



WhitePaper of
KOHO CHAIN

Defining Inclusive Finance



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I. Block Chain - Lit the torch of the financial revolution

1、 The nature of finance and current outstanding problems

The traditional financial ecology is confronted with many serious problems, such as black box operation, unfair distribution, low income ceiling, high threshold and unbalanced regional development.

Centralized & Transparency is difficult to have both

Centralized payment system

High threshold & Unbalanced development

2、 How does decentralized finance solve traditional problems

Decentralized Finance , or DeFi , is currently the fastest growing sector in the blockchain and cryptocurrency industry, and enables users to use financial services such as lending and trading without relying on centralized entities, such as a bank or a stock exchange. It solves many problems in the traditional financial industry by reducing dimension with the progress of science and technology.

2.1、 DeFi solves the subjective human problems

DeFi has intelligent contracts where the code is law and technology is God, so there is no need for lawyers and judges. Absolutely rational intelligent contracts, also do not need a contract,, the expiration of automatic execution, so there is no contract dispute.

DeFi is built on the blockchain, has tamper-proof, traceable, so that trading contacts do not require notary offices and safes, and absolutely transparent, safe and fair.

2.2、 DeFi solves the problems of objective mechanism

DeFi uses digital assets as media without the help of the official central bank, is naturally borderless and intermediated.

DeFi has very low barriers to entry. You only need a mobile phone connected to the Internet to enjoy all kinds of financial services.

It also takes a lot of document, materials and management fees to open a bank branch , that leads to a threshold from achieving the real INFI (Inclusive Finance).

In the traditional financial system, all loans are subject to default risk, and even there are precedents of failure of large banks. However, in DeFi, there is no counterparty risk.

DeFi guarantees the other party's ability to pay strictly in the form of pawns or mortgages.

At the same time, the smart contract for borrowing, as long as the time to execute immediately, there is no transfer mechanism, so it can minimize the trading risk.

II. KoHo Chain – Define INFI

(Inclusive Finance)

1、 KoHo Ecosystem

KoHo Chain is a new generation of inclusive financial infrastructure based on the side chain technology of blockchain, to create a fair, transparent , shareable and privacy protecting Decentralized INFI ecosystem.

Money and security of data in a centralized organization can not be fully safeguard, and across time, space, cost a lot of manpower and financial services, high cost is difficult to cover all the people, causing a vicious cycle of unbalanced regional development, industry ecology needs to change, at the edge of the people need voice, stock users need a stronger sense of security.

DeFi has strong technology and bright future. It is the king of development to use advanced technology as productivity, the general trend of the development of the financial industry, and the driving force of this industry revolution and even the social revolution.

KoHo Chain is committed to the development of a new generation of Decentralized public chain of inclusive financial blockchain, to bring better and more secure financial services to every citizen, regardless of race, religion, age, nationality or geography, and completely ignite the revolutionary torch of decentralized finance.

KoHo foundation is at the forefront of this social revolution, working to solve the current problems facing human society through high-tech means--namely how to

construct more cohesive community organization and more equitable and efficient distribution of incentives.

2、 Introduce of KoHo foundation

KoHo foundation, formerly is registered in Singapore, and gathering global elites of the blockchain industry. Among the members of KoHo, there are many members from world-class giants such as Google, Tencent, Baidu, Huobi and government units in various countries.

3、 Overview of KoHo public chain

3.1、 The value and bottleneck of current DeFi

From Bitcoin to Ethereum, blockchain continues to develop, with improving protocols and maturing technologies. It has been seven years since Ethereum came into being in 2014.

In the past seven years, Ethereum has been the hub of the whole Blockchain net, and most public infrastructures have been built on Ethereum net, such as the Inter-blockchain to BTC, the issue of original stable currency, etc. In the meanwhile, the distribution mechanism in Ethereum layer1 has been also established based on ERC-20 assets.

When the side chain in Ethereum ecosystem wants to obtain these assets, firstly it will cross the assets to its side chain through the Ethereum main network, instead of building a bridge separately.

Therefore, the Ethereum now is facing a big problem. Confirming a deal on Ethereum chain needs 2 minutes, only with a capacity of 7.1 deals per second that leads to extremely unsmooth using experiences of users with high trading gas, which even can reach \$ 100 each time.

Admittedly, Defi is the biggest development and value capture in the whole encryption field in 2020.

