



metria

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Contents of Whitepaper V1.

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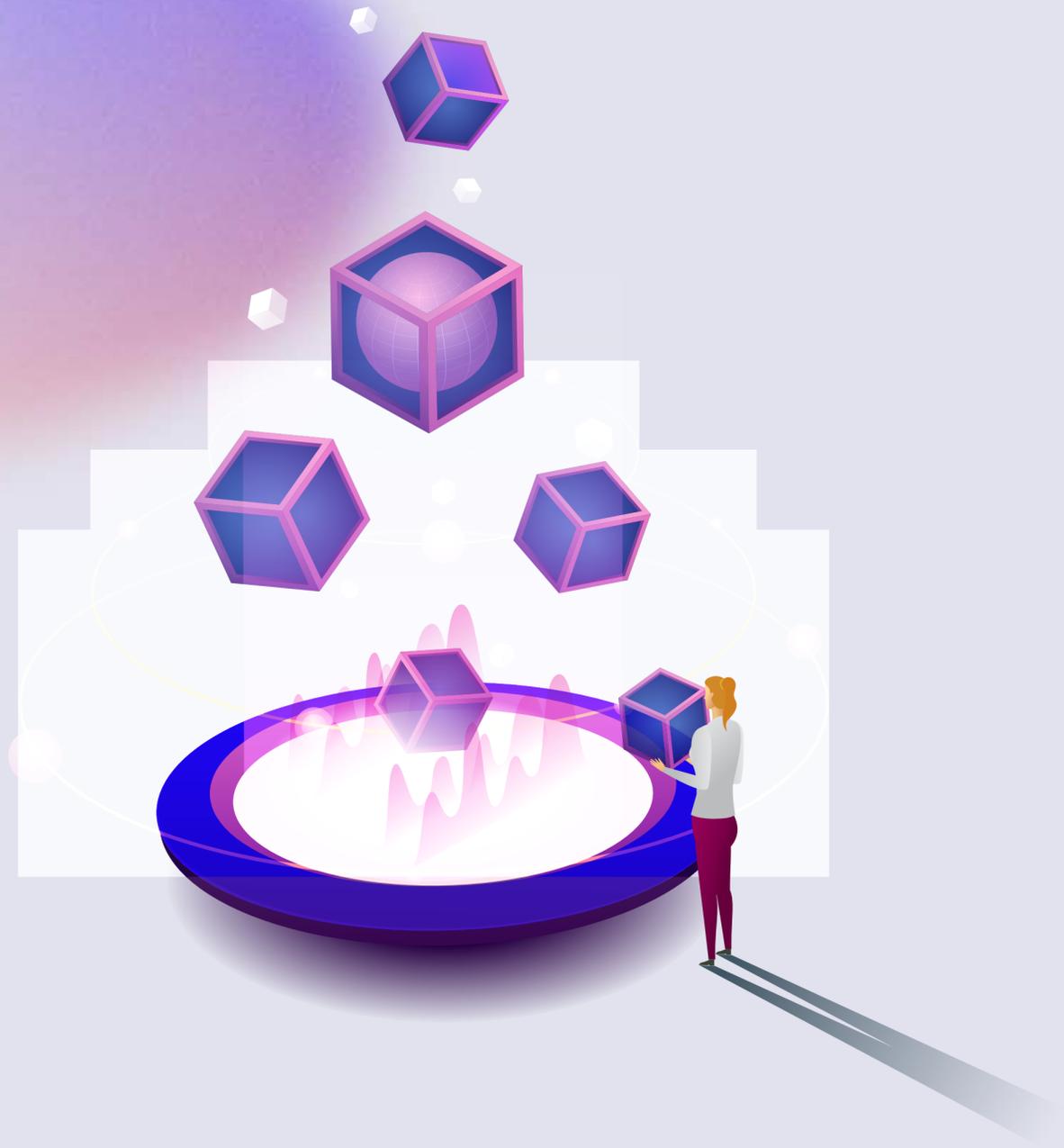
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Important Information

1. Background



Launched in early 2009, Bitcoin introduced cryptocurrencies and blockchain technology to the world. It showed the world that there is no need for third-party intermediaries to store value or conduct financial transactions, signifying true ownership of monetary value can be managed on a truly decentralized, trustless, peer-to-peer network called the blockchain. Initially acting as a distributed ledger to record the digital asset's transactions across the network, Bitcoin's underlying blockchain soon found various other applications across different industry segments. The paradigm shift in the use of blockchain technology as more than just a ledger was introduced by Ethereum – world's first programmable blockchain protocol. Since then, there has been no looking back for cryptocurrencies and its underlying blockchain technology as they continue to enjoy their position as one of the hottest and fastest growing technology segments.

The applications of decentralized technology have surpassed everyone's imagination over the past decade, following the rise of decentralized finance (DeFi) and Non-fungible Tokens (NFT) markets. The DeFi revolution is hailed as a potential solution to the problem of "unbanked-ness" prevalent in societies across the world. A significant population, most of them from low-income group or living in remote places are deprived of access to banking and financial products and services due to high costs or geographical limitations. The unavailability of organized financial services continues to force them into the arms of unorganized financiers and other independent players to meet their immediate financial needs at a very high cost. Meanwhile, those with access to conventional banking and financial services find their earnings under the control of these centralized institutions which offer them very low, even no returns sometimes.

Using blockchain technology and cryptocurrencies, the DeFi sector has emerged as an alternative to traditional financial structures as they can offer similar, if not better services at significantly lower costs and potentially much higher returns. Further, the only prerequisite to gain access to DeFi products and services is internet access, which is quite prevalent thanks to constantly improving connectivity and the rising penetration of mobile devices across the world.

On the other hand, the NFTs have presented a way of creating and establishing ownership on any tangible or virtual product on the blockchain while enabling its easy transfer through a simple transaction. The non-interchangeable nature of these tokens, combined with the transparency, immutability and security offered by the blockchain has created a lot of opportunities. Some of the use cases for NFTs include artists and content creators tokenizing their works and selling them, tokenized ownership of digital in-game elements, tokenization of ownership and property records, etc. All these options give a glimpse of the implications NFTs could have on the future of digital recordkeeping, sales and transfer of rights, titles, and ownership of virtually any object, digital or otherwise.

Meanwhile, the rising popularity of Metaverse has further expanded the scope of applications of DeFi and NFTs. Metaverse is a digital domain that is created by the convergence of various technologies like the Web3.0, blockchain, augmented reality and virtual reality to create a hyper-realistic virtual world. Participants in the Metaverse can interact with each other and carry out their business from a single place rather than moving around as one would do in the real world.

1.1 Market Trends

The applications of these blockchain-driven, ground-breaking technologies are directly reflected as numbers in the market. Realization of the importance of these technological innovations and their implications on the future, has driven innovation and adoption in the DeFi and NFT space. A glimpse of the recent market trends provides an irrefutable proof that these sectors will continue to flourish for a long time.

With a plethora of offerings, including cheaper cross-border transactions, interest earning deposit accounts, decentralized exchanges (DEX), non-collateralized loans, liquidity staking, yield farming and others puts the value of DeFi market at over \$97.8 billion, which is far higher than the GDP of most nations in the world. Similarly, the NFT market is slowing picking up the pace to reach over \$10.7 billion. These numbers will continue to grow as innovation continues.

