

Crypto made easy.

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Introduction

Copiosa's Vision

The Copiosa vision: Enable crypto to be used by every person, every day.

We have big goals, a lot of ambition, and the necessary drive to get there. However, we can't reach this incredible vision all by ourselves. We are building a community just as passionate about blockchain mainstream adoption as we are.

Together we will make crypto sleek, simple, and safe for everyone.

The Big Problem Right Now

The biggest problem for cryptocurrency users right now? Newer or small-cap cryptocurrencies.

For anyone that has bought and sold these cryptos, the current process is the complete opposite of sleek, simple, and safe.

Problem 1: Difficulty

It's much too difficult for anyone to buy or sell a new or small cap cryptocurrency, especially for people completely new to crypto. In most cases they need to watch or read tutorials.

For example:

You want to buy coin X, in most scenarios you must first purchase coin Y, which supports coin X. With coin Y now purchased, you then try to identify the exchange that coin X sits on. Once there you must understand how to actually trade coin X. It's not intuitive. In many cases there are complex configuration elements, such as slippage that you must understand to place the trade. You can then finally trade coin X and hold this coin in a wallet. Then if you're new to crypto, a common question is "what is a wallet?" Lastly, if you want to sell the coin? You have to do this entire process in reverse.

The current process is complicated and time-consuming even for experienced users. 55% of respondents surveyed stated that existing DEXs, such as PancakeSwap, are difficult to use, with the median vote being a difficulty level of 7/10, see Figure 1.0 [1].

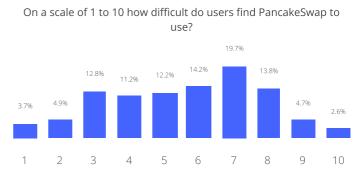


Figure 1.0: A bar chart depicting the difficulty level of using PancakeSwap as an experienced user.

This high level of difficulty presented by existing DEXs creates two main problems:

- 1. **Barrier to entry:** The average investor often decides not to invest at all because the process is simply too complicated.
- 2. **Financial loss:** The more alarming problem is that 50.9% of users responded that they have made a mistake leading to a financial loss when using PancakeSwap, see Figure 2.0. 66.3% of users frequently experiencing errors when using DEXs, with a mean error frequency rating of 5.5./10, see Figure 3.0 [1].

Figure 3.0:

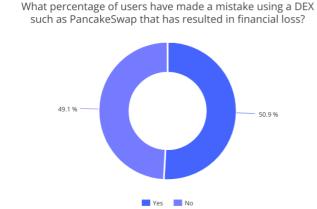
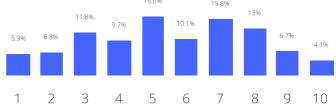


Figure 2.0: A pie chart depicting the percentage of users that have made a mistake leading to financial loss on a DEX such as PancakeSwap.





A bar chart depicting the error frequency level experience by users using a DEX such as PancakeSwap.

Problem 2: Complicated User Experience

Using the above example: After many timeouts, error codes with terminology that reads like a foreign language, and an overall clunky, inconvenient user experience... you have finally made it through! And now there is no guarantee that the wallet you chose will even display your new purchase. You paid for this new crypto - where is it?

Now you research and figure out how to add a blockchain contract to your wallet, but you can't get accurate pricing information! You have to find and use a third-party website just to check your balance.

This can obviously lead to extreme frustration and confusion for new users. Imagine depositing money into a bank account and not seeing it in your account dashboard or how much is even there. That's what it feels like for new users. This results in a staggering 28.8% of new users requiring more than 40 minutes to place their first trade on DEXs, such as PancakeSwap, see Figure 4.0 [1]. This problem is reduced for experienced users but is still incredibly convoluted, with 42.3% of experienced users requiring more than 10 minutes to place a trade on DEXs, such as PancakeSwap, see Figure 5.0 [1]. User experiences should be intuitive, guided, and easy to become adapted to. This is not the case for existing implementations on the market.

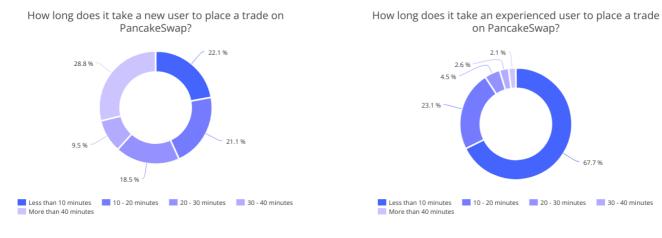


Figure 4.0: A pie chart depicting the time taken to place a trade on PancakeSwap as a new user.