However, these shortcomings objectively restrict the development of the current DeFi field, stem the participation of larger-scale and smaller-volume markets, and also hinder the further development of DeFi. If a large number of small-scale transactions can't be supported, and then no INFI(Inclusive Finance), and no developing the market. Losing the core competitiveness of itself and centralized finance , the applications of the public chain in high concurrency scenarios and complex business scenarios are completely limited.

3.2、 KoHo public chain emerges as the times require

With the improvement of DeFi financial infrastructure, derivatives of DeFi bring more and more new landing scenarios. In the face of the growing demand in the field of DeFi, the current DeFi infrastructure has been difficult to meet the public's desire for Inclusive Finance.

In order to reduce the threshold for the majority of cryptocurrency enthusiasts to participate in DeFi, and to continuously expand the boundary of DeFi, Koho public chain came into being!

By building a breakthrough new generation of high-performance private financial chain, KoHo has solved such prominent problems as weak scalability, high transaction cost, slow transaction speed and poor transaction experience in the existing DeFi domain.

The traditional financial industry has a high requirement for the efficiency of the trading system. Take securities trading as an example. The traditional securities trading mainly includes declaration, matchmaking, clearing, settlement and other steps, with TPS up to hundreds of thousands. The Bitcoin and Ethereum, the largest public chain, have TPS in the tens or even single digits, leading to frequent congestion.

KoHo public chain, through the sharding, sub-chain capacity expansion, state channel, online capacity expansion and other technical solutions, to achieve the level of thousands of TPS, with the financial application scenario of TPS and other hard indicators, to meet the high speed and high frequency demand of trading chain.

On the other hand, intelligent contracts are supported too realize complex transactions, business contracts, financial contracts, logic and verification contents when the contracts are linked. While significantly reducing artificial risk, it also improves the user experience in fully decentralized distributed trading platform, which is also an important bottleneck for large-scale commercial use.

KoHo public chain represents the most advanced Blockchain technology in the industry, enabling the financial industry with cutting-edge technology, which will open the beginning of large-scale commercial decentralized finance. At the same time, choosing KoHo is embracing the new era of wealth wave.

III. **KoHo** - Reshaping the future of decentralized finance

1、 **KoHo** - Commercial financial chain

Compared with the traditional architecture, the KoHo blockchain has advantages such as tamper proof, easy to audit, high transparency, strong reliability and automatic execution of intelligent contracts without trusted intermediaries.

KoHo seeks to create a better financial environment and provide a commercial financial architecture:

1.1、 **Payment & Clearing system**

If you've ever tried to send money to someone or a business in another country, you should be keenly aware of the pain--remittances involving banks around the world often take several working days to complete and can involve a wide variety of fees. To make matters worse, there may also be issues related to the documentation required to send money, compliance with anti-money laundering laws, privacy, and so on.

KoHo, which promotes the DeFi movement, allows you to bypass the middleman who picks up a large share of the profits during the transfer process. Transfer can also become very fast, your transfers will be processed unconditionally and for a lower fee than the bank charges. For example, transferring a cryptocurrency issued on KoHo to an account the world takes only three seconds and a small fee(around \$0.0001, yes,

you read that right).

1.2、 Accessibility

The World Bank estimates that as of 2017, 1.7 billion people haven't hold accounts in financial institutions, more than half of them in developing countries. They are mainly from poor families. The main reasons why they don't have a bank account includes poverty, geographical location and trust problems.

For the 1.7 billion people without bank accounts, access to banking services is difficult, but KoHo has the potential to make it easy. Access to KoHo DApp(decentralized financial application) only requires the user to have a mobile phone connected to the internet without going through a lengthy authentication process.

The World Bank estimates that two-thirds of the 1.7 billion people without bank accounts have mobile phones, therefore, unlike traditional financial institutions, KoHo DAPP can be a portal for these people to access financial products.

KoHo represents a movement to promote borderless, uncensored, accessible financial products, and create a level playing field for everyone on this planet.

1.3、 Decentralized & Transparency

Washington Mutual, with deposits of more than \$188bn, and Lehman Brothers, with assets of more than \$639bn, both collapsed in 2008.

In the United States alone, more than 500 bank failures have been recorded. Even banks, regards by the public as one of the safest places to keep their money, can fail, even big ones.

Transparency is also closely related--ordinary investors do not fully understand the workings of financial institutions.

Today, all financial applications based on KoHo are open source, facilitating auditing and transparency. These applications typically have decentralized governance organizations to ensure that everyone is aware of what is happening and that no malicious actors can make malicious decisions individually.

