



# Bamboo Token

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WHITE PAPER



# Abstract

The purpose of the White Paper is to present how the Bamboo Token project works.

In particular, we want to highlight the benefits that can be achieved through the use of the Blockchain in the context of reference, both for participation and for the management of the project itself.

Potentially feasible on a global scale, the project will initially be implemented in Italy.

After examining the main dynamics concerning the sector concerned, the document will show the benefits of integrating recent technological innovations into the reference context.





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# 1. Project Justification

The motivations behind the implementation of the project are to be attributed to the interest of the promoters in spreading bamboo plantations, while at the same time generating important benefits for the environment, promoting the development of eco-sustainability and agricultural entrepreneurship in the area of reference.

## Project Value

The value of the project is largely determined by the potential of the plants which, in addition to being able to be used for the production of a high quantity of products, are characterized by a life expectancy of over 75 years, most of which will be highly productive.

## The purpose

The aim is to help the farms in the territories concerned to create bambusetos that will be given (to them) for free at the end of the project. This will create a new economy in the territory with the development of an eco-sustainable and positive process for the surrounding environment.

## Bamboo Token for the Green Economy

Since factors such as carbon dioxide emissions and deforestation are among the main causes of climate change, the Bamboo Token project aims to provide a possible solution for the reduction of those phenomena that can cause and aggravate environmental damage. With the aim of supporting the Green Economy on many fronts, the project is geared on the one hand to reducing the consequences of pollution and on the other to the creation of eco-sustainable products covering many sectors such as agriculture, construction, textile industry and many others<sup>1</sup>. In these terms, the aim is to improve the air quality made possible by the significant amounts of CO<sub>2</sub> that can be converted into oxygen by plants<sup>2</sup>. Secondly, the aim is to support the production of numerous eco-friendly and eco-sustainable products through the use of all parts of the bamboo plant (be they shoots, fibres or trunks).

The numerous applications of plants, combined with their versatility, high adaptability (to the soil, temperatures) and prospects for life, are fundamental determinants for the realization of the set intentions.

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<sup>1</sup> For further details please refer to the "Applications" section of the following WhitePaper.

<sup>2</sup> More detailed information will be provided later in this document.



## 2. The overall project

Bamboo Token promoters will manage (with the help of their partners and collaborators) the Initial Token Offering (ITO) underlying the project, following the guidelines required by the development plan<sup>3</sup>. Once the target group of potential **participants has been** reached, they will be given the necessary indications to join.

### How it works

Specifically, the individuals concerned will be involved in the purchase of one or more tokens (depending on the amount of their available resources). **Each token will correspond to the adoption for 15 years an area of land** through which the participant will be entitled to the products obtained from bamboo plants (shoots and culms) determined by the total production divided by the corresponding area. Alternatively, through an agreement with local partners, participants will be given the opportunity to sell their products or convert their value into finished products. This possibility will be managed directly between the participant and the partner without any intermediation or interest from the Bamboo Token project. **The participant in the Bamboo Token project shares the spirit and motivation of the initiative.**

In this first part of the White Paper we want to pay attention to the important potential of the project which, through collaboration with local companies that intend to move towards a more eco-sustainable approach, aims to promote, through the same, not only a purification of the air breathed in the corresponding and neighboring areas, but also a redevelopment of the companies themselves in an ecological key, providing important ways to operate in a sustainable way and according to the prerogatives required by the creators of the circular economy. The companies present on the territory will have the dual objective of safeguarding the care of the land and the success of the harvest, ensuring the delivery of the products of the plants (once harvested) to the owners of the tokens or partner companies responsible for resale<sup>4</sup>.

### The link with the territory

For the cultivation of the land will be involved **companies present on the territory**. The same, after the realization of partnership agreements with Bamboo Token will commit themselves in the cultivation, management and care of the plants for the entire duration of the project, delivering what produced to the owners of the tokens. In the fifteenth year after the start of the project, all rights to the project and the plants will be transferred to the farms by Bamboo Token. At the end of the project, the companies in question will obtain the bamboo groves as they have been cultivated and cared for in previous years.



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<sup>3</sup> Which will be explained later.

