



Orne.io White Paper

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I/ Introduction

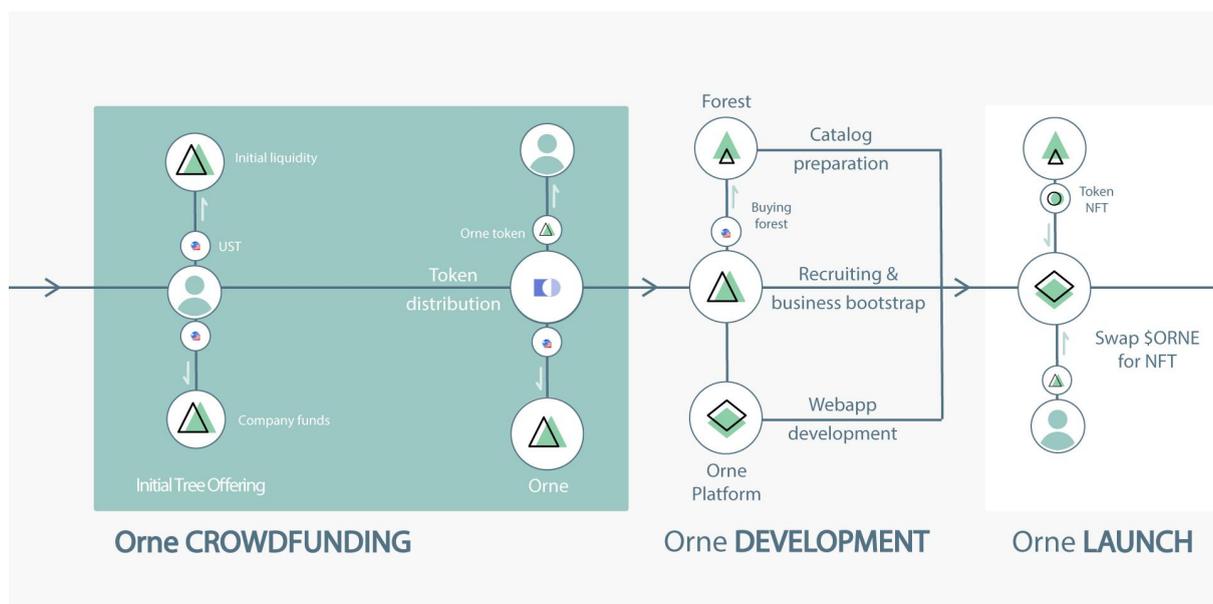
Orne is a platform for buying, selling and trading trees and will give its name to the managing company.

Each tree purchased is represented by a unique non-fungible token (NFT), generated on a blockchain. When the tree reaches maturity, all the profits from its exploitation will be returned to the holder of the NFT. This alternative, unique and modern financial model ensures a return on investment derived from an economy that is real and sustainable.

This union between the blockchain and a responsible exploitation of the forests' resources will allow owners of an NFT to receive a return on investment above the annual returns expected in traditional finance while contributing to a vision of the future in line with our planet, inter alia sustainable development and biodiversity.

The forestry operations acquired by Orne will not be industrial tree plantations but will result from the maintenance and creation of rich and complex ecosystems. Orne is convinced that it is possible to combine biodiversity and profitability with the assistance of forest specialists.

II/ Objectives



Short Term

In the period following the crowdfunding, for a maximum of three years or until exhaustion of funds, the main objective is to create the Orne company whose management will be ensured thanks to the income generated from our forestry operations.

First, the company will acquire forest land in order to carry out exploitation activities.

A detailed inventory will be drawn up by our forest specialist on all the trees available for sale, gathering precise data on the species, origin, age, estimated selling price, and time remaining before maturation of each tree.

This data will be used to build a catalogue referencing the trees for sale and will be available for consultation on the Orne platform.

At the same time, our team will be tasked with researching the optimal methods in order to obtain the best return from our operations. We will also develop the platform offering you the possibility to buy, sell and exchange the referenced trees as well as all the services that link the field operations and the blockchain.

Long term

Once the short-term goals are met, our priority will shift to the development of forest land and the products resulting from their exploitation in order to value the ORNE Token.

The running costs of the Orne company and the used surface of our land will not follow a linear growth. As the total supply of ORNE Tokens will not vary once the crowdfunding has expired, each hectare of land will directly result in an increase in profits which will be invested in the acquisition of new forest land – at this point, a virtuous circle is created.