On KoHo, financial applications are written as lines of code-- you can't cheat code because it treats everyone equally. The code works exactly as it was written. Because the code is open source for public scrutiny, any vulnerabilities quickly become apparent.

In the final analysis, the biggest advantage of KoHo-based financial applications is that they can eliminate intermediaries and operate in a zero-censorship environment.

2、 KoHo – Inter - Blockchain Bridge:

KoHoBridge

2.1、 importance of cross-chain

Today, the encrypted digital world has nearly a trillion dollars of digital assets scattered across different blockchain networks. In order to support the development of financial applications based on all digital assets, KoHo tries to establish a set of multi-chain architecture, so that all blockchains connected to this architecture can better complete the interaction of information and value among each other. Cross-chain technology ensures inter-operability between different blockchains and is the key to KoHo's building of an ecosystem of digital financial applications.

Cross- chain means that atomic transactions can be performed between different chains, and the data involved in the transaction can be accessed , verified and used to achieve interoperability and state event interoperability according to type of

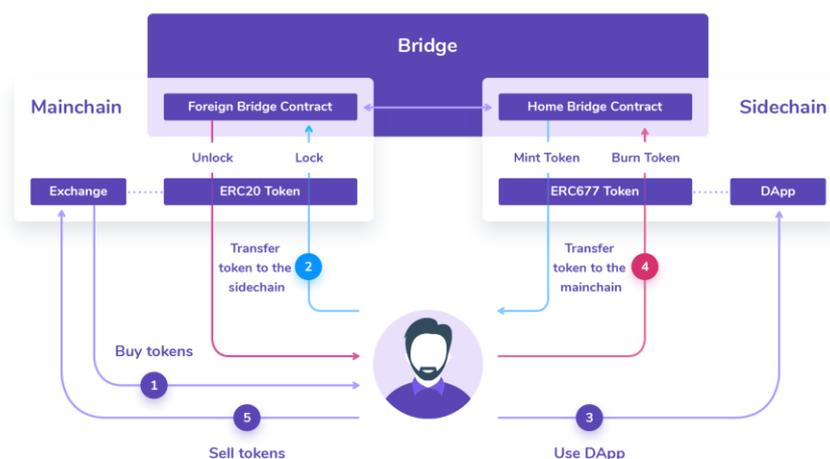
information exchanged. In simple terms, cross-chain or blockchain interoperability is a technology designed to provide a way for two blockchains to exchange information.

KoHobridge technology builds a cross-chain bridge between KoHo ecology and other public chains, allowing users to freely exchange atoms between EVM ecological blockchain systems. To transfer assets in one chain to another blockchain, that is that the assets in the original chain need to be locked and the assets of equal value should be remint on the other chain to realize asset transfer. During this process, KoHoBridge can ensure atomicity, safety, user-friendliness of cross-chain transactions.

2.2、 KoHoBridge 2WP and Assets management

The key problem to achieve 2WP is who can manage the assets of the locked accounts, and how to ensure the operations of performing locking and unlocking to release the locked assets safely without causing double spending.

Taking ERC20-to-ERC677 asset transfer as an example, the typical ERC20 Token is on the Mainchain, but the typical ERC677 Token is on the Sidechain. Transferring typical ERC tokens between main-chain and side-chain as shown in picture 1. In the process of transferring, the safety is ensured by the cross-chain bridge.



The above picture is the ERC20-to-ERC677 asset transfer

Users transfer Token from Main-chain to Side-chain, on Main-chain the Lock operation will be performed to lock a specified number of Token in the Foreign Bridge Contract protocol, meanwhile, on Side-chain the Home Bridge Contract protocol will perform the Mint Token operation to mint the same amount of Token.

Users transfer Token from Side-chain to Main-chain, on Side-chain the Burn Token operation will be performed to burn a specified number of Token in the Home Bridge Contract, meanwhile, on Main-chain the Foreign Bridge Contract protocol will perform the Lock operation to release the same account of Token.

