an accident during the Hackathon, Abdul was able to rejoin the last few days to code out "Scavenger Hunt for Good", a truly integral part of Kokoro 心.

Our team met on Sirius Lab's Hackathon server two weeks ago and worked together to make you **Kokoro 心 with** 💚.



Precedent

Chia     Hackathons     Siriuslabs     Defi     Proof Of Space Time

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