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*Helpi Cela Dapp*



*Litepaper*



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# Helpi

## Overview

Helpi aims to drive the productive inclusion of migrant entrepreneurs in their host communities through the power of decentralized finance. Built as a Vault Optimizer at Tier 1, Helpi provides multi-level earnings to users located in any part of the world while they sponsor migrant-led enterprises.

To achieve this, Helpi optimizes and adds value to the core operations of liquidity pools, farming & staking in the crypto, as a mechanism or way to raise funds for migrant-led enterprises. Helpi users pay fees in \$CELO tokens, and a percentage of it is used to buy back \$HELPI tokens to add liquidity to the protocol. The smart contracts periodically distribute \$HELPI on small enterprises or productive projects led by migrants in Latin America. The Annual Percentage Return (APR) generated from these DeFi farming protocols is paid to the Helpi platform users as interest. The Helpi protocol aggregates the farm's protocols to get the best Annual Percentage Yield (APY) at all times to ensure users get the best earnings.

Anyone anywhere in the world with a smartphone or computer can yield earnings through a decentralized finance application operated by a community of users. It is not the typical farming dApp in other public chains because it supports social impact enterprises campaigned by immigrants with its protocol.

To achieve this, Helpi is a decentralized exchange built to optimize, improve and add value to the core operations of liquidity pools, farming & staking in the crypto metaverse. Helpi sponsors small enterprises of migrants in Latin America and provides multi-level earnings via DeFi dAPP accessible for every citizen globally.

Helpi introduces the pioneering concept of “Social Initial Offerings,” which refers to the social-impact dynamism that the Helpi platform brings to the DeFi ecosystem in Celo by deploying a mechanism to back migrant-led entrepreneurship projects with the platforms' own token: \$HELPI. In particular, Helpi provides migrants from countries with unstable local currencies and those who lack access to credit the opportunity to be part of a global trustworthy and stable-currency swap exchange and investments that may boost their business ideas. This revolutionary way to understand DeFi protocols will significantly contribute to driving the financial inclusion and, therefore, the economic empowerment of migrants in Latin America while simultaneously benefiting people in the hemisphere to get in touch with cryptocurrency earnings while supporting productive initiatives.

Currently, Helpi supports the Celo blockchain.



## Social Context: Driving the socio-economic integration of the migrant population in Latin America.

During the past five years, Latin America and the Caribbean have witnessed an unprecedented migration flow in the region: the Venezuelan population's exodus. The cause: the rapid and profound deterioration of the economic and social situation in Venezuela. By January 2021, there were more than 5 million Venezuelan migrants in the region, of which nearly 2 million live in Colombia<sup>1</sup>.

Nearly half of Venezuelan migrants in the Andean region have an irregular status, which hinders their access to social programs in host countries<sup>2</sup>. Additionally, the economic crisis caused by the COVID-19 pandemic has affected those economic sectors that employed most of the migrant population: retail and services<sup>3</sup>. In Colombia, 61.7% of migrant households experienced severe difficulties during the lockdown periods, being the most common income generation, followed by access to food<sup>4</sup>. This explains the high precarious and vulnerable conditions of the migrant population in the region.

Driven by the need for better economic opportunities, the migrant population has been very active in the region's host countries' labor markets. Getting legal status in these places has facilitated this population's access to formal employment or entrepreneurial opportunities. Nevertheless, 92.5% of the migrant population work in the informal economy<sup>5</sup>.

<sup>1</sup> Grupo Interagencial sobre Flujos Migratorios Mixtos-GIFMM. (January, 2021). R4V: Plataforma de Coordinación para Refugiados y Migrantes de Venezuela. Retrieved from: <https://r4v.info/es/situations/platform/location/10044>

<sup>2</sup> Inter American Development Bank-IDB. (June 2020). Migración en la región andina: Impacto de la crisis y expectativas en el mediano plazo. Retrieved from:

<https://publications.iadb.org/es/migracion-en-la-region-andina-impacto-de-la-crisis-y-expectativas-en-el-mediano-plazo#:~:text=to%20main%20content-.Migraci%C3%B3n%20en%20la%20regi%C3%B3n%20andina%3A%20Impacto%20de%20la%20crisis.expectativas%20en%20el%20mediano%20plazo&text=La%20p%C3%A9rdida%20de%20empleo%20puede.42%25%20de%20los%20migrantes%20empleados>.