2.3、 KoHoBridge: cross-chain transaction management

According to the atom exchange, assets have been locked on one chain, and the same account of assets will be minted on another chain. The new minted assets can be exchanged with the original assets, because the new minted assets can be used to redeem the original assets. Therefore, as long as the bridge continues to exist without censoring or interference, the newly minted assets represent the right to unlock the assets on the original chain, and the locked assets can be treated as the original assets. When the asset owner wants to transfer the asset to the original chain, he needs to use the same cross-chain bridge to complete the task. The asset is burned on the current chain and unlocked on the original chain. The final certainty of cross chain transaction means that in cross chain transaction, it must be confirmed that the previous transaction has been finally confirmed before the subsequent sub transaction can be processed, otherwise there will be the possibility of rollback. In the blockchain system of POW consensus algorithm, as long as there is enough computing power, theoretically every transaction can be canceled, but the more blocks are confirmed, the lower possibility of cancellation will be. Common schemes include waiting for enough confirmations, block entanglement, and using DPOS consensus algorithm. Wait for enough confirmation until the possibility of rolling back the transaction reaches a predetermined threshold, and then execute other sub transaction. The disadvantage of this solution is that the transaction processing time will be longer.

Block entanglement means that the blocks between two chains are dependent on each other. When a block in the chain is revoked, the related blocks in other chains will be revoked automatically.

KoHo uses DPoS consensus algorithm to achieve the final certainty of Side-chain crossing chain transaction more efficiently. Compared to PoW consensus algorithm, DPoS consensus algorithm is easier to reach final certainty, that is to say, 100% final certainty can be achieved in 3 seconds.

2.4、 KoHoBridge: Safety guarantee

To achieve the interconnection between chains, firstly we must establish a trust mechanism between blockchain systems, so that one blockchain can receive and verify transactions on another blockchain. The essence of verification of cross chain transaction is an Oracle problem. For a blockchain system, cross chain messages come from the outside of the system and cannot be verified directly by itself. Therefore, an additional Oracle mechanism must be designed to help verify whether the cross chain transaction is true. KoHoBridge uses Oracle to monitor bridging related events and authorize asset transfers. Oracle is deployed on the designated verifier nodes in the network.

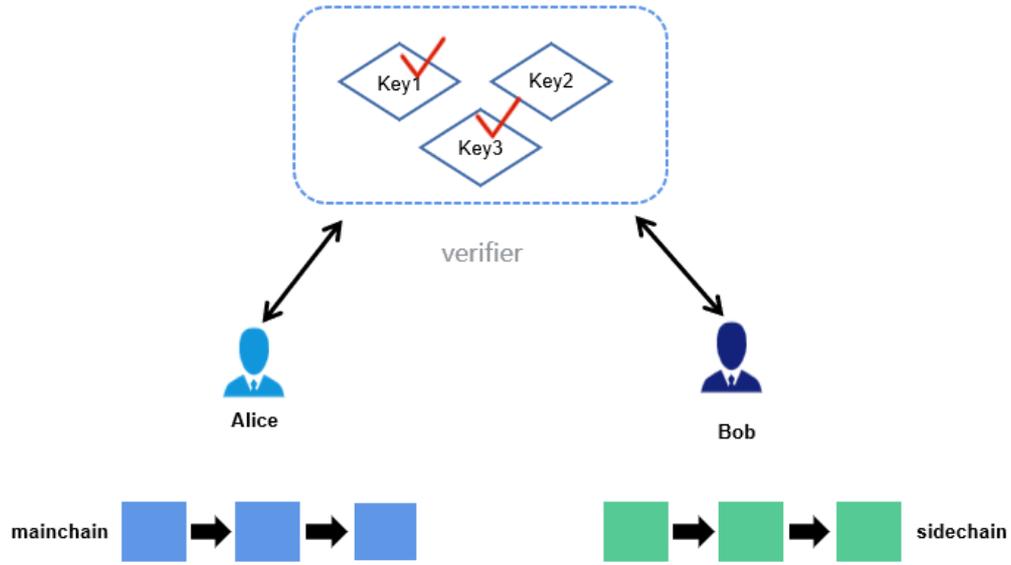
It connects two chains through remote procedure, and is responsible for events related to cross-chain bridge contract and sending transactions to authorize asset transfer.

KoHobridge refers to the secure decentralized Oracle solution--ChainLink, and solves the connectivity of smart contract through decentralized Oracle network , meanwhile, this decentralized method limits any one-way power.

Through ChainLink as a verifier to realize free and mutual asset transfer, every step in the process of cross chain transaction needs the participation and confirmation of verifiers.

KoHoBridge uses a group of trusted nodes as verifiers to monitor the condition

between chains, and confirms and verifies the collected data, and as an intermediary to achieve cross-chain interoperability. Cross-chain transactions can only be confirmed or verified after multiple verifiers reach a certain proportion or number of consensus.