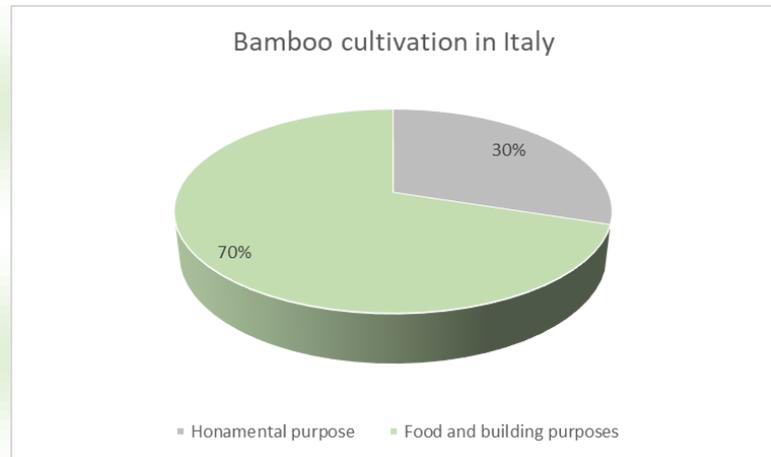
<sup>4</sup>



## 3. Product description

### The reference market

Bamboo plantations are widespread in the East, particularly in China. In our country, until 2014 the plant was used only for decorative purposes; however, after the discovery of the high adaptability to the environment and the many uses for which the same plants can be used, bamboo has begun to be used for different purposes so that at the moment, only 30% of the bamboo grown is used for ornamental purposes. Thanks to the growing interest in cultivation, numerous consortia and nurseries have sprung up specialising solely in the growth and marketing of bamboo plants. In 2020, in Italy, there are about 2500 hectares cultivated and distributed among 700 farms.



### Main features

Bamboo plants grow fast and begin to produce shoots and culms from the third year (when the harvest begins and from which the first income can be counted). It takes a decade to produce quality wood (coniferous plants need 25 years to reach the same goal).



Being renewable and particularly resistant plants, bamboo plantations adapt to a multitude of different types of soil and numerous climatic zones. It should be noted, in this regard, that they can grow even at  $-20^{\circ}\text{C}$ . Despite the many advantages that characterize them, they still need irrigation, fertilization, constant and controlled manpower, even if they do not require heavy excavation and piling costs. Operating costs are low, mainly related to water consumption and fertilization (two per year). All in all, there are between 120 and 150 working days per hectare; the sprouts are harvested in spring while in autumn and winter the reeds (culms) are harvested.

Because of their main characteristics, bamboo plantations only generate productivity for the environment and the land where they are located. Thanks to their rapid growth cycle and their resilience, they are able to generate **high productivity** per hectare (see production data below). Thanks to these characteristics and the low planting and maintenance costs, the project can be considered safer than other types of agricultural interventions (for example those oriented to the realization of orchards with dubious productivity and characterized by high maintenance costs).



## 4. Applications

Bamboo plantations can be used for the most diverse applications (there are up to 1500 different products that can be produced in various sectors). Below is a list of the main uses for specific sectors.

**The textile sector.** From a particular type of Bamboo (Moso quality) it is possible to extract a textile fibre that can be used for the production of eco-sustainable clothing. Soft and shiny, the garments made are reminiscent of silk but are less delicate to the touch and are characterized by more competitive prices. Thanks to a naturally occurring antibacterial agent, they are hypoallergenic, antibacterial and antifungal; moreover, although the fiber is highly absorbent, it provides protection from about 98% of harmful UV rays. 100% biodegradable, bamboo fabric decomposes naturally without releasing any pollutants.



**Bio-architecture.** Economical and eco-sustainable, bamboo allows the realization of material much more resistant than oak but just as comfortable and for this reason it is highly competitive for low cost construction. In America it is already spreading for the construction of cathedrals and public buildings and in Europe as a floor covering material.



**Environment.** Plantations are able to filter significant amounts of carbon dioxide producing 35% more oxygen than other plants<sup>5</sup>. In addition to favouring the oxygenation process, another important advantage of plantations is their ability to counteract hydrogeological instability, confirming what has been indicated above regarding the ability of bamboo groves to adapt to soils that would otherwise be unsuitable for other types of crops. It should be noted that there are many non-cultivable areas in Italy: from this point of view, the implementation of plantations of this type would be fundamental in order to maximize the productivity of the Italian territory.



