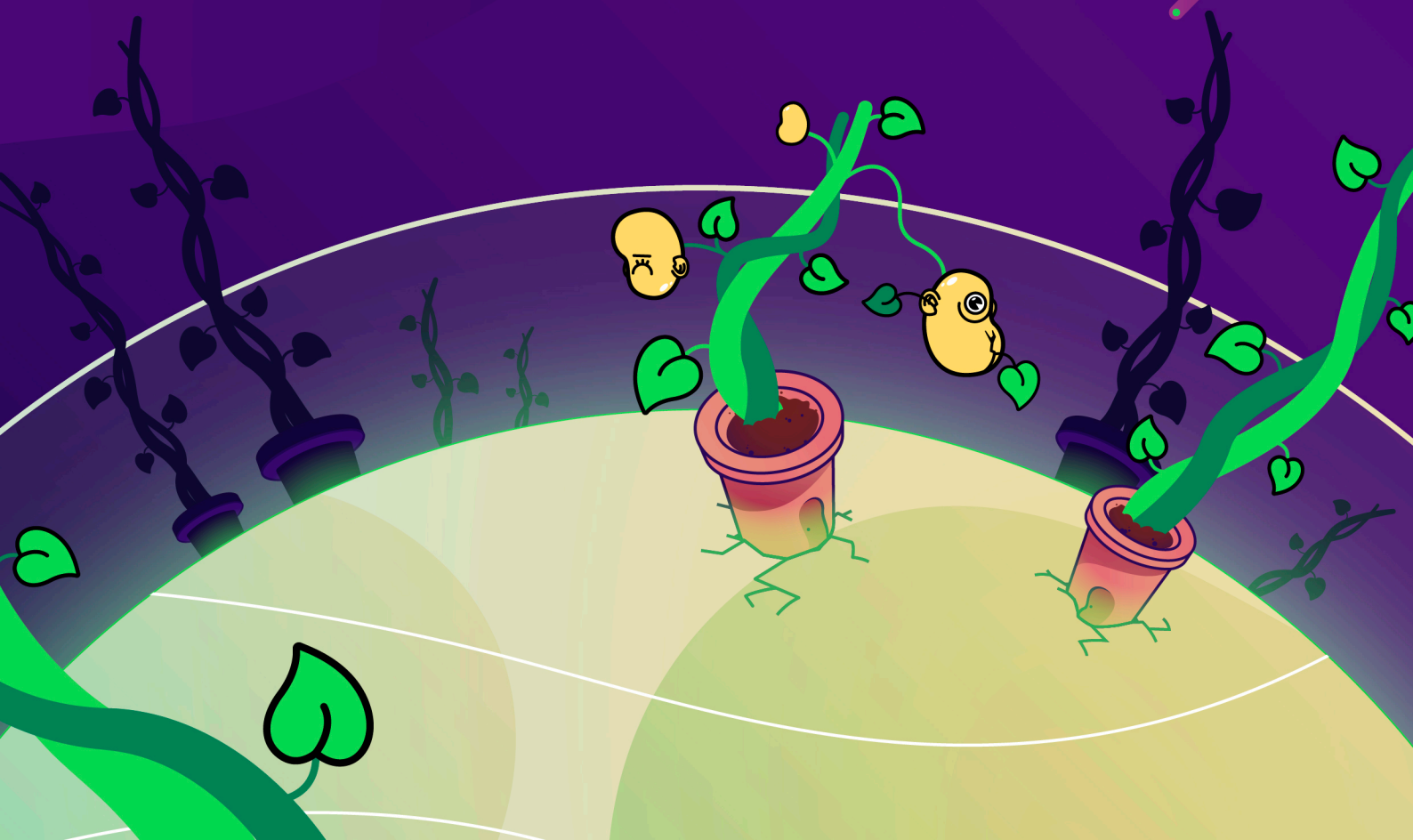# COMBEANATION

"High-speed trains are impossible:

passengers could not breathe and would die of asphyxiation."

Dionysus Lardner, lecturer at University College London, 1830

"Life is not measured by the number of breaths we take, but by the moments that leave us breathless."

Poet Maya Angelou (1928-2014)

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DISCLAIMER

Any claims that are not historical facts found in this document, may be deemed forward-looking statements, which may be contained in or inserted by reference into this document. This publication contains no assurances or warranties for the accuracy of any forward-looking statements. It goes without saying that any projections, forecasts, or estimates presented in this article are fundamentally speculative and dependent on numerous assumptions.

It is conceivable that these forward-looking statements could prove to be inaccurate and will be impacted by false assumptions as well as known and unknown risks, uncertainties, and other factors, the great majority of which are beyond our control. Consequently, it is fair to assume that any or all of these forward-looking assumptions may prove to be erroneous or that actual results would vary significantly from projections.

This white paper has been produced to assist you in completing an educated assessment of the ComBEANation project; thus, we advise you to read it from beginning to end. This is not intended to be an entire list, nor is it meant to be a complete and thorough depiction of the ComBEANation.

In this white paper, estimates, facts, and positions drawn from both known and unknown elements and dangers are provided in different formats. Actual project performance may vary significantly from the expressed views and any forward-looking language included in this paper. This whitepaper is not meant to be and should not be considered as investing or financial advice. Never depend on another person's research or diligence.

We make no depictions as to the thoroughness or accuracy of any market rates, data, or other information, which is premised on selected public market data, reflecting current market conditions, and representing our opinion as of this data, and is therefore subject to change at any time without notice.

ABSTRACT

Without a doubt, NFTs ultimately offer a new mindset about digital products and communities. They give a platform for innovators to express themselves and share their ideas with the world, while also enabling individuals to gather together around shared interests and ideals. We are only beginning to scratch the surface of what is possible with NFTs, and it will be fascinating to watch where this cutting-edge technological wave leads us next.

Furthermore, NFTs have become an omnipresent cultural force and an equally potent fundraising mechanism. Moving forward, ComBEANation believes that NFTs can become a force of goods that blends the latest blockchain technological innovation, enticing mission-driven groups, and charities of all sizes to maximise crypto technology to accomplish their mission.

With a green and sustainable spirit, we decided to start our own collection of NFTs to gather revenue that would be used for activities or initiatives that will assist in the preservation or protection of our environment. We hope to build a community of Green Tech enthusiasts that will endure and expand over time. Supported by the innovative potential of current technologies, we aim to build a community of individuals who love and understand the technology and the digital world, and comprehend how AI, space, blockchain, algorithms, and IOT can help us speed up and safeguard the globe.