Figure 5.0: A pie chart depicting the time taken to place a trade on PancakeSwap as an experienced user.

Additionally, wallet keys can be lost. Most wallets will not allow you to regain access to the wallet if you forget or misplace your wallet keys. There is currently no support for those affected.

Problem 3: User Security Risks

If you purchase a cryptocurrency through a DeFi exchange, the developers in most cases have full access to all liquidity in the exchange. It's the "wild west" right now and developers can anonymously launch new cryptos. There is zero research or due diligence from the DeFi exchange. Scammers love DeFi exchanges — it's anonymous with permanent transactions. When they succeed there is zero recourse for users that lose their funds.

What **can and does happen** is all the money invested is pulled out from an anonymous team somewhere - this is known as "rug pulling" amongst cryptocurrency communities. Right now this happens so often with new or small-cap cryptocurrencies **there's a term for it.**

There are many other unchecked scams in DeFi exchanges all running at this very moment. Honeypots [2], wallet dusting [3], and phishing attacks are all heavily prevalent in DeFi Exchanges.

The members of our user base that partook in our survey alone (507 users) have reported losing over \$200,000 through rug pulling and scams on DEXs. Resulting in 32% of users not trusting DEXs [1]. Globally, there has been \$113M in losses affecting hundreds of thousands of investors (reported as of July 2021) [4]. This has now been updated to over \$12 billion! "In 2021 alone, cryptocurrency scams and theft in the DeFi sector totaled over \$12 billion in crypto assets stolen from user wallets, as well as exchange holdings" [5].

Our Solution

Copiosa Ecosystem

Copiosa is currently in development of the Copiosa Wallet, Exchange, and NFT Marketplace all-in-one easy to use application. These products, combined with the Copiosa coin and Copanions NFT collection, form the Copiosa ecosystem.

With Copiosa, you will be able to:

- 1. Download our app & create an account.
- 2. Deposit fiat (or crypto) from your country.
- 3. Buy or sell any of thousands of small-cap cryptocurrencies.

All within 5 minutes.

We also are wrapping it all up with extreme focus towards user experience — sleek, simple, and safe.

Our Key Features

- 1. A sleek and simple user journey to purchase crypto tokens.
- 2. An all in one application in order to hold and exchange crypto tokens at the tap of a button.
- 3. A smooth and painless listing experience for new tokens or liquidity providers.
- 4. Risk alerts and safety measures to protect our customers.
- 5. Ability to access your cryptocurrencies using email and password.
- 6. Ability to send tokens or coins to someone's email address.
- 7. Cross blockchain compatibility.
- 8. Fiat payment methods.

First: Make it Simple

Our first Core Value at Copiosa is "Simple".

We are making the user's journey through our application to be as simple as possible - seamless, aesthetic, and easy-to-use.

You will be able to open an account in minutes and place orders on new cryptocurrencies in a matter of seconds.

When you compare this to the current average time and learning curve of using a DEX like PancakeSwap taking 30-40 minutes? It's easy to see the value and opportunity in providing a great user interface and user experience.

Second: Spectacular User Experience

Users will create an account using an email address and password, along with two-factor authentication. This means that users won't have to worry about remembering or storing secret passphrases.

Once a user has signed up, they will be able to deposit crypto or fiat currencies to their very own Copiosa wallet. Users will then be able to transfer any cryptocurrency they hold inside the Copiosa wallet to others on the platform using their email address to prevent confusion or mistakes occurring when transferring cryptocurrencies.

Eventually users will be able to store cryptocurrencies on different chains inside the Copiosa wallet. This enables the user to hold different coins, for example Binance Smart Chain coins and Ethereum Blockchain coins, in one place.

Copiosa will also offer financial tools for our customers to trade more effectively such as stop-losses and limit orders. These tools are invaluable to the average crypto investor.

Third: Safety is Paramount

Copiosa will focus deeply on the safety and security of our users' funds. Liquidity providers and creators of tokens or coins are not permitted to remove liquidity at free will. They must go through a review process whereby they must present evidence of certain requirements, such as notifying their investors of the move of liquidity.