**Further applications.** The areas of application of bamboo are constantly evolving. In addition to the areas mentioned above (textile, construction and food industry), bamboo has also begun to be used in industry for the production of laminates, biomass, pharmaceuticals, yarn, paper pulp, gifts, furniture, pellets, agricultural and fishing equipment, handicrafts, musical instruments, paper production, laminated wood production, etc..



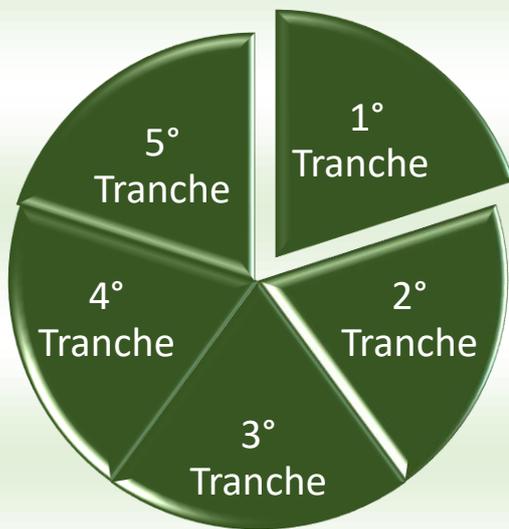
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<sup>5</sup> One hectare of giant bamboo transforms up to 62 tons of CO<sub>2</sub> per year into oxygen, while one hectare of young bamboo woodland can be up to a maximum of 15 tons.



## 5. Territorial remarks

The orientation of the developers of Bamboo Token is to make the project feasible on a global scale. The promoters of the project have agreed to start from Italy. To this end, 500 hectares of land with the best characteristics for the cultivation of bamboo plants will be identified on Italian territory.



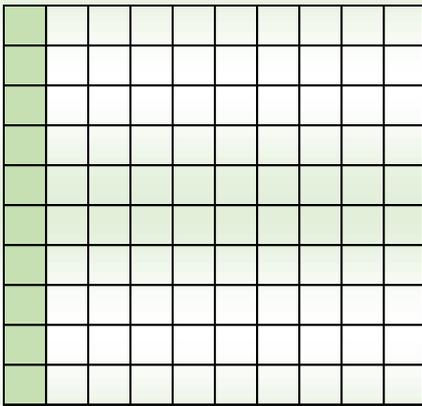
The cultivation will be divided into 5 **activation tranches** of 100 hectares each in order to bring the project gradually to completion.

This first part of the program, in addition to being realized in Italy, will be characterized by the production of a single type of Bamboo plants: the **Moso**, also known as **<giant bamboo>**.



## 6.Token assignement

Participants will be able to join the project with the minimum purchase of <one token><sup>6</sup> corresponding to the adoption of a tenth part of one square meter of land. If we consider the square below corresponding to one square metre and divide it into one hundred square decimetres, the plot corresponding to the purchase of a token will be the area equivalent to the area highlighted in green, i.e. the area corresponding to ten square decimetres.

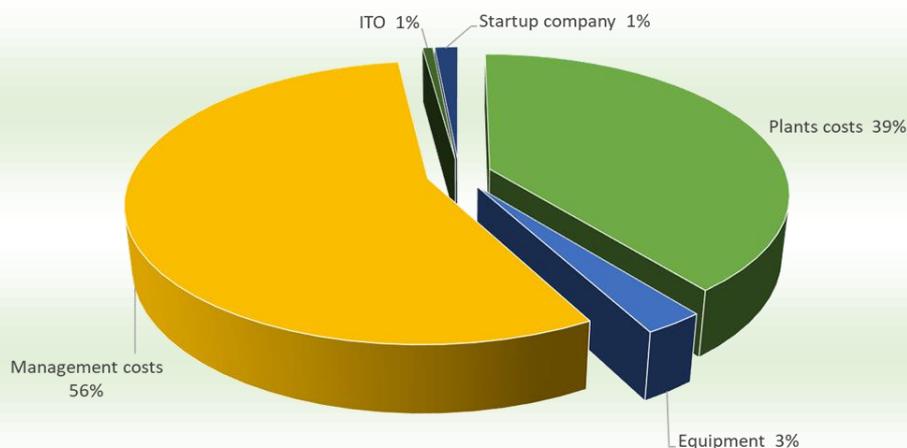


It is underlined that through the purchase of a token of the project, all the products that will be obtained from the land corresponding to the area highlighted on the side and that will be available starting from the third year of activity can be considered pre-purchased<sup>7</sup>.