To rescue the Planet, 3939 distinct BEANS must work together to develop the Beans' Nation. This new future where ComBEANation blurs the lines between marketing, philanthropy, and ownership, contributes to the emergence of communal sustainability, going far beyond the originating project to benefitting our Planet.

Moving forward, ComBEANation adheres to some tangible and specific objects, surpassing the digital realm. One of our paramount goals is to plant 15,000 trees in Italy, along the Po Valley. Furthermore, we offer a unique phyigital experience, merging the digital and physical realms, by offering our customers the possibility to create their own ComBEANation t-shirts, made from sustainable fabrics.

VISION AND MISSION

ComBEANation is built by technology lovers with a green soul, a solid community of people who believe that technology is the perfect tool to rebalance the forces of nature and protect the environment. Even if the answer to this global sustainability crisis is complicated, multidimensional, and will take years to develop, one thing is certain: technology will play a crucial part.

In the future decades, humanity will confront several formidable obstacles, including climate change, biodiversity loss, and rising inequality. These systemic global challenges cannot be addressed separately due to their interconnectedness. But current structures are insufficient to achieve a balance between environmental and social objectives.

With the advancement of global connections, we are able to adapt the innovative approaches of software development to more conventional industries. With universal access to information, individuals will be able to maintain and modify technology on their own. Over time, it has evolved into a proactive innovation-seeking route for the whole ecosystem, which further pushes the limits of technological advancement and knowledge.

Recognising the ever-increasing product complexity, which makes it impossible for even the biggest organisations to conduct the whole development process in-house, this collaborative approach is critical. Particularly, advancements in the transportation, food, and housing sectors need that human and cultural demands to be addressed throughout the entire development process.

Without a doubt, technology may aid in measuring and enhancing production, providing efficiency and cost savings, minimising product waste, chemicals, and resources, and evaluating and recording progress, all of which can aid in decreasing the negative environmental effect

Moving forward, the first initiative foresees two phases when NFTs will be issued, both of which are tied to genuine and eco-friendly activities:

• The first generation of NFT Beans is correlated with planting one Paulownia tree for every NFT sold.

• The first generation of NFT Flowers is correlated with the planting of Paulownia trees and the option to purchase a t-shirt with your own Flower NFT made in Italy with eco-friendly textiles

Therefore, our proposal intends to plant a Paulownia tree for each new NFT that is issued.

OBJECTIVES

BUILDING A MORE SUSTAINABLE WORLD

As inhabitants of Earth, we have a collective responsibility to protect our environment. Every aspect of human well-being and survival is intertwined with our relationship to the natural world. Sustaining the ecosystem for current and future generations means creating and maintaining circumstances conducive to coexistence between people and nature.

ComBEANation aims to be part of the overarching pursuit to pave the way for a better world, promoting sustainable practices.

PLANTING 15.000 TREES

Moving forward, the paramount objective of our project is planting more than 15.000, which will remove from the atmosphere about 1,500 tons of carbon dioxide every year. Trees are the core elements that enable human existence, providing oxygen, storing carbon, maintaining the soil, and providing life to the world's fauna. They also provide us with resources for tools and shelter. Trees represent a connection between the past, present, and future. If you wish to know the seasons, Is it winter, spring, summer, or autumn? Observe the trees. The world's forests, rainforests, and trees must be conserved and maintained responsibly.

Planting trees is thus one of the largest and most cost-effective solutions to remove CO2 from the atmosphere and combat the climate catastrophe, For the first planting, we would look for at least 7, up to 10 hectares of land in the Po Valley in Italy to be able to plant a sufficient number of trees. In the first phase, we plan to plant 3,939 Paulownia trees, one plant for each first-generation NFT minted.

Overall, the Paulownia plant absorbs around 100 kg of carbon dioxide each year. This implies that if we are able to plant 15,000 trees, we will be able to remove 1,500 tons of CO2 from the atmosphere annually during the lifespan of the Paulownia plant.

Ultimately, planting 15,000 trees will result in the establishment of more than 35 hectares of new woodlands. That is equal to more than 24 football fields.

FOSTERING A GREEN TECH COMMUNITY

At the core of our initiative stands the ultimate belief that technology is the key to building a greener, more sustainable world, to improve the quality of life on our planet for all living beings, from humans to animals and plants.

We want to build a community that is comprised of people who have a deep passion for and extensive knowledge of technology and the digital world, and who also have an appreciation for the potential that this world and the cutting-edge technologies of artificial intelligence, space, blockchain, algorithms, and IOT

have to be the instruments with which we will hasten the process of protecting our planet and ensuring its sustainability.

Leveraging the latest technological innovation, we will be able to construct models in real-time, due to the gathering of data from the Internet of Things sensors and the analysis of data made possible by artificial intelligence. These models will advise us where and how to take the appropriate actions for the environment.

Furthermore, the conquest of space will provide us with the opportunity to see our home planet from a vantage point that hitherto has been accessible to only a select group of astronauts. This fresh perspective will help us realise how delicate and one-of-a-kind our planet is in comparison to the rest of the cosmos, as well as how critically crucial it is to preserve it. The human race will eventually come to the realisation that the primary reason for its existence, and the reason for which it was most likely designed, is to serve as the custodian of our fragile and wondrous planet.

RAISE FUNDS FOR GREEN PROJECTS AND INITIATIVES

Overall, the goal of the initiative is to generate funds in order to first and foremost provide tangible assistance to forestation efforts in densely populated regions and anthropisation efforts. This activity will serve as the fundamental and primary activity necessary for the operation of the ComBANation ecosystem.

Moreover, the second goal is to bring in funds so that a budget may be established for the purpose of funding environmentally friendly and planet-protecting initiatives of varying sorts and degrees of complexity. For this pursuit, our community will put up ideas for the projects, and then vote on those ideas.

COMBEANATION NFTS

ComBEANation NFTs bring the story of a new way of life, united by a desire to facilitate the prosperous development of humanity in union with nature. The ComBEANation NFT Project was born from people who love technology and have an ecological soul, pursuing the higher objective of creating a better world that will be able to sustain life for millennia to come. In our quest, we are convinced that technology is the most effective tool to help rebalance nature and protect our world.

For this, they have seized the opportunity provided by the emerging NFT world and its nascent market and interest to create a project that combines these two values: love for technology and the environment. ComBEAnation is one of the first cross-world projects, Phisigital, which transports energy born in the digital world to the physical world.