While the possibilities are limitless, turning them into a reality is currently constrained owing to the challenges posed by the limitations of existing blockchain protocols. There are many blockchain protocols, each with their own strengths and weaknesses that range from scalability to efficient decentralization and overall security. These factors, combined with fragmentation of protocols and the absence of efficient ways to communicate between different blockchain protocols has impeded seamless value exchange across these protocols, which is necessary to enable the entire industry's growth by leveraging each ecosystem's strengths and overcoming weaknesses by filling any gap with superior technological interventions provided by other protocols.

To realize the full potential of the blockchain applications, the need of the hour is a blockchain agnostic solution for seamless transfer of liquidity and assets across multiple protocols. Unfortunately, most of the solutions that are being developed can accommodate no more than two or three blockchains under one ecosystem.

The liquidity constraints and absence of a unified blockchain ecosystem continues to force projects to work in silos. Most of them end up spending a lot of time and resources to develop multiple versions of their platforms to operate on different blockchains by relying extensively on existing bridging solutions. Even then, whenever there is an additional demand for liquidity on one of the protocols, transferring assets from other protocols like Ethereum comes with high transaction costs, effectively making them unviable.

A feasible solution for the existing challenges is to develop a blockchain-agnostic DeFi ecosystem and a NFT marketplace that can enable seamless transfer of assets across any protocol with minimal fees.

2. Introduction



Metria Network is a project that has embarked on a mission to create a multichain ecosystem that enables seamless transfer of value and assets across multiple blockchains. The project aims to address the issue of blockchain fragmentation, scalability, and high transaction fees, without compromising on the security or decentralization. Metria Network will be launching its own standalone, EVM compatible blockchain protocol on which the entire Metria ecosystem will be built.

The Metria chain will be designed keeping the needs of DeFi and NFT applications in mind, to provide an all-round single-platform solution that can work in conjunction with an existing blockchain protocols. The blockchain protocol will be accompanied by critical supporting infrastructure like the blockchain agnostic decentralized exchange – Metria DEX and a NFT Marketplace to enable easy adoption by both new and existing projects alike. To ensure multichain compatibility, Metria infrastructure will include a two-way cross-chain EVM compatible bridge capable of supporting the transfer of crypto assets to and from Metria chain and a wide range of blockchain networks including Ethereum, Binance Smart Chain, Solana, Avalanche, Polkadot, Cardano and more.

As a package, the Metria Network will be positioning itself as a unified ecosystem where all blockchains can interoperate, exchange value, and build a sustainable liquidity marketplace for NFTs and utility tokens.

3. Problems & Limitations

3.1. Scalability

The rapid expansion of blockchain applications led to a drastic increase in the number of transactions executed over the blockchain network. The rise in transactions pushed blockchain's transaction processing capabilities to the limit, leading to delayed confirmations and severe backlogs, uncovering a major drawback in their design— lack of dynamic scaling properties to meet the demand.

To meet the growing industry requirement of scalable blockchain protocols, the developer community have come up with new blockchain protocols and layer 2 scalability solutions on top of existing protocols. While they have been successful in solving the scalability issues to a certain extent in their respective ecosystems, they further divided the entire ecosystem into multiple protocols.

3.2. Fragmented Ecosystem

The presence of multiple blockchain ecosystems, each following their own language and architecture have ended up creating closed, self-contained silos. It has created a scenario where transactions of cryptocurrencies and tokens created on a particular blockchain is limited to its native ecosystem. This lack of flexibility ends up isolating decentralized applications (dApps) from a majority of liquidity that could be available on other blockchains. It also deprives users of one ecosystem from taking advantage of dApps on a different protocol unless they are in possession of the project's utility tokens or any supported cryptocurrencies on the respective protocol. This cycle of deprivation due to lack of interoperability is detrimental to the widespread adoption of DeFi and other dApps with real world applications in consumer, government, enterprise, and financial sectors.

3.3. Low Liquidity

Liquidity plays an important role in any financial market, and the crypto market is no different. The uneven distribution of liquidity on different blockchain protocols and the absence of convenient solutions that enable inter-operability of blockchains presents a huge challenge to DeFi applications. The current situation faced by even the well-established decentralized exchange (DEX) platforms is a good example of how the absence of liquidity has resulted in them failing on their mission. The DEXs with their AMM model were supposed to create a decentralized and fair-trading environment with constantly supplied, well-balanced liquidity pools to ensure uninterrupted trades at lower costs. However, they haven't been successful due to their inability to match liquidity to market demand.

Inexpensive and seamless cross-chain transaction capabilities would have opened the doors for additional liquidity from multiple sources to meet the market demands. The same holds good to lending protocols and other DeFi products and solutions.

3.4. High Transaction Fees

Each blockchain network charges a small fee for each transaction executed on the protocol as a way to discourage spamming and reward network participants like miners, node operators, staking participants etc. The increased adoption of DeFi applications and the issues surrounding scalability of protocols have caused these transaction fees, aka gas fees on the most widely used network, Ethereum to new highs, rendering them unfeasible for transactions. Over the past year, the average transaction cost has increased to at last \$10.20, superseding the previous high of \$6 during the Cryptokitties event.

While the DeFi market continues to register strong growths, surpassing \$87 billion, a closer look at the breakdown shows an alarming trend. The driving force behind DeFi growth in the recent times are the projects that continue to adopt Ethereum as

the preferred chain and the rising value of Ethereum. However, the increased growth doesn't necessary translate to an increase in interactions with DeFi applications and DEXs.

For example, the overall volume on the Ethereum DeFi and DEX in early 2021 rose to 113% over a span of 30 days. However, active users and transactions on the Ethereum chain for DeFi and DEX have been abysmally low. A look at the number of users and total transactions on Ethereum DeFi and DEX during that period offers a clear picture.

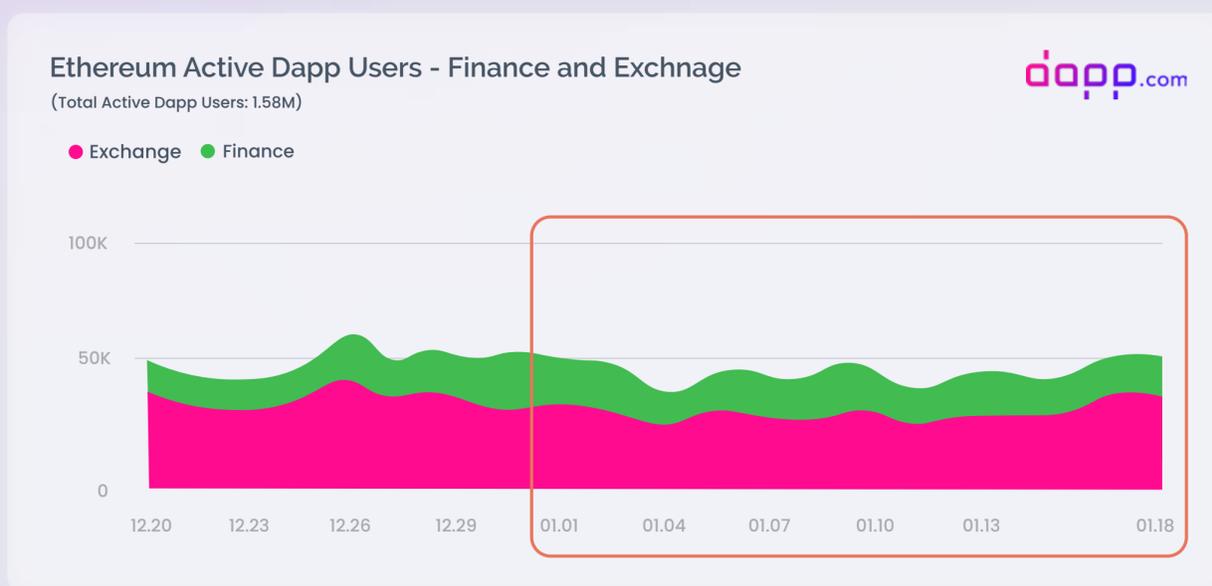


Fig.1 Graph showing the number of active users on Ethereum based dApps and DEXs between 20 Dec 2020 and 18 Jan 2021