To calculate the value of the individual token, the total costs necessary to start the project and maintain it until the first year of productivity have been considered. In particular, the start-up costs, equipment, operating costs and costs for the implementation of the ICO were considered, as shown in the

graph and table below.

### FOUND DISTRIBUTION



In order to determine the value of the individual token, the total costs of the project were calculated and divided by the total of the preset square meters. Subsequently this value was divided into one tenth of the square meter as explained above.

<sup>6</sup> The token section will specify its nature, characteristics and conditions.

<sup>7</sup> As mentioned above, bamboo plants can be considered productive from the third year of age.



## 7. Project deliverables

Through the Bamboo Token application, each project participant can view the map of available land. Each cultivated area will be graphically divided into square meters and visible on the special platform, so that each user of the same can observe the land throughout the duration of the project thanks to a series of **cameras** and **drones** positioned along the cultivated area.



Thanks to the use of this instrumentation it is intended to improve the user experience, making it able to monitor and control the plots of land used for the cultivation of the products: it will be possible to observe live what happens in the selected areas 24h/24.

### Clarification

It should be noted that the purchase of tokens does not correspond to the possession of a specific area but an undefined part of the land corresponding to the quantity of tokens purchased. In order to avoid possible discrepancies deriving from the different proceeds generated by the cultivation of plants located in different soils and with different climatic characteristics, it has been decided to proceed as follows for the attribution of the products of the plants: starting from the first year of productivity, the culms and sprouts totally produced by the cultivated hectares up to that moment will be quantified. The resulting products will then be divided up proportionally for the different participants according to their share of the token held.

### To join

The Bamboo Token application will be available and usable on *mobile* and *tablet*. Registration is done by filling out a *form* and entering your e-mail and password. Afterwards, you will receive a confirmation email. To complete the registration, it will be important to enter your personal data and references to the tokens purchased. Please note that access to the platform is via an application interface.

The tokens issued and purchased, on the other hand, will aim to connect the participants to the products generated by the plantations. As previously stated, the person who decides to use his own resources in Bamboo Token, will be entitled to obtain all the products generated in proportion from the plot of land corresponding to the quantity of tokens purchased.

**Bamboo Token** differs from other ITO (*Initial Token Offering*) campaigns because of the concreteness that characterizes the project itself. Compared to other tokens whose purchase will be able to provide only services and discounts on the platforms of the implemented projects, each token allows to obtain the material products derived from the cultivation of bamboo that the participant will be able to resell through the partners obtaining the countervalue in currency or finished products for the same countervalue.



On the label of the products obtained there will be a QR code which will report all the information related to the production of bamboo, certifying its quality and origin. **The data on the QR code will be collected and recorded via blockchain and consequently will be traceable and transparent.** Within the project it is foreseen the realization of a register that will report the history of all the information concerning the harvests of bamboo grown (climatic conditions, quantity of water used for watering, type of land, characteristics of the harvest, personnel employed, etc.).



## 8. The team: composition and structure

The main components and supporters of the project are presented below.



**Alfio Moretti**

Founding partner, great supporter of the green economy and constantly looking for solutions to improve the quality of the environment.



**Matteo Calzuola**

Young agronomist who has a strong interest in the cultivation of bamboo and will work with Alfio to support him during all phases of the project.



**Daniele Mantovani**

Expert in online and offline graphics, he will take care of the promotional part by creating the communication graphics.



**Enrico Cadeddu**

Social media marketing expert



**Fabio Pacchioni**

Expert in blockchain and smart contract



**Sebastiano Gambera**

A consultant with more than twenty years of experience in the management of companies, will deal with the economic and financial aspect.





## Partners

The bamboo supply chain involves several qualified entities.

**New Farming Srl Società Agricola** is the agricultural company partner of the project on the Italian territory. The company founded by young farmers and experts in the sector has given all the guarantees to bring the project to a successful conclusion thanks also to the agreements made with the following parties:

**CBI Spa** is an Italian commercial company that deals with the collection of bamboo shoots and culms on the fields, the marketing and resale of processed products through commercial agreements. From the first harvest, the Consortium undertakes to buy the entire production of sprouts and culms for a period of ten years renewable.