ComBEANation is unique owing to its NFTs and comprehensive marketing strategy to make them become popular and sought after, combined with gamification techniques that create digital value that is transported and transformed into offline physical value that concretely reduces the CO2 in our atmosphere,

TECHNICAL ASPECTS

The ComBEANation NFTs will be deployed on the Ethereum blockchain. Ethereum is a blockchain-based platform that may be used to develop applications with many use cases. Ethereum's versatility for developers is one of its strongest characteristics.

We, at ComBEANation, have chosen the Ethereum network it is the most popular, developed, decentralised, and ubiquitous blockchain. We are aware that it is currently not the most ecological blockchain, but we are certain that ETH 2.0 will change that. In the next section, we will uncover the necessity of this transition and how this would benefit the overall environmental effects. Ethereum is the top decentralised platform for executing smart contracts.

- *Data Coordination* - Ethereum is a decentralised platform that distributes data and fosters trust amongst system users. The technique eliminates the requirement for a centralised network administrator.
- *Streamlined Deployment* - On Ethereum's network, businesses may now swiftly set up and manage an exchange, mining, and storage. Thus, consumers can depend on ConsenSys' Quorum program to comply with future requirements.
- *Network Size* - The Ethereum mainnet has proved that an Ethereum network with numerous nodes can support millions of users. The absence of precedence for this form of network is a challenge shared by most blockchain rivals. Any initiative must be able to grow without disruptions, therefore, network size is crucial.

ETH 2.0 - From PoW to PoS

Similar to Bitcoin, Ethereum was established utilising the proof-of-work (PoW) consensus process. The PoW data serves two primary purposes:

- Permits computer nodes that protect and safeguard the platform to concur on the veracity of information broadcast on the Ethereum network.
- Prevents economic attacks on the network.

Yet, the PoW algorithm is not flawless, and the problems — notably long transaction times and high gas prices — were too significant to ignore. The version of Ethereum that was launched in 2015 was revolutionary, but the network encountered challenges due to unprecedented demand. These issues may be reduced to three basic areas:

- *Congested Network*: The blockchain got excessively congested, which is undesirable for seeking worldwide adoption. Each computer node must validate transactions on the blockchain in order to ensure security, which reduces transaction speeds.
- *Insufficient Disk Space*: As the Ethereum network increased in popularity, it became more difficult to execute software known as nodes due to insufficient storage space. The challenge is to enhance Ethereum's size and power without jeopardising its decentralisation.
- *Tremendous Energy Consumption*: Ethereum's need for energy to maintain the PoW consensus mechanism for network security is unsustainable over the long run due to its high energy consumption.

The emergence of decentralised finance, or DeFi, is another example of a use case that has highlighted the need for a scalable network. Despite the fact that the DeFi market's total value-locked (TVL) has skyrocketed since it caught on like wildfire in 2020, its expansion has been restrained in several areas. Some developers have chosen other blockchains, whilst institutions have mostly stayed on the sidelines until the bugs are ironed out. Ethereum would certainly disrupt conventional banking much more if its scalability and pricing were improved.

Here, Ethereum 2.0 comes into play. This is a significant update of the old network to one that is more scalable, which might accelerate the widespread adoption of blockchain technology.

Chief among the modifications is the conversion from proof-of-work to proof-of-stake in the consensus protocol. Staking will increase involvement in safeguarding the Ethereum network, resulting in a blockchain that is more decentralised.

Ethereum 2.0 will provide a multitude of features that are expected to lure even more developers to the network. The three most important enhancements are:

- *Enhanced Scalability*: Ethereum ought to have the capacity to accommodate thousands of transactions per second (TPS) for applications created on the network with faster speeds and lower costs. The combination of sharding with a Proof-of-Stake (PoS) algorithm is anticipated to provide larger scalability by the addition of more nodes, resulting in a higher TPS without requiring more power.
- *Improved Security*: Ethereum must be as safe as feasible to withstand assaults so that users, especially institutions, are comfortable using it. The aforementioned Beacon Chain is intended to contribute to network security.
- *Greater Sustainability*: a smaller carbon footprint has emerged as a key focus in the bitcoin sector. The energy required by the PoW consensus algorithm is substantial. No longer requiring mining, Ethereum 2.0 will be more environmentally friendly. PoS will reduce Ethereum's energy usage "by

a factor of more than 1,000," according to Ethereum co-founder Vitalik Buterin, whose vision for the cryptocurrency is shown in the graph below.

Ultimately, ETH 2.0 will signal the end of energy-intensive mining, and once the transition is complete, the Ethereum Foundation estimates energy consumption to plummet by 99 %.

Transition Phases

- **Phase 0 – Beacon Chain** - Phase 0 commenced on December 1, 2020, with the formal launch of the Beacon Chain. The purpose of Phase 0 is to offer randomisation and attestations for a shard block. With the introduction of Phase 0, ETH2 is a new token. Using a registration contract, Ethereum users will be able to convert to ETH2 at a 1:1 ratio, which efficiently burns the ETH you utilised to hold). The Beacon Chain further brings staking to Ethereum, allowing the community to stake 32 ETH2 on validator nodes.
- **Phase 1 - Shard Chain** - Phase 1 would enable Ethereum to grow tremendously using "shards." The network will be divided into 64 concurrently operating shards, each of which will conduct transactions and computations. Crosslinking will also enable the shards to speak with one another during Phase 1.
- **Phase 2 – Execution Engine** - Ethereum 2.0 will reach its ultimate form during Phase 2. Existing proof of work (legacy) and newer proof of stake networks come together at this time. From now on, ETH will be united with ETH2, and Ethereum will enter a new phase.

EXPLORING COLLECTIBLE NFTS

Currently, the NFT market is worth around $1.66 billion and is seeing rapid growth. Beyond the realm of the arts, a slew of new application areas are emerging, ranging from the provision of access to restricted areas to the sale of certified and secure goods, which helps to avoid fraud, to the certification of resale items in the automobile sector.

Since their introduction a few years ago, NFTs have made tremendous breakthroughs, and there is still a considerable possibility for further development beyond their initial uses. According to DappRadar, over 28.6 million wallets traded NFTs in 2021, a significant rise from the approximately 545,000 wallets that swapped NFTs in 2020.