<sup>3</sup> Inter American Development Bank-IDB. (June 2020). Migración en la región andina: Impacto de la crisis y expectativas en el mediano plazo. Retrieved from:

<https://publications.iadb.org/es/migracion-en-la-region-andina-impacto-de-la-crisis-y-expectativas-en-el-mediano-plazo#:~:text=to%20main%20content-.Migraci%C3%B3n%20en%20la%20regi%C3%B3n%20andina%3A%20Impacto%20de%20la%20crisis.expectativas%20en%20el%20mediano%20plazo&text=La%20p%C3%A9rdida%20de%20empleo%20puede.42%25%20de%20los%20migrantes%20empleados>.

<sup>4</sup> Observatorio del Proyecto Migración Venezuela. (Dic. 2020). Encuesta de la calidad de vida e integración de los migrantes venezolanos en Colombia. Proyecto Migración Venezuela (Migration-Venezuela Project) implemented by ACDIVCOA, USAID, and Semana.

<sup>5</sup> Ibídem & Inter American Development Bank-IDB. (July 2020). Caras vemos, experiencia no sabemos. La “desconexión” entre las habilidades y ocupaciones de los inmigrantes en América Latina. Retrieved from: <https://blogs.iadb.org/migracion/es/la-desconexion-entre-las-habilidades-y-ocupaciones-de-los-inmigrantes-en-america-latina/>



Besides getting a formal job, another major challenge that the migrant population in Latin America faces is their financial inclusion in host countries<sup>6</sup>. As of September 2019, only 137,571 migrants out of the 1.4 million Venezuelan migrants in Colombia had access to financial services<sup>7</sup>. As of December 2020, 85.2% of the Venezuelan migrant population in Colombia does not have a savings account with banks or cooperatives, and 97.8% do not have any loans with banks or cooperatives despite needing resources<sup>8</sup>. Among the barriers to accessing these financial services there is the lack of documentation, passport expiration, and lack of knowledge of credit history. These, therefore, have been clear obstacles to the economic integration of the migrant population in host communities. This critical situation demands innovative solutions, such as the one that Helpi provides.

## **Helpi as a Social Impact Decentralized Finance Application**

As a response to the critical income-generation situation of the migrant population in Latin America, we have developed and launched Helpi (Tier 1). Helpi is a decentralized exchange built to optimize, improve and add value to the core operations of liquidity pools, farming & staking in the crypto metaverse. However, Helpi is different from the typical/traditional farming dApp operating in other public chains due to its social impact purpose: sponsoring and economically strengthening migrant-led enterprises by providing them with liquidity and transparency.

Helpi aims to attract users (investors) who seek to get multi-level earnings for their \$CELO deposits in the platform's Vaults (known as "Volvos") while improving the conditions of the migrant population in Latin America.

Helpi allocates a percentage of users' earnings to sponsor migrant-led enterprises operating in host countries.

Thus, this Defi dApp aims to drive the migrant population's socio-economic integration in Latin America.

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<sup>6</sup> Agencia EFE. (November, 2019). El BID impulsa la inclusión financiera ante el reto migratorio en Latinoamérica. Retrieved from:

<https://www.efe.com/efe/america/economia/el-bid-impulsa-la-inclusion-financiera-ante-reto-migratorio-en-latinoamerica/20000011-4101238>

<sup>7</sup> Semana. (Septiembre 18 de 2019). ¿Por qué no hay bancos para migrantes?. Retrieved from:

<https://www.semana.com/pais/articulo/por-que-los-venezolanos-tienen-bajo-acceso-al-sistema-financiero/276965/>

<sup>8</sup> Observatorio del Proyecto Migración Venezuela. (Dic. 2020). Encuesta de la calidad de vida e integración de los migrantes venezolanos en Colombia. Proyecto Migración Venezuela (Migration-Venezuela Project) implemented by ACDIVOCA, USAID, and Semana.



As a response to the critical income-generation situation of the migrant population in Latin America, we have developed and launched Helpi (Tier 1). Helpi is a decentralized exchange built to optimize, improve and add value to the core operations of liquidity pools, farming & staking in the crypto metaverse. It connects all primary DeFi use-cases within one single ecosystem on Celo Blockchain.