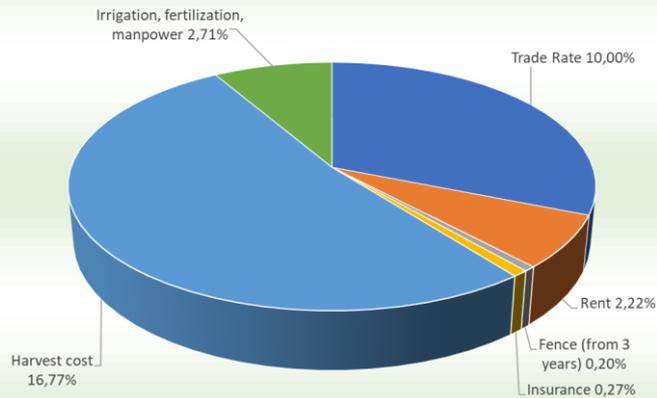
**Vivai OnlyMoso** is a company that operates specifically in the sector of Giant Moses Bamboo: the same company, in addition to providing plants with guaranteed rooting, will provide its agronomists to provide support in the proper cultivation and management of bamboos.

**Papini Francesco Impresa Agricola** company that deals with the realization of bamboo shoots, the management and maintenance of the same and the harvesting of shoots and culms of bamboo



## 9. Potential Benefits

The Bamboo Token project has no financial nature whatsoever. The token issued provides for the adoption of a part of bamboo and the obtaining of products from the plantations for a period of 15 years. Participants will be able to have the products collected and sent to their homes or ask partners to sell them on their behalf. The local partner will obtain the sale of a percentage of the products obtained equal to 32% to cover the management costs divided as follows:



On the basis of the data obtained from the plantations already active in Italy, the expected production of sprouts and culms per hectare are:

Year	Sprouts Production (Kg)		Average value	Culms Production <12 cm (T)		Average value	Culms Production > 12 cm (€/canna)		Average value
1				-	-	-	-	-	-
2				-	-	-	-	-	-
3	1.750.000	4.500.000	3.125.000	500	500	500	-	-	-
4	2.800.000	7.400.000	5.100.000	1.000	1.000	1.000	-	-	-
5	3.750.000	10.000.000	6.875.000	3.750	5.625	4.688	124.875	624.375	374.625
6	3.750.000	10.000.000	6.875.000	5.625	11.250	8.438	187.000	937.500	562.250
7	3.750.000	10.000.000	6.875.000	7.500	12.500	10.000	250.000	1.250.000	750.000
8	3.750.000	10.000.000	6.875.000	7.500	12.500	10.000	250.000	1.250.000	750.000
9	3.750.000	10.000.000	6.875.000	7.500	12.500	10.000	250.000	1.250.000	750.000
10	3.750.000	10.000.000	6.875.000	7.500	12.500	10.000	250.000	1.250.000	750.000
11	3.750.000	10.000.000	6.875.000	7.500	12.500	10.000	250.000	1.250.000	750.000
12	3.750.000	10.000.000	6.875.000	7.500	12.500	10.000	250.000	1.250.000	750.000
13	3.750.000	10.000.000	6.875.000	7.500	12.500	10.000	250.000	1.250.000	750.000
14	3.750.000	10.000.000	6.875.000	7.500	12.500	10.000	250.000	1.250.000	750.000
15	3.750.000	10.000.000	6.875.000	7.500	12.500	10.000	250.000	1.250.000	750.000

If you want to sell the products through the local partner, currently in Italy the prices of sprouts are on average € 3,00 per kg while the reeds (culms) on an average of € 400,00 per ton.

Depending on the purchase price of the token, average annual revenues could range between 25% and 45%.



## 10. Nature of the token

The financing for the development of the project and the implementation of the platform will be through the issuance of a *Utility Token* called **Bamboo Token** (BMTK Token) from a verifiable public *smart contract*.

### The choice of technology for the sale of tokens

Bamboo Token will be based on Ethereum's ERC20 protocol, which defines a standard interface for *smart contracts* requiring tokens.

A new blockchain has not been produced (i.e. a new cryptocurrency has not been created) to emit the token because it is intended to use the Ethereum blockchain security systems.