- *Authenticity* - Each NFT has an authentic appearance and feel. NFTs are unique in that they each have their own distinct personality, and no two are the same. An original image.jpg file and its duplicate, a.jpg, are, on the other hand, identical in every way.
- *Ownership* - These tokens serve to guarantee that the transmitted object is the recipient's property.
- Fraud-Proof - They are fraud-proof since they are freely transferrable and are unaffected by theft or other fraudulent activity.
- *Scarce Digital Resource* - The fact that NFTs are kept on the blockchain makes the certificate of ownership available across several networks, resulting in proof of verifiable digital ownership.
- *Indivisibility* - Most NFTs are indivisible, meaning that they cannot be converted into smaller denominations or acquired or transferred in lower amounts than the original value

PFP NFTs

PFP is a prominent acronym in internet culture and social media. PFP, which stands for "profile picture is also one of the most common NFTs. Multiple full-form terms, including profile image, picture for proof, and picture for profile, are used by Internet users to refer to PFP.

Overall, the NFT mania has elevated the search for unusual, bright, and statement-making PFPs to a new level: NFTs as PFPs. The concept of NFTs portraying digital avatars was inspired by the 2017 creation of CryptoPunks by Matt Hall and John Watkinson. Their start-up, Larva Labs, produced thousands of randomly generated pixel art pictures of styled humans (Punks) and sold unique crypto tokens to represent their ownership. The Punks seemed to have entertaining personalities with which their owners might identify. The supply and designs of the Punks are eternally set; certain designs are duplicated, while others often occur throughout the collection. Unique are the most precious and uncommon items.

Hall and Watkinson designed Ethereum coins to represent ownership of CryptoPunks. These were the first forms of NFTs. They were initially regular ERC-20 tokens with modifications. For example, the developers of the tokens made it difficult to exchange fractional amounts. Since then, CryptoPunks and similar initiatives have paved the way for a standard NFT token dubbed ERC-721, which is tailored to the functionalities that distinguish NFTs from other cryptocurrencies.

Twitter established the link between digital image NFTs and social media profile photographs when it began verifying whether users owned the NFTs connected with their profile pictures. Furthermore, as stated by Instagram CEO Adam Mosseri, IG will conduct an early test of its new NFT capabilities with a restricted group of US-based producers. The process will have connectors for Ethereum and Polygon, with Flow and Solana support coming shortly. To authenticate NFT ownership, NFT holders will be able to link their Rainbow, Trust Wallet, and MetaMask accounts.

Potential for Growth of PFP NFTs

What is driving the expansion of assets in the profile NFT segments? Here are the explanations:

- Most image-based NFT initiatives are community-based. The NFT holders are granted voting rights and engage actively in the development of the initiative.
- These NFT initiatives have a specified plan of action. Thus, investors are aware beforehand of what to anticipate from their investments.
- Some PFP NFTs include both physical and virtual utilities.
- Most PFP NFT applications use retail shops to monetise creative work. If the project permits, an NFT holder may additionally monetise their own assets by selling merchandise such as T-shirts.
- In conclusion, PFP NFTs initiatives provide more prospects for monetisation than other NFTs. Moreover, PFP NFTs are collector's edition works of art that allow you to exhibit your identity in the virtual world.

MINT SCHEDULE

- First Season – Genesis of Beans - 3,939 Bean NFTs will be minted
- Flower Season – First Generation of Flower NFTs - o Only those with a Bean can mint a Flower, hence 3,939 Flowers, in addition to the special editions of Bean NFTs will be reserved.
- First Special Edition of Beans - To Be Determined
- Third Season - To Be Determined

We will mint the NFTs only on our website. After the minting period is finalised, the NFTs will be revealed on OpenSea.

Furthermore, the rarity of NFTs will be uncovered after OpenSea listing, on OpenSea metadata description.

- Mint price for WhiteList members: To Be Determined.
- First Bean Season Public Mint Price: 0.069 ETH (excluding gas fees).
- Flower Season Public Mint Price: To Be Determined
- Special Edition of Beans Public Mint Price – To Be Determined
- Third Season Public Mint Price – To Be Determined

TRAITS OF COMBEANATION NFTS:

In the first season of the Bean Genesis, there will be 200 different traits, which will be divided into:

- Background
- Body
- Dress
- Headdress
- Expression
- Accessory
- Extra features

During the FLOWER Season, the traits are still to be determined.

ONE NFT- ONE REAL TREE

ComeBEANation's core mission is to create a digital asset that also has a genuine presence and activity in the actual world, and that contributes to the improvement of our planet's conditions. Our activities are not constrained by digital barriers, as we have a significant impact on the real world surrounding us.

Since the dawn of time, trees have provided humans with food and oxygen, which are both necessary components of existence. They supplied us with additional necessities such as a place to live, medicine, and tools as we progressed as a species. As a result of the expanding role that trees play in meeting the demands imposed by our contemporary lives, their worth continues to rise, and new advantages associated with trees are continually unearthed.

Trees are essential to the existence of all living things, including people, animals, and the environment. Because of this, as deforestation continues, we will need to replace the trees that we cut down. Planting trees will contribute to worldwide reforestation efforts, helping to restore lost forests and devastated ecosystems while also helping to mitigate the effects of climate change if more trees are planted.

Even as humans have developed and begun to face new challenges, trees have maintained their initial version while also adapting to meet the needs of the contemporary world. If trees are planted in the appropriate location, they have the potential to reduce energy consumption and save a significant amount of power. In addition, they are the source of the most oxygen present in the atmosphere.

Nevertheless, our society still fails to recognise these advantages and instead takes trees and their benefits for granted. The same trees that provide us with so much to live with are the ones that we chop down, and then we complain that nature is unjust to us. Therefore, it is imperative that we show reverence for Mother Nature and recognise the significant benefits that trees provide to us on a daily basis.

Acknowledging the paramount priority that should be given to planting trees, ComBEANation merges technology with planting trees. Therefore, for each NFT that is minted as a result of each season's initiative, a real Paulownia tree will be planted (including BEANS, FLOWERS, and any other future developments). Because of this, every NFT will make a contribution to the absorption of carbon dioxide over time.

Each tree planted will be numbered and geo-referenced. It will also be measured and photographed every 4 months and will have a web page where you can see the growth status and updated data and photographs. Thanks to the data collected, a specially developed algorithm will be able to determine the amount of CO_2 absorbed by the tree.

In the end, the ambitious objective of the initiative is to be able to plant 15,000 Paulownia trees, as was previously mentioned.

PAULOWNIA TREE

ComBEANation has chosen the Paulownia tree as a core component of our initiative. We have chosen this tree due to its robustness, efficiency in eradicating CO_2 and overall symbolism as a measure of strength and historical luck. These characteristics are synonymous with the aims of ComBEANation, which aims to fully leverage the potential of blockchain innovation and provide maximum benefits not only to our community but also to the entire world!

