

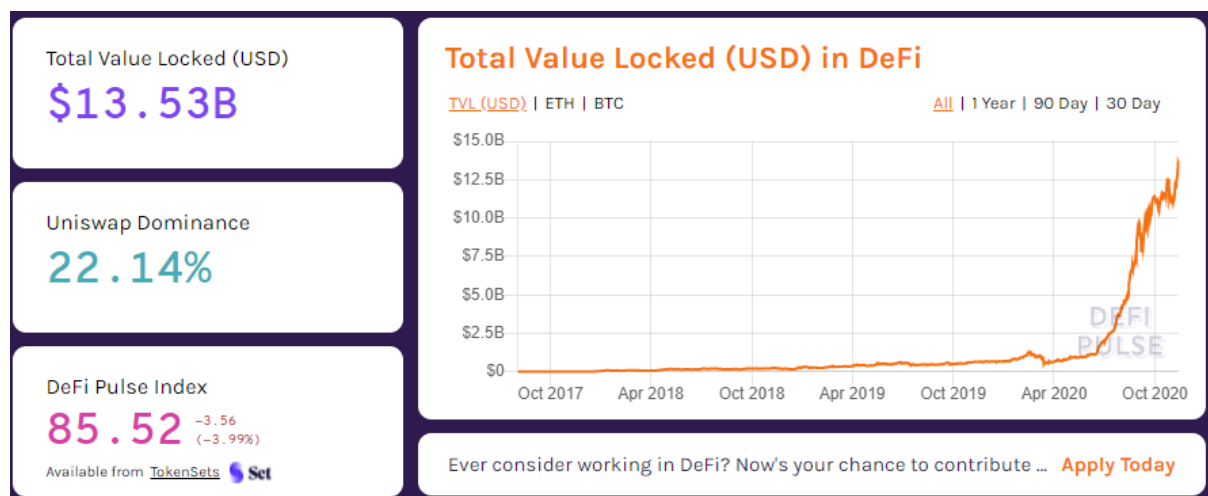
PiSwap Litepaper

Version 0.6

November 2020

Introduction

In 2020, the Decentralized Finance (DeFi) ecosystem was predicted to explode and became a trend, despite the concept of DeFi has not yet been popularized at the beginning of the year. According to DeFiPulse data, it would take up to 2 years for the Total Locked Value (TVL) to reach 1 billion dollars from Q4/2019. But surprisingly, in less than 6 months (from March to July 2020), the TVL has increased from 550 million to 4 billion USD (a tremendous increase of 727%).



With a potential and scalable DeFi space, many new and innovative products have appeared continuously, creating attractive profits. Many financial experts have stated that DeFi will grow exponentially, and soon becomes the "**Internet of Money**".

However, the current DeFi platforms have profound limitations on decentralization, resulting in limited tools that individuals/ organizations can use. For example, if a developer wants to integrate a DeFi application into the project, he must develop the

application from scratch or ask other DeFi agencies for supports. Such process creates a loss in time, money, effort or produces weak security. That is one of the reasons we decided to develop the DeFi - PiSwap platform.



PiSwap is a new generation DeFi platform, fully integrated with tools to help users to access DeFi easily, quickly and securely. At the moment PiSwap platform is developed on Ethereum Blockchain (ERC20).

Compare some notable DeFi platforms with PiSwap

Index	Yearn Finance [FYI]	Flamingo [FLM]	Harvest Finance [FARM]	PiSwap [PIS]
TVL [Total Value Lock]	\$367.3 mil	\$1.6 bil	\$900 mil	New DeFi
Token Price/Market Cap	\$16,000/ \$490 mil	\$0.15/ \$22.5 mil	\$124/ \$33.3 mil	\$0.3 /\$3 mil
Yield Farm [Staking/LP]	✓	✓	✓	✓
Create DeFi Apps	✗	✗	✗	✓
Cross-chain Asset	✗	✓	✗	✓
DAO	✓	✓	✓	✓
Swap	✗	✗	✗	✓
NFT Token	✗	✗	✗	✓
Game	✗	✗	✗	✓
Refferal	✗	✗	✗	✓

PiSwap with the mission of "Providing fully supportive DeFi tools for the users", emphasizes our belief in ETH 2.0, in which Decentralized Finance is the key factor. We will develop at an early stage and gradually hand over the operating and management system to the