### The sale of tokens

The cultivation of Bamboo, which is to be financed with the start of the project, involves the creation of plantations on 500 hectares of land. Being one hectare corresponding to 10,000 square meters and considering each token corresponding to the tenth part of a square meter, a total of 50,000,000 tokens will be issued<sup>8</sup>. In the first phase of the project, plantations will be built on an area of 100 hectares and **10,000,000 tokens will be issued**.

The sale of the tokens on the 100 hectares will take place in three different stages through the control of **TokenCrowd**, which will ensure that the amounts received are allocated to the activities foreseen in the project and that they are not diverted or taken over by the project promoters. The three phases are listed below:

- 1. Pre-sale:** for this first phase 5% of tokens for sale are reserved and can be purchased with 40% discount. In order to purchase tokens in this mode, you will need to purchase a minimum of 1000 BMTK. The proceeds will be used for the creation of the company and to implement all the contracts necessary for the start of the project. In case of sale of the products through the partner, given the purchase value of the token, you could get an average annual gain over 15 years, estimated at about 45% per year.
- 2. Public Sale 1:** at this second stage 5% of tokens for sale are reserved and can be purchased with 20% discount. In order to purchase tokens in this mode, you will need to purchase a minimum of 400 BMTK. The proceeds will be used for the realization of a prototype (MVP - Minimum Viable Product) of the project and for the first marketing campaigns. In case of sale of the products through the partner, given the purchase value of the token, you could get an average annual gain over 15 years, estimated at about 35% per year.
- 3. Public Sale 2:** the proceeds from the sale of the tokens at this stage (90%) will be used to start the planting and management phases. In order to purchase tokens in this mode, you will need to purchase a minimum of 50 BMTK. There are no discounts to be applied for the purchase of tokens reserved for this third phase. In case of sale of the products through the partner, given the purchase value of the token, you could get an average annual gain over 15 years, estimated at about 25% per year.

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<sup>8</sup> 10000 meters\*10 \* 500 Hectares



Pre-Sale  
**40%**  
Bonus

Public Sale 1  
**20%**  
Bonus

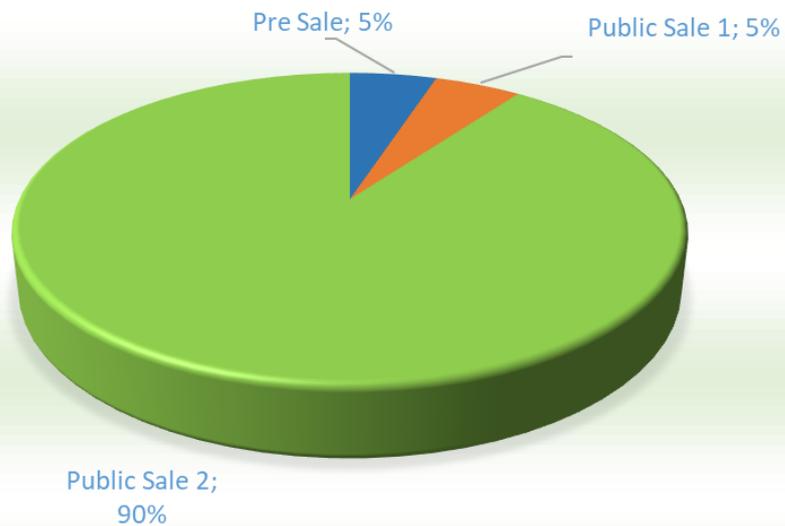
Public Sale 2  
**0%**  
No Bonus

Legal

Marketing, MVP

Plant and

Round	% on sale	Bonus	Token value	Token numbers
Pre Sale	5%	40%	0,90 €	350.000,00
Public Sale 1	5%	20%	1,20 €	350.000,00
Public Sale 2	90%	0%	1,50 €	6.300.000,00