Our NFTs will have the aim to replicate in a world of innovation, but for that to happen, we have to first take care of our physical world, and the Paulownia trees are the avenue in which we aim to do so!

Resilience - Paulownia has proven outstanding resilience to pests and poor weather conditions. Paulownia trees grow rapidly, gaining up to 3 feet in height annually. They develop rapidly into 30- to 40-foot-tall trees with 30- to 40-foot-wide canopies. This tree may grow in any kind of soil as long as it is not thick clay that drains slowly. The leaves are enormous, heart-shaped, and a dark green colour. It produces several trumpet-shaped, lilac-coloured blooms, 4-6 cm in diameter, throughout the spring. After blooming, the plant produces clusters of huge, woody pods containing many tiny seeds. Adult specimens may reach heights of 15 to 20 meters, and the bark is grey and smooth; the wood is light, extremely light, yet robust.

CO_2 Absorption - After the growth cycle has ended and it begins to reduce the quantity of CO_2 it absorbs, the tree can be cut down from its roots and might regrow, regardless of where it is replanted. Since its

planting, it can absorb 100 kg of carbon dioxide per year. Overall, the maximum CO2 absorption is up to 10 times more than other plant species.

Suitable for Bees - Moreover, Paulownia is friendly with bees. For this reason, numerous farmers have placed their hives amongst the Paulownia rows. Honey plants have been proven to be natural buddies of bees.

Water Recovery - Paulownia is capable of autonomously recovering its water resources. During the first two years, Paulownia must be irrigated with at least 15L per week of supplemental water, since she has not yet established sufficient rooting.

Economic Value - Furthermore, the cultivation of Paulownia has significant economic value. It is used for both the production of high-quality lumber and biomass, or energy crops. Its wood has minimal quantities of ash, sulfur, and nitrogen, and a high calorific value. It is also grown as a decorative tree, and because of its resilience to urban air pollution, it is suggested for planting in parks, squares, and other public spaces.

History of Paulownia

The history of the paulownia tree began in Japan, where it is known as Kiri. Although many of us have heard of Kiri, not everyone is aware that it relates to the paulownia. Paulownia has been regarded as a holy tree and a symbol of good fortune since 2600 B.C. Consequently, Asian nations developed the custom of planting this magnificent Paulownia tree upon the birth of a girl. On the day of the daughter's wedding, the tree's trunk was chopped down, and a wooden box was crafted from it.

Moving forward, Paulownia was imported to Europe in the 1800s and utilised mostly as an aesthetic plant, it is now increasingly employed for the production of lumber due to its quick growth and the distinctive properties of the wood product, which are light and durable and applicable in a variety of production fields.

NFT T-SHIRTS

ComBEANation is a phygital initiative, being a combination of physical and digital products that allow our users to have a whole new sort of customer experience. Our T-shirts are inspired by the design of NFTs.

Furthermore, the T-shirts are critical to the project's development, as they are the original component of the second mint. There are two core strategies for the creation of the t-shirts:

1. Users may retain the flower design exclusively for themselves while printing T-shirts for themselves and their friends at the business owner's expense.
2. Alternatively, it might make the flower NFT public, and anybody who visits the project's e-commerce site may purchase the t-shirt, with a commission going to the owner of the flower NFT.

Quality - Assuring the best quality, the t-shirts are manufactured in Italy, and the supplier was chosen because of his extensive expertise and high quality.

Sustainability - Furthermore, in line with our sustainable credentials, the T-shirts will be created from environmentally friendly materials such as recycled cotton or alternative plant fibres such as

hemp, bamboo, birch, and so forth. It will be the duty of one of the team members to choose the fabric that will be used for this particular project.

ESTABLISHING OPERATIONAL PARTNERSHIPS

In all of our initiatives, GRAFFITI will collaborate with a plethora of external partners who are reputable and have been verified, and chosen for:

- Planting the plants and their upcoming care over time;

- The production of exclusive t-shirts that will be produced in Italy, using verified sustainable fabrics;

- The supply of products for sale on e-commerce, in order to possess the best sustainability certifications and credentials.

Aiming to enhance awareness and greater coverage of our initiatives, all activities will be recorded and posted online.

COPYRIGHT POLICY

The owner of the NFT bean has full legal rights to use this picture in the financial and digital worlds. If someone wants the NFT certificate of authenticity, he must go via the project website so that the whole community may benefit. However, the copyright of the name and the concept, in general, are reserved for the Graffiti Agency and the ComBEANation community.

UNCOVERING THE STORY OF COMBEANATION

History does not always unfold in the manner in which we anticipate it. Can you imagine living on a planet filled with sentient beans that must work together to develop, form their own country, and safeguard the Earth? That is precisely what happened...

Everything began on August 14, 1396. That night, a cluster of tiny meteorites struck the vegetable garden of a medieval monastery in northern Italy. In the days that followed, the beans grew significantly faster! What is the outcome of their interaction with the extraterrestrial substance? Curiosity-driven, the monks chose to investigate the genetic history of the beans. As the ages passed, the knowledge on the bean mutations was passed down from generation to generation.

Then 2052 came... The now-abandoned, ancient monastery is sold. The new owners want to transform the property into a luxury resort. The beans remain in their clay containers. As soon as the demolition process starts, they are dumped in a landfill as rubbish. However, in this location, the beans develop at an accelerated rate due to their exposure to hazardous chemicals prevalent in the waste. No one anticipated the impacts of climate change, thus, the development of the monastery was also halted. The increase in temperature caused by pollution forces mankind to evacuate, first underground and later, after hundreds of years, to more habitable planets, while the Earth's surface remains unsuitable for man.

Leaping in in time – 2696. Life on Earth continues as humans inhabit new extraterrestrial colonies. As urban areas recede, plains spread. Due to global warming and frequent, violent storms, practically all of the world's trees have vanished. Today, just a few species remain on the globe, and beans are the dominating species. They mutated and evolved further due to the drastic changes in the atmosphere. They now reside in a community of 3,939 beans, and they want to enlarge the bean country, safeguard the world, and replant trees. They need your assistance to accomplish their objective. Join the Beans' Nation and continue the historic experiments conducted by medieval monks. By crossing the beans, you can create ever-evolving combinations.

STRENGTHS OF COMBEANATION

Our NFT project encompasses several unique technological aspects:

ONE REAL TREE FOR EVERY NFT MINTED

Each minting of an NFT of any season or special series tied to the ComBEANation project will be accompanied by planting a Pauwlonia tree, which will begin absorbing CO2 from the atmosphere on the very first day. Already, this is a significant value, since the ownership of a ConBEANation NFT contributes to the removal of co2 from the atmosphere.