Ultimately, the Orne company aims to exploit forest land in various countries in order to establish preserved sanctuaries in regions where biodiversity is most threatened.

III/ The Orne Company

Corporate Name

Orne SAS, a French simplified joint stock company, will be founded and established in the south of France by the main founder, Mr. Luc Michault (CEO).



Luc Michault
Founder & CEO

Entrepreneur and business leader.
Eight years of experience in communications (designer, web project manager and web developer) in multiple communication agencies in the southwest of France.

The Team

The Orne team will mainly consist of Mr. Valentin Michault, responsible for forests as well as a Front-End developer and a Back-End developer, a marketing manager and a community manager (currently being recruited).

Moreover, we will hire a tax lawyer, an accountant and a notary not only for the creation of the Orne company but also to complete all transactions (purchase of forest properties) and ensure the sound and transparent management of the company.



Valentin Michault

Technician Manager and Protector of Natural Environments

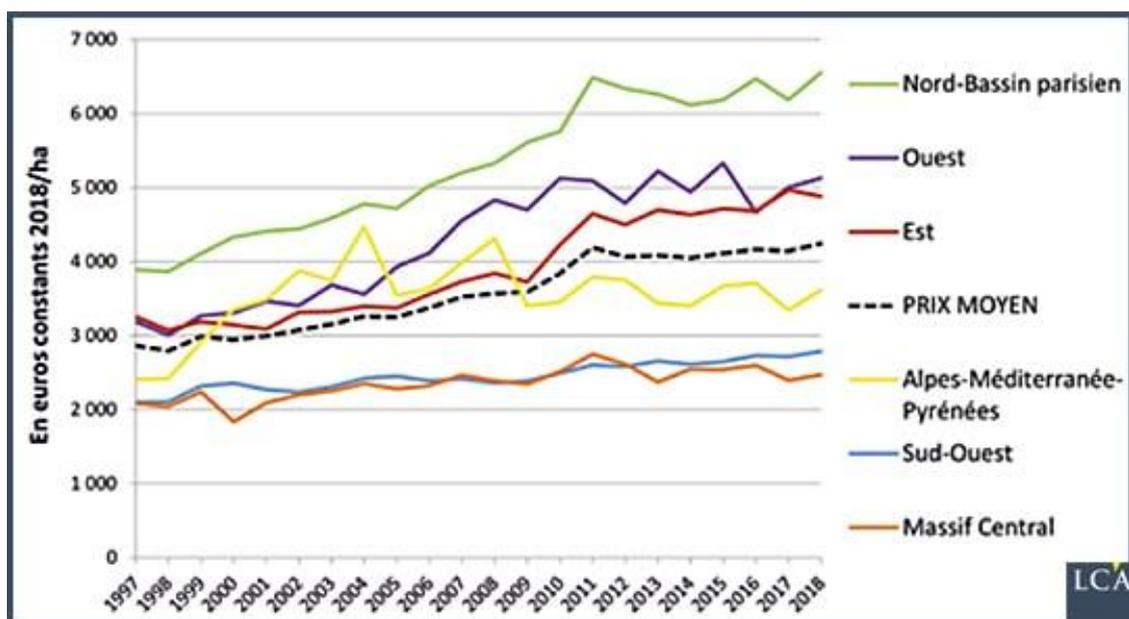
Graduated from a BTSA (Advanced Agricultural Technician Certificate)

Four years of experience in the management and protection of natural environments and wildlife.

Income

The French forests employ over 440,000 people (much more than the car industry) and has an annual sales turnover of 60 billion euros, or nearly 3% of the country's GDP.

Depending on the success of the launch, Orne should be able to acquire approximately 350 hectares of forest land at a price of 3,000 euros / hectare (valuation based on the current average price in the region of southwest of France and we have taken into account the necessary resources to launch and manage the Orne company).



[Evolution of the price of forests in France](#)

Our main income source will be the sale of trees and timber from trees. As trees are living beings, it takes a certain number of years for them to reach maturity and acquire all of their specific qualities. The tree's felling age depends on its variety: from a few decades to over one hundred years old. Premature felling is not an advantage because, on average, when the age of the tree doubles, its volume of timber becomes eight times more important. As the Orne company is seeking to acquire existing forest land, the flow of trees reaching felling age will be relatively constant.

