



# TeroCoin

**OWNER'S MANUAL**  
GREEN PAPER



# TeroCoin

World's First Organic, Oxygen Producing,  
Fully Value-Backed and Next Generation  
Cryptocurrency.

**Tero Reserve Foundation**

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# Abstract

**Now more than ever, the world needs humanity to connect in order to create, to heal, to grow, and to live in harmony. The english word “earth” translates in the Esperanto language to **Tero**.**

Through thousands of years and civilizations, land ownership has served as a symbol of wealth, and perhaps even more than a symbol, it has in many cultures and throughout time effectively been considered to be wealth itself. Due however to its immobile nature, its indivisibility into very small units, as well as to the complexity of transferring property ownership in a legally recognized manner, land has not been utilized as actual currency, at least in modern times... Until now.

And so, **TeroCoin** is born.



***Buy land, they are  
not making it anymore.***

**- Mark Twain.**



Based on blockchain related technology, Terocoin breaks the paradigms extant in the crypto eco-system by issuing a fully asset-backed, earth friendly and inherently environmentally protecting currency in crypto-token format. It tokenizes one of this planet's most valuable resources – the land itself, always unoccupied and undeveloped or reforested land, held in trust to preserve and protect its future for the benefit of all inhabitants of planet earth, with the intent to eventually form part of the largest privately held natural, oxygen-producing nature reserve, **FOREVER**. The land that backs Terocoin not only has actual commercial value in the real world, but also additional value on a planetary scale due to its ability to sequester carbon and to generate important quantities of oxygen, which is recognized globally in the Carbon Neutral credit marketplaces.







TeroCoin will utilize the measurement of square meters as a fraction representative of the value of each token created. That is to say that there will be as many TeroCoins as square meters that have been acquired and preserved by the Tero Reserve Foundation. It begins with several large tracts of land located in a country internationally recognized as an ecological paradise: Costa Rica. The property will be tokenized in square meters creating the first TeroCoins. As with Bitcoin there are a limited number of coins that can exist, however, as with classical economies, the currencies have actual physical backing.



***Tero Reserve Foundation***  
will create Balance between  
technology and mother earth.



## 1

# Introduction and Problem Statement

When one speaks with people that have not adopted or utilized them, perhaps the most frequent questions that one hears regarding cryptocurrencies from these non-users of the technology is: “What is it? Where is the money? What does it represent?” Of course serious industry participants understand that these questions do have answers, even if somewhat ephemeral, that give important monetary characteristics to the cryptocurrencies in current popular use.

Bitcoin, as the first and most popular, though certainly not the most advanced implementation of the technology, offers a limited total number of coins, and thus scarcity. Because the currency is digital in nature and is transferred relatively inexpensively across the network on a user to user basis, its levels of transferability, portability, divisibility, and fungibility are very high which, again, are features that are integral to the technology itself. Coins are “mined” by using a tremendously large amount of computing power (and thus, electricity) to solve complex mathematical puzzles which, in conjunction with the limitations built into the software protocol itself, controls the rate of issuance of the tokens, ensuring that they are distributed at a more or less uniform rate over time among the market participants, according to their level of participation in the network.

Bitcoin is thus in a sense “backed” by the amount of computational work and electricity that has gone into mining it. This is not necessarily, however, easily understandable by someone who is not very technologically minded and savvy regarding the characteristics that make something meet the description of “money.” Rather, to many of these individuals, the amount of energetic resources that go into the mining of bitcoin and the operation of the network would be considered a waste.

Even so, the benefits of cryptocurrencies such as Bitcoin, among many other popular tokens, cannot be denied, and those that understand and believe in the technology consider it to be worth the cost. The technology enables people to engage in commerce by paying each other directly with no intermediary extracting arbitrary fees or placing restrictions on who or what can be exchanged with, in what amounts, or for what purposes. In effect it returns monetary and transactional power back into the hands of the individual market participants.





Yet, there is a superior implementation of the technology that realizes all of the very same beneficial qualities, while at the same time providing backing in addition to the technology itself, and being able to be understood by the non-technologically focused potential user.

Terocoin (TERO) is a digital currency which ties token-value to a real asset with recognized intrinsic value thus resolving the principal barrier to entry that many people face when first hearing about cryptocurrencies and crypto-digital commerce. Furthermore it does so in a way that is intrinsically sustainable, earth friendly, and resource conserving, in contrast to the consumptive infrastructure utilized by the currently popular mined, un-backed, proof-of-work based tokens. By making these modifications to the currency structure, it is possible to create a coin with a very low adoption-entry barrier, and at the same time to address the popular concerns of preventing climate change, sustainable use of natural resources, conservation, protecting endangered species of plants and animals, etc.

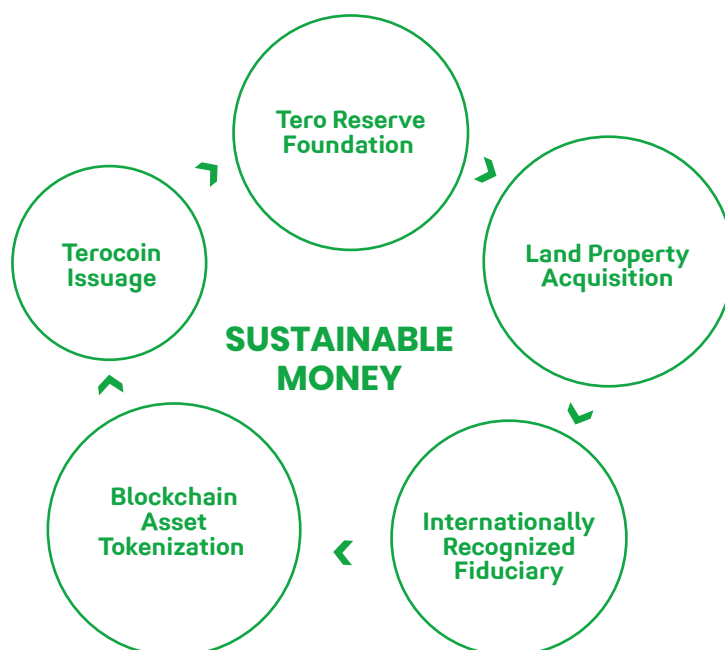




## 2 Backing

One hundred percent of Terocoins must be backed at all times by land held in custody by the Tero Reserve Foundation at a rate of one token being equivalent to one square meter of land held. At all times, the total number of Terocoins in circulation will be publicly accessible on Terocoin.org, and the holdings of Tero Reserve Foundation are 100% auditable and publicly disclosed so that Terocoin's users and other interested blockchain ledger parties can compare the total number of issued coins vs. the total square meters of land held, which will always be on a 1:1 basis.

Land held by Tero Reserve Foundation is always uninhabited by humans in order to preserve the land's natural habitats of plant and animal life. Properties acquired are comprised of either virgin, undeveloped land, reforested land, or land currently undergoing the reforestation process. Thus the land held always contains oxygen-producing vegetation that reverses the effects of greenhouse gases on planet earth, making Terocoin the only environmentally friendly currency in existence today. Terocoin by its very existence recognizes the value of undeveloped oxygen-producing land and its benefits to the planet and for all of the species that inhabit the planet by monetizing these lands as very real and important resources. Each square meter of land is protected forever as long as its corresponding Terocoin is in existence.

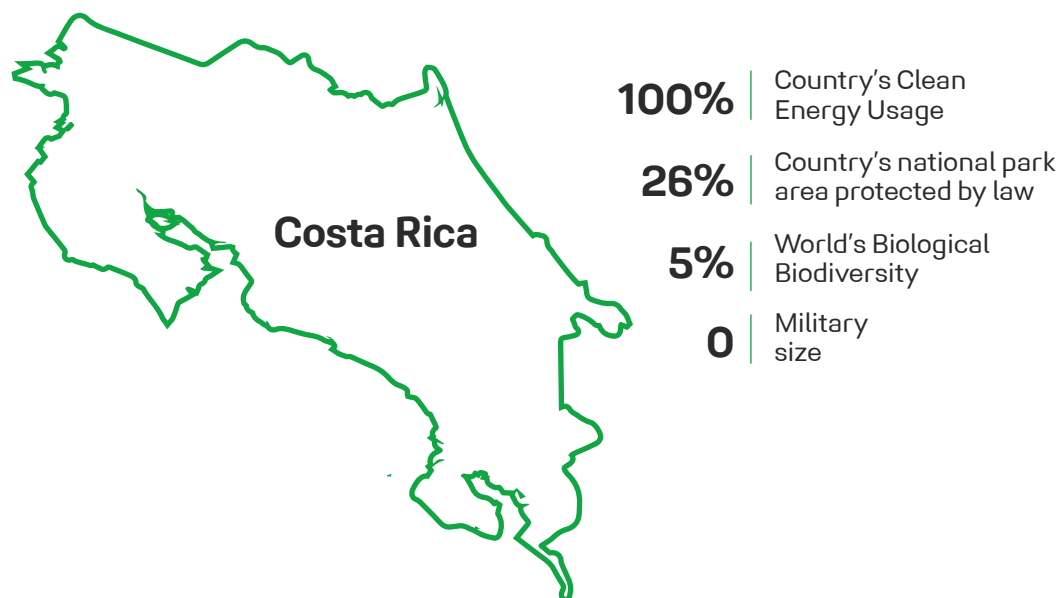




## 2.1 Costa Rica

While according to Terocoin's operational terms, land may be acquired in any country as long as it meets the above description, the first coins issued will be backed by land in Costa Rica.

Costa Rica has been chosen for various reasons: First and foremost, the country has a long history of stable democracy and property rights are well-recognized. Both nationals and foreigners may own property there without restriction. Additionally, the Costa Rican people and government are both very proud of their country's natural resources and consider their country to be in many ways a natural reserve to be enjoyed by the people of the world. The country has a very strong eco-tourism industry with people visiting every year from all over the world to enjoy Costa Rica's natural beauty. Upwards of 25% of the country's land mass is already reserved in the form of national parks, which demonstrates Costa Rica's commitment to the conservation and preservation of nature. The most important fact is that Costa Rica is a member of the exclusive club of countries that runs on clean energy, with most of their electricity being generated by hydroelectric, geothermal, Eolic and solar technology.





## 3 Governance

While Tero is structured officially as a not-for-profit foundation and thus subject to the formal governance of the operating board of directors, the founders of the project envision a democratic form of coin governance by the users thereof. As such, important issues exceeding general day-to-day operations (example: In what country should the next batch of reserve lands be purchased?) will be voted upon directly by the users of the token. One token will be equal to one vote and decisions will be made according to the majority of the votes being cast. All voting will be blockchain based so there will be no possible manipulation regarding voted results.

(See Figure No 1)

## 4 Technical Implementation

Terocoin is as an ERC23 token on the Ethereum blockchain. ERC23 defines a set of required standard rules in order to interact on the Ethereum network. Terocoins are blockchain assets that have value and can be sent and received, like Bitcoin, Litecoin, Ethereum, or any other crypto currency.

The difference between Terocoin tokens and a standalone currency like Bitcoin is that ERC23 tokens leverage on the Ethereum network, hosted by Ethereum addresses and sent by Ethereum transactions.

All of the technical specifications for ERC23 tokens have been well developed in other material and as such we will not re-hash the same information here, because the ledger system for the token, while of course being important and even essential to its successful function, is not the key item that makes Terocoin differ from other cryptocurrencies available in the marketplace. Its difference and attraction lie in its backing and governance mechanisms.



## 6

## 12-year Token Issuance and Land Conservation Plan

Tero Reserve Foundation projects the issuance of a total of 51 billion tokens over the course of a 12 year period. Of course, in order to do so, in accord with its operating conditions, it will be necessary for the Foundation to obtain a total of 5,100,000 hectares (equivalent to 51 billion square meters) of oxygen- generating forest land – equivalent in size to the total land mass of Costa Rica. (See Figure No 2)

Following completion of its 12-year plan, and in accordance with its governance model, Tero Reserve Foundation will put to vote among token holders the decision as to whether or not more conservation land should be acquired and thus more tokens issued, or if at that point additional token issuance should cease and instead resources be directed towards management and maintenance of the existing lands already acquired. (See Figure No 3)

## 7

## Legal Structure

Terocoin as well as the reserve lands acquired as backing there-fore, are administered by Tero Reserve Foundation, an entity legally registered in Costa Rica. According to Costa Rican law, a Foundation can only be established for reasons of public or social interest, not for private business or profit interests. Additionally, all Foundations must, as a matter of law, liason with an officer from the local municipality as well as with an agent from the country's Ministry of Justice. As an entity with this legal classification, in addition to having a degree of direct government oversight, Tero Reserve Foundation must be able to demonstrate at all times that 100% of the funds acquired by it are dedicated towards the specific purposes for which the Foundation has been established – that being the conservation and preservation of forest land.