Helpi's social purpose is what makes this DeFi App different from the typical/common farming dApp operating in other public chains: It aims to sponsor migrant-led enterprises by providing them with liquidity and transparency. To achieve this, Helpi users pay fees in \$CELO tokens, and a percentage of it is used to buy back \$HELPI tokens to add liquidity to the protocol. The smart contracts periodically distribute \$HELPI tokens among migrant-led/owned ventures and small enterprises. The Annual Percentage Return (APR) generated from these DeFi farming protocols is paid to the Helpi platform users as interest. The Helpi protocol aggregates the farm's protocols to get the best Annual Percentage Yield (APY) at all times to ensure users get the best earnings.

Helpi is, therefore, a platform that brings together social investors and migrant entrepreneurs. Social investors get multi-level earnings for their \$CELO deposits in the platform's Vaults (known as "VOLBO" in esperanto) while providing funding to migrant-owned entrepreneurship initiatives. In this vein, Helpi aims to contribute to the socio-economic integration of the migrant population in Latin America.

Helpi's features include:

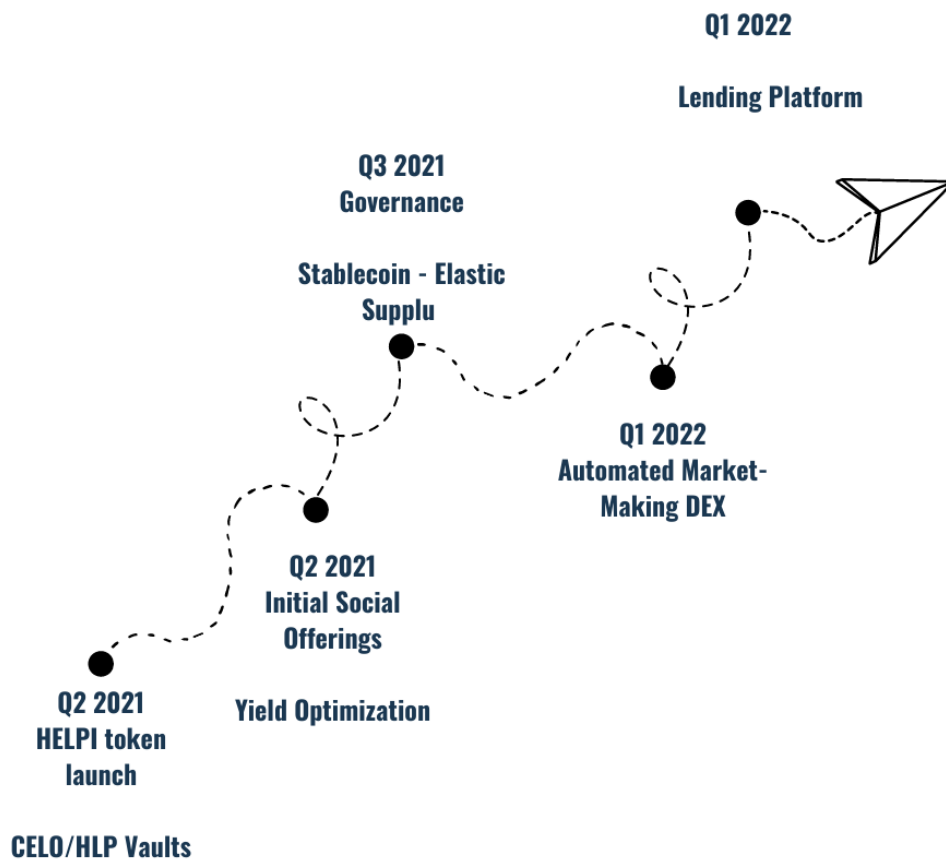
- Investing is handled by a smart contract with an algorithm used to reward users with \$HELPI tokens.
- \$HELPI tokens have a fixed supply, and the reward for investments decreases as more people save on our platform. \$Helpi tokens are also bought back from revenue generated through fees and commissions charged by the Helpi protocol, and the tokens are used to add liquidity to the protocol. This allows users to invest in \$Helpi, \$CELO, and \$cUSD (soon), earn returns and sponsor migrant-led entrepreneurship projects.
- The custody of users' investments is in a trustworthy smart contract, which provides security.
- The platform has open and decentralized governance. \$HELPI token holders can decide on all aspects of the protocol's future development path. Every developer is also welcome to work and contribute to the open-source code. Also, Helpi will



distribute a considerable proportion of tokens among the migrant entrepreneurs who use the platform.

## HELPI ROADMAP

A mid-term DeFi leader in Celo Blockchain



Social content with DeFi tone



The current DeFi market is dominated by bots, traders, and noncommittal speculators. However, at Helpi, we believe the ones who should profit from our token are investors and migrant entrepreneurs. For this reason, we have implemented a unique structure of taxes and fees aimed at continuously redistribute wealth from speculating parties to the active participants in our platform. This meaningful distribution will keep high APYs for our Liquidity and Staking Pools in perpetuity and provide sufficient funds to our marketing and development teams to focus on Helpi's continuous innovation scaling. The provision of funds from external parties guarantees the constant injection of funds into our ecosystem. This will drive Helpi's protocol growth.

Every time a transaction occurs, it activates the protocol, and the following charges and events take place:

- a. A 0.5% tax is charged to the user and distributed into our platform.
- b. A 0.8% of the transaction's amount is taken from the combined group of inactive wallets. Inactive wallets are those that are not participating in the protocol by staking or adding liquidity.
- c. Those tokens are then distributed to our platform participants. We call this — the Inactivity Fee.

Tax distribution:

- 0.2% to Liquidity Pool participants (miners).
- 0.2% to Staking participants.
- 0.1% to Marketing Fund.

Inactivity fee

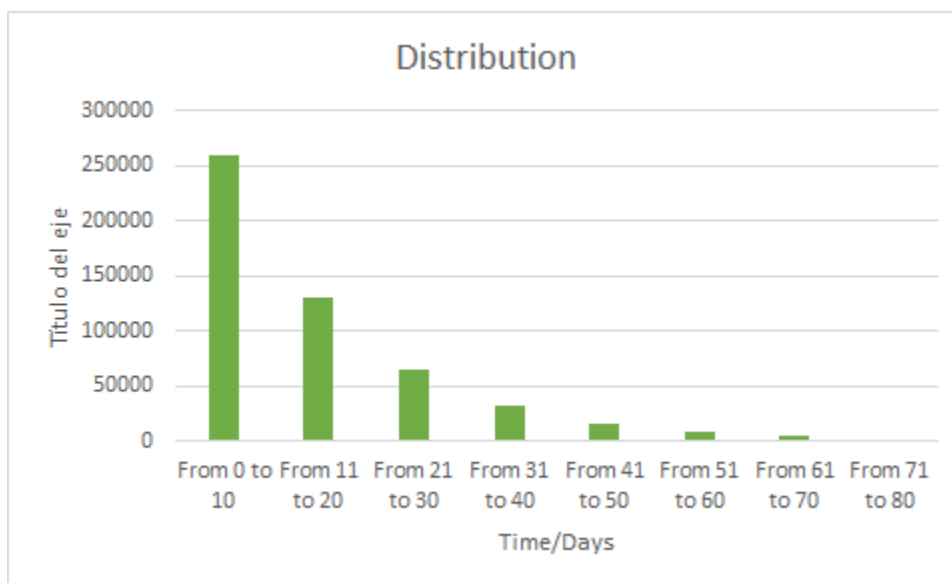
- 0.6% to Liquidity Pool participants (miners).
- 0.2% to Staking participants.

## **Liquidity Mining**

The initial supply of circulating HELPI tokens will be 500,000. The Liquidity Mining of the tokens will be offered for the first several months as a way to achieve a fair distribution and reward the platform's early users. The initial reward per block will be one and will be halved every tendays. Upon Helpi's platform launch, we will introduce two sets of pools:

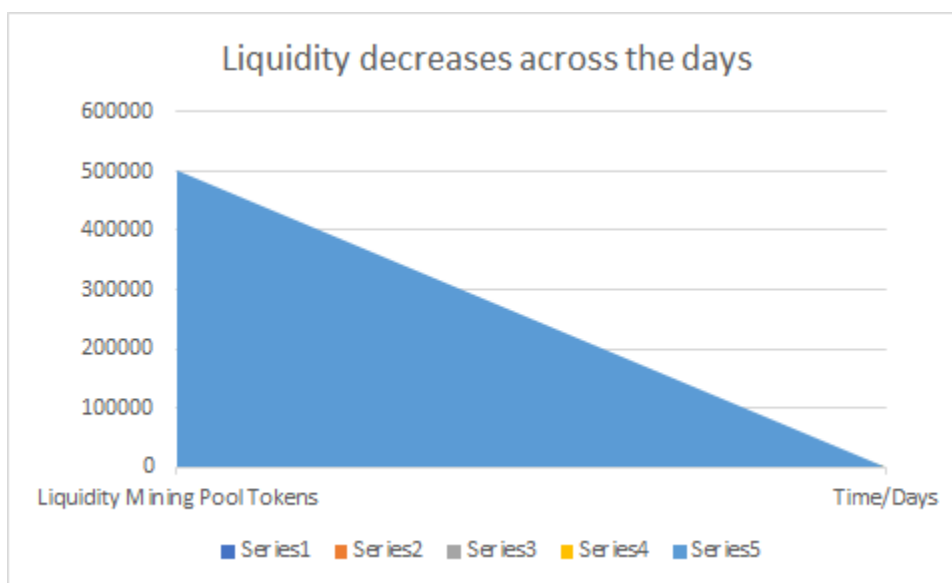
- \$HELPI/CELO Liquidity Pool - 80% of the rewards.
- HELPI and CELO Staking Pools - 20% of the rewards.





Thee protocol will charge 0.5% in taxes and fees from every transaction and redistribute it to the Liquidity Miners. This means that even after the total supply of 1 million tokens enters circulation, Liquidity Mining will continue due to an unceasing reward structure.

## Liquidity Mining Behaviour



## Staking Pools

Helpi allows users to farm its governance token – \$Helpi. Any user can deposit LP tokens on the farm, locking them up in a process that rewards him/her with \$Helpi.



Then, if a user deposits some funds to receive LP tokens, and he/she uses them to farm \$Helpi, the user can stake his/her \$Helpi and earn other tokens through special staking pools.

Staking \$HELPI will provide substantial yield from the Liquidity Mining Contract as well as 0 charges of taxes from each transaction.

Stakers will also have substantial exposure to the potential upside of the token's price, in addition to immunity to impermanent loss, which is a key issue for Liquidity Miners.

20% of the rewards from our Liquidity Mining Contract will be distributed among the following 3 Staking Pools:

- No Lockup Pool – 10% of the rewards.
- 1 Week Lockup Pool – 30% of the rewards.
- 1 Month Lockup Pool – 60% of the rewards.

## **Initial Social Offerings (ISO)**

### **Creating Synergy**

With ISO as a planned initiative, we see a key opportunity to create value by extending an additional solution from it: a platform for new crypto that sponsors migrant-led/owned enterprises operating in host countries.

### **The Opportunity**

Celo is a promising blockchain for DeFi projects but also a relatively new one for the latino community. As a consequence, many of the necessary rails don't exist to help new companies get the support they need, hindering them from what they should be doing: innovating and executing. The absence of infrastructure also leads to a lack of confidence from potential users, making it difficult for projects to raise liquidity.

### **The Solution**

ISO is a platform for new Celo projects to raise liquidity. We will screen qualifying projects with social content and allow them to hold their private and presales through our platform. Then, with ISO platform, we'll ensure the raised liquidity will be instantly locked and secured at the moment of listing. We'll also facilitate the auditing process for the projects through our partners, making the new ventures more trustworthy while also protecting the liquidity providers.



## **The Rewards**

A 3% service fee from the raised liquidity will be used to buy \$HELPI tokens on the spot market. The tokens will then be distributed in this manner:

- 60% to the Liquidity Mining and Staking Contracts.
- 40% to the marketing wallet, where the funds will be spent according to the decisions of governance, giving privilege to further grants for social projects.