The above picture is Verifiers confirm cross-chain transfer.

IV. Ecological landing strategy of KoHo Chain

The amount of KHC in circulation is 13,360,000, the unproduced amount is 28,640,000.

Toady, KoHo foundation has updated mining&distribution model of KHC.

Part 1. Super-Representative Mining - 21,000,000

In the future, 21 million KHC will be produced through Super-Representative mining, which will be rewarded to super representatives who make long and stable contributions to KoHo Chain.

On KoHo Chain, an address freezes 1 KHC = 1 vote, any node can vote or get a vote, and few top nodes will be selected as super representatives (AKA super node), responsible for output blocks and producing KHC.

Super representatives can formulate their own KHC mining rewards for their voters.

Part 2. Influencer Recruitment - 1,000,000

There are 20 seats for influencers, 1,000,000 KHC are pre-mined, and each influencer can subscribe for 50,000 KHC.

The funds raised will be stored in a specific address for global expansion of KoHo Foundation,

Part 3. Infrastructure Developer Rewards - 1,500,000

1,500,000 KHC will be used to encourage developers who contribute to the basic components such as KoHo Chain and wallet.

This part of KHC will be output with Super-Representative mining in the same rhythm.

Part 4. KHC Foundation Operating Fund - 1,000,000

These KHC will be used for the operating expenses of KoHo foundation, including business development, marketing, etc.

This part of KHC will be output with Super-Representative mining in the same rhythm.

Part 5. Eco Ronsultant Rewards - 1,000,000

To promote the global influence of KoHo Chain, there are 1,000,000 KHC are pre-mined as eco consultant rewards.

These KHC will be stored in a specific address and announced its use regularly.

Part 6. KoHo Community Rewards - 3,140,000

The participation of global fans and communities is the first factor in the success of KoHo Chain.

Thus, 3,140,000 KHC were pre-mined, which will be used for eco operation and community rewards, including but not limited to the following:

- ① Recruit qualified KOLs, community representatives, honorary consultants and star developers.
- ② (Need to add KoHo Chain certification in their Twitter profile)
- ② Airdrop with trading platform.
- ③ Rewards for outstanding autonomous communities.
- ④ Submit the activity plan (recommend partners, Airdrop plan, recommend developers) through official path and be adopted, these users will be rewarded.
- ⑤ Submit articles through Essay Soliciting platform, or make positive publicity for KoHo chain on other platforms such as Twitter/Youtube/Medium,, these users will be rewarded.
- ⑥ Other behaviors that make outstanding contributions to KoHo ecology.

V. KoHo - The future is coming

Writing here, feeling amazing.

Now , as we enter the third decade of the decade of the 21st century, the big ships of the old era are crumbling and tired, and old technologies and ideas are hard to innovate and can no longer be reused.

The wave of the Blockchain 3.0 era has been blown, and the KoHo ecology is the ship which we build to sail to the new world.

As the most advanced mean of upgrading traditional industries and reshaping asset circulation and distribution, Blockchain technology has been paid more and more attention by governments.

So far, 81% of the world's National Central Banks have started digital currency related work.

In 2020, the number of global Blockchain companies registered, the number of global Blockchain technology patents, and the number of Blockchain policies and regulations have increased by more than 50%.

In this magical year of 2021, the international situation is changing and the trend of deglobalisation is rising. Now, various countries vigorously support to speed up their internal industrial updating with the help of the advanced technology of Blockchain, and get rid of the shackles of foreign technology and use the natural borderless digital currency to help themselves sitting pretty in the turbulent global situation.

Only in line with the background of the times can we catch up with the biggest wind. At present, the financial field is the field where Blockchain technology application scenarios are explored mostly and most suitably. The introduction of various support policies will further accelerate the large-scale commercial implementation of decentralized Inclusive Finance.

This puts forward very high requirements for the ecological infrastructure of

Blockchain.

The number of users that KoHo can serve at the same time per second is thousands of times that of Ethereum, and the bridging technology breakthrough of KoHo bridge is enough to support all financial activities.

Users only need to spend one millionth of Ethereum's gas fee to enjoy financial services more than 100 times faster than Ethereum.

We are very confident that KoHo which bridges Ethereum and other technological ecology through Side-chain technology, and greatly reduces the threshold of decentralized finance, will undoubtedly become the first high-performance privacy public chain that truly supports large-scale commercial use and create a truly inclusive financial ecology.