Copiosa will allow any cryptocurrency to provide liquidity to our Exchange completely free of charge. We will accept liquidity in the form of a pair which will be Copiosa Coin (COP) with the coin the liquidity providers would like to provide.

As soon as liquidity is provided, the cryptocurrency will be made available on our exchange. Cryptocurrencies that have been through an additional, more thorough compliance process will have a "Verified" badge. Other cryptocurrencies will have also gone through a compliance process to ensure user safety, but will be warned prior to investing of the risks associated.

To ensure safety for the user base, Copiosa will provide an auditing service for coins that have listed on our exchange. This will include know-your-business (KYB) checks, KYC of company directors, and a token audit where we will verify the identity of the creators and require documentation to confirm the business associated with the individuals.

The Copiosa Coin

The Copiosa Coin (COP) is a BEP-20 utility token that runs on the Binance Smart Chain (BSC). The Binance Smart Chain relies on a system of 21 validators with Proof of Staked Authority (PoSA) consensus that can support short block time and lower fees. [6]. This means you can currently send and transfer Copiosa Coin only paying a few cents in transaction fees. The Copiosa Coin was created on Friday, 9 April 2021 by James Mallon, kick starting the Copiosa Project.

Utility

The Copiosa Coin has 2 main points of utility:

- 1. Copiosa coin is intended to be traded for other (supported) tokens on the Copiosa ecosystem.
- 2. Copiosa coin can be used to pay for fees connected with the Copiosa Token Exchange, with a 20% discount applying when the fees are paid in COP.

By owning Copiosa Coin it does not entitle the holder in any way, shape, or form to rights, shares, dividends or any benefit of any kind from the business Copiosa Holdings LTD, Copiosa Tech LTD, or any associated business'.

Supply

The Copiosa Coin has a maximum supply of 500,000,000 (500 million) tokens, this means that no more Copiosa Coin tokens will ever be minted. The reasoning behind this is due to the fact that we wanted to ensure the value of the token is determined by the demand for the token and no inflationary or deflationary token mechanics.

On its creation 100,000,000 (100 million) Copiosa Coins or 20% of the total supply was reserved for the Copiosa Coin Development Wallet. This wallet is owned by Copiosa Holdings LTD and the purposes of this wallet include but are not limited to:

- 1. Giveaways, Competitions and Airdrops.
- 2. Finance for Marketing.
- 3. Development of Copiosa as a business.
- 4. The supply of the Copiosa Coin to other exchanges.

The Copiosa Coin has a circulating supply that continuously fluctuates due to the usage of different wallets. There are 2 main wallets that affect the circulating supply of the Copiosa Coin.

- 1. Copiosa Coin Development Wallet
- 2. Copiosa Coin Supply Wallet

Whilst the purpose of the development wallet has already been described, it is also important to describe the purpose of the supply wallet. The supply wallet is used to facilitate over-the-counter (OTC) swaps of the Copiosa Coin for the Binance Coin (BNB). BNB and COP are then used to increase the liquidity of the Copiosa Coin and reduce price volatility.

Currently, at the time of writing the circulating supply of the Copiosa Coin is 377,899,390.2 (378 million). You can take the balances from each wallet and subtract them from the total supply to get the current circulating supply figure.

Technicals

The Copiosa Coin implements the standard IBEP-20 interface. The BEP-20 token standard was created by Binance and extends the ERC-20 token standard from ethereum. The BEP-20 token standard allows for fungibility and provides a flexible format for developers to launch a range of different tokens [7]. You can view the Copiosa Coin source code by visiting our GitHub here.

There is neither inflationary or deflationary tokenomics for the Copiosa Coin. The Copiosa Coin does not implement any burning functionality on each transaction like many popular tokens as it would invalidate its use as an easy medium of exchange. The Copiosa Coin does not also allow for the minting of new tokens as a fixed supply creates scarcity in the market and means that the value of the token is defined simply by demand. NB: whilst there is a mint function present in the contract source code, it is only accessible to the owner of the contract and the ownership has been renounced. Due to the fact that the ownership has been renounced, we cannot control the underlying smart contract of the Copiosa Coin and the Copiosa Coin is a decentralized token.

The Copiosa Coin smart contract is simplistic and pragmatic by design. Many individuals report that this contract is similar to other token's contracts. This is due to the fact that it is the typical open-source implementation of the BEP-20 contract.