## Main features of BMTK Token

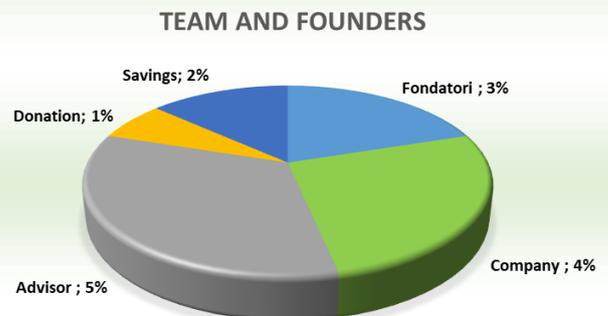
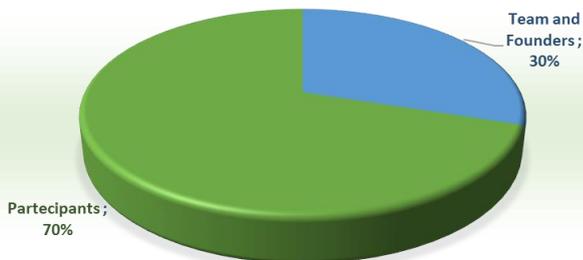
The token created to finance the development of the platform will be of the type ERC20 (BMTK Token), will be made on the **Ethereum** blockchain and will depend on the distributed computing capabilities of the blockchain itself. The tokens will be sold to the public as described above.

Token Features 	
Token symbol	BMTK
Token issued	10 milioni
Token on sale	7 milioni
Purchasing methods	Web platform
Purchasing methods	BTC, ETH, LTC, TRX, EUR, USD
Token Value	1 BMTK = € 1,50
Token in Pre Sale	350.000
Token in Sale 1° round	350.000
Token in Sale 2° round	6.300.000

Upon reaching the *market cap*, a new token issue will be activated for a value corresponding to a further 100 hectares in Public Sale.

## Token distribution

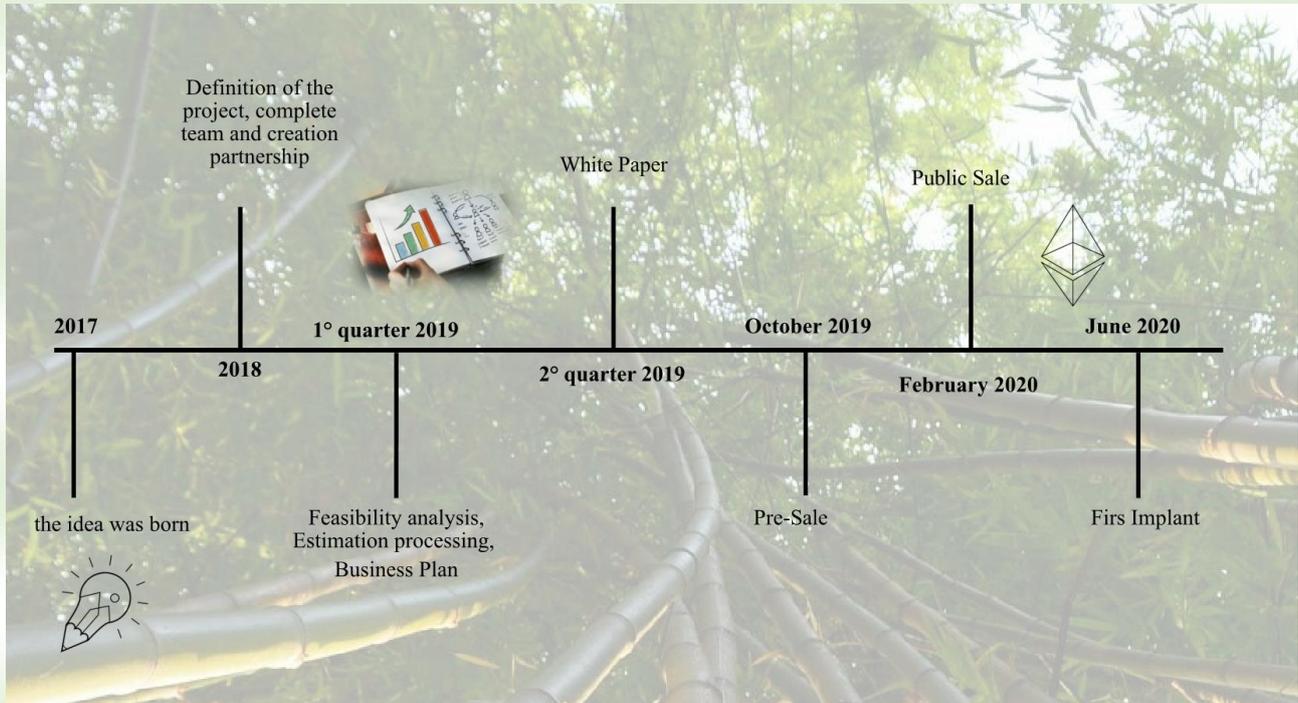
	Topics	Breakdown	Total %
Team and Founders	Fondatori	5%	<b>30%</b>
	Company	5%	
	Advisor	5%	
	Donation	5%	
	Savings	10%	
Participants	Partecipanti - Pre Sale	3,50%	<b>70%</b>
	Partecipanti - Sale 1	3,50%	
	Partecipanti - Public	63,00%	