Figure No 1

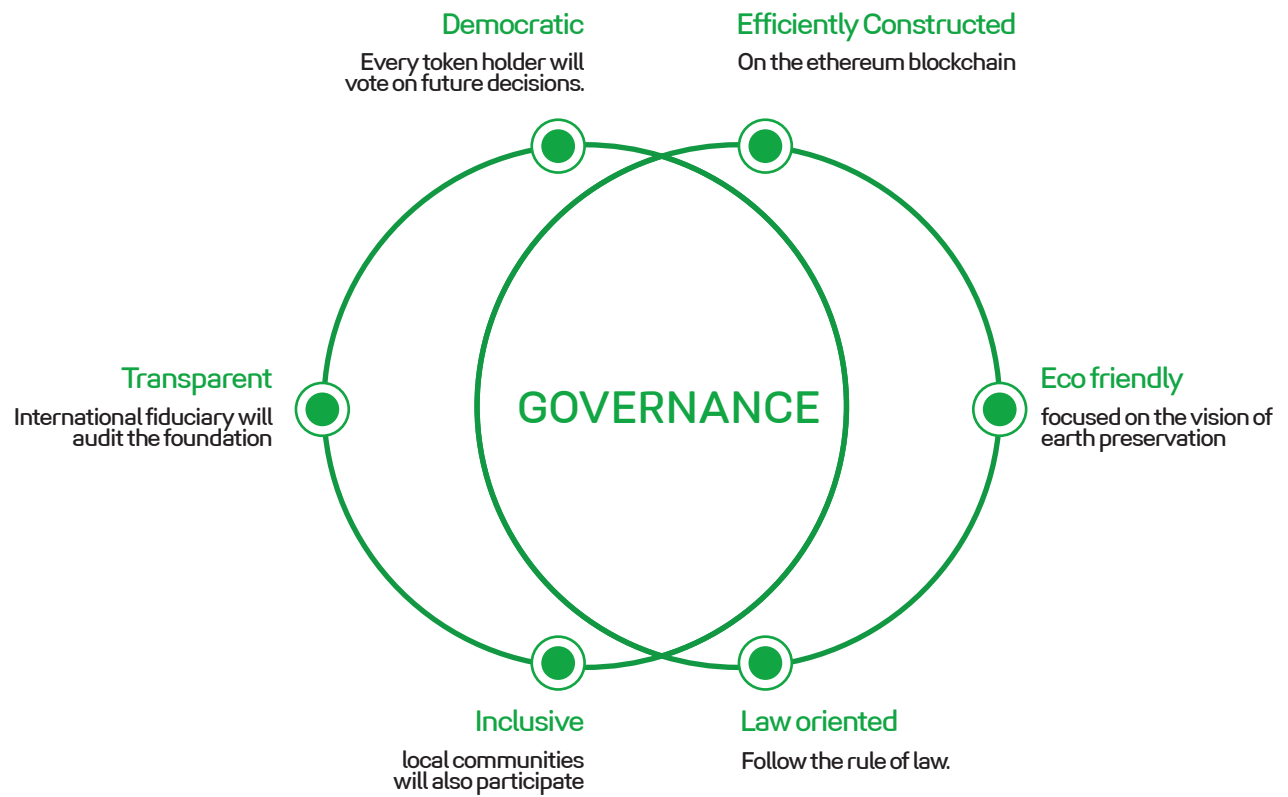




Figure No 2












Year	Hectares				
2022	2.490	=	3.487	Soccer Fields	
2023	4.980	=	6.974	Soccer Field	
2024	9.961	=	13.948	Soccer Field	
2025	19.922	=	27.896	Soccer Field	
2026	39.844	=	55.792	Soccer Field	
2027	79 688	=	1x	Singapore	
2028	159.375	=	1x	Aland Island	
2029	318.750	=	1.15x	Hong Kong	
2030	637.500	=	1.05 x	Palestine	
2031	1.275.000	=	1.05 x	Vanuatu	
2032	2.550.000	=	1.20 x	Israel	
2033	5.100.000	=	1x	Costa Rica	



Figure No 3

## Token Allocation



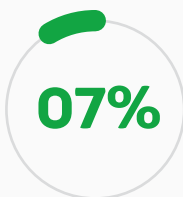
### Land acquisition

Proceeds from the majority of terocoins sold will be re-invested in the acquisition of additional conservation land by Tero Reserve Foundation, up until the point that the full 5,100,000 hectares have been obtained for the projected issuance of 51 billion terocoins.



### Scholarships and Research Grants

Part and parcel with technological innovation is the ability to pursue promising potential areas of research and study that often lead to the discovery of said technology or of the mechanisms to implement the technology. In order to be true to the Terocoin vision of ongoing sustainable technological development, a percentage of all token sale proceeds will be dedicated to scholarships and research grants for promising areas of study that might otherwise lack the necessary backing to pursue.



### Advisors and Strategic Partners

Launching a project on such a grandiose scale as Terocoin requires a great amount of cooperation with and assistance from influencers, experts, and authorities in many fields from crypto and fintech to conservation and natural resource management, to legal professionals, and many others. A percentage of all tokens issued will go towards compensating these giants in their respective fields and ensuring that they remain actively involved in providing continued guidance and assistance to maintain the success of the project.



### Land & Foundation Management

Proper management of the conservation land as well as administration of the Foundation itself cost money. As a result a percentage of the proceeds from sold tokens must be earmarked to cover these costs.



Figure No 3

## Token Allocation



### Founders and Main Contributors

Five percent of all tokens issued will go to the founders and principal contributors to the project as compensation for development of the Terocoin framework and methodologies, for arranging the agreements necessary to make the project happen, and to cover the vast amount of time and money invested into the project in order to bring it to its successful implementation.



# Conclusion

The cryptocurrency revolution is in full force and the solutions offered by blockchain and related technologies are already changing not only the way that humanity looks at money, but the way that people interact with each other on a global scale.

However, even while recognizing the benefits of the technology and the number of problems that it can solve, the people of the world are concerned about the environmental costs of implementing these technologies, especially as this incipient market starts to mature and experiences as a result a wider usage.