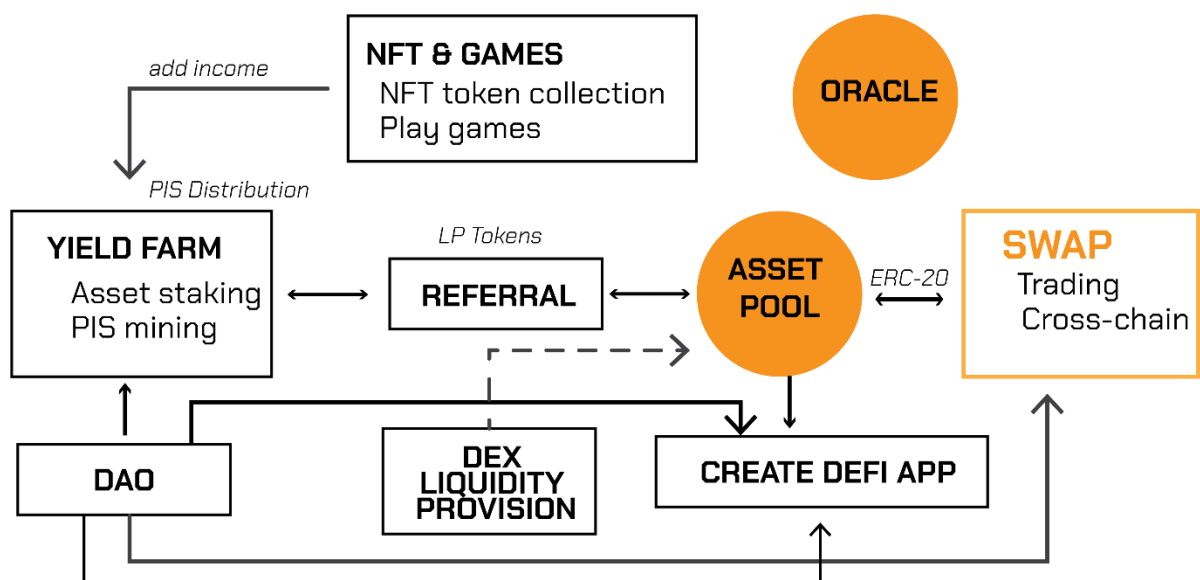
community in the form of a miniature decentralized state called DAO. A DAO, or Decentralized Autonomous Organization is a system that has no manager, all processes and rules are encoded as a smart contract, operational policies will be executed through proposals, and voting from PIS Token holders.

PiSwap consists of 6 modules:

- Swap – Trading Tokens and Cross-Chain Assets.
- Yield Farm – Provide liquidity (Pools).
- Referral – Commissions, increase users and TVL.
- Create DeFi Apps – DeFi applications developed by users.
- DAO - Decentralized Autonomous Organization.
- Game & NFT – Increase revenue and provide entertainment through NFT collection and gaming.

PIS is the governance token of PiSwap and will be distributed to the community for contributing to the PiSwap platform.

Model of PiSwap's Modules



Swap

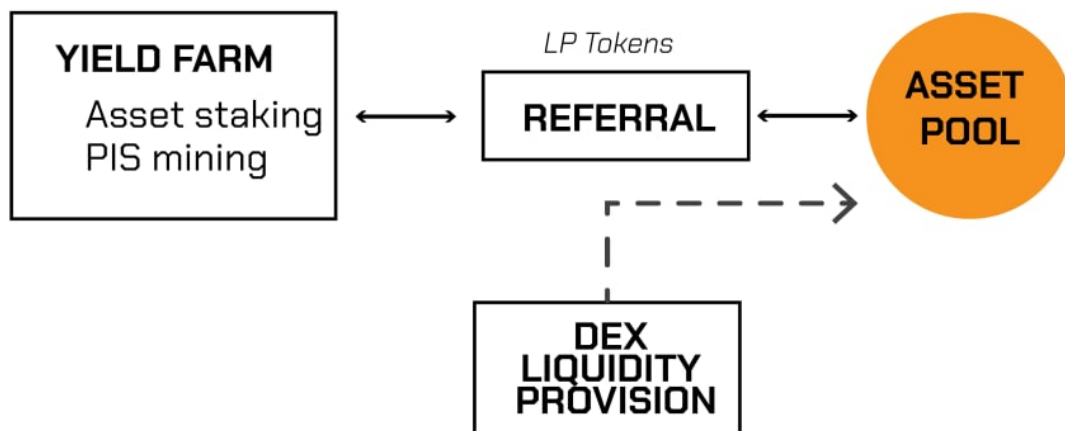
First feature of Swap: users can trade any token pairs. Upon choosing a token and quantity to trade, users will be matched with the price and quantity of the target's token (decided by the liquidity pool status). Instead of using a traditional buy/sell order book, both sides of the trade are pre-funded by on-chain liquidity pools in Swap. The current trading fee is set at 0.1% - 0.3%.



