

YOP

TOKENOMICS



PLUTO

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EXECUTIVE SUMMARY

The emergence of Decentralised Finance (DeFi) as a viable alternative to traditional centralised financial systems has led to an explosion in growth within the DeFi space. This has manifested itself in many ways:

- A growth in Total Value Locked (TVL) in DeFi from a little over \$20b at the start of 2021 to \$275b as of early Dec 2021
- A growth in the number of DeFi Protocols to over 800 as reported by <https://defillama.com/>
- A growth in the number of Blockchains offering DeFi services to over 70, again as reported by <https://defillama.com/>

While all this growth is positive for the DeFi space, it presents its own set of challenges. With so many Blockchains and Protocols to choose from, how do you identify the best protocols and avoid the clones and scam artists? This requires a lot of due diligence (often called Doing Your Own Research) which can be time consuming and challenging. Protocols need to be assessed from many different angles – team, code, security audits, tokenomics, Total Value Locked (TVL), liquidity, maturity, social sentiment etc.

The Yield Optimisation Platform (YOP) Ecosystem aims to solve this problem by delivering a solution which allows users to easily interact with the best DeFi protocols across the top blockchains from a clean, simple, educational and easy to use application. Each protocol included in the YOP Ecosystem will be risk assessed, scored, and tracked on an ongoing basis - allowing users to see at a glance how trustworthy a particular protocol is. Users will be able to directly engage with these protocols via YOP Vaults, which provide diversified access to multiple DeFi protocols.

In this Tokenomics document, we will take a look at the background and history of the YOP token, which was first released in Jan 2021. We will then review the emission pools and emission schedules across the pools before taking a closer look at the community emissions. We will review YOP's plans for long term sustainability of the protocol through token buyback, redistribution and burn mechanisms. Finally, we will look at how the YOP token will be used for governance in the future as we move towards as Decentralised Autonomous Organisation (DAO).



Transparent



Accessible



Educational

TOKENOMICS

MAX. SUPPLY

88,888,888

24 million
COMMUNITY
TOKENS

BACKGROUND

The YOP Token is an ERC-20 and BEP-20 token on Ethereum, Polygon and Binance Smart Chain. It has a maximum supply of 88,888,888 of which 21.6 million is already in circulation.

The token was launched in January 2021 and has been in active circulation since then. As of the writing of this document (Jan 2022), a total of 21,619,102 tokens have been issued or burned.

The current circulating supply can be broken down as follows:

7.66 million tokens being distributed between seed and presale.

2.42 million tokens have been used for liquidity provision across a number of centralised and decentralised exchanges including Uniswap, Sushiswap and Kucoin and Gate.io.

1.34 million tokens have been distributed to the community as staking rewards from the YOP 1.0 staking program.

2.85 million tokens have been used across various marketing and promotional activities.

3.33 million tokens have been distributed to the original YOP 1.0 team.

2 million tokens were involved in an exploit in April 2021.

2 million tokens being burned from the Team pool by the YOP 1.0 team in response to the exploit.

This leads to a current circulating supply of **21.6 million** tokens, of which 2 million have been burnt.

EXCHANGES & PUBLIC DATA

As of Dec 2021, the YOP Token is available for purchase and trade.