# 11. Project Timing

The following is the *Roadmap of the project*: the first part concerns the analysis and elaboration of the documents necessary for the launch, the second part concerns the dates of sale of the tokens and the preparation of the Bamboo crops.





## 12. Legal

The Bamboo Token project is an initiative of Bamboo Token Ltd and aims to create bamboo cultivations in all compatible areas for the improvement of the ecosystem both according to the characteristics of the plants and their uses. In the following paragraphs you will find indications regarding the issue of the token and the necessary requirements to participate in the Private and Public Sale.

### General information

Those who participate in the Bamboo Token project share the aim of the project and promote its development. To finance the development of the platform, 50 million tokens (10 million for each tranche) will be created on the ETHEREUM blockchain, and will be sold to the public, in exchange for crypto-currency and FIAT currencies.

Each Bamboo Token (hereafter called **BMTK**) is representative of the adoption of a tenth of a square meter of land and will allow project participants to obtain the amount of buds and culms it will produce for the entire duration of the project. **BMTK does not have the legal status of a security, as it does not confer any right to receive dividends or interest.**

The sale of Bamboo Token is final and non-refundable. The same, are not shared and do not entitle to participate in the general meetings of Bamboo Token Ltd.

Bamboo Tokens may not have a particular performance or value outside the platform. Therefore, they must not be used or purchased for speculative or similar purposes. BMTK is a functional token for the project ecosystem. Therefore, a user is simply contributing to the Bamboo Token project and the token received in exchange for the financial resources provided will be used to enable the project to operate.

The purchaser of Bamboo Token is aware that the laws relating to the purchase of **Utility tokens** will be applicable as set out in the laws of England.

Purchasers of Bamboo Token expressly acknowledge and represent that they have carefully reviewed this white paper and fully understand the risks, costs and benefits associated with the purchase.

### Knowledge required

The purchaser of Bamboo Token is a person with **appropriate** knowledge and experience in terms of cryptocurrency, blockchain systems and services and fully understands the risks associated with crowdsale and the mechanism related to the use of cryptocurrency. Bamboo Token Ltd will not be liable for any loss related to Bamboo Tokens or situations that make access to the tokens impossible, which may result from any actions or omissions of the user or any person who commits to purchase Bamboo Token, as well as in case of hacker attacks.



## Risks

The purchase of Bamboo Token involves the following risks:

1. The project may not start;
2. The regulation of token offerings may be subject to change or interruption;
3. Some services and products that you intend to implement may not be developed.

Before buying Bamboo Tokens you should carefully assess the risks in relation to the possible benefits and if necessary get support from specialists in the field.

**If a person is not aware of the risks or is not in a position to accept them, they should avoid buying Bamboo Tokens.**

## Declaration of responsibility

This white paper should not and cannot be considered an invitation to participate in an investment. It does not constitute or relate in any way, nor should it be considered an offer of securities in any jurisdiction.

The white paper does not include or contain any information or indication that could be taken into account for:

- purchase the token where jurisdiction is prohibited, limited or subject to further conditions of any kind;
- to use *crowdsale* for any illegal activity, including but not limited to money laundering and terrorist financing;
- buy Bamboo Token for speculative or financial activities.

## Applicable law

The legal framework to which the sale of tokens and the Bamboo Token Ltd will refer is that relating to England.

## Arbitration

All disputes arising from published White Papers will be settled by arbitration in accordance with the English Rules of International Arbitration in effect on the date the request for arbitration is submitted. The arbitration shall be conducted by a single arbitrator. The place of arbitration will be in one of the official seats in England and in the English language.

## Business Advisor & Escrow

Assistance in the implementation of the ICO is provided by:

TokenCrowd

<https://www.tokencrowd.eu>

[info@tokencrowd.eu](mailto:info@tokencrowd.eu)



**Bamboo Token Ltd**

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