



# Sunflower Swap

Decentralized art collection financial  
ecological platform

# 目录

Sunflower Swap.....	Three
One: Introduction.....	Three
Two: Market Analysis.....	Three
Three: Sunflower Swap Profile Details.....	Four
Four: Project Technical Framework.....	Four
Five: Advantage Highlights.....	Five
Six: SFR Crypto Asset Model.....	Six
Seven: Application Scenario.....	Eight
Eight: Community Autonomous DAO.....	Nine
Nine: DeFi Ecological Development Path Planning.....	Ten

# Sunflower Swap

## One: Introduction

In the real world, the art of collection value is very high, and people like to invest in art collections to appreciate the display and maintain and increase the value. Where is the value of encrypted digital artwork as virtual goods? The question is not whether it can be appreciated or displayed, because fakes have the same effect. People can imitate Van Gogh's "Sunflower" and create works that are hardly distinguishable by the naked eye. The fake "Sunflower" can still be used for appreciation and display, but the fake "Sunflower" has no value.

Artists in the traditional physical world use autographs to show the authenticity. In order to identify the authenticity of the work, it requires expert participation and professional technical means to distinguish it, which requires huge costs. In the encrypted digital world, digital art carriers like NFT do not have such problems.

Following the footsteps of the Blockchain DeFi, projects in the NFT field have also begun to issue their governance tokens. This trend may help the field gain attractiveness just like DeFi in the liquidity field.

## Two: Market Analysis

Decentralized Finance (DeFi: Decentralized Finance) has become the focus of attention throughout 2020. The explosive growth of DeFi has not only pushed Ethereum to a new level, but also accelerated the pace of Blockchain innovation and experimentation.

Traditional cryptocurrencies have been technologically improved and expanded. Now non-homogeneous encrypted assets (NFTs) can be used as encrypted collectibles, which are different from the homogenization of other cryptocurrencies (indistinguishable and

interchangeable). Every non-homogeneous encryption Assets are unique and cannot be replaced and exchanged.

NFTs are an important part of the new digital economy. Many projects are currently experimenting with the practicality of NFTs. The content involved includes games, digital identities, licenses, and artworks, and they can also represent partial ownership of certain high-value items. NFT is a non-homogeneous digital asset with unique and irreplaceable attributes. Standardization, versatility, liquidity, and especially programmable features make NFT assets unique.

### **Three: Sunflower Swap Profile Details**

Sunflower Swap is a NFT decentralized platform developed based on the ETH standard. At the same time, it uses the DeFi protocol to pledge to obtain encrypted assets Sunflower (SFR) through AMM and SLP (providing liquidity proof) that provides liquid mining, and then exchanges with SFR NFT provided on the platform.

At the same time, it will create a democratized AMM based on ETH, and a decentralized art collection financial ecosystem, and a DeFi distribution platform integrating decentralized exchanges, investment, lending, and SAAS services. Sunflower Swap will realize the storage and lending, asset management funds, payment, and encrypted digital art auction collection services of decentralized financial institutions. Eventually realize the unimpeded connection of DeFi and NFT art financial platforms.

### **Four: Project Technical Framework**

#### **1. Bottom Layer-Protocol Layer**

Sunflower Swap adds cross-chain and side-chain attributes to the chain, and performs cross-chain operations on other public chains. At the retrieval layer, it will be integrated with IPFS, essentially changing the distribution mechanism of network data to ensure that all public chain information cannot disappear.

## **2. Business layer**

The business layer will adopt the form of Blockchain + community node review to reward users for content review. Sunflower Swap will provide developers with a convenient development interface and provide a better DAPP development environment for the entire context.

## **3. Application layer**

Provides a decentralized storage network of the Blockchain 3.0 standard ecosystem, supports a variety of storage layer protocols, provides interfaces to the application layer, and supports the decentralized computing layer. The Sunflower Swap application layer aims to build a decentralized cloud ecosystem that values data privacy and ownership.

## **Five: Advantage Highlights**

Sunflower Swap is a decentralized NFT platform and a perfect system for digging into the NFT market value. This is the biggest advantage of Sunflower Swap. The use of the NFT platform does not require anyone's consent, as long as the program is running, it can be used by connecting to the network; secondly, the structure based on the DeFi protocol makes Sunflower Swap more attractive; in addition, it can track encrypted assets and their ownership in an immutable way. Through a real identity recognition system, users can track and verify whether a content or work has the consent of the original creator through encrypted signatures.

Sunflower Swap ownership is an identity authentication system. In this system, the authentication information is the SFR token. Since the content of the information can be copied arbitrarily, we must rely on the consensus mechanism to enforce punitive measures. Once someone commits an evil, the execution order will be cancelled. It is necessary to set up economic incentives to ensure that creators continue to innovate and distribute.

In a decentralized economic system, the incentives for content creation will evolve very rapidly. Potential solutions include Mediachain<sup>16</sup>, Basic Attention Token, Curation Markets, Rare Pepes, etc.

Users can create and experience in Sunflower Swap, and even rely on the development of platform content and program experience to gain revenue. In the current Blockchain market, if anyone wants to create, buy, sell and trade NFTs, the safest and most convenient way is to use Sunflower Swap's issuance token (SFR).

## Six: SFR Crypto Asset Model

### 1. SFR - Sunflower Swap Ecological Platform Governance Token

SFR is the equity governance token of the Sunflower Swap ecological platform, which represents the priority right to participate in any project issued on the Sunflower Swap ecology in the future, that is, the right to vote and the right to initiate proposals. In addition, SFR will also serve as an equity certificate to give precise incentives to users who have made positive contributions in the community.

### 2. Sunflower (SFR) Output And Distribution

Sunflower (abbreviation: SFR) 0 private equity, 0 pre-mining, 100% obtained by mining by miners, the total output is 60,000 pieces, the output parameters are as follows:

Stage	Daily Currency	Number of Blocks/Day	Circulation	Duration/Day	Duration/month	Block Reward
1	100	6400	10000	100	3.3	0.015625
2	50	6400	10000	200	6.7	0.007813
3	25	6400	10000	400	13.3	0.003906
4	12.5	6400	10000	800	26.7	0.001953
5	6.25	6400	10000	1600	53.3	0.000977
6	3.125	6400	10000	3200	106.7	0.000488
Total			60000	6300	Equivalent to 17 years	

This is a distribution platform with complete community autonomy. The liquidity provider comes from the global community, and the benefits of liquidity will also be distributed to the community.

### 3. Service Fee Repurchase And Dividend Mechanism

The handling fee is 0.3% of the transaction volume. 100% of all Sunflower revenues (coin construction fees, mining pool creation fees, liquidity gains, handling fees, governance fees, etc.) will be used for repurchase, destruction, dividends and other contract mechanisms to give back to global community users. The destruction mechanism will stop when the total remaining 27777.777 pieces. In the end, the total market circulation will always remain at 27777.777 pieces.

Repurchase and dividend mechanism	Income distribution percentage	Remarks
Total Output	60000	\
Transaction Fees	0.3% of transaction volume	\
Commission Repurchase SFR	0.05% of transaction volume	Equivalent to 16.6% of the handling fee
Percentage Of Sfr Burned By Repurchase	50% of the total repurchase	Stop the destruction until the total amount is 27777.777
Proportion Of Sfr Dividends Of Repurchase	50% of the total repurchase	\

### 4. Diversified Mining Pools

Liquidity providers (SLP) can pledge different tokens according to the type of mining pool, and can obtain SFR while providing liquidity to obtain transaction fees. The pledged encrypted digital assets will be unsecured and withdrawn at any time in the form of LP (token) to obtain multiple benefits brought by appreciation. Ecological mining pools are open to the world. More and more different cryptocurrency issuers pledge crypto assets on

the Sunflower platform to obtain SFR and other crypto asset income. At different stages, the platform will develop in an orderly manner, gradually opening the following deployments:

- 1) Main mining pool: In the first phase, PCC-ETH, PCC, PCC (lock), ETH-USDT, SFR-ETH and other main mining pools will be opened.
- 2) Staking mining pool: SFR is open to pledge in the first stage to obtain SFR income.
- 3) NFT airdrop zone: SFR holders will receive NFT airdrops based on their holdings in the second phase.
- 4) Ecological mining pool: In the third stage, more crypto asset issuers will open their own exclusive revenue mining pool on the Sunflower platform through rules such as holding SFR or repurchasing SFR.

## **5. Liquidity pool**

The essence of the liquidity fund pool is the smart contract for the user's encrypted assets to be traded on the chain. All transaction mechanisms and interactive authorizations are deployed in the smart contract and have been audited for security. No one can modify it without authorization, and cannot withdraw or transfer. Encrypted assets in the fund pool. The smart contract code has been open source, the data on the chain is open and transparent, and the entire network can be checked, which fundamentally guarantees the security of encrypted assets in the fund pool.

## **6. Value-Added Logic**

Sunflower Swap provides pledge and airdrop services for the crypto asset market, which can help more crypto asset issuers in need of transformation to implement crypto asset pledge and dividend deployment, forming a form of community interaction.

Extreme deflation, spiraling upward. A total of 60,000 pieces, through the destruction, repurchase, and dividend mechanism, the final total circulation is permanently constant at 27777.777 pieces, building a scarcity and rising price logic.

## **Seven: Application Scenario**

The SFR combustion mechanism of Sunflower Swap is coordinated with different stages of ecological development, and deflation is used to enhance the intrinsic value of SFR, forming



an ecological closed loop for multi-scenario applications such as mortgage lending, art digital finance, intellectual property market, and e-commerce.

**Mortgage lending:** The core application of Sunflowerl Swap is an online banking interface, where users can borrow and lend assets at the interest rate set by the algorithm. These assets include ETH, USDT, PCC, etc. Currently, the annualized rate of return of multiple assets on the platform is higher than that of traditional exchange lending platforms. Sunflowerl Swap can provide borrowers with the most competitive interest rates and save a lot of costs.

**Artwork digital finance:** After the artwork is confirmed on the chain to form a unique digital asset, through an agreement or smart contract combination on the chain, it can be a unique digital asset NFT, and bets (bets) on the artwork through SFR. It is equivalent to becoming a special “second shareholder” of artworks, so as to actively collect, curate, promote, etc., to enhance the value of artworks, and finally to encrypt the lease income or auction transactions of the artwork, or its own value-added income. Share profit proportionally.

**Intellectual property market:** build a decentralized global intellectual property system, realize the free production, confirmation, distribution, incentives and transactions of intellectual property rights such as art collections, encourage content innovation and global diversification. value and rights return to the user's hands.

**E-commerce:** Establish an e-commerce information exchange system to realize the interconnection of information among subjects such as monitoring, management, financial payment, logistics and warehousing, and provide the "three-in-one" flow of information, capital, and goods in e-commerce such as art collections Provide support to promote information exchange and commodity right confirmation systems.

## **Eight: Community Autonomous DAO**

The management of Sunflower DAO is an autonomous voting management community established based on the consensus of holding coins, which is a decentralized and autonomous way; currently a group of early Blockchain evangelists, technical geeks, and

senior Blockchain practitioners have gathered together. Participate, actively hold coins for a long time and participate in autonomy, build consensus, and create a DeFi+NFT application ecosystem.

The DAO community is a place for users to communicate. In the third stage, currency listings, new mining pools are established, new encrypted assets mining, dividends mechanism and other parameters are directly determined by the currency-holding community users through wallet voting.

## **Nine: DeFi Ecological Development Path Planning**

Sunflower Swap is committed to building a complete Blockchain financial ecosystem-Sunflower-DeFi full ecological platform, which integrates decentralized exchanges, asset management banks, mortgages, lending, derivatives, aggregate mining, oracles, and encryption art DeFi technology facilities such as product collections and transactions are integrated and cross-chain technology and financial services ecology to create a global decentralized financial ecosystem landing system.

In the Sunflower Swap ecosystem, we will continue to get involved in decentralized exchanges, staking (super nodes, equity pools, mining activities, etc.), cross-chain interactive tokens, decentralized oracles (Oracles) deployment, etc.