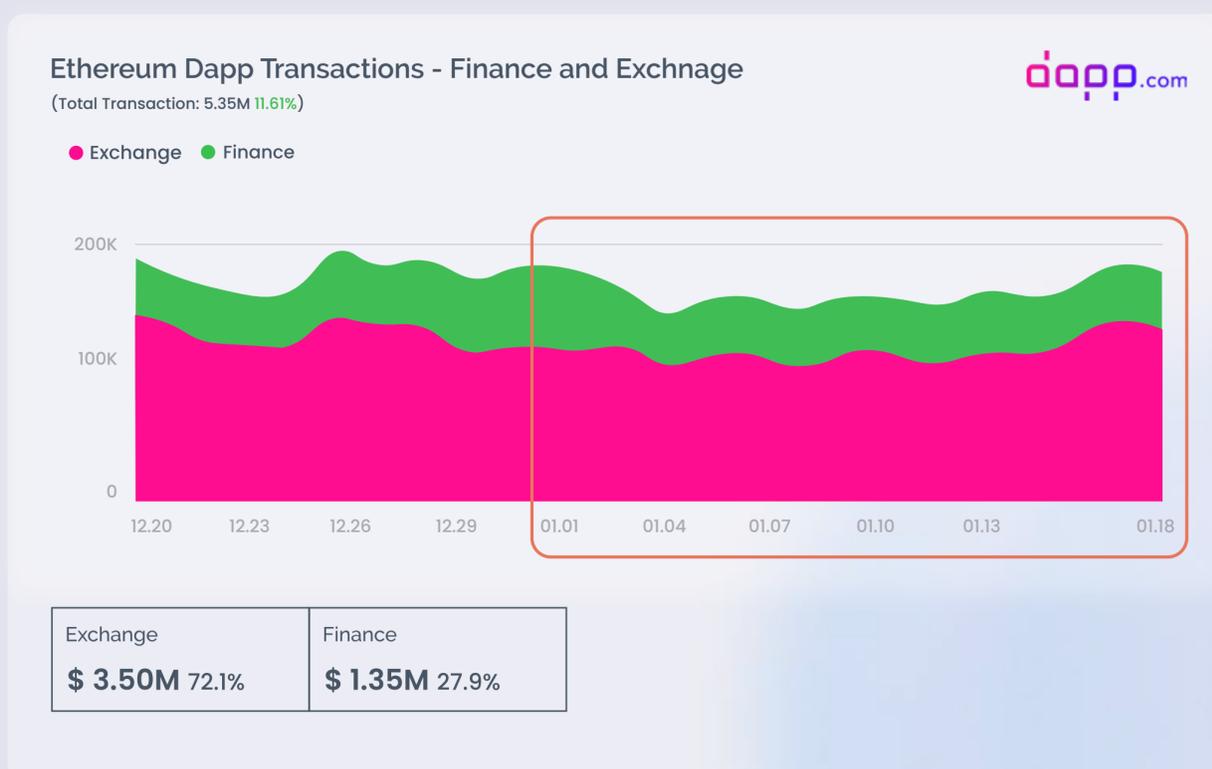


Fig. 2: A chart showing the number of transactions on Ethereum dApps and DEX between 20 Dec 2020 to 18 Jan 2021

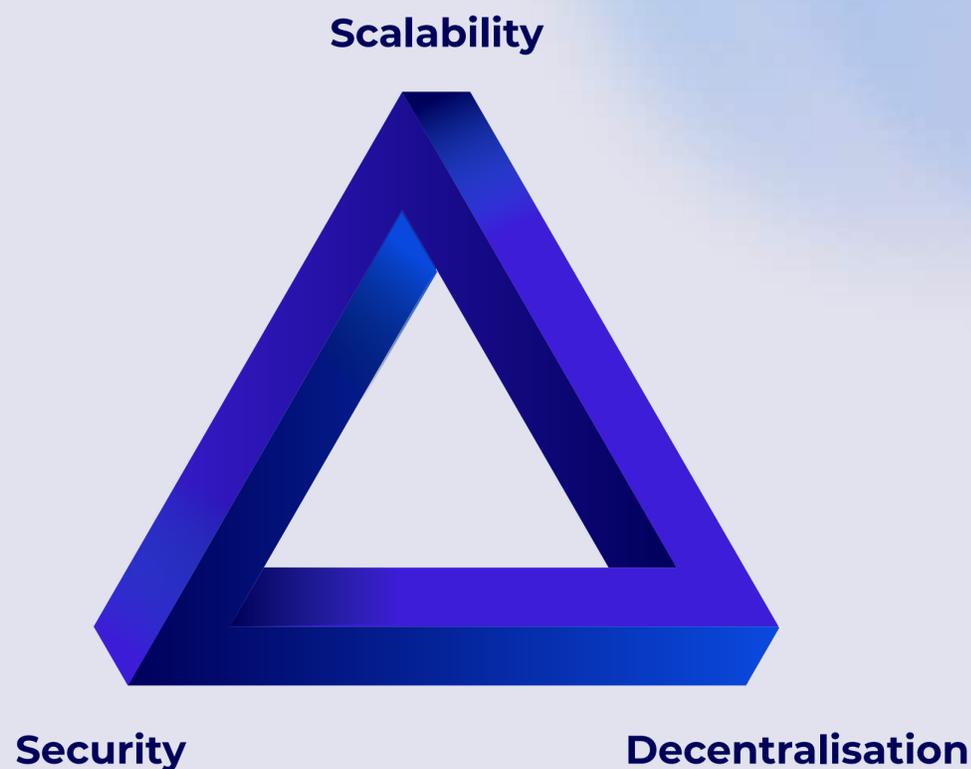
The two charts clearly indicate the correlation between gas price and usage. It can be observed that as the gas price increased, the number of users and transactions reduced. At the beginning of January 2021, the total number of active users fell abruptly as the gas price increased. A similar trend is visible with respect to the number of transactions conducted during the same period.

However, when it comes to the total value locked, it has remained more or less constant. It is mainly due to the rising value of ETH, which has managed to compensate for the reduction in influx of new funds.

Meanwhile in the NFT sector, the flood of users on popular NFT marketplaces like OpenSea caused a surge in the gas fees. In October 2021, OpenSea registered a single day gas transaction value of over \$80.5 million from 30900 users which puts the average transaction size at \$2605. During the same period, the platform had charged \$3.79 million in gas fees which, assuming 90% of these transactions were done on Ethereum at an average gas fee of 5.23%, puts the average transaction cost on OpenSea at \$151.93, excluding other fees. If deposit and withdrawal fees on transactions into and out of the OpenSea is to be considered, an individual user had to spend anywhere between \$180-\$190 on fees alone.

The rising transaction costs is detrimental to the growth of the DeFi and NFT sector, especially when majority of the projects in this space are built on the Ethereum blockchain. The high gas fees for price discovery, listing trades and NFTs has forced people to consider other alternative protocols with lower transaction fees.

3.5. The Blockchain Trilemma



The three hallmarks of an ideal blockchain are scalability, security, and decentralization. One of the challenges to addressing the limitations of existing blockchain protocols is the Blockchain Trilemma. Blockchain Trilemma is a well-accepted concept which details that attempts to improve the overall efficiency of the protocol would end up compromising one of these three important characteristics of the network. If steps are taken to improve the scalability of the ecosystem while maintaining security, it will be at the expense of decentralization. Similarly, attempts to improve security and decentralization could hamper the scalability of the platform and so on.

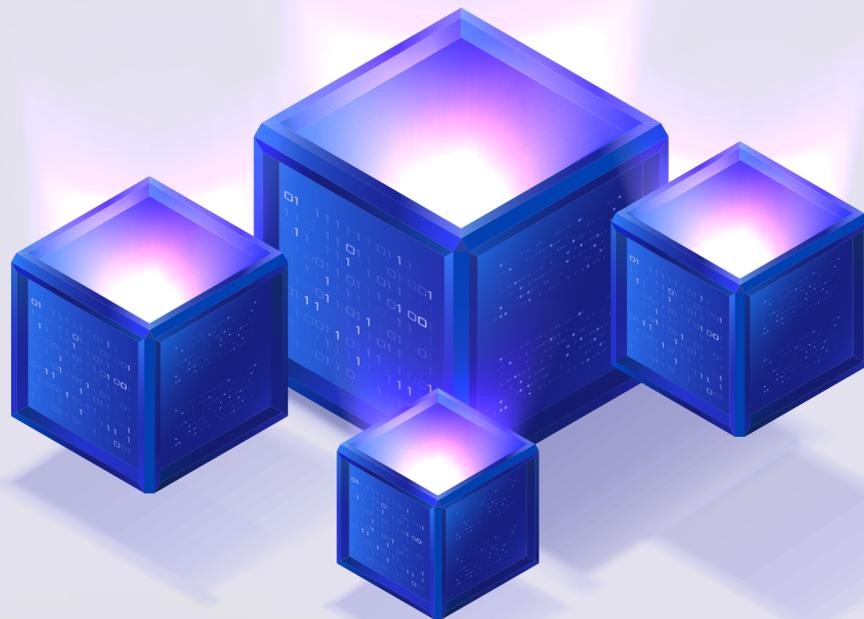
Striking a perfect balance between these three characteristics has been a difficult task on older blockchain ecosystems, which few layer 2 solutions have attempted to solve. While they met with some initial success, they ended up affecting the composability and affected liquidity on the layer 1 protocol which they were supported to improve.

Any new protocol must consider all these factors to come up with a solution that offers acceptable levels of scalability, security, and decentralization.

4. The Metria Network Solution

Metria Network aims to overcome the challenges that are currently plaguing the crypto ecosystem by creating a well-balanced solution from scratch. It has opted to create a standalone blockchain ecosystem that is EVM compatible and chain agnostic, which will enable it to bridge the obvious gaps that prevails in existing blockchain ecosystems. The EVM compatibility and multi-chain support ensures that any dApp currently built on any protocol and their respective tokens can function seamlessly on the Metria Network. Such a solution will also enable free flow of liquidity across protocols to establish a unified DeFi and NFT ecosystem.

4.1 Metria Blockchain – Addressing the Blockchain Trilemma

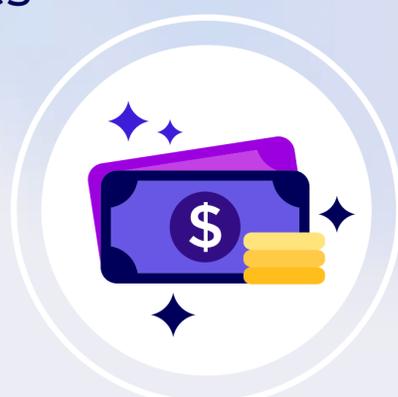


The chain agnostic, EVM compatible Metria Blockchain will be based on the concept of coded sharding-derived Polysharding consensus mechanism which enables faster transaction processing at low cost without compromising the security or decentralization. The use of polysharding will increase the processing power and transaction throughput of the network in multiples of the number of shards. In this mechanism, not every node is required to process all transactions. Instead, the nodes will be split into groups, with each of these groups handling one shard at a time. To prevent shard takeovers, the nodes can be randomly assigned to a shard at random times.

Relplicated @30 nodes



Ledger



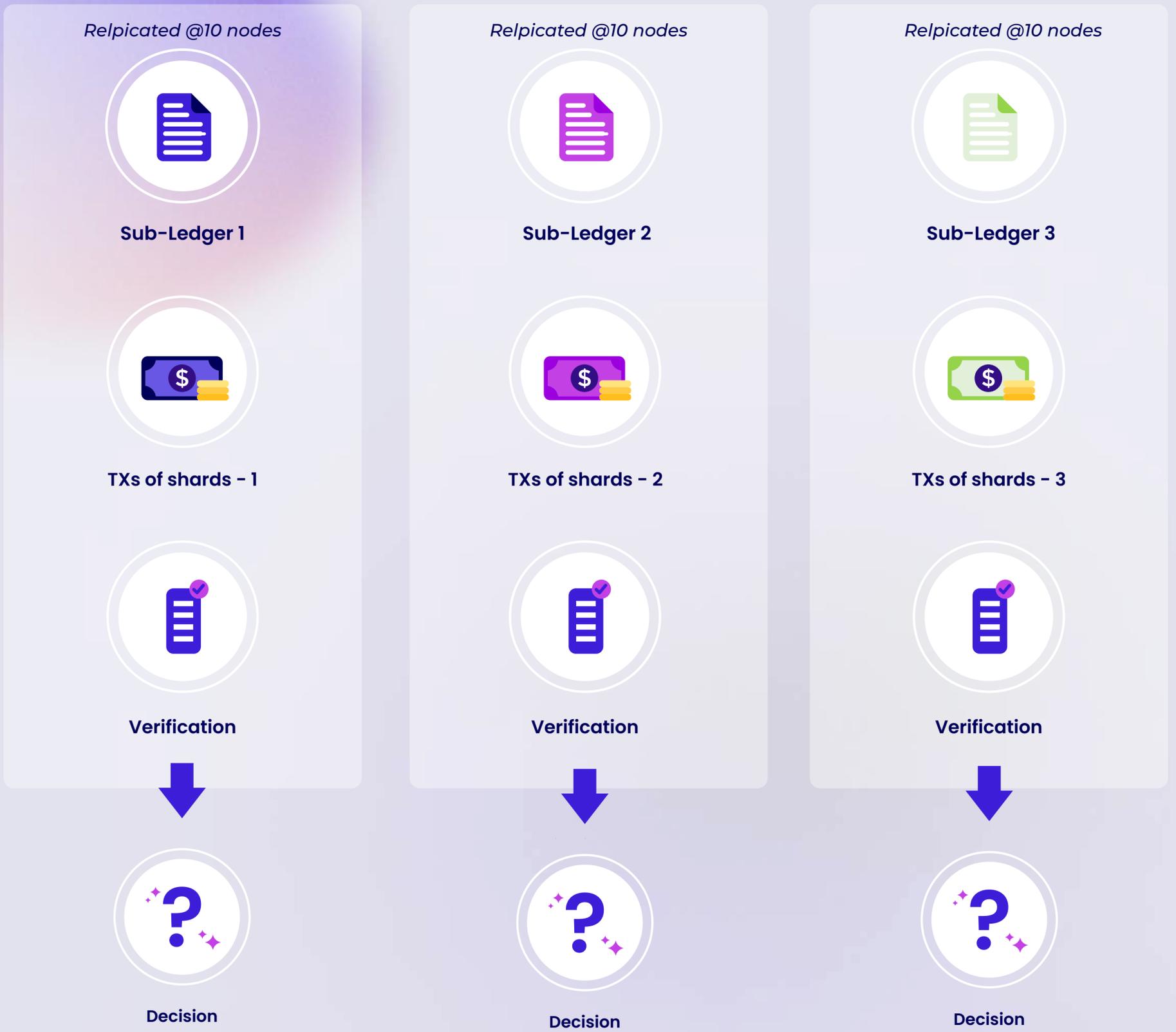
Submitted Transactions



Verification



Decision



The Polysharding consensus mechanism implemented by Metria Network will effectively solve the blockchain trilemma to create a solution that is highly scalable, decentralized, and secure. By increasing the transaction throughput while keeping the processing power requirements to a minimum, Metria will be able to keep the transaction fee to a minimum.

4.2 Multichain Capabilities

Metria ensures interoperability between multiple protocols by implementing multi-chain capabilities through two-way cross-chain asset bridges. These bridges establish remote as well as local connectivity with other blockchains. The vaults accompanying the bridges will facilitate the creation of Metria protocol compatible version of incoming assets for circulation within its ecosystem. The assets transferred from other protocols will be held by the smart contracts governing the bridges as collateral for wrapped Metria assets. These locked assets will be utilized when someone attempts to send the wrapped asset to its native blockchain using the two-way bridge. The cross-chain bridges will make it easier for users to infuse liquidity into the Metria ecosystem and also benefit from the lower transaction costs for purchase or sale of assets and NFTs as compared to native protocols of the assets in their portfolio.

4.3 Resolving Liquidity Fragmentation

As a blockchain agnostic decentralized exchange platform, Metria DEX will offer a single interface for the users to interact with any blockchain asset across different protocols. The unified interface for all DEX needs offered by Metria DEX enables users from across different protocols to infuse sufficient liquidity across multiple pools, thereby minimizing price impact and slippage.

Meanwhile, the indexing capabilities of Metria Network enables users to check yields across different pools on all the supported protocols and participate in any pool of their choice from within the Metria DEX dashboard. By enabling cross-chain pool participation, Metria can potentially drive liquidity to other AMMs while offering an opportunity for its users to earn better returns.

4.4 Driving Metaverses

The cross-chain bridging capabilities of Metria ecosystem can extend to support cross-chain NFT transfers. It opens the doors to a whole new world, especially with the concept of metaverse gaining traction in the industry. Metria can potentially make it possible for users to move their assets across different metaverses.

5. Features of the Metria Network

Metria Network, along with its native blockchain provides an advanced ecosystem for the emerging NFT and DeFi market. Built around the Metria DEX, the Metria ecosystem will be governed by its community-driven DAO (Decentralized Autonomous Organization) and provide the necessary infrastructure to build chain agnostic dApps. Using the Metria Network ecosystem, the community will be able to benefit from secure, transparent, and high-throughput infrastructure with industry minimum transaction fees.

The Metria ecosystem will be fuelled by its native \$METR utility and governance token. To encourage community participation and fuel the adoption and growth of the ecosystem, Metria will enable users to stake \$METR tokens to earn rewards and participate in the governance mechanism. The community can submit proposals for the improvement of the Metria Ecosystem, which will be subjected to off-chain voting. The results will determine whether the proposals will be implemented or not. The use of off-chain voting will help reduce the costs otherwise incurred as part of the governance process. In turn, it will encourage higher community participation in decision making process, thereby creating a conducive environment for the development and implementation of various DeFi protocols, dApps, NFT minting and marketplaces with low overhead operational expenditure.

5.1 Metria Blockchain

A prominent feature of the Metria ecosystem, the native blockchain protocol will undergo development in parallel with other ecosystem features. Until the Metria mainnet is launched, the project will continue to operate on Polygon Network, while supporting cross-chain compatibility with Ethereum and Binance Smart Chain protocols. With the introduction of the Metria mainnet, the ecosystem, including the accompanying dApps, DeFi and NFT products and services will be migrated from Polygon to the new protocol, complete with enhanced features including high transaction throughput, advanced security, low transaction fees, multichain compatibility and more.

The Metria blockchain will have its own consensus system, validator nodes and smart contracts support to enable transactions and provide a robust ecosystem for the development of future NFT and DeFi market.

Some of the advantages offered by Polygon Network made available to the Metria community during the initial days includes high transaction processing capability of over 65000 TPS, low fees, smart contracts support, multichain compatibility and cross-chain liquidity for the Metria DEX etc.

From the day one, Metria ecosystem participants will be able to experience chain-agnostic, liquidity rich Metria DEX with support for an endless list of assets from various protocols, a wider NFT Marketplace and access to a long list of DeFi products and services compatible with Polygon, Ethereum, Binance Smart Chain, and later Metria Network ecosystems.

5.2 Smart Contracts

Metria will support both Polygon-based and native Metria blockchain powered smart contracts. The initial area of focus for the team is the creation of custom smart contracts for asset-bridging application over a wider blockchain ecosystem. It will be followed by the introduction of NFT marketplace contracts where appreciators, appraisers and indexers can lock their tokens to participate as entities for faster price discovery of NFTs across different chains.

Integration of the Metria smart contracts with oracle networks enables them to receive real-time data from various sources including other DEXs, DeFi protocols and NFT marketplaces for faster indexing of various NFTs, digital assets and cryptocurrencies, driving rapid discovery and transactions over a unified dashboard.

5.3 Decentralized Cloud



The Metria ecosystem aims to achieve end-to-end decentralization across all platforms. As a secure and completely decentralized protocol, it implements the popular decentralized cloud infrastructure protocol – IPFS (Inter-planetary File System) to store and manage any data. All the information regarding various NFTs minted on the platform will be hosted by Metria NFT marketplace on IPFS.

The easy IPFS integration capabilities will be readily available to all the dApps built on the Metria blockchain.

5.4 Asset Bridges

Metria asset bridges are specialized smart contracts that enable cross-chain asset transfers between Metria and other blockchain protocols. The Asset Bridge smart contracts prevent duplication of liquidity on Metria and other connecting protocols by locking the foreign assets in a vault. The vault then mints fresh native tokens representing the locked assets for use on the Metria protocol. The freshly minted tokens act as wrapped tokens, where its value will be directly pegged against the foreign asset it represents.

The assets locked in the vault are returned to their native chain whenever someone transfers the bridged tokens to the parent network.

The smart contract burns the pegged tokens once it is returned to the bridge, following a successful transfer of locked assets to its parent protocol. By doing so, the asset bridges maintain two-way functionality to enhance liquidity on the Metria ecosystem without diluting the token value on any supported protocols.

5.5. Cross-Chain Operations



Metria Network's cross-chain operational capability is provided by the Asset Bridges which can establish two-way conversion channel between multiple blockchains. In comparison, other existing bridging solutions can only support two or three protocols at a time. The cross-chain operation capability enables Metria DEX to act as an intermediary for users who are trading tokens that are native to completely different protocols.

The cross-chain compatibility enables users to exchange and swap tokens and NFTs across a wider network with very little fee. It also enables users to swap tokens across multiple high-yield protocols to provide liquidity, exploit arbitrage opportunities and earn better returns through a single interface provided by the Metria DEX.

5.6 Unified NFT Marketplace

The Metria Unified NFT Marketplace is a single window to the entire NFT ecosystem. The marketplace comes with features that enables users to mint their NFTs and put it on sale or auction on the Metria ecosystem. These NFTs created on Metria ecosystem will get access to automatic indexing across all supported blockchain networks. Anyone on any blockchain protocol can then purchase these NFTs with the cryptocurrency of their choice.

A similar process also applies for NFTs that are minted and put on sale on different protocols. The Unified NFT Marketplace's integration with oracle networks enables discoverability of those listings on Metria ecosystem. Users will be able to purchase these cross-chain assets from within the Metria NFT Marketplace.

Apart from enabling better discoverability and price gratification, the Metria Unified NFT Marketplace also provides community-driven fair value appraisal for the NFTs. The appraisal process will require NFT value appraisers or price experts to lock their \$METR tokens in the indexer and validator smart contract vault and decide the price based on various parameters including the NFT's background, uniqueness, supply-demand analysis, and the appraiser's own experience in the market. In return for their services, the appraisers will receive a portion of the proceeds from the NFT auction as commission. However, any fraudulent valuation or malpractice in appraisal will result in the forfeiture of a portion of the staked tokens.

Through its marketplace, Metria will introduce a benchmark for evaluation of NFTs, just like it is done with real artwork and other articles in the physical world. By bringing in such a structure, the project aims to encourage creators to come up with quality work and discourage scammers from selling worthless tokens at very high price based on a promise, only to disappear with the funds.

5.7 Metria DEX

Metria DEX is the flagship DeFi product of the Metria Ecosystem. Set for initial launch on the Polygon Network, the decentralized exchange will eventually migrate to Metria ecosystem's native Metria blockchain.

Metria DEX is a blockchain agnostic DeFi protocol that offers exchange, swap, staking, and liquidity pool features in one place. Integrated to Metria cross-chain asset bridges and oracle network, the DEX protocol allows users to trade any asset from any protocol at a very low fee.

Metria DEX follows the well established AMM model with an extensive list of liquidity pairs. Users from across different protocols can participate in these pools by making use of the Asset Bridges. Liquidity providers on Metria DEX also get an opportunity to earn additional rewards by participating in farming pools within the Metria ecosystem.

The integration with oracle networks allows Metria DEX to provide information about all the high yield generating opportunities at any moment across the entire cryptocurrency ecosystem. Users can find the information on the Metria DEX dashboard, compare yields across different protocols and participate in them by making deposits directly from the dashboard. In addition, these oracle networks also enable the DEX to extend support for synthetics of real-world assets like stocks and commodities.

5.8 Synthetic Assets

Users on Metria ecosystem can generate synthetic assets for most of the supported traditional real-world assets by using the Synthetic asset vault. The Synthetic Asset Vault is a smart contract connected to an oracle network that provides real-time data feed on the values of traditional assets. In order to create a synthetic asset, users will have to first deposit an equivalent value of \$METR tokens to the contract, which will be used as collateral against which the wrapped asset will be generated. The Synthetic Asset Vaults can be customized to create synthetic tokens for a wide range of instruments by incorporating relevant oracle feed.

6. Metria Token

Metria Ecosystem is powered by its native Metria (\$METR) utility and governance token. \$METR will be the preferred mode of value exchange within the ecosystem, and it can be used to pay for access to products and services that are part of Metria Network. All the rewards and incentives on the Metria ecosystem is issued in \$METR. Holding and staking \$METR earns special privileges to tokenholders, which includes staking rewards, voting rights, discounted fees and more.

Initially, \$METR will be an ERC20 standard token compatible with all EVM supported blockchains. To begin with, \$METR will be made available on Ethereum, Polygon and Binance Smart Chain, which will be expanded to support all the partner blockchain protocols. Few prominent blockchains to follow includes Solana, Polkadot, Cardano, and Avalanche.

Token Name: Metria

Symbol: \$METR

Token Standard: ERC20

Native Chain: Ethereum/Polygon
(Metria Chain in the future)

Function: Utility Token

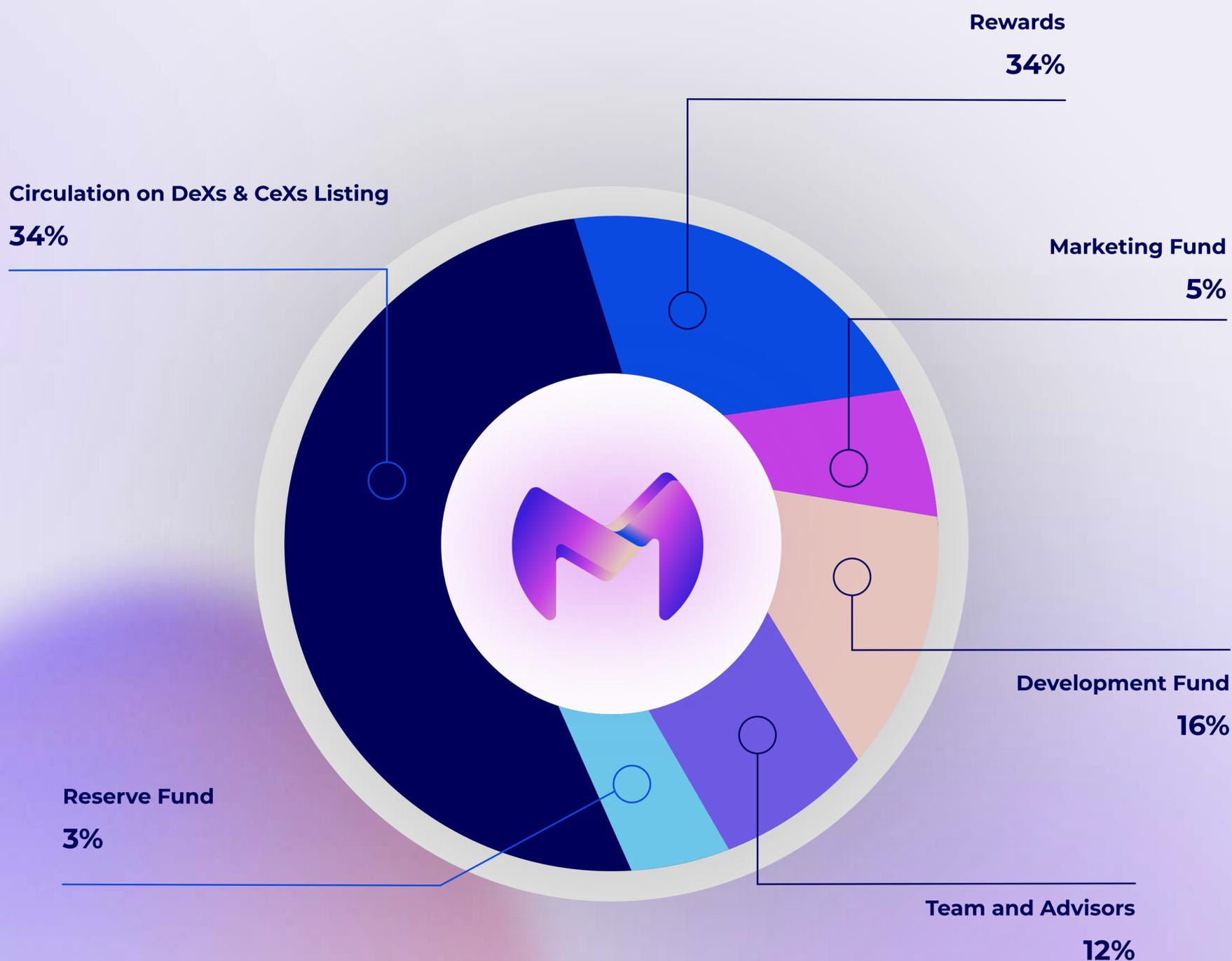
Maximum Token Supply: 100,000



6.1. Token Allocation

Metria Network has set a maximum cap of 100,000 \$METR tokens. All the tokens are allocated towards various project functions including fundraising, remuneration, incentivization, community building and marketing activities.

The distribution of \$METR can be classified under six major heads.



6.1.1. Circulation on DeXs & CeX Listing

Allocation Percentage: 34%

The \$METR tokens will be offered to the community through a two-stage process -- an Initial DEX Offering to whitelisted participants, followed by public listing on multiple DEXs including QuickSwap, Uniswap and PancakeSwap where anyone can purchase. In this there will be also a part of token allocation for CeX listing & for DeX listing in future.

6.1.2. Rewards

Allocation Percentage: 34%

The Rewards pool includes tokens that are allocated to pay out rewards associated with various governance functions including staking, yield farming and liquidity mining rewards. In addition to the \$METR from the pool, a portion of active revenues generated by the platform are also offered to users as rewards.

6.1.3. Marketing Fund

Allocation Percentage: 5%

Metria Network dedicates 5% of its \$METR supply to support the growth of its community through efficient marketing activities. The Marketing Fund allocation will be utilized to run various campaigns on multiple media channels, onboard prominent influencers and offer incentives to the broad cryptocurrency community to adopt Metria Network. The marketing fund will be instrumental in the initial days to create awareness about the project through educational resources, advertisements, etc. The allocated funds will be unlocked in a staggered phase, over a period of 5 months for the date of launch.

6.1.4. Development Fund

Allocation Percentage: 16%

The allocation comes with a lock-in period of 1-month, following which it will be utilized to fuel the continuous development of the Metria ecosystem. The Development Fund will be utilized to hire and maintain the development team, expand partnerships with other ecosystem players to further expand the scope of the project through feature additions, support for different protocols and more. The fund utilization will be governed by the Metria DAO, with the community submitting and voting on proposals for feature additions, platform improvements etc.the token. The allocated \$METR tokens are equally split between the presale and public listing on DeXs. Tokens purchased during the presale are usually made available at a lower price than that of the listing price, and subject to a phased vesting period.

6.1.5. Team and Advisors

Allocation Percentage: 12%

The allocation for Team and Advisors is straightforward and follows a strict vesting schedule of 12 months, which is the longest compared to other heads. The vesting schedule is enforced to ensure their continued commitment towards the initiative and prevent early liquidations that could otherwise lead to token dumps which could be detrimental to the project's future.

6.1.6. Reserve Fund

Allocation Percentage: 3%

The operational reserves are maintained by the project in the form of a Reserve Fund. Metria Network's Reserve Fund, with 3% \$METR token allocation will be used to cover both planned and unplanned expenses that the project may incur. It will be utilized for market making activities and provide liquidity on CEXs where \$METR is listed. Tokens allocated to the Reserve Fund will always remain unlocked, and the project may choose to replenish the fund at any time by floating a proposal for voting by the community. At any time, the total token supply in the reserve fund will not exceed 3% of the total \$METR supply.

Tokenomics	No. of Tokens	% of Tokens	Locking Period
Circulation on DeXs & CeX Listing	34,000	34%	Circulation
Team & Advisor	12,000	12%	12 Months Vesting
Staking/ Farming	34,000	34%	Over the period of time
Marketing	5,000	5%	Unlock over 5 Months
Development Fund	16,000	16%	1 Month
Reserve Fund	3,000	3%	Unlock
TOTAL	100,000	100%	

7. Staking

Staking is a crucial process for any blockchain protocol and at the same time it serves as an easy way for token holders to earn a stream of passive income. Doubling as an incentive mechanism as well as a necessity to become a validator, the staking contract on Metria network simplifies the process by offering flexible staking opportunities.

Users can easily stake their \$METR tokens through staking service providers to enable validators to enhance their stake weight so that they can process more transactions and earn rewards. The reward earned is then shared by the validator with the participants of the staking pool. Once the Metria protocol is launched, the community members will be able to select the validator they wish to support and lend their \$METR to the respective contracts.

Alternatively, by staking the prerequisite amount of \$METR, one can also choose to become a validator on the Metria Network and contribute towards the growth and upkeep of the network by validating transactions happening over the Metria Mainnet. Until Metria's native blockchain protocol is launched, token holders can continue staking on Polygon, Ethereum and Binance Smart Chain networks using flexible and fixed staking contracts provided by the project. The rewards earned through staking may vary depending on the protocol and the type of staking contract chosen by the staker. Those opting for flexible staking can deposit their tokens and withdraw them at any time to receive rewards calculated and credited on a daily basis. However, fixed staking comes with a lock-in period for a specific duration, and users can withdraw their funds only after the lock-in period expires. If anyone decides to withdraw prematurely, then they will be losing out on the staking rewards accrued so far. The rewards offered for fixed duration staking will be much higher than flexible staking.

By staking \$METR, the tokenholders will also influence the token value by constraining its supply in the market.

7.1. Yield Farming and Liquidity Mining

Yield Farming is another widely used DeFi solution by the crypto community to earn passive income. As a blockchain agnostic DEX supporting tokens from multiple blockchains, the Metria DEX offers endless yield farming opportunities to those participating in liquidity pools.

Community members can contribute a variety of cryptocurrency pairs to the liquidity pools on Metria DEX. In return, they will receive LP tokens as well as a share in the trading fees collected by the exchange as rewards. The rewards earned by yield farming is equivalent to the percentage share of one's contribution to the liquidity pool. Whenever the user wishes, they can burn their LP tokens to withdraw their assets from the liquidity pool.

Alternatively, they can also participate in the liquidity pools of all leading AMMs on Ethereum, Polygon, Binance Smart Chain, and other protocols where \$METR is listed.

Liquidity providers can further enhance their earnings by participate in Liquidity Mining. Metria DEX will enable multiple farms on a regular basis to enable its users to stake their LP tokens and earn \$METR rewards. Each of these farms will be operational for a certain duration, with a specific amount of \$METR allocated as rewards for each session. Initially, Metria Farming will be available on Polygon and Ethereum networks,

8. Metria DAO

Metria Network will be a completely decentralized community -driven project. To ensure community involvement, the project implements a DAO based governance mechanism where any \$METR token holder can stake their \$METR tokens in a smart contract to submit a proposal suggesting any changes or improvements to the ecosystem. These proposals can range from new feature additions to changes in rewards and even removal of features or introduction of penalties. All the proposals submitted as part of the DAO will be subject to voting. During the voting period, eligible community members can come forward and cast their vote to signify their acceptance or dismissal of the proposal. The results of voting will decide whether the proposal will be implemented or not.

Metria Networks uses optimistic execution -- a combination of off-chain voting with on-chain execution where the community can participate in verifiable offline polls which are recorded by tamper-proof applications like Snapshot and cast on IPFS. The poll results are then submitted by a few participants by staking a certain amount of \$METR as slashable collateral. The submitted results are frozen for a certain duration, referred to as a timelock/cooling down period. During this time, anyone can raise objections against the submitted outcomes, in which case it will be verified against the actual offline votes received by the proposal. In the event there are no objections, or the objections were found baseless, the action will be accepted and used as the basis for acceptance or rejection of the proposal.

In an event the results submitted are found to be fraudulent, those making the submission will be penalized by slashing their collateral. Participants making legitimate submissions will have their collateral refunded and offered rewards in the form of additional \$METR tokens.

9. Metria Network Project Roadmap

Metria Network has drawn a clear plan outlining the project development over the first 16 months. The roadmap consists of a rough timeline for the development of core features of the Metria Network, which will be followed by further enhancements, feature additions and expansion of the entire ecosystem.

○ 4th Quarter 2021:

- Research on Blockchain & Projects
- Team Building up
- Conceptualisation of Metria Network Concepts

○ 1st Quarter 2022:

Phase 1

- Website launch
- Release of the white-paper
- Development of Token on multiple
- Blockchains (ERC20, polygon/matic & Binance Chain)
- Deployment of the main contracts
- Smart contract audit
- Commencement of marketing endeavours & Community build-up
- Listing on DeXs like uniswap, quickswap and pancakeswap
- One Centralized exchange (CEX) listings

Phase 2

- Governance (DAO launching)
- Launching Metria Staking Protocol
- Launching Metria Farming Protocol

○ 2nd Quarter 2022:

- Team Expansion
- Metria DeX Launching
- Metria NFT Marketplace (Crosschain NFTs)
- Expansion of CEX listings (In Top 50 exchange)

○ 3rd Quarter 2022:

- Expansion of Metria NFT Marketplace
- Bringing Celebrities and auction of their NFTs on Metria NFT marketplace
- Launch of new farming Vaults
- Expansion of CEX listings (In Top 50 exchange)
- Website refresh & Mobile App launch

○ 4th Quarter 2022:

- Testnet version of Metria Blockchain
- Launching of Metria Secondary Tokens

10. Marketing and Community Building Strategies

Efficient communication is a valuable tool in any crypto project's arsenal. It helps the projects convey their vision and the initiatives they are taking to make it a reality. By doing so, they will be able to establish trust with the broader crypto community and build a strong following which will play a crucial role in the project's success. Metria Blockchain will adopt a transparent approach, ensuring that the community is constantly updated about the project's progress while encouraging them to interact with the team at any time.

Some of the common strategies to be implemented by Metria Network includes:

10.1. Open Channels of Communication on social media

The Metria Network team will make its presence felt on all widely used social media and IM platforms. The project will maintain active channels so that the community members can join, interact directly with the Metria team as well as other community members.

The prominent channel under consideration includes Telegram, Discord, Twitter, Facebook, Instagram, live chat on the website and email. All these channels will be providing constant updates about the development of the project, conduct interactive sessions between the team and the community and more.

10.2. Blog Posts and Video Updates

Metria Network will provide in-depth informative articles and videos about the project as well as other aspects of blockchain technology, DeFi and NFT ecosystems in general. These channels will act as educational resources while offering timely updates about the project at the same time.

10.3. Sustained Media Presence

The intention of organizing an efficient marketing and publicity campaign is to send the message across to a large group of audience. Using well-established media channels for this purpose will amplify the campaign's reach by many folds. Metria Network will publish press releases, sponsored posts, ad banners across major online crypto and mainstream news publications, run ad campaigns on social media and video sharing platforms, etc. to induce a sense of familiarity among the crypto community members.

10.4. Influencer Marketing

Apart from conventional advertisements and promotional activities, Metria Network will rope in some of the key social media influencers and educate them about the project. They will be encouraged to talk about the project and its benefits while interacting with their followers

10.5. Hackathons and Incubation

The Metria ecosystem will be built around the innovative Metria blockchain and the Metria DEX, both relatively new with a huge potential. In order to drive adoption among the developer community, the project will be organizing periodic hackathons where the community can utilize various available tools and services to create their own dApps. The hackathon events will be judged by industry experts and the winning teams get to enjoy various perks including a grand prize and a continued support from the Metria team through an incubation program.

The participants in Metria Hackathon and Incubation programs will be provided access to various ecosystem tools and solutions that can be readily integrated to utilize Metria Network's infrastructure. In addition, they will also gain access to an enthusiastic Metria community, who will not only be the early adopters of these projects but also potential supporters in the fundraising rounds.

These projects will be provided access to Metria's partner network and advisor teams to ensure that they have all the necessary resources at hand to achieve success.

Legal Section

Under no circumstances is any past or present team member of Metria Network liable to any legal action. The document shall not oblige, bear any claims, responsibilities, terms, performance, agreements, representations, or guarantees on behalf of Metria Network to Recipient, or devise a link between the Project and any receiver or any other individual, entity, or party.

The Metria Network does not make and hereby disclaims, any representation or warranty with respect to Metria Token. The purchase of Metria Tokens shoulders essential risks and is intrinsically contemplative. If you are considering buying, accurately evaluate and consider such risks before acquiring Metria Tokens. The Metria Network hereby expressly disclaims its liability and shall in no case be to any person for.

Restricted Jurisdiction

Crypto is for everyone without barriers or any restrictions due to the technology's permissionless premise. However, some countries have regulations and limitations that prevent their citizens from taking part in this empowering evolution. As such, nations and tax residents from the following countries cannot hold Metria tokens. The nations are the United States, Venezuela, North Korea, Pakistan, Bangladesh, Nepal, Somalia, Syria, Lebanon, Iraq, Iran, and any other jurisdiction where administrative or licensing requirements are needed for such ventures .

Thank You!