Contract Functionality

It is important to understand the functionality of this contract regardless of whether the reader can write computer code or not. Here we describe the purpose and functionality of publicly accessible methods on the Smart Contract:

getOwner() =>

decimals() =>

symbol() =>

Returns the symbol or ticker of the token. In the case of Copiosa Coin this returns COP. This is shorthand to be able to distinguish between many tokens.

name() =>

Returns the name of the token. This is how operators such as BSCScan know what the name of the token is. In the case of this smart contract it is Copiosa Coin.

totalSupply() =>

Returns the total supply of the token. In the case of Copiosa Coin this is fixed to 500,000,000 (500 million) tokens.

balanceOf(address account) =>

Returns the balance of the Copiosa Coin in the account that you specify.

transfer(address recipient, uint256 amount) =>

Transfers the token from the wallet owner who is sending this request to the recipient's address that must be specified above. The total amount of the transaction is specified in the parameter amount. This is the typical method that is called when you press the send button in wallet applications such as metamask or trustwallet.

allowance(address owner, address spender) =>

Returns the number of tokens that a third party (spender) can transfer out of the owner's wallet. The owner of the wallet can approve tokens to be spent on their behalf by using the approve method below.

approve(address spender, uint256 amount) =>

Sets the allowance using the amount parameter that the address of a third party (spender) can transfer from the wallet of the person calling this method. Typically this method is used by dApps or DEX's for exchanging tokens.

transferFrom(address sender, address recipient, uint256 amount) => Allows a third party to transfer an approved amount of tokens from one address to another address. The number of tokens sent is deducted from the sender's allowance in the smart contract which can be retrieved by calling the allowance function above.

This essentially completes a 2-step process of approval / allowance created by the user for a third party and then the third party can independently complete the transfer functionality.

increaseAllowance(address spender, uint256 addedValue) =>
Increase the spender's allowance that is approved for transfer by a third party. Only as
long as the spender and the caller of this function's addresses match.

decreaseAllowance(address spender, uint256 subtractedValue) => Decrease the spender's allowance that is approved for transfer by a third party. Only as long as the spender and the caller of this function's addresses match.

mint(uint256 amount) =>

Create brand new tokens and increase the supply of the token in question. In the case of Copiosa Coin this is not possible due to the fact that ownership has been renounced and this method is not accessible to anyone.

Why Create a Token on the Binance Smart Chain?

The Binance Smart Chain launched in September 2020 about a year and a half after the launch of its older sibling BC [8]. Binance opted to create a separate chain for smart contracts and wrapped BNB. This was to prevent the original network from being overloaded with transactions. The BSC is a hard fork of Go Ethereum (A GoLang implementation of the Ethereum network). The Binance developers changed a large amount of the Ethereum source code and replaced the consensus mechanism from Proof of Work (The mechanism at the time) to Proof of Staked Authority (PoSA). This means that you get all of the incredible smart contract features that come with Ethereum but without the ludicrous gas fees for transactions. This is the exact reason why we chose the BSC.

The Copanions Collection

What are NFTs?

A Non-Fungible Token or NFT is a unique cryptographic asset situated on a blockchain. They hold unique metadata that cannot be replicated which is used to distinguish one NFT from another. This allows these items to be traded with far more efficiency, cutting out the need for middle men and changing the definition of ownership, whilst simultaneously reducing negative impacts such as fraud.

What are Copanions?

Copanions are a collection of 1,500 NFT's - unique digital artwork collectables located on the Binance Smart Chain network. Copanions run parallel to the Copiosa exchange, entitling owners to rewards which are in the form of the exchange token Copiosa Coin. Copanions act as a stand alone membership card to Copiosa's Copanions Dashboard, bestowing various benefits to the owner. Owning a Copanion does not entitle the holder in any way, shape, or form to rights, shares, dividends or any benefit of any kind from the business Copiosa Holdings LTD, Copiosa Tech LTD, or any associated business'.

In total there are 9 potential interchangeable categories per NFT. These categories have 239 different attributes that are randomly generated. These attributes have varying degrees of rarity which are programmed into an algorithm before being generated. This gives each Copanion its unique characteristics with no one Copanion being identical. The rarer the attribute, the more sought after the specific NFT. More information on the different categories and attributes can be viewed at <u>Rarity Sniper</u>.