Reaching our lofty objective of 15,000 plants will result in the annual removal of 1,500 tons of CO2 from the environment. Each plant will have its own web card that is continually updated with new information and images. Each plant will be georeferenced, so you will know its specific location, and it will be accessible to the public. The quantity of CO2 absorbed by a single plant will be determined by a custom-built algorithm.

TOKEN UTILITY $LINFA

The ComBEANation project will have the currency of its ecosystem, which is called $LINFA, and in Italian, the word **linfa** means lymph. This token is the lifeblood of our project that makes it grow and produces value for all members of the community.

$LINFA is, in fact, directly connected to the algorithm that estimates the absorption of the Paulownia plant connected to the NFT of ComBEANation. Each NFT ComBEANation will accrue $LINFA token in proportion to the co2 absorption of the tree associated with the NFT, throughout the life cycle of the Paulownia plant.

In addition, it is possible to accumulate $LINFA only if you stake your ComBEANation NFTs. Since the first day of Staking, the NFT has started producing $LINFA tokens. Staking an NFT means taking it out of the secondary market, and this means that NFTs on the market will become even more rare and expensive for the benefit of the owners of ComBEANation NFTs.

INTRODUCING THE EREDITARY ALGORITHM

Converging NFT innovation and creativity, a unique aspect of this project is constituted by creating an evolved generative and hereditary algorithm that generates new NFT pictures, characterised by the qualities of the NFT forefathers.

The FLOWER collection will be the first to use the algorithm for inheritance created by our technical team. When a FLOWER is minted, it will acquire unusual traits from its parent Bean.

In addition, the more beans you have in your wallet, the more probable it is that you will mint a FLOWER with qualities inherited from your beans.

Hence, ComBEANation introduces a breakthrough concept that promotes continuity among our NFTs, with NFTs providing an artistic consistency among our various generations of NFTs.

USING NEW MINTS TO BURN A FATHER NFT

ComBEANation NFT owners will benefit from a rise in value when the scarcity of their tokens is increased. At the very least, one of the Father NFTs is burnt whenever a new season of the NFT is created.

If you have more than one in your wallet, just one of them will be burnt, and you will be able to use the remainder of the NFTs to mint further BEANs, which may then be used to burn an additional NFT father.

BUILDING AN E-COMMERCE ECOSYSTEM

Overalll, the ComBEANation e-commerce ecosystem is intended to benefit ComBEANation NFT holders. Only individuals who own $LINFA Token are permitted to buy services and goods. However, there is also a public e-commerce site for merchandise where fans of the project may make purchases using standard payment methods.

Moreover, the e-commerce items will be carefully chosen, and their sustainability and origin from firms with sustainability as one of their core principles will be confirmed. There will be a focus on compensating for the co2 emissions caused by maritime operations.

IRL – REAL-WORLD EVOLUTION OF COMBEANATION

Owing to ComBEANation's special T-shirts, the benefits of NFT technology, such as authenticity and membership verification, are also brought into the real world.

Moving forward, these t-shirts will have a one-of-a-kind design that depicts a Flower NFT emblazoned on the front. The owners of that NFT are the only ones who are allowed to print them, and they are also the only ones who hold the certification (also in the form of an NFT) that verifies the authenticity of the t-shirts.

As such, the project encapsulates an IRL activity, which means it takes place in the actual world ("In Real Life"), since only individuals who possess a Bean NFT may create a new Flower NFT, which is a requirement for the project, that may be printed on a t-shirt.

Overall, these t-shirts serve as a unitary emblem of ComBEANation, fostering a sense of belonging and inclusivity to a community devoted to leveraging innovation to build a better world.

Moreover, the t-shirts with these new "floral" NFT graphics will be created in Italy and sold on the project's e-commerce site. Each shirt will be one-of-a-kind, valuable, and verified.

When it comes to keeping the NFT for oneself or making it public and accessible for purchase on the specialised e-store, the owner will decide. The owner of the NFT FLOWER may choose to make certified t-shirts with the illustration/art of his NFT. Production may be:

- *Private* - This feature enables the owner, within the e-commerce ecosystem, to print a unique t-shirt due to the printing of his NFT FLOWER. The owner may also extend an invitation to other parties to buy the t-shirt. Likewise, the owner pays for the purchase using $ LINFA. However, the creation of T-shirts will not be free, but economic integration is required, probably both in fiat and crypto. Also, the price will be set and unrelated to the rarity of the NFT.
- *Public* - Alternatively, the owner may choose to make its NFT accessible for purchase through e-commerce to the general public, on a dedicated public merchandising Ecommerce. The NFT can never again become a private entity. However, the owner will earn a percentage of the T-sales shirt's value ranging from 10 to 20 %, depending on the number of T-shirts sold. This indicates that the ownership of a FLOWER might be a fantastic source of revenue for those with a large number of devoted social followers.

TOKENOMICS AND ECOSYSTEM

$LINFA token will represent a paramount unit for our ComBEANation ecosystem. Overall, $LINFA will facilitate a plethora of activities:

Tokens may be used to acquire a variety of e-commerce advantages from ComBEANation. based on the logic of point accumulation. Within the e-commerce platform, the user's $LINFA credit will be shown together with the price of the items or services in $LINFA.

Overall, the most impressive benefit of $LINFA is its mechanism of redemption of codes to obtain free but above all paid shipping charges (CARBON NEUTRAL) from e-commerce project partners. In addition, $LINFA owners will be able to:

- Mint at a discounted or free price (depending on the $LINFA held) of the subsequent seasons and editions of the ComBEANation NFTs
- Purchase the name to give to your Bean / Flower
- Purchase the plate with the name of the bean to be placed on the plant
- Purchase the tour of the places around the "plantations"
- Purchase of Whitelisted seats for the mint of third party NFT projects and collaborations.
- Purchase the animated version of your BEAN (special edition NFTs)
- Purchase of "special for BEAN owner" Merchandise
- Purchase of invitations for the purchase of FLOWER T-shirts in a private version for friends who are not FLOWER owners
- Purchase green and sustainable products
- Redemption of like "Amazon vouchers" and other similar big e-commerce platforms
- And more…

Total Supply: 1,000,000,000

Each NFT matures approximately 3 $LINFA each day - a value corresponding to about 0.3kg of CO2 absorbed by the Paulownia plant every day, or 1 $LINFA every 0,1Kg CO2.