Second feature of Swap: Cross-chain network integration to bring a variety of assets into the Ethereum Blockchain

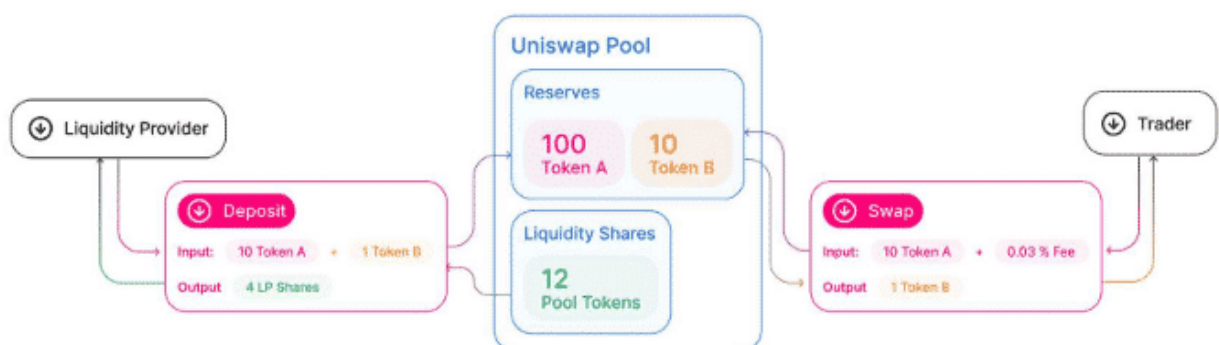
Yield Farm

Yield Farming (YF), also known as liquidity mining, is a way to generate rewards for holding cryptocurrencies. In simple terms, users lock their tokens and receive token reward. It's just like participating in Staking.



However, YF works in a slightly different manner from staking. To earn reward, liquidity providers (LP) are required to provide liquidity to the protocol's liquidity pool.

A liquidity pool is composed of a pair of ERC-20 tokens. Users can establish a new liquidity pool to deposit two types of ERC-20 tokens to supply liquidity or choose an existing pool to deposit equivalent fiat value liquidity on both sides of the trading pair. Consequently, liquidity providers can get an LP token corresponding to their deposited assets.



LP tokens represent liquidity providers' right to redeem their assets and earn passive income via trading fees, proportional to their contributions to the pool. 100% of the trading fees in Swap will be distributed to liquidity providers, which means the amount of the underlying tokens that can be redeemed by each LP token

increases. LP tokens will be burned when liquidity providers withdraw their liquidity, and they can get back their deposited ERC-20 token pairs.

Yield Farm is integrating asset staking LP Token. PIS will be released and users can claim the distributed PIS by will.

Initially, the PiSwap project will contain three main phases with more are projected to be developed in the future.

* **Phase 0:** from 12/01/2020 to 12/30/2020 – 30 days

1 million PIS will be distributed to users by staking LP Tokens into Yield Farm. PIS starting price is \$0.3/PIS.

* **Phase 1:** from 1/1/2021 to 30/1/2021 – 30 days (estimate)

Based on PIS token price (price A) at 0:00:00 (GMT + 2) on 12/30/2020 to calculate the amount of PIS token as reward in Phase 1.

$$PIS (Phase\ n) = \frac{PIS (Phase\ n - 1) * A(Phase\ n - 1)}{A (Phase\ n)}$$

Notes:

- *PIS (Phase n) = Number of PIS used as reward for next Phase*
- *PIS (Phase n-1) = Number of PIS used as reward for current Phase*
- *A (Phase n) = PIS price at the end of the current Phase*
- *A (Phase n-1) = PIS price at the start of the current Phase*

Example:

PIS Price (USD)	Phase 0 (PIS Distribution)	Phase 1 (PIS Distribution)
0.3	1.000.000	1.000.000
0.6	1.000.000	500.000
0.9	1.000.000	333.333,333
1	1.000.000	300.000
3	1.000.000	100.000

* **Phase 2:** from 2/1/2021 to 2/30/2021 – 30 days (estimate)

Applying the formula in Phase 1 will get the amount of PIS Token for Phase 2.

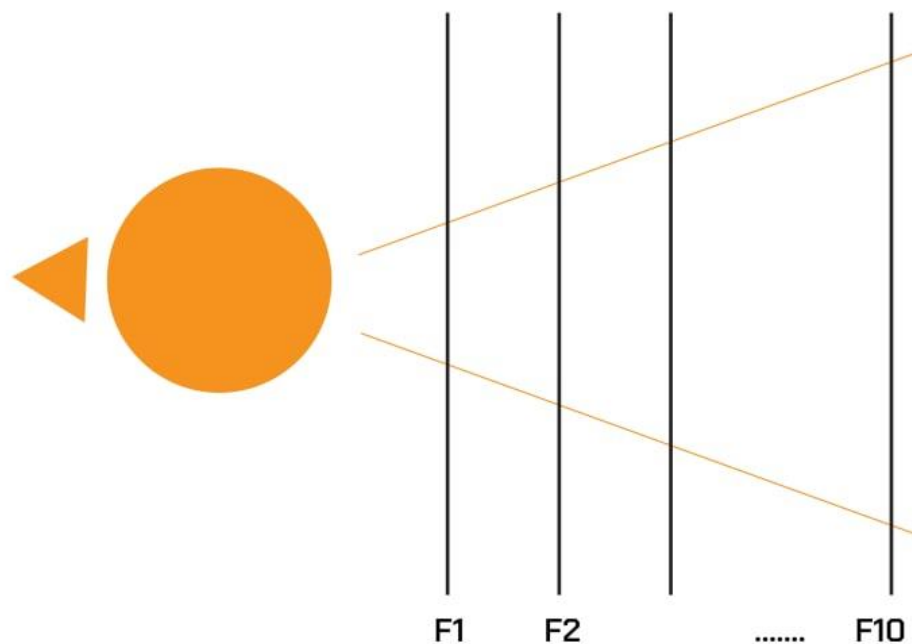
Referral

One of the few limitations in market growth of any DeFi platform is the referral bonus. This is an extremely important incentive system in the era of "Internet is Money". Hence, we've developed a one-of-a-kind Referral mechanism to create incentive rewards and motivate the PiSwap community to expand. Through our unique Referral program, the TVL will grow faster than any existing DeFi platform.

F1	F2	F3	F4	F5	F6	F7	F8	F9	F10
5%	4%	3%	2%	1%	1%	1%	1%	1%	1%

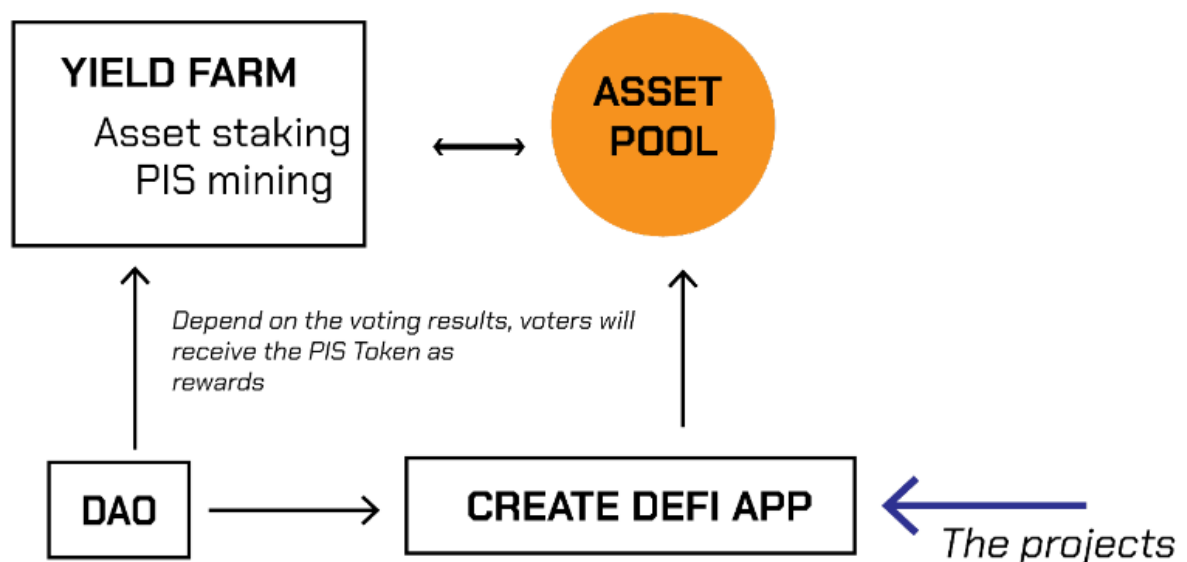
Notes:

- Activate Referral mechanism when creating LP Token with a minimum of 1,000 PIS.
- Selling point: 10-levels referral system.