Utility: Airdrop Rewards

Copanion holders will receive an airdrop of 750 Copiosa Coin (COP) every month per Copanion. This will commence either on the launch of the Copiosa exchange or at the point in which 100% of all Copanions have been purchased. The monthly airdrops will last for a minimum duration of 2 years, commencing on the date that either of the above provisions have been fulfilled. The benefits will be sent in COP, the native exchange token for the Copiosa exchange. COP tokens will be sent directly into your wallet where users can hold or exchange at their own discretion. Airdrops will be transferred proportionately across all Copanions and owners will be able to view these transactions by connecting to the dashboard.

Airdrops will be given in the form of Copiosa coin (COP), the exchange token which will be used as the means of transaction on the copiosa exchange.

These exchange tokens can be traded for other listed utility tokens on the Copiosa exchange or used to reduce fees associated with transactions (see the token section in this whitepaper for more information on the utility and technical aspects of COP).

Utility: Competitions & Challenges

Copanions grant owners the opportunity to take part in exclusive competitions and challenges. These competitions will be frequent and give members the opportunity to win large rewards in COP, both individually and as a team. These challenges will take many forms and be implemented by a specific Copanions Community Manager. Copanion holders will also be able to actively participate in choosing future benefits.

Other Rewards

Copanion holders will also be able to redeem further benefits from owning an NFT based on a tiered ownership system. Please see the below table which highlights each tier, the benefits, and the criteria associated with these benefits.

Tier	Criteria	Benefits
Bronze	Own 1+ Copanion	 Bronze badge on Discord and Exchange app. Copanions Discord Channel access.
Silver	Own 5+ Copanions	Silver badge on Discord and Exchange app.Access to VIP Discord channel.
Gold	Own 10+ Copanions	 Gold badge on Discord and Exchange app. Access to VIP Discord channel. Copiosa themed t-shirt, mug, and pen. Featured bio of you and your favourite Copanion.
Diamond	Own 20+ Copanions	 Diamond badge on Discord and Exchange App. Access to VIP Discord channel. Copiosa themed t-shirt, mug, and pen. Featured bio of you and your favourite Copanion. Physical framed copy of your favourite Copanion signed by the founders.

Copanion rewards will be dynamic and the Copiosa team will continuously strive to add more benefits to the Companions collection. These will be implemented in the dashboard as well as the exchange itself.

Discord - A social media platform used to engage with our community. Exchange App - The Exchange application currently in development by Copiosa. Badge - A symbol of your status as a Copanion holder.

Copanions Technical Specification

Copanions were built on the Binance smart chain network using the commonly used BEP-721 token standard. This is a highly used standard for its versatility which even though is located on the BSC blockchain, still allows for compatibility with the ERC-721 token standard. Due to this, users are only able to list Copanions on external marketplaces that support the Binance Smart Chain.

Each Copanion is programmatically generated from 239 different character traits, making each NFT unique. These traits comprise of outfits, headwear, expressions, backgrounds and much more. Each NFT will be unique and the rarity of each trait will be available to view by each holder in the dashboard.

Please follow the below contract addresses for more information on Copanions technical specifications:

Copanions Verified Smart Contract Address: 0x28C201A4C50F572bD4C83BA9BF2Eb49a64ac374E

Copanions Exchange Verified Smart Contract Address: 0xDBD086D1778EF1003822dC42a7c479775C41c5ff

How Can Copanions be Purchased?

Copanions can be purchased through the Copiosa Website. Users must connect a wallet holding Binance coin (BNB) on the Binance Smart Chain to the Copiosa website and exchange BNB for a randomly generated Copanion. Copanions can only be purchased by trading the utility token BNB for the digital artwork. Once traded, the generated Copanion will be transferred into the user's chosen wallet.

Copanions Dashboard

The Copanion dashboards primary utility is a means to display Copanion NFT's. The dashboard acts as a gallery in which users can connect their chosen wallet containing their NFT and view all Copanions owned. The secondary function of the Copanions dashboard is to show any airdrops of the exchange token COP associated with their Copanions. The airdrop units received will be displayed along with the time and date of transfer.

Holders will also be able to access the community portal through their dashboard. This will be regularly updated to show the latest competitions, challenges and games on offer by holding a Copanion. The dashboard is in constant development and will be regularly updated with more rewards, competitions and information relating to the Copanions collection.