Several factors are considered when establishing the selling price of each tree, such as location, species, wood quality, cut, volume, classification, age and maturity.

Here is an indicative [price table for oak](#):

- Merrain / cabinetry quality: up to 280€/m³
- 2nd choice quality / edged / frieze: up to 110€/m³
- Framework quality: up to 75€/m³
- Wood ties quality: up to 35€/m³
- Palette quality: up to 15€/m³.

Apart from timber, there are other sources of income related to the exploitation of forest land. It is planned to optimize each operation in order to achieve the best performance while respecting the health of the ecosystems.

Some examples of alternative income depending on location and altitude:

- Essential oils: They are used as a raw material in many products across industries (food industry, cosmetics, cleaning products, agriculture, pharmaceuticals, etc.). Since 2011, the sales of essential oils in France are constantly increasing. Between 2015 and 2016, the market grew by 15% and reached close to 180 million euros.
- Honey: No less than 45,000 tons of honey are consumed each year in France, making it the country with the largest consumption of honey and hive-derived products in Europe (600g / inhabitant / year). With an average of 20 € / kg, this represents a market of over 900 million euros.

- Medicinal herbalism: Representatives of the Pierre Fabre laboratory indicated that the natural health and beauty markets represent more than 3 billion euros in France. In addition to rather stable traditional markets, such as bulk and dry plants intended for infusions and pharmaceutical preparations, new markets are experiencing strong developments such as the food supplement industry.
- Tourism / nature activities: In France, an estimated 5 million people are interested in nature tourism, specifically thematic itineraries around the discovery of nature, terroirs and crafts. (Result of an OMT survey (2002) and the study Le marché français du tourisme « nature-faune », Les cahiers de Afit, 1999.)
- Truffles and mushrooms: The truffle is a highly coveted mushroom that can reach a selling price of € 7,000 / kilo. For example, in November 2013 eleven white truffles were sold for € 274,200 in Alba in the Italian Piedmont.
- Paper: Depending on the manufacturing process used (mechanical or chemical), a single tree can produce up to 16 to 30 reams of paper, i.e. 8,000 to 15,000 A4 sized sheets of paper. Paper production requires large amounts of water, 60 liters per kilo of paper, and polluting products such as chlorine used to whiten the paper.
Orne intends to develop another technique for manufacturing paper, using the cellulose contained in tree leaves. Doing this would prevent us needing to cut down trees.
- Products derived from wood: Orne is considering producing walking sticks and other articles aimed at promoting nature tourism.

Projections

As the running costs of the Orne company are provided for in the treasury for the first three years only, Orne will use 50% of its profits to build the company's cash reserves and will invest the other 50% in the purchase of new forest land.

The first forest land will be acquired in the southwest region of France. For an average price of around € 3,000 / hectare, the company will initially purchase around

350 hectares. The 20% of ORNE Token's supply, reserved for the growth of the company, will be released at regular intervals and will be used to remunerate, in part, the members of the team, to pay the fees of professionals (lawyer, notary, accountant, etc.), to develop new forest exploitation activities and rapidly increase the number of forest land acquisitions.

IV/ Platform

In addition to being able to exchange ORNE Tokens to buy trees, represented by NFTs, the platform will also serve as a marketplace.

Owning an NFT does not mean blocking your investment until the end of the exploitation of a tree.

Initial sell of NFTs will be made through Talis Protocol.

How non-fungible tokens (NFT) work

Each NFT is unique and is associated to a tree. The value of the NFTs will be estimated in relation to the last traded price of the ORNE Token and the cost of the tree. For a short moment, the minimum price of the ORNE Token will also be valued by the average sale value during the crowdfunding. This way, when exiting the platform, if the ORNE Token has a value lower than this average price, it will be revalued with a tree swap.

Our forestry specialist selects trees and makes an estimate of age, price and duration of operations. Once all these parameters are considered, the tree will be made available for sale using its unique associated NFT.

The sale price includes the current cost of the tree, as well as the land on which it is planted. Therefore, with each tree sold, Orne can expand its forest land and increase its capacity to exploit and protect the environment.

When the tree is logged, the net benefit (the profit minus the cost of tree maintenance and charges) will be blocked in a smart contract, in cryptocurrency, and the NFT holