Aworld Living Litepaper

V1

Abstract

The objective of this paper is to introduce the concept of an innovative decentralized protocol for modern money markets. Aworld blockchain LTD intends to utilize smart instruments that algorithmically determine interest rates, and liquidity risk in order to autonomously manage the risk relationship between investors and projects. We firmly believe that we can optimism capital utility in any digital asset environment to create a dynamic, money market ecosystem that offers exotic new products, reduces risk, while increasing yield and financial sustainability.

The realm of Decentralized Exchanges and Decentralized Finance Tokens have been growing at an incredibly fast rate, compared to their more traditional and long standing counterparts. Decentralized Exchange trading volume surged to $3.7B in the month of July 2020, with Uniswap accounting for 47% of total trading Volume. This monthly growth outperformed Centralized Exchanges by more than 500%.

Therefore, Aworld innovatively combines the functions of aggregate mining and decentralized exchange. It uses smart contracts(1) to provide investors with one-stop high-yield, and also gives enough rewards for investors' participation in the construction of decentralized exchange. It uses project token AWO to encourage the community and Aworld to grow together, and jointly build Aworld into the whole field of DEFI unicorn.

DEFI

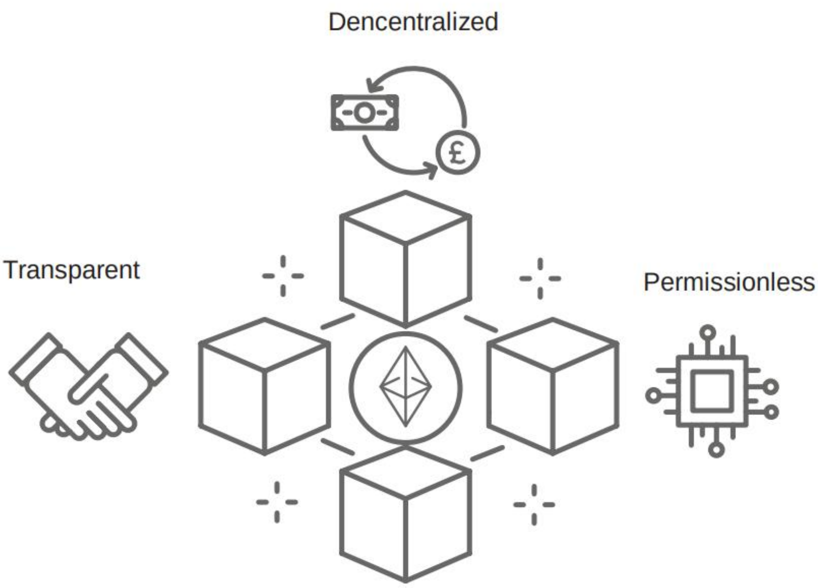
Decentralized finance, often called DeFi, refers to the shift from traditional, centralized financial systems to peer-to-peer finance enabled by decentralized technologies built on the Ethereum blockchain.

DeFi is a cryptocurrency industry movement that aims to recreate traditional banking services without centralized technologies. the DeFi ecosystem has launched an expansive network of integrated protocols and financial instruments. Now with over $7 billion worth of value locked in Ethereum smart contracts, decentralized finance has emerged as the most active sector in the blockchain space, with a wide range of use cases for individuals, developers, and institutions.

DeFi is the movement that leverages decentralized networks to transform old financial products into trustless and transparent protocols that run without intermediaries.

Whereas our traditional financial system runs on centralized infrastructure that is managed by central authorities, institutions, and intermediaries, decentralized finance is powered by code that is running on the decentralized infrastructure of the Ethereum blockchain. By deploying immutable smart contracts on Ethereum, DeFi developers can launch financial protocols and platforms that run exactly as programmed and that are available to anyone with an Internet connection.

The breakthrough of DeFi is that crypto assets can now be put to use in ways not possible with fiat or "real world" assets. Decentralized exchanges, synthetic assets, and flash loans are completely novel applications that can only exist on blockchains. This paradigm shift in financial infrastructure presents a number of advantages with regard to risk, trust, and opportunity.



Decentralized finance leverages key principles of the Ethereum blockchain to increase financial security and transparency, unlock liquidity and growth opportunities, and support an integrated and standardized economic system. The Benefits of Decentralized Finance as below.

- **Programmability:** Highly programmable smart contracts automate execution and enable the creation of new financial instruments and digital assets.
- **Immutability.** Tamper-proof data coordination across a blockchain's decentralized architecture increases security and auditability.
- **Interoperability:** Ethereum's composable software stack ensures that DeFi protocols and applications are built to integrate and complement one another. With DeFi, developers and product teams have the flexibility to build on top

of existing protocols, customize interfaces, and integrate third-party applications. For this reason, people often call DeFi protocols “money legos.”

- **Transparency:** On the public Ethereum blockchain, every transaction is broadcast to and verified by other users on the network (note: Ethereum addresses are encrypted keys that are pseudo-anonymous). This level of transparency around transaction data not only allows for rich data analysis but also ensures that network activity is available to any user. Ethereum and the DeFi protocols running on it are also built with open source code that is available for anyone to view, audit, and build upon.
- **Permissionless:** Unlike traditional finance, DeFi is defined by its open, permissionless access: anyone with a crypto wallet and an Internet connection, regardless of their geography and often without any minimum amount of funds required, can access DeFi applications built on Ethereum.
- **Self-Custody:** By using Web3 wallets like MetaMask to interact with permissionless financial applications and protocols, DeFi market participants always keep custody of their assets and control of their personal data.

General issues

In addition to the above, there remain several issues that DEFI programs need to address:

- **Design Loopholes:** While not intended, DEFI programs might have the potential for users to “game” the incentives. On Compound, for example, recursive borrowing & lending likely resulted in “fake” volume and crowded out real users. By some unconfirmed estimates, this could be over 30% of Compound’s reported supply value (i.e. if there is ~$1B supplied, ~$700M of that is non-recursive value). This user behavior doesn’t provide much value for Compound because much of the liquidity in the protocol isn’t accessible by other users.

- **Technical risk:** Security audits are expensive and teams who want to do a fair launch often don’t have the resources to complete one beforehand. This has resulted in bugs found in mainnet contracts, leading to losses of user funds. This also gives an advantage to those with the technical expertise or resources to check the veracity/safety of contracts.

- **“Rug-pulling”:** Even if unintended bugs aren’t present, the fact that most liquidity mining programs today are started by pseudonymous founders makes them the perfect breeding ground for scammers. These malicious actors could exploit the contracts (e.g. by calling the “mint()” function like Hotdog or simply selling tokens like Yuno) with little to no repercussions. More technical users could understand these attack vectors by using tools like Diffchecker, but DEFI remains a dangerous game for retail participants.

- **Information asymmetry:** While the aim is fair distribution, insiders likely have a head start in the first few minutes/hours of a DEFI program, which leads to an unfair advantage relative to retail participants. One way of addressing this is by giving sufficient notice that a DEFI program will be starting.
- **Gas costs:** High ethereum gas fees tend to "price out" small participants, leaving LM programs to those who could afford to pay the gas fees. This hurts token distribution and lower-value projects like those focused on NFTs and gaming.

Aworld ecosystem

The establishment of Aworld will become the only innovative company in the decentralized financial DeFi world. We creatively solve the problems in the existing DeDi market. Through strong experience in intelligent contract interaction and risk management, we use the advanced technology of blockchain to combine a series of intelligent protocols, which bring excellent participation experience and one-stop high income for investors, and constantly capture the growth price of DeFi At the same time, it also gives investors more economic value.

The overall ecological design of Aworld includes several phases, such as yield aggregator vault, staking, liquidity mining, Aworldswap, and lending platform etc. AWO is the unique economic token of Aworld, which will be 100% mined by investors,

The Aworld team has no pre-mine, no pre-sale, no private placement. The community will hold all AWO token and participate in project governance.

Aworld AWO tokenomics

AWO is a ERC20 DeFi token issued by Aworld. The goal is to create a new technology that favors the individual over the affluent and has longevity. Most of the current systems in the market are not trustworthy. Their only goal is to enrich their creators and quickly exit the scene.

AWO has formulated a unique algorithm that rewards its participants for investing and staking major tokens, but disincentives being overly greedy. The Aworld platform is designed to continually provide value to its holders by reducing inflation as time goes by, thus sustaining token value.

with 100% of the token distribution allocated to Aworld members. $AWO is a fair deployment for all honest hard working members.

AWO maximum supply: 3,000,000
Initial buyback price: 1 USDT

Token Distribution:
1,000,000 $AWO in phase 1(Aworld vault)
1,000,000 $AWO in phase 2(Aworld staking）
1,000,000 $AWO in phase 3(Aworldswap liquidity mining)

Aworld Aggregator vault

Ordinary users have a very high threshold to participate in DEFI. They need to face wallet registration, key management, interaction between wallet and protocol. They also have to face different types of DEFI, which will involve various interactions such as lending, trading, mining, pledge, synthetic assets, NFT, etc. At the peak, ordinary users even have to pay hundreds of dollars for each transaction.

Therefore, the core business of Aworld is to have a yield aggregator vault for the highest APY, using a series of strategic contracts. The emergence of the Aworld aggregator can make it easier for ordinary users to participate in DEFI. Basically, you deposit the token supported by the system, and then automatically get the benefits from the policy. Through its professional experience and powerful technology, it selects safe and reliable high-yield ore pools. In the complex process of contract interaction, the vault will also save you a lot of gas expenses, because you only need to deposit and withdraw money, without worrying about complex operation, high cost, selection, security and other issues.

Aworld investors will receive AWO token weekly, based on 1% of investment value.

$$WeeklyAWOamount = \frac{Vaultinvestmentvalue * 1\%}{CurrentAWOprice}$$

Maximum 1,000,000 AWO token will be distributed in Aworld vault phase(Phase 1).

Aggregator is a tool that uses the composability and Permissionless of defi to automatically find higher revenue strategy, which can help users improve revenue. The underlying protocol is the basis of revenue generation. By continuously connecting and comparing various project data, the aggregator is responsible for the optimization and integration of revenue and final implementation. So the aggregator is more in line with the interests of ordinary users, more flexible and more profitable.

With Aworld DeFi protocols, you are the custodian of your own crypto funds. Crypto wallets like MetaMask, Gnosis Safe, Trust and Imtoken help you easily and securely interact with decentralized applications to do everything from buying, selling, and transferring crypto to earning interest on your digital assets. In the DeFi space, you own your data: MetaMask, for example, stores your seed phrase, passwords, and private keys in an encrypted format locally on your device so that only you have access to your accounts and data.

Meanwhile, Aworld company will buy back AWO token from whom want to sell by the instant exchange from the company yield aggregator profit. Each buy back transaction will be charged 5% fees from seller. All the AWO holder will receive 50% of transaction fee monthly which distribute based on the value they invest in Aworld vault, the other 50% transaction fee and all the AWO token from buy back will be destroyed forever. So the total supply of AWO will be decreased all the time until nobody sell them for destroy.

Aworld staking

Aworld investors are allowed to stake AWO and USDT for mining AWO token. Maximum 1,000,000 AWO token will be distributed in Aworld staking phase(Phase 2).

Beside that, in order to reward the members who are support Aworld project at Vault phase, Once the distribution of 1,000,000 AWO token in Aworld vault phase is completed, we would like to increase a staking pool for the members by staking their Vault proof, which is the proof of their investment. So that, Aworld staking will have 3 staking pools include AWO pool, USDT pool, and Vault proof pool.

Phase 2 distribution method:

AWO pool,
AWO token will be distributed monthly based on 10% of AWO staking value.

$$MonthlyAWOamount = \frac{AWOstakingvalue * 10\%}{CurrentAWOprice}$$

USDT pool,
AWO token will be distributed monthly based on 8% of USDT staking value.

$$MonthlyAWOamount = \frac{USDTstakingvalue * 8\%}{CurrentAWOprice}$$

Vault proof pool,
AWO token will be distributed monthly based on 0.8% of vault investment value.

$$MonthlyAWOamount = \frac{Vaultinvestmentvalue * 0.8\%}{CurrentAWOprice}$$

Staking cryptocurrency means that you are holding cryptocurrency to verify transactions or support the network. In exchange for holding the crypto and strengthen the network, you will receive a reward. You can also call it an interest. With staking you can generate a passive income by holding coins(in the form of AWO tokens).

Aworld liquidity mining

Aworld investors are allowed to stake AWO-USDT and AWO-ETH as a LP token for mining AWO token when Aworldswap launch. Maximum 1,000,000 AWO token will be distributed in Aworld liquidity mining phase(Phase 3).

Investors stake AWO and USDT by 1:1 value in our Aworld liquidity pool to get AUSDT LP token and stake AWO and ETH by 1:1 value to get AETH LP token. Both AUSDT and AETH are allowed to stake in the liquidity pool for mining AWO token.

Phase 3 distribution method:

AUSDT pool, AWO token will be distributed monthly based on 10% of AUSDT value.

$$MonthlyAWOamount = \frac{AUSDTstakingvalue * 10\%}{CurrentAWOprice}$$

AETH pool, AWO token will be distributed monthly based on 10% of AETH value.

$$MonthlyAWOamount = \frac{AETHstakingvalue * 10\%}{CurrentAWOprice}$$

Anyone exchange ERC20 token though Aworldswap will be charged 0.3% exchange fee. 50% of exchange fee will be rewarded to all AWO holders based on their AWO token value, 40% of exchange fee will be rewarded to the liquidity provider, 10% of exchange fee will be rewarded to Awrold team as company profit.

Aworldswap

Aworldswap (Phase 4) is a automated protocol for exchanging every ERC-20 tokens on Ethereum. It makes tradeoffs decentralization with eliminates trusted intermediaries and unnecessary forms of rent extraction, allowing for fast, efficient trading which the censorship resistance and security are prioritized.

Centralized exchanges require expensive listing fees simply not affordable for early stage projects. The rate of growth of application layer blockchain technology was dramatically slowed by this lack of liquidity. Potentially valuable projects were left behind by investors concerned with their ability to sell these highly non-liquid, unlisted ERC20(2) tokens. The emergence of Aworldswap factory will create a massive rise in the number of low marketcap ERC20 tokens experimenting with new business models. Of these, the most fascinating being dividend bearing tokens.

These tokens usually have a source of revenue, such as a transfer tax, that is trustlessly distributed to stakers who have locked their tokens into a Smart Contract. The result is a positive feedback loop as higher market capitalization drives activity, increasing rewards to stakers, increasing total locked supply, and thus increasing the value of the remaining unlocked tokens.

The best dividend bearing tokens lock substantial Ether in Aworldswap, guaranteeing liquidity for stakers, traders, and investors. Many popular tokens have successfully followed this strategy to launch themselves from low to mid-market capitalisation. The ability to scale project marketcaps, increases funds available to the developers and community, resulting in more innovative blockchain applications.

Aworldswap is an automated liquidity protocol same like uniswap which with the core each pool uses the function x*y=k to maintain a curve along which trades can happen. There is no centralized party, no orderbook and no central facilitator of trade.Each pool is defined by a smart contract that includes a few functions to enable swapping tokens, adding liquidity and more.

Core Concepts

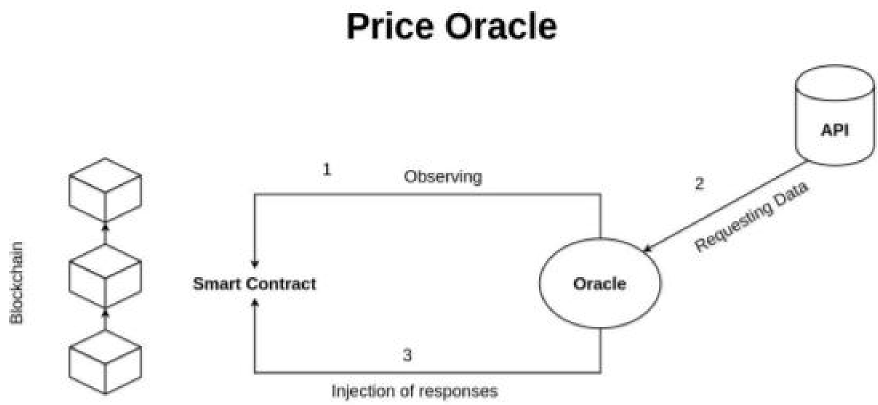
Swaps
Token swaps in Aworldswap are a simple way to trade one ERC-20 token for another. It is a unique platforms which is different from trades on traditional platforms.

Aworldswap uses an automated market maker(3) mechanism to provide instant feedback on rates and slippage(4).There is no order book to represent liquidity or determine prices.

For users, swapping is intuitive, a user picks an input token and an output token. They specify an input amount, and the protocol calculates how much of the output token they'll receive, then execute the swap with one click, receiving the output token in their wallet immediately. Aworldswap is incredibly useful because they obviate upfront capital requirements and unnecessary order-of-operations constraints for multi-step transactions.

Pools(5)
Each Aworldswap liquidity pool is a trading venue for a pair of ERC20 tokens.
In order for the pool to begin facilitating trades, the first liquidity provider(6) must seeds it with an initial deposit of an equal value of both tokens and sets the initial price of the pool(7). When other liquidity providers add liquidity to an existing pool, they must deposit pair tokens proportional to the current price.

Oracles
Aworldswap enables building highly decentralized and manipulation-resistant on-chain price oracles. Price oracles with varying degrees of decentralization and security are a crucial to the viability and security of DeFi protocols.



Looking behind, Thinking ahead

The technological and investor landscape within the cryptocurrency space is ever changing and ever evolving. With its natural organic growth, increased uptake by the masses, and developing future use cases, the premise to secure both project and investor alike is ever more important.

A Short History

Looking back, we can see a colorful and expansive history in the world of cryptocurrency. From humble beginnings in 2009 when the first Bitcoin was mined, to 2011 when Bitcoin was valued at $0.30 (marketcap in excess of $1 million), the industry has been under constant development. The first large scale theft occurred on February 14th 2014, and affected the Mt Gox exchange – during this theft, hackers were able to steal 6% of the total circulating Bitcoin at the time3 (this was estimated at over $400 million.)

With the development of blockchain technology, new cryptocurrencies began to be released – of these, one of the most influential to date has been that of the Ethereum network. With the advent of the ERC20 token, technological advancements have allowed developers and projects the opportunity to bring to life valuable assets, products and services.

The Future is Aworld

Key points for successful trading markets include that of positive investor sentiment, fund and monetary liquidity, and continuing project developer commitments and advancements. With the large increase and prevalence of Uniswap rug pull scams, the above key points are under fire with the end result being failure of the system.

Failure of the system is all encompassing – investor sentiment declines,liquidity in markets is substantially reduced, and valuable projects never get to fully develop. This flaw is further increased by rug pull scams.

Liquidity Dividends Protocol, with the advent of Aworld, aims to end rug pull scams through the use of intelligent technology, project transparency, and timely intervention. Aworld grants the potential future investor a 'seal of safe' on their project investment opportunity, and grants the project development team an efficient, brand-backed liquidity provide process.

Conclusion

By our discussion above, we conclude that the market requirement of a trustless, certified yield aggregator process is paramount to the continuing future development of ERC20 tokens and projects, and also for the future security of potential investors. Without Aworld, investors remain as likely targets for rug pull scams, and projects with valuable technologies may never see the light of day.

Roadmap

Q4 2020
Website Launch
Yield Aggregator Vault Dashboard Launch
Member Dashboard Launch

Q1 2021
Aworld Staking Pools Dashboard Launch
Aworld Staking Incentive Protocal Launch
AWO Staking Pool Launch
USDT Staking Pool Launch

Q2 2021
Aworld Liquidity Pools Dashboard Launch
Governance Dashboard Launch
AWO Token Holder Voting Protocol Launch

Q3 2021
Aworldswap Dashboard Launch
Incentivized Aworld DAO Protocol Launch
Publish Research & Thesis on Aworld chain built on the blockchain Sandbox Tools

Q4 2021
Aworld Chain beta version testing
Inaugural Hackathon for Developers (incentivizing developers to build and research consensus protocols on Aworld)
(Prototype) for Easy One-click Deployment on Aworld chain
Research on decentralizing the asset value evaluation process for determining farming rates with off-chain oracles

Glossary

(1) **Smart contract:** a computer protocol designed to disseminate, validate or execute contracts in an information-based manner. Smart contracts allow trusted transactions to be made without a third party, which are traceable and irreversible.
(2) **ERC20:** ERC20 tokens are fungibile tokens on Ethereum. Aworldswap supports all standard ERC20 implementations.

(3) **Automated market maker:** An automated market maker is a smart contract on Ethereum that hold on-chain liquidity reserves. Users can trade against these reserves at prices set by an automated market making formula.
(4) **Slippage:** The amount the price moves in a trading pair between when a transaction is submitted and when it is executed.
(5) **Pool:** Liquidity within a pair is pooled across all liquidity providers.
(6) **Liquidity provider / LP:** A liquidity provider is someone who deposits an equivalent value of two ERC20 tokens into the liquidity pool within a pair. Liquidity providers take on price risk and are compensated with fees.
(7) **Pair:** A smart contract deployed from the Aworldswap Factory that enables trading between two ERC20 tokens.

Risk Warning

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The Uncertainty Regulatory

If local governments object the spread of cryptocurrency in business, it may issue laws and regulations restricting the use of cryptocurrency. The regulation of the blockchain market may change from time to time. Due to the uncertainty of regulations, investors may not be able to access or use AWO Tokens because Aworld has no comply with the regulation of some country.

The Risk of Project

Because of the uncertainty of the future of cryptocurrency, Aworld may not guarantee the success of the Aworldswap project, but we ensure that the team will make every effort to release the product and achieve our goals.The purchaser should have sufficient knowledge and experience in commercial and finance and have a full understanding of blockchain technology or cryptocurrency and other crypto assets, smart contracts and storage mechanisms.

The Risk of Losses Wealth

Although the AWO Token should not be considered as an investment, the price and value of the AWO Token may increase over time. If the Aworld ecosystem is not robust enough, the price and value of the token may fall. If the token is lost or the price goes down, you do not have a private or public insurance representative available for help.

References

Azmi, E. (2020). July 2020 CoinGecko Monthly Crypto Report.

Adam, August 2020. Uniswap Protocol Overview

Dmitriy Berenzon. Oct. 2020 Medium report. (Liquidity Mining: A User-Centric Token Distribution Strategy)