Statistics

Safety & Security

When it comes to the DeFi market, "rug pulling" has been responsible for \$113 million in losses as of July 2021 [3] affecting hundreds of thousands of investors.

User Base

"As of 2021, we estimated global crypto ownership rates at an average of 3.9%, with over 300 million crypto users worldwide. And over 18,000 businesses are already accepting cryptocurrency payments" [9].

Opportunity

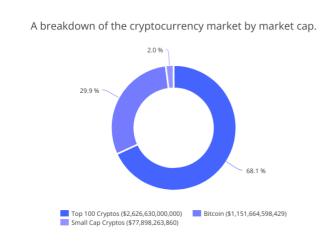


Figure 6.0: A pie chart depicting the breakdown of the cryptocurrency market by market cap.

Although a small sliver of the overall cryptocurrency market, the small cap market still represents ~78 billion in market cap. With the global Cryptocurrency Market expected to grow at a compound annual growth rate (CAGR) of 30% from 2019 to 2026, this still presents an incredibly large opportunity to capitalize upon [10]. Especially when the competition is not fulfilling the requirements of the user.

Conclusion

Web3 technologies have burst onto the scene in recent years accelerating the development of decentralized finance (DeFi). In what is currently a convoluted, wild and treacherous environment for those looking to utilize DeFi technologies, Copiosa hopes to provide simplicity, clarity and safety to its user base. DeFi members are often subject to loss of capital due to scams, rug pulls, honeypots and many more harmful schemes that appear to offer fantastic rewards that can benefit consumers. The brilliant underlying technology has been repetitively misused, creating a stain on the world of crypto.

While barriers to entry remain high, the end goal of Web3 mass adoption will remain elusive. The need for innovation in this area is clear. The highlighted problems in purchasing, user experience and security within the small-cap landscape pose both a threat, and also an opportunity for those willing to solve it. Copiosa takes the latter view and the proposition outlined in this white paper will both innovate and help drive mass adoption. Copiosa will enable crypto to be used by every person, every day.

Citations & Links

Citations

- [1] Copiosa Token Survery (2021)
- [2] Coin Telegraph (2021) https://cointelegraph.com/news/what-is-a-honeypot-crypto-scam-and-how-to-spot-it
- [3] Binance Academy (2018) https://academy.binance.com/en/articles/what-is-adusting-attack
- [4] Cyber Talk (2021) https://www.cybertalk.org/2021/09/02/defi-cryptocurrency-rug-pulls/
- [5] Alex Lielacher (2021) https://trustwallet.com
- [6] Binance https://docs.binance.org/smart-chain/guides/bsc-intro.html
- [7] Binance Academy https://academy.binance.com/en/glossary/bep-20
- [8] Finbold https://finbold.com/guide/binance-smart-chain/ #:~:text=Binance%20launched%20the%20Binance%20Chain,its%20vision%20for%20de centralized%20trading
- [9] Triple-A (2021) https://triple-a.io/crypto-ownership/
- [10] Global Newswire (2021) https://www.globenewswire.com/en/news-release/2021/04/12/2208331/0/en/At-30-CAGR-CryptoCurrency-Market-Cap-Size-Value-Surges-to-Record-5-190-62-Million-by-2026-

Says-

Facts-Factors.htm

Links

Website: https://copiosa.io

Twitter: https://twitter.com/CopiosaOfficial

Reddit: https://reddit.com/r/CopiosaOfficial

Newsletter: https://copiosa.io/#email-input

Telegram: https://t.me/CopiosaTelegram

Telegram Announcements: https://t.me/CopiosaAnnouncements

Discord: https://discord.gg/zStGnCSdT2

Twitch: https://www.twitch.tv/CopiosaOfficial

TikTok: https://www.tiktok.com/@CopiosaOfficial

Instagram: https://instagram.com/CopiosaOfficial

YouTube: https://www.youtube.com/channel/UCeirwFdCcyOr8hUdKiwdo-Q

Github: https://github.com/copiosa

Facebook: https://facebook.com/CopiosaOfficial

LinkedIn: https://linkedin.com/company/Copiosa

CoinMarketCap: https://coinmarketcap.com/currencies/copiosa-coin/

CoinGecko: https://www.coingecko.com/en/coins/copiosa