## **How to participate in an ISO**

### **Before Sale:**

1. Buy HELPI and CELO tokens.
2. Get HELPI-CELO LP tokens by adding HELPI and CELO liquidity.

### **During Sale:**

1. While the sale is live, commit your HELPI-CELO LP tokens to buy the ISO tokens.

### **After Sale:**

1. When the sale is complete, claim the ISO tokens you've bought. Your unspent funds will also be sent back to you.
2. Done! In the case of an overflow you can unstake your remaining HELPI-CELO LP tokens.

## **Yield Optimization and Platform Vaults (Volbos)**

Helpi will introduce solidity-based smart contracts named Vaults - Volbos in esperanto - where everyone can deposit funds. These funds will then be utilized to capitalize on profitable opportunities in the DeFi market. The Vaults will act as automated yield generators, shifting capital between multiple strategies to generate optimal return.

This will allow depositors to gain lucrative exposure to the market while saving substantial time and fees. Anyone will be able to propose a Vault Strategy. After a proposal, the \$HELPI holders will vote on whether to approve the strategy. If the proposal is successful, the pool will be available for deposit in 24 hours.

Strategy Creator Wallet - If a strategy is approved by governance, the creator will be assigned a wallet that will receive a % of the Vault's earnings. Every time the created Vault



earns the equivalent of \$50,000, the profit will be automatically emitted according to this structure:

- 8% to the Strategy Creator Wallet.
- 90% to market buy HELPI and send it to the Vault's depositors in proportion to their % deposited. These buybacks will also create consistent buying pressure on the token, elevating the price.
- 2% to a developer wallet to sponsor migrant-led/owned enterprises.

## **Elastic Supply Stablecoin BANKO**

The purpose of these cUSD and cEUR stablecoin pools is to serve as future collateral for our Yield Optimization and Lending Platforms.

## **How will WOLD work?**

It will be an elastic supply token that expands and contracts depending on supply and demand through a rebasing mechanism. New tokens will be minted or burned as price moves off the peg, controlling supply so that price always remains pegged to the USD and EUR, depending on the governance decisions made in the community with macroeconomic support.

## **Helpi Decentralized Exchange**

Helpi at the beginning of the project will be connected to the Ubeswap interface, allowing their users to swap and add liquidity at convenience. This will help foster and consolidate the DeFi ecosystem existing in Celo Blockchain.

In mid-term Helpi will use its own automated market maker (AMM) model. This AMM model allows users to trade digital assets on the platform without being matched with someone else in an order book. Instead, users trade against a liquidity pool.

Those pools are going to be filled with other users' funds. They deposit them into the pool, and in return, they receive liquidity provider (or LP) tokens. Users can use those tokens to reclaim their share, plus a portion of the trading fees.

Thus, users can trade ERC-20 tokens, or add liquidity and earn rewards.

We plan to build an AMM exchange which will bring even more liquidity into the protocol. This will gain us access to additional profitable opportunities for yield optimization, as well as create synergies with projects within our platform.

## **Helpi Architecture**



When viewing Helpi's website, it is important to keep in mind that it is much more than just the interface. Helpi standardizes how ERC20s are exchanged with a set of smart contracts. Anyone can build an interface that connects to these contracts and instantly be able to start exchanging with everyone else that is using Helpi.

There are two different types of contracts that make up the project. The first is known as an Exchange contract. Exchange contracts hold a pool of a specific token and Celo that users can swap against. The second kind of contract is the Factory contract which is in charge of creating new Exchange contracts and registering the ERC20 token address to its Exchange contract address.

There are no listing fees to add a token on Helpi, instead anyone can call a function on the Factory contract to register a new token..

Instead, Helpi uses the Exchange contracts to pool both Celo and a specific ERC20. When trading Ether for a token, Ether is sent to the contract's pool and the token is given back to the user. As a result, the user doesn't need to wait for a counterparty in order to exchange or worry about specifying a price. Since anyone can list a token and users don't need to worry about matching with someone else, it is very easy to avoid any bootstrapping issue when first launching a token.

## **Token Economics**

### **Helpi Token**

The users that use our yield farming smart contracts will receive rewards in \$HELPI by applying an algorithm embedded inside the smart contract.

The smart contract takes stake time into consideration for the rewards calculation, the User can claim its rewards with an affordable transaction fee, while they're supporting real social impact enterprises lead by vulnerable groups in Latin America.