Create DeFi Apps

Aiming toward a DeFi platform for all projects and users, PiSwap provides a full range of tools to help projects develop DeFi Apps easily and securely on PiSwap platform.

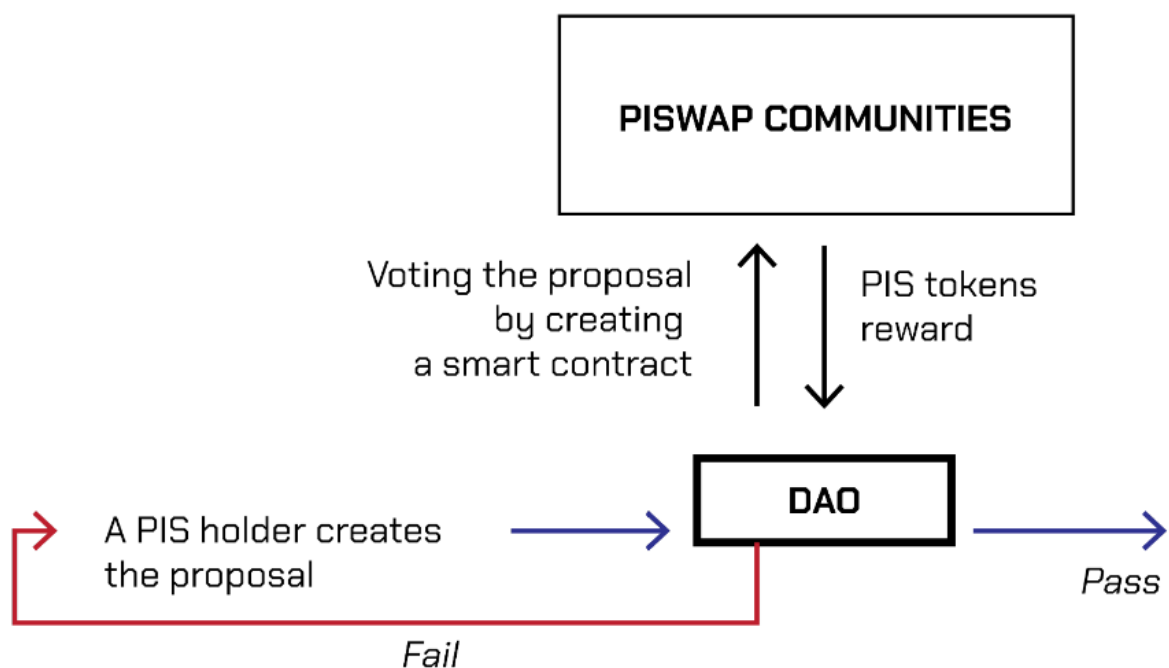


The acceptance of a DeFi Application operating on the PiSwap platform must be approved by reaching the consensus of voting system in Decentralized Autonomous Organization (DAO)

Depend on the voting results, voters will receive the PIS Token as rewards.

DAO

In the long-term, the governance of PiSwap will be taken over completely by the community in the form of PiSwap Improvement Proposal and PiSwap Configuration Change Proposal. Through DAO, PIS holders can vote for critical topics such as tokenomics, parameter configuration and functionality improvements/changes. Voters will receive PIS for participating in governance.



PiSwap will distribute PIS 90% based on contribution to the platform with 10 % for Initial Liquidity. PIS distribution in the early stage will be determined by the PiSwap Team, and the long term distribution of PIS will be determined by DAO through PIS voting.

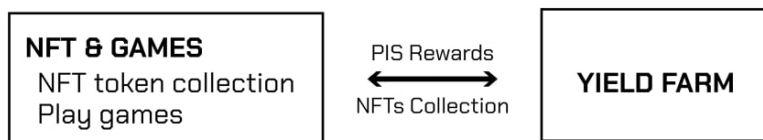
How it works:

- PIS distribution mechanism

- Staking LP Tokens
- Burn PIS Tokens
- Create Asset Pool in Yield Farm
- Create Proposals & Community Voting (by PIS holders)

Game & NFT

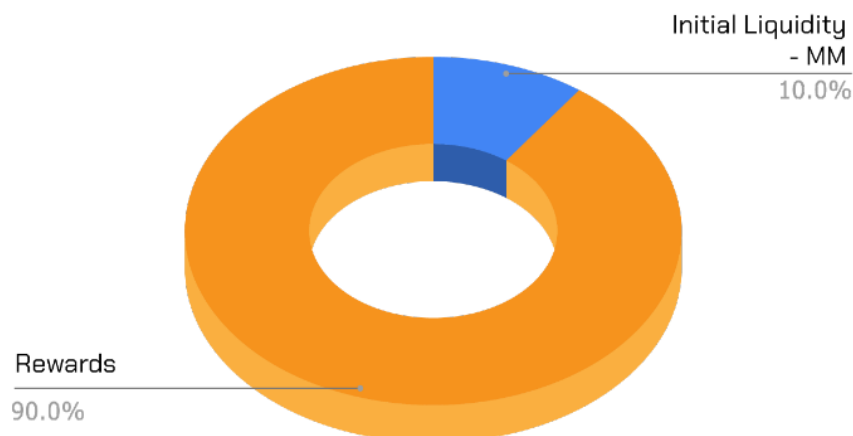
The PIS Token is Token Governance and Token Reward of PiSwap platform. So we want to expand the use of PIS Token in to Gambling platforms.



To create the value of the PIS Token and increase the income of the participants contributing to the PiSwap platform.

PIS Tokenomics

PIS is the governance token of PiSwap and will be 90% distributed to the community based on the participation, with 10% for Initial Liquidity.



Basic Information

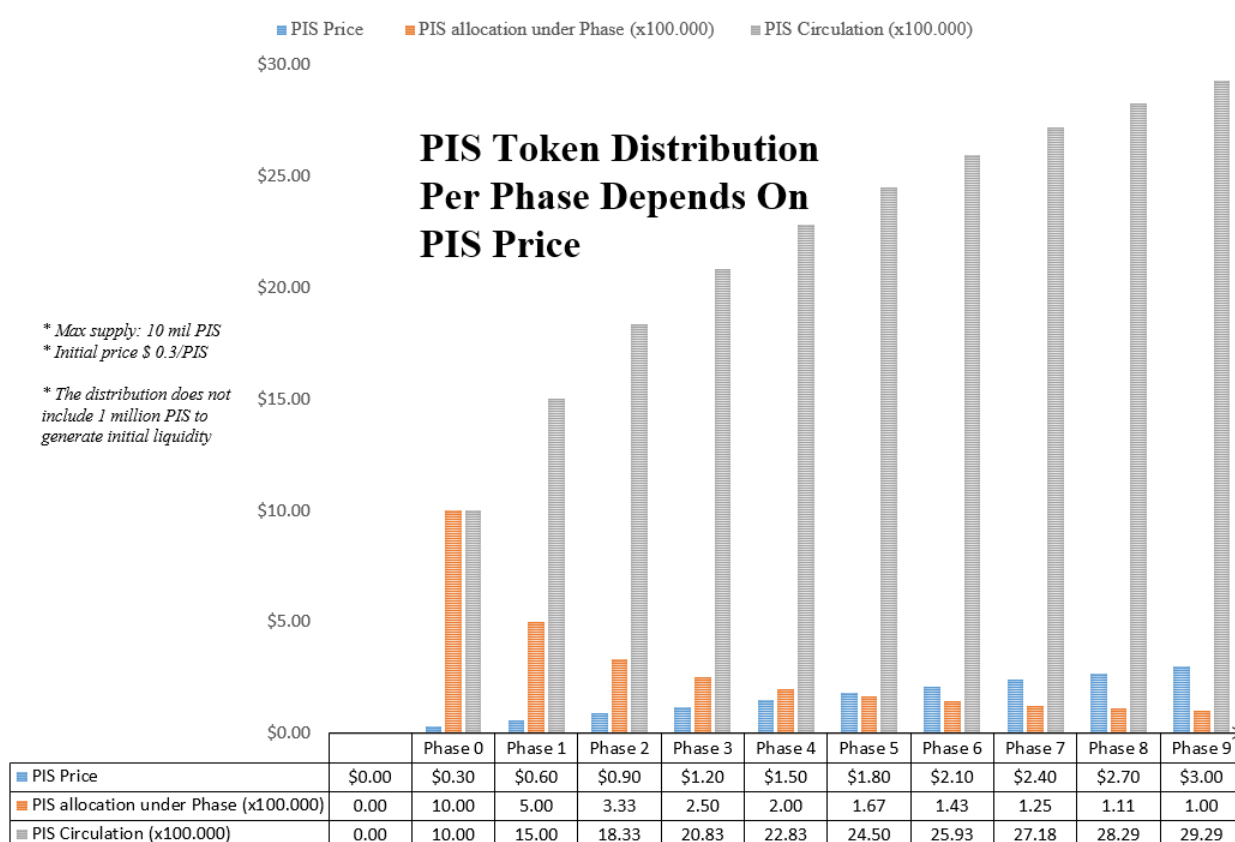
- Token name: PiSwap
- Symbol: PIS
- Token Standard: ERC-20
- Max Supply: 10 million PIS

Distribution

The maximum circulation of PIS tokens is 10,000,000. 1,000,000 PIS tokens will be distributed on Uniswap at once to generate initial liquidity. 9,000,000 PIS tokens will be distributed through fair liquidity mining.

Throughout the phases of the PiSwap project, the PIS supply will be distributed to the following use cases, which will be subjected to proposals and changes by the community after DAO launches.

Token Release Schedule



Rewards distribution of PIS token for the next phase depends on the PIS price in the previous phase. Follow the formula below:

$$PIS (Phase\ n) = \frac{PIS (Phase\ n - 1) * A(Phase\ n - 1)}{A (Phase\ n)}$$

Notes:

- *PIS (Phase n) = Number of PIS used as reward for next Phase*
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- *A (Phase n) = PIS price at the end of the current Phase*
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With the above designed mechanism, it will limit the circulation of PIS tokens into the market, helping to boost the price and stabilize the PiSwap platform in a long run.

Phase 0

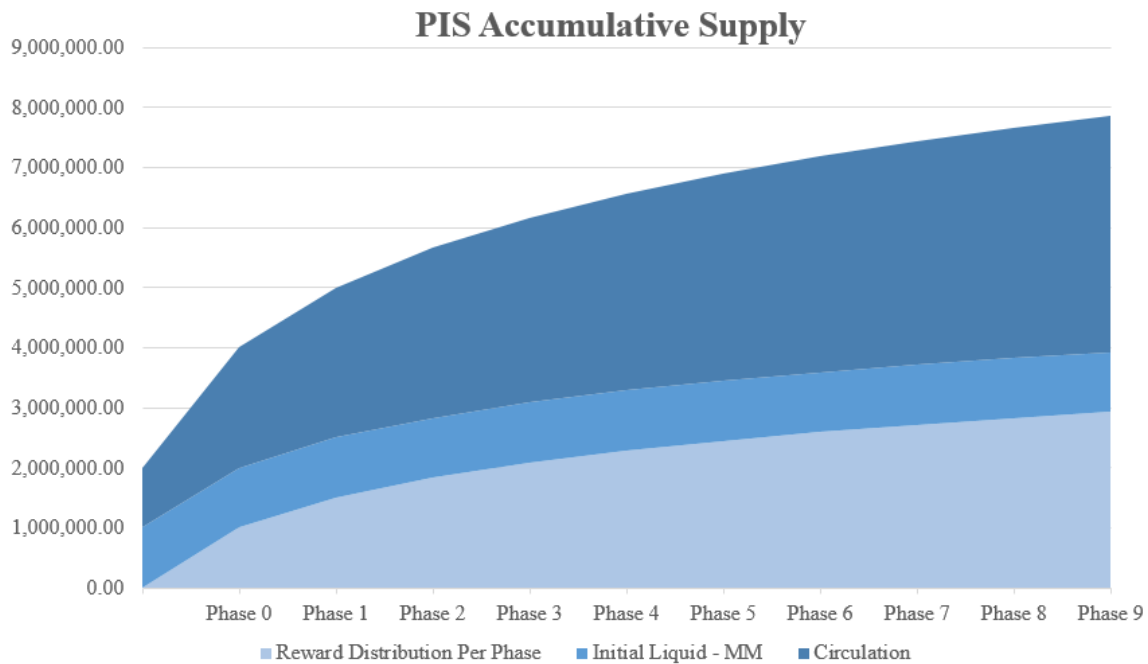
1,000,000 PIS (10%) tokens will be distributed on Uniswap at once to generate initial liquidity, with following targets:

- Generate Initial Liquidity
- Market Maker: organic growth, minimize excessive fluctuations.
- Marketing funds: community development, partnerships.

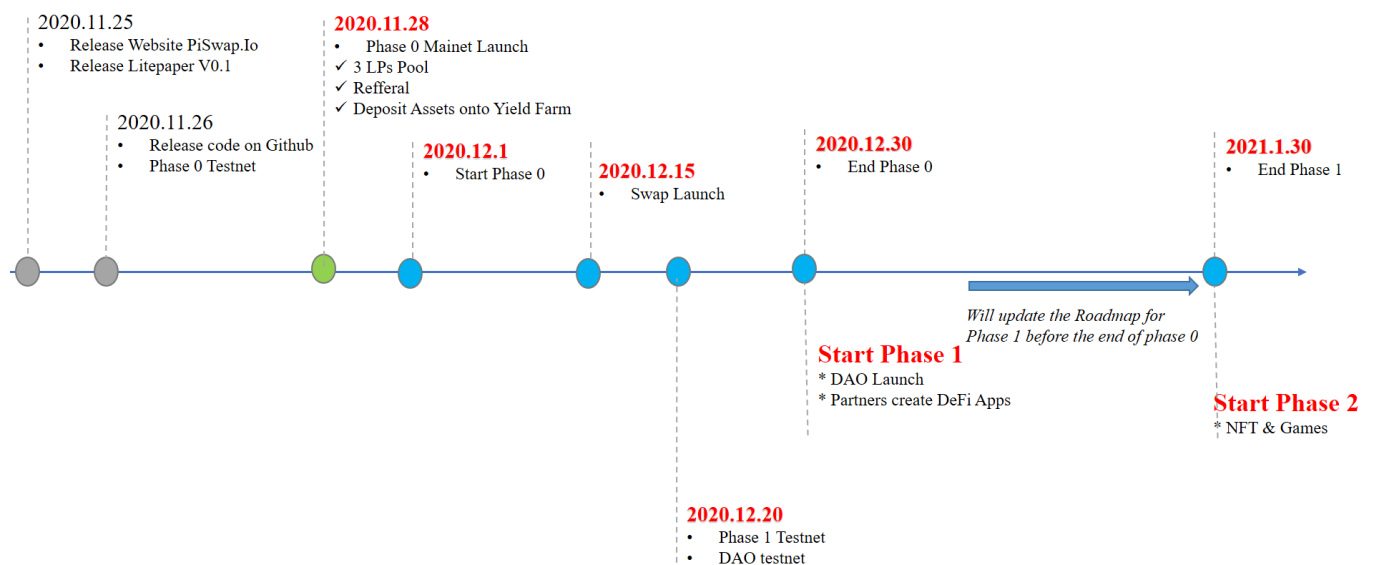
This initial amount of PIS is a microcap. When the platform thrives, such number of tokens will have minimal effect on PIS price. At that time, the PIS price will depend on the supply/demand of the community on the platform.

Phase 1 to Phase n

Suppose that after the end of each phase (after each month), the PIS price increases 2 times, the number of PIS reward for the next Phase will decrease by divided by 2. The example below will help you understand the PIS price increasing mechanism in the future.



Roadmap



Phase 0 (10%): 1.000.000 PIS as a reward, distributed when participating in Yield Farm & Asset Pool

- Yield Farm
- Asset Pool
- Swap Launch

Phase 1: The number of PIS as the reward according to the formula, are distributed when joining Yield Farm & Asset Pool

- Yield Farm
- Asset Pool
- DAO & Governance Token (PIS)
- Bringing multi-assets and projects to PiSwap

Phase 2: The number of PIS as the reward according to the formula, are allocated when participating in Yield Farm & Asset Pool, or collecting NTFs.

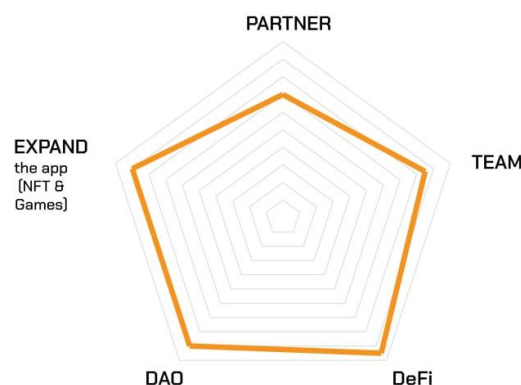
- Yield Farm
- Asset Pool
- NFT

Phase 3 & n... Updating Soon

Each Phase lasts for 30 days.

Future Works

PiSwap aims to become the stepping stone to accelerate Ethereum's DeFi ecosystem development. We are committed to DeFi and will not stop at PiSwap. From lending to insurance and asset management, the potential is boundless.



We will expand the PiSwap platform to become an integral part of the DeFi revolution.