Furthermore, we will introduce staking for our NFTs and for our $LINFA token, which you will earn by holding NFTs in Staking

Staking is one of the outstanding enhancements that we have implemented to demonstrate our gratitude for the members of the community who support ComBEANation and who have made long-term investments in the initiative's long-term development.

Collecting and staking NFTs gives collectors additional means of monetising their NFT collections. It has arisen as a new means of generating a passive income in the bitcoin market, and it is expected to grow in popularity. NFT stakers commit their holdings to our platform to receive rewards without selling or otherwise losing custody of their collection.

NFT owners of the ComBEANation project will also be able to earn $ LINFA by actively participating in the life and growth of the community.

ROADMAP

1. THE BIG BANG OF THE COMBEANATION (Q2 2022)

In the incipient phase, we will constantly work to define the project details:

- We will enhance the website.
- We will construct and populate the social media profiles with high-quality material, and the first wave of sneak peeks.
- We will construct the CBN community and whitelist.
- The art collection will be finished in its entirety.
- The developers will work on the specific algorithm for inherited genes and the smart contract.
- To grow the initiative and boost awareness of ComBEANation, we will collaborate with relevant and influential NFT influencers.

2. GENESIS – THE FIRST MINT OF THE COMBEANATION (Q3 2022)

In the second phase, we will commence rewarding the ComBEANation community:

- We will produce 3939 Beautiful Parent Beans. In addition, the WhiteList members and CBN Team will mint hours before the worldwide rollout).
- Those who hold and do not offer for sale an NFT for at least one week will be entered into a drawing for three legendary monk beans.
- We will produce very uncommon beans inspired by music personalities. Many of these beans will be distributed as community incentives (the number of beans is TBD, stay tuned).
- We will also mint ultra-rare Beans inspired by notable historical figures. The quantity of beans is TBA.
- We will plan and begin planting Paulownia trees with times compatible with the seasonality of planting. We will plant one Paulownia tree for each minted NFT.

3. COLOURING THE REAL WORLD WITH OUR BEANS' FLOWERS (Q3 2022)

In the third phase, we will also expand the project in the real world.

- Using a specific hereditary algorithm, we will mint new and improved Flowers from Beans (the number is TBD).
- To mint a blossom, you must be a Bean owner. Each owner with at least one Bean in their wallet may claim one kid flower at a time. Each bloom acquires characteristics from its parent beans. The more Beans you own, the higher the likelihood that one of your blooms has uncommon characteristics.
- After you have minted your NFT flower, you will be able to transform it into a one-of-a-kind IRL T-shirt that will be mailed to your house via our online shop.

- Alternately, you may offer your NFT flower for sale on the official e-store, enabling your friends, community members, and even the entire public to buy it.
- If you generate a sale, you will get a commission.
- If the NFT flower is very rare, the price of the T-shirt will be more than normal.
- Our t-shirts are created exclusively in Italy using eco-friendly textiles such as nettle, hemp, and similar materials.

4. EXPANDING THE NATION IN THE WEB3 REALM (Q3 2022)

During the fourth phase, it will be time to expand definitively on the web 3.

- To establish our presence in the Metaverse, we will purchase property in some other world. The community is in dire need of a place to call home. We will put up events and provide exciting gaming experiences to solidify our community.

5. EVOLVING ROADMAP

The following roadmap milestones will be determined in collaboration with the community in the upcoming months.

NFT Launch: To Be Determined

FUTURE DEVELOPMENTS

DAO

In a subsequent phase, the community will determine where and with which partner to plant new trees, thanks to creating a specialised DAO (Decentralized Autonomous Organization).

Therefore, a core team of community members creates the rules of the DAO with the use of smart contracts, which are then implemented by the rest of the community. These smart contracts establish the groundwork for the DAO's operations, providing the architecture upon which the DAO will be built. Every phase of the protocol is clearly transparent, verifiable, and publicly auditable, allowing any prospective member to comprehend how it will operate at every stage completely.

In the sustainable sector, where a more considerable emphasis is put on community decision-making rather than on the conventional hierarchical structures of most enterprises, DAOs' inherent identity as open, decentralised, community-based organisations renders them an excellent fit.

By providing a vote for every community member in how they run, DAOs democratise organisational decision-making to the degree that publicly traded businesses such as Amazon and Google simply cannot equal. A vote approves any changes to the code or the addition of new features, and the DAO is updated in real-time to reflect the results. Essentially, this allows code to execute routine tasks such as recruitment and firing, which are required by centralised organisations but may be performed by code.

Having formally put down these rules in a digital format on the blockchain, the next stage is determining the optimal way for the DAO to accept financing and exercise governance.

SECONDARY MARKET FEES

The secondary fees are set at 6%. Of this fee, 60% will be dedicated to the community. Our community/DAO will determine how to divide the secondary market fees produced by trading NFTs over time, deciding which start-ups or green initiatives to fund. Therefore, ComBEANation serves as the bridge between these two worlds: philanthropic NFT initiatives and the expanding number of sustainable initiatives in need of funds.

METAVERSE

In the more mature phases of our initiative, ComBEANation aims to establish itself in the Metaverse. Overall, the Metaverse and Web3 are still uncharted frontiers, yet multiple enterprises are adopting this technology on a regular basis.

According to Bloomberg, the Metaverse will acquire $800 billion in market share by 2024 as it erupts at the nexus of eCommerce, social commerce, gaming, web 3.0, the creator economy, and new digital

communities. Despite the geographical distance, the Metaverse enables global citizens to not only communicate but also engage online.

Hence, the Metaverse facilitates communication within the ComBEANation community, enabling online team gatherings, full-fledged corporate festivities, and casual connection and enjoyment. Users have an immersive interactive experience due to 3D virtual worlds, avatars, and the opportunity to "travel" and "meet" others.

WHY IS COMBEANATION DIFFERENT FROM OTHER PROJECTS?

ComBEANation emerges as a breakthrough initiative, with an extensive experience in the digital marketing realm.

- Owing to the seriousness and historical significance of the team working on the project. Graffiti.Agency has been active in the digital market since 1996.
- One NFT One Real Tree. The tree is numbered and georeferenced, as well as constantly and directly cared for and measured.
- For the first time, a Token is directly linked to the co2 absorption of the plant connected to the NFT. The more co2 it absorbs, the more the NFT produces tokens.
- ComBEANation is a project that is built on gene algorithms.
- Phygital project that also allows for the production of one-of-a-kind physical T-shirts (approved by NFT), and the quality of the T-shirts is assured by another successful project of Graffiti.Agency called T-Shirt.
- If you make your NFT FLOWER public on e-commerce merchandising. The owner of the NFT earns a commission from the sale of the T-shirt.
- We place a high value on tokenomics and work hard to ensure that the whole community benefits from our efforts
- Staking the NFT and burning an NFT BEAN to generate a FLOWER NFT generates rarity and therefore increases the value of the NFT BEANs
- And, last but not least, because our beans are just stunning! The art is quite expressive, and it will allow our users to explore their inner artistic spirit!