EXCHANGES

 **Uniswap V2** YOP/WETH: <https://app.uniswap.org/#swap?outputCurrency=0xae1eaae3f627aaca434127644371b67b18444051>

 **KuCoin** YOP/ETH: <https://trade.kucoin.com/YOP-ETH>
YOP/USDT: <https://trade.kucoin.com/YOP-USDT>

 **Gate.io** YOP/ETH: https://gate.io/trade/yop_eth
YOP/USDT: https://gate.io/trade/yop_usdt

TOKEN INFORMATION

 **CoinMarketCap**: <https://coinmarketcap.com/currencies/yop/markets/>

 **CoinGecko**: <https://www.coingecko.com/en/coins/yield-optimization-platform>

TOKEN ADDRESSES

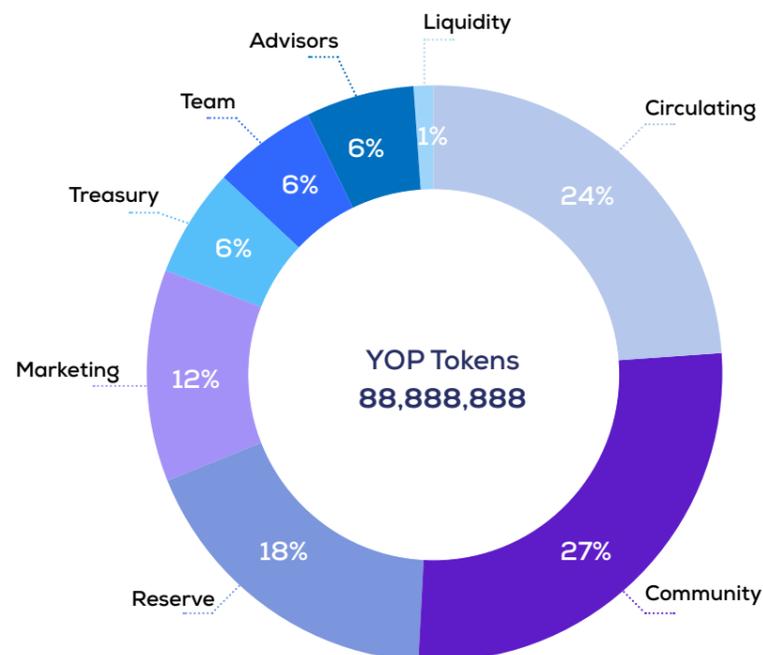
 **Ethereum**: <https://etherscan.io/token/0xae1eaae3f627aaca434127644371b67b18444051>

 **Polygon**: <https://polygonscan.com/token/0x103308793661879166464cd0d0370ac3b8a2a1cb>

 **Binance Smart Chain**: <https://bscscan.com/token/0xae1eaae3f627aaca434127644371b67b18444051>

EMISSION POOLS

YOP Tokens will be emitted across seven pools - Community, Reserve, Marketing, Treasury, Team, Advisors and Liquidity. The existing circulating supply of tokens is also included in the tables and figures below to provide a complete picture of the YOP Token distribution and the full supply of 88,888,888.



Category	Token Use	Quantity	% Total
Circulating	Tokens that are already in circulation within the YOP community	21,619,102	24%
Community	Token Emissions to the community for staking, vault yield boost etc.	24,000,000	27%
Reserve	Tokens for raising future funding for the YOP ecosystem	16,000,000	18%
Marketing	Tokens for promoting YOP via various marketing platforms and channels	11,000,000	12%
Treasury	Token Emissions to the YOP Treasury for future use, e.g. boosting and burning	5,000,000	6%
Team	Tokens for product and development team who are building YOP	5,000,000	6%
Advisors	Tokens for Advisors to the YOP ecosystem	5,000,000	6%
Liquidity	Tokens for providing liquidity on centralised and decentralised exchanges	1,269,786	1%
		88,888,888	100%

EMISSION SCHEDULE

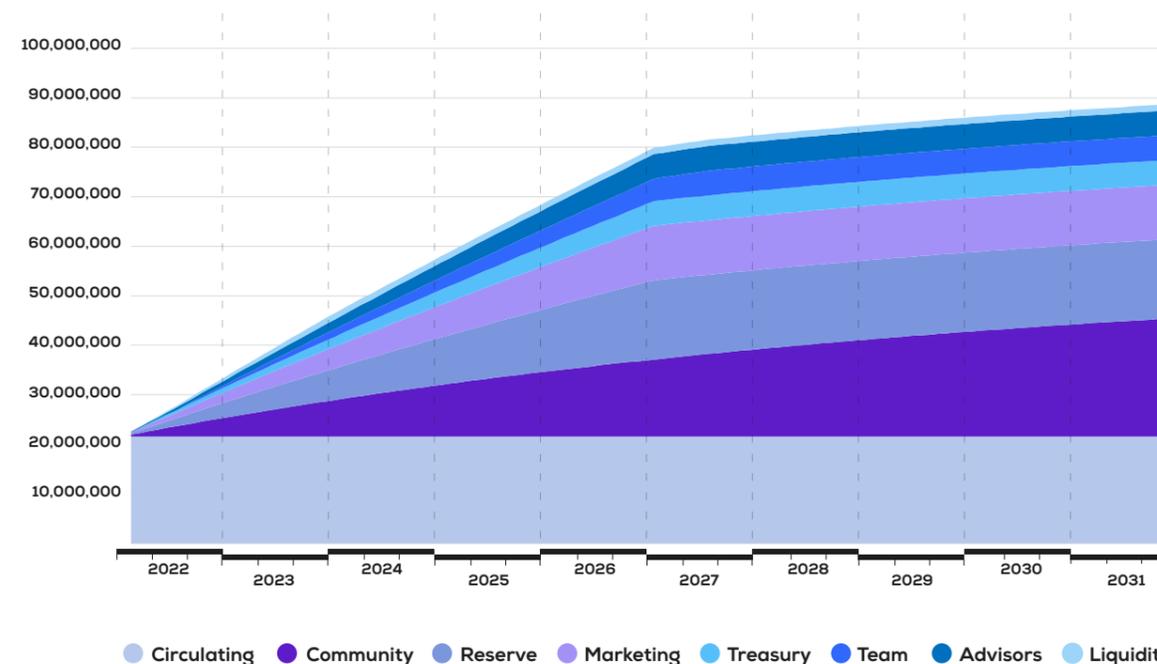
Token emissions will commence in January 2022. Community emissions will be released over a 10-year period on a reducing balance schedule of 1% per month. All other emission pools will be released on a straight-line emission schedule over 5 years, with the exception of liquidity, which will be released over 24 months. Team Tokens will have an initial 6-month lockup before emissions commence.