With other Swaps based in Ethereum or BSC, liquidity providers only earn transaction fees from the fund pool when they actively provide liquidity. Once they withdraw funds from the pool, they will no longer receive that passive income. In addition, as this dApps become more and more popular, even though they are early liquidity providers, they still face being joined by large funds, exchanges, mining pools, and other (larger and richer) stakeholders to join the agreement, which will increase the risk of earnings dilution and rugged pools.

In Helpi, liquidity is provided to the fund pool, and \$HELPI tokens can also be rewarded. However, unlike others, even if you decide to no longer provide liquidity, the \$HELPI tokens you get will also entitle you to continue to receive a portion of the fees in the \$HELPI agreement. As an early miner involved in providing liquidity, you will become an important stakeholder in the agreement.



Helpi is backed by social enterprises so the income you receive from your investment is not only related to the mining in the LP (provides flow mobility) the number of tokens proportional to the total number of coins on behalf of the LP, but also to the results of those social projects too. So with this, we are mitigating the dilution risk attached to the liquidity pool's growth, in traditional swaps unless you continue to increase the provision of liquidity, your holdings and corresponding reward income will gradually be diluted as the capital pool grows.

## **TOKENOMICS**

1,000,000 \$HELPI - Total Supply.

More tokens than this can't be minted.

500,000 \$HELPI will be produced in the initial deployment of the contract.

The contract will distribute the remaining 500,000 \$HELPI into the Liquidity Mining Supply, to provide yield to the liquidity pool participants and stakers.

160 000 \$HELPI – Social Impact Projects (16%)

70 000 \$HELPI – Marketing Treasury (7%)

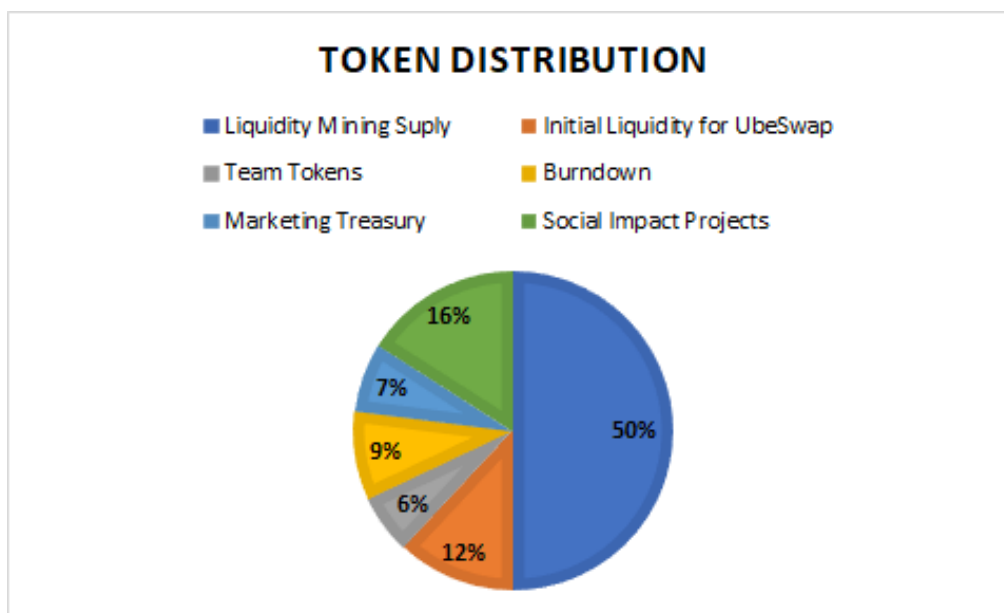
60 000 \$HELPI – Team Tokens (Locked For 3 Months) (6%)

120 000 \$HELPI – Initial Liquidity for UbeSwap (21%)

500 000 \$HELPI – Liquidity Mining Supply (50%)

**Token Economics Supply: 120 000 \$HELPI and CELO will be added in UbeSwap**

**Liquidity. Listing Price: 1 CELO  $\approx$  171 HELPI**



### Other Deflationary Mechanics:

At present, we are considering the following mechanisms:

- 9.09% of HELPI harvested from farms is sent to the dev address, then burned
- 80% of HELPI raised in IFOs is distributed to migrant-led entrepreneurship projects.
- 20% of HELPI raised in IFOs is burned