TEAM

Members of the fraternity are affiliated with the Graffiti monastery, which is situated in a historic Italian locality. Years of preparation have resulted in their selection as the intelligent beans, who will be tasked with protecting the Earth's new golden era.

MEET THE BROTHERHOOD

- **Luca** – Founder. Digital Entrepreneur since 1995. Founder Graffiti.Agency. Co-founder Bantoa. Web 3 addicted. Street photography & NFT lover. Co-author of the book "Click Economy".
- **Alessandro** – Project Manager. 13 years of experience in communication agency. Basket lover, travel planner and beer enthusiast.
- **Nic** – Artist. Video director with a wild passion for mountain and climbing. Distinguishing marks: talkative attitude and encyclopedic knowledge.
- **Sveva** – Artist. Graphic designer and illustrator. Movies and TV series addicted. Plants lover. Overthinker: pro level. Dangerously in the balance between yoga and rock music.
- **Luca** – Developer. Videogame addicted and calisthenics lover.
- **Michele** – Developer. 5 years of experience in web development. Web Security is my mission. Amateur photographer and mountain lover.
- **Gianfranco** – Developer.
- **Francesco** – Discord Admin.
- **Gianluca** – Discord Admin.
- **Irene** – Discord Admin and Social Media Manager.
- **Raffa** – UX/UI Designer. Graphic and web designer. Music is my drug: a life without music is a pizza without mozzarella cheese. Planet and bike lover: rider and collector @plasticfreeride
- **Sara** – Social Media Manager. Walk Wild Web. Digital marketing strategist and dark chocolate addicted. Cyclist: rider and collector @plasticfreeride
- **Ludovico** – Social Media Manager. I like to write, but most of all I like to read good books. Sea lover and bracelets collector.
- **Matteo** – Social Media Manager. As an editor, typo is my nightmare. Film lover. I prefer Iceland to the Caribbean.

Here the link to their social profiles: https://www.combeanation.io/#brotherhood

GRAFFITI

For more than two decades, we at GRAFFITI have been fusing digital culture with innovative thinking since 1996. Because of major changes in the atmosphere, we were compelled to leave Earth and relocate our headquarters to a nearby tiny planet.

From here, we proceeded with our multi-platform trials, which included advertising, the web, television, social media, and marketing campaigns. Our vegetable patch has also been cleared in preparation for planting – can you guess what it is? Beans that are brand new.

OUR VISION

Our company believes that thinking outside the box is not enough and that thinking outside the screen is also necessary! As a result, our initiatives go out from the computer screen or magazine pages and become a permanent fixture in the lives of their audiences.

The reason for this is that we have learnt to see beyond the pixels, zooming in or out just enough to achieve the proper perspective. Just by changing your viewpoint, the solution will be there in front of you: sometimes it will be completely unexpected, but other times it will be right in front of you since you just required a different point of view in the first place.

OUR CUSTOMERS

Starting from the very beginning of any project, we include our clients as members of our work team. This enables us to share the vision, objectives, and values that distinguish your company and utilise this as a starting point for developing the most successful positioning strategy. When we do this, we treat the brand as if it were a separate entity with its own identity and personality.

GRAFFITI AGENCY

When it comes to giving your brand a voice, we follow a three-step process:

- The first step is brand strategy, in which we define your positioning;
- the second step is brand identity, in which we create a visual synthesis of your style, beginning with your logo;
- Finally, the third step is branding experience, which expresses the brand across all of its touchpoints.

GRAFFITI DIGITAL

Creating digital products is first and foremost a process of relationship design: we begin with creating objectives and key performance indicators (KPIs), then select the most relevant channels and finally assess the effectiveness of all endeavours. As a Google Partner, the technological enterprise has recognised the unquestionable expertise of GRAFFITI since 2013.

GRAFFITI LAB

GRAFFITI, the team behind ComBEANation, has been researching the opportunities related to the blockchain NFT for quite some time. The agency has now decided to dedicate a staff specifically to the Web3 project, in light of the market's recent acceleration: GraffitiLab is comprised of blockchain application developers, experts in non-traditional marketing and storytelling, creatives, discord specialists, and growth hackers who are dedicated to the development and growth of the communities associated with these new projects. GraffitiLab is based in San Francisco, California.

GRAFFITI launches the NFT collection as a way to announce the birth of GraffitiLab and to commemorate the occasion. The objective is to build a community of people who are willing to contribute to preserving the environment via gamification and evolving collections of NFT images. As a result, the project's roadmap calls for a series of specific initiatives to support the ecosystem. The first of these initiatives begin with planting trees using funds raised via the sale of NFTs.

As a result, GRAFFITI now puts the GraffitiLab's expertise at the disposal of its clients for any and all needs and consultations in the Web3 and NFT-based business environments.

Uncovering the potential of Web 3.0

- *Open* – It is open because it was produced using open-source software by a public and accessible community of developers in full sight of the broader public.
- *Trustless* - The network allows users to communicate freely and privately without the necessity for an intermediary who may expose them to risks; thus, the phrase "trustless" data.
- *Permissionless* - Anyone, including users and service providers, may engage without approval from a governing authority.
- *Accessible* - Web 3.0 will enhance the accessibility of the Internet from any location and at any time for everyone. Eventually, Internet-connected devices will not be limited to PCs and cellphones, as they are in Web 2.0.

Moving forward, the clients of GRAFFITI will have the chance to enter the realm of NFTs.

QUICK INFO / OVERVIEW

Mint price: 0,069 ETH

Supply First Genesis: 3939

Secondary royalty: 6%

Mint date: TBA

Team wallet: GraffitiLab.ETH

OUR DIGITAL CHANNELS

WEBSITE

https://www.combeanation.io/

TWITTER

https://twitter.com/comBEANationNFT

DISCORD

https://discord.com/invite/4TzSKzdnQh

INSTAGRAM

https://www.instagram.com/combeanationnft/

GENESIS COLLECTION

https://opensea.io/collection/combeanation

GRAFFITI

https://www.graffiti.it/en/