YOP EMISSION SCHEDULE

Allocation	Pool	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
24,000,000	Community	3,891,931	3,449,749	3,057,805	2,710,392	2,402,451	2,129,496	1,887,553	1,673,098	1,483,009	1,314,516
16,000,000	Reserve	3,200,000	3,200,000	3,200,000	3,200,000	3,200,000	-	-	-	-	-
11,000,000	Marketing	2,200,000	2,200,000	2,200,000	2,200,000	2,200,000	-	-	-	-	-
5,000,000	Treasury	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	-	-	-	-	-
5,000,000	Team	500,000	1,000,000	1,000,000	1,000,000	1,000,000	500,000	-	-	-	-
5,000,000	Advisors	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	-	-	-	-	-
1,269,786	Liquidity	634,893	634,893	-	-	-	-	-	-	-	-

Max New Tokens	12,426,824	12,484,641	11,457,805	11,110,392	10,802,451	2,629,496	1,887,553	1,673,098	1,483,009	1,314,517
% Entering Supply	13.98%	14.05%	12.89%	12.50%	12.15%	2.96%	2.12%	1.88%	1.67%	1.48%

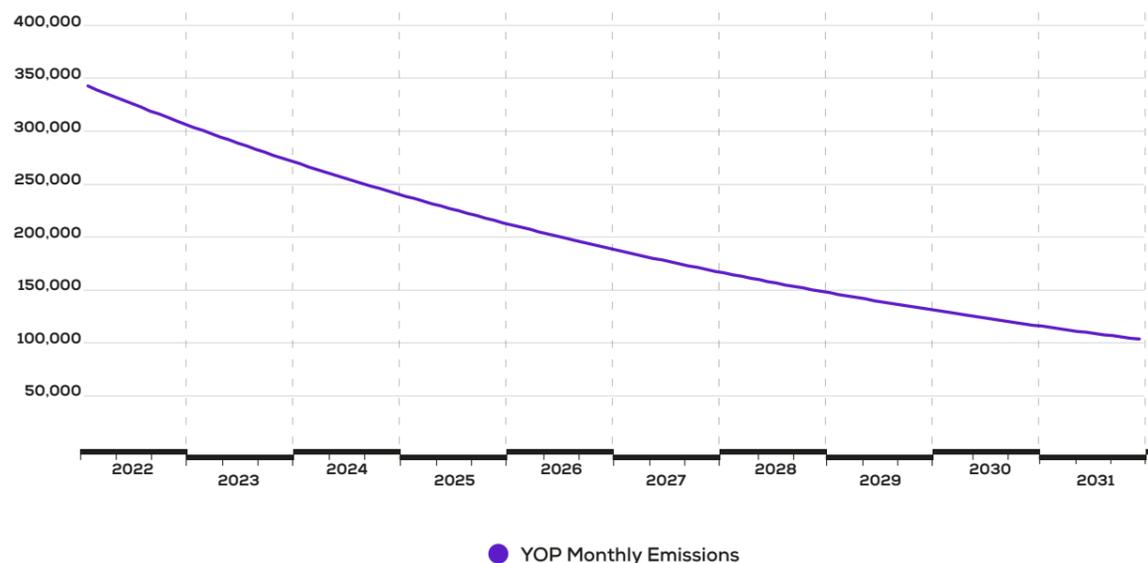
Max Circulating	34,045,926	46,530,568	57,988,373	69,098,765	79,901,215	82,530,711	84,418,264	86,091,362	87,574,371	88,888,888
Total % Available	38.30%	52.35%	65.24%	77.74%	89.89%	92.85%	94.97%	96.85%	98.52%	100.00%



COMMUNITY EMISSIONS

Tokens for community rewards will commence in January 2022 and continue for 10 years on a reducing balance emission schedule, with a 1% drop in emissions each month. Initial emissions will be in the region of 390,000 per month and will decline over the 120-month emission period to approx. 130,000 per month.

MONTHLY EMISSIONS



These tokens will be split between Vault Yield boosts and staking rewards for the YOP Lock Box. The exact split between Vault boosts and staking rewards will be configurable and will be actively managed over time to ensure tokens are used in a manner that is most beneficial to the community.

Staking rewards will be allocated based on a calculation which takes into account the number of tokens staked and duration of staking.

Vault boost tokens will be allocated between active vaults, with additional boosts being allocated to new Vaults to grow the TVL in these Vaults.

These allocations will initially be defined by the YOP team. As YOP transitions to a DAO, control of the allocation of YOP token emissions will become a community decision, with DAO proposals and voting used to determine fair allocations.



LONG TERM
SUSTAINABILITY

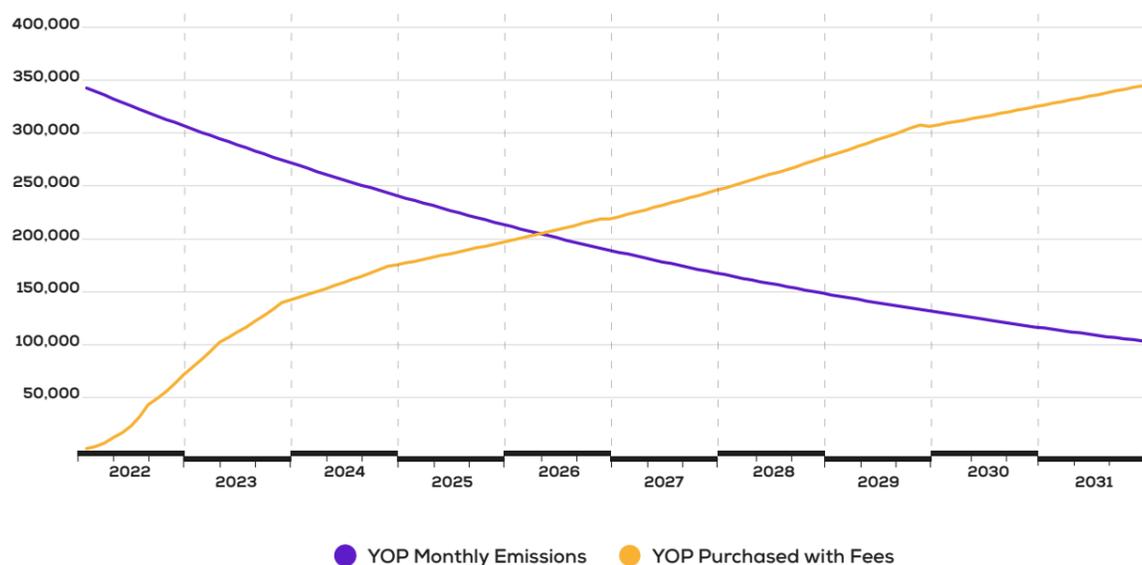
744 005 5135 5951
9246 1396 9754 345 9692
8725 9630 1542
4562 0992 1554 4661
2 8756 3221 8546 8764
7446 9632 5527
JRO OLN DKK LEJ
6359 44 96 39 21 875

SUSTAINABILITY

In addition to community emissions, YOP tokens will be purchased from the open market on an ongoing basis using a percentage of management and performance fees from Vaults and Strategies. These YOP tokens will be added to the community emissions and used to reward Vault Depositors and Stakers, with the goal being long term sustainability of the YOP reward program.

As the Total Value Locked in the YOP protocol increases, the associated fees will also increase, meaning that there will be additional funds available to purchase YOP tokens. During this time, it is expected that the YOP token will also increase in value, meaning that it will cost more to purchase each token. However, based on projected TVL growth and token value growth, it is anticipated that a sustainable model of token purchase and redistribution can be achieved.

MONTHLY EMISSIONS & PROJECTED YOP TOKENS PURCHASED WITH FEES



The chart above shows the projected number of YOP tokens per month from both community emissions and YOP tokens purchased with fees from Vaults and Strategies. As can be seen from the chart, these lines intersect around 2026, which represents the inflection point where the protocol truly becomes self-sustaining.

The community emissions schedule has been carefully calibrated to complement the tokens purchased from the open market and provide a long term sustainable stream of tokens. The chart below shows the combined monthly emissions from both the community pool and the tokens purchased on the open market. As can be seen from this chart, there is a relatively steady state in terms of the number of tokens per month - growing from around 350,000 to 450,000 over 10 years.

In situations where the total number of tokens available in any given month exceeds a defined target, the excess tokens will be burnt. This will **result in a deflationary token economy** and help to secure the price per token. The defined target for total distribution will be initially set at 400,000 tokens / month, but this may be amended over time.

PROJECTED TOTAL YOP DISTRIBUTED TO COMMUNITY / MONTH



Note: The previous charts are indicative only. The actual number of YOP tokens purchased with fees will depend on several factors including the total value locked in Vaults, the growth rate of the TVL, the fees charged and the YOP token price.

GOVERNANCE & UTILITY

The YOP token is the key to future governance and control of the YOP ecosystem. Those who stake YOP tokens, in addition to getting YOP rewards, will receive a voice in the future governance of the protocol.

The YOP Lock Box will allow YOP tokens to be locked-up (or “staked”) for varying periods of time to earn a share of the performance fees (generated from the Strategies) and the management fees (generated from the Vaults). The longer the period a user locks tokens for, the higher the share of the fees. Once users stake their YOP tokens, they will receive a representative token which can then be used to participate in the YOP DAO governance system.

The YOP protocol aims to transition into a fully Decentralised Autonomous Organisation (DAO) within 2 years of launching. This means that YOP will be an organisation represented by Smart Contracts - controlled by the organisation members and not by a central entity. In order to transition to this model, the YOP protocol will incentivise members of the community to become active participants in the DAO and contribute to its governance.

To ensure full transparency and clarity of thought, there will be a separate follow up document to clearly explain how the DAO will function and operate, for community consultation and feedback. We have touched on it here to ensure there is a clear understanding that this is the direction that YOP is heading, and following the public launch of YOP 2.0, we will be releasing the YOP 2.0 DAO white paper.

VALUE & CLARITY

ABOUT US



YOP’s vision is to cater for both the existing and incoming DeFi adopters and offer an intuitive gateway into the world of DeFi and crypto that is accessible to everyone. Through protocol analysis, risk profiling, aggregation and cost optimisation, YOP will provide a single pane of glass through which to access the world of DeFi.

Existing protocols have mainly catered to the innovators - the more technical, existing crypto community. While these protocols have paved the way for mainstream adoption of DeFi, there are still significant gaps in terms of user experience, transparency and diversity across protocols and chains.

The YOP Platform is designed to be a simple, transparent, and as easy to use as possible. Useful information and context is provided step by step, with links to additional information provided exactly where it is required. This state-of-the-art user interface will prove an intuitive, high quality, easy to use experience, with information and educational material built right into the experience.

YOP is built to be modular and sustainable from the ground up. This coupled with the reward mechanism, means that strategy proposers and builders are strongly incentivised to continually integrate new DeFi protocols across multiple blockchains onto the platform. YOP does not rely on a high initial emissions schedule of tokens to attract community members. Instead, by re-distributing all fees generated on the platform to the community, YOP can scale and grow with the DeFi landscape to give the world access to diverse yield generation strategies. By removing the need for individuals to search for the best opportunities and worry about the complexities of tracking exposures – YOP will be at the forefront of driving DeFi adoption.



Pluto Digital PLC (Pluto) is a software company that makes Web 3.0 Decentralised Finance (DeFi) and Metaverse (blockchain gaming and NFTs) more accessible to all.

Pluto’s DeFi business unit is currently reimagining, redeveloping and relaunching the YOP DeFi project to make it easy for everyone to engage with DeFi services and generate yield.

Pluto’s Metaverse business unit is focused on the development of Play2Earn blockchain games and NFTs.

Pluto Metaverse trades in NFT assets, such as CryptoPunks and BAYC, puts together joint ventures, develops software platforms and is soon to launch Play2Earn games. Pluto DeFi and Metaverse are supported by Pluto V which establishes relationships with the crypto community for partnering and investments and also by Pluto Labs, which is Pluto’s high-end engineering team that builds software to implement Pluto’s blockchain platforms.

As DeFi is a core focus for Pluto, it recognises that it can be a vast subject to get to grips with for newcomers. Typically, most find there is a high barrier to entry and a steep learning curve to access most of the existing DeFi Protocols. The YOP project addresses this, making DeFi accessible to all.

YOP

yop.finance