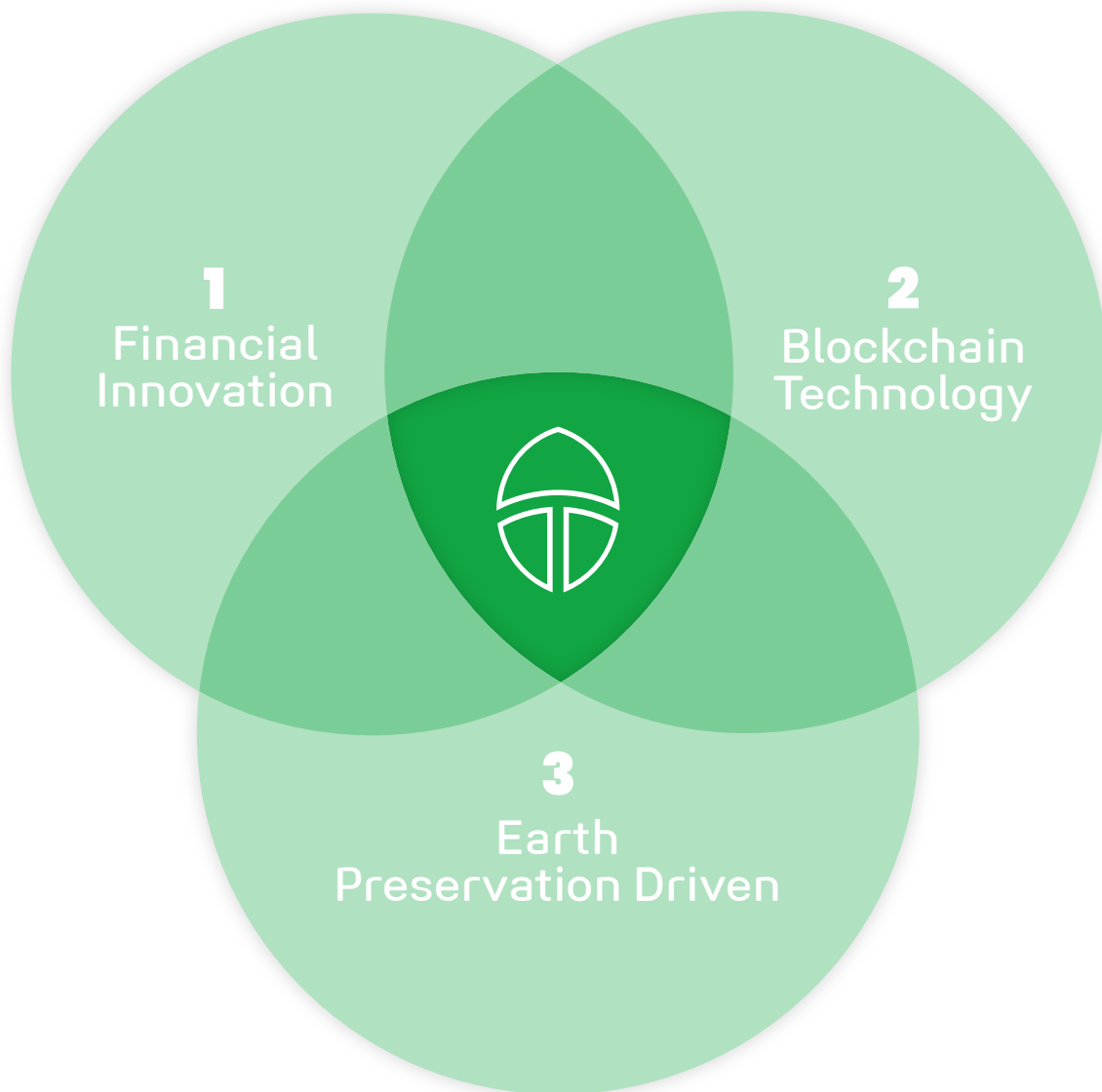
Terocoin is an innovator in the space, bringing the world real and relevant solutions by effectually monetizing the environmental resources that are of a universal value to the planet as well as to the plants and animals and human beings that inhabit it.

It is the firm belief of the founders of Terocoin that cryptocurrency and blockchain technology will revolutionize the financial system, the non-profit sector, and the way that human beings interact with each other on this planet, however only one cryptocurrency is also designed to save the planet.





# Earth Preservation through Financial Innovation





## Currency Specs Summary



Issuer	Tero Reserve Foundation
Location	Costa Rica
Concept	Digital Asset
Type	Asset Backed Cryptocurrency
Technology	ERC23 token on Ethereum Blockchain
Guarantee	Internationally Recognized Fiduciary
Commodity Backing	Real Estate
Total Issuance	51 Billion TERO by 2033
Total Land Fund	51,000 KM2 by 2033
Backing Ratio	1 Terocoin = 1 sq meter / 10.7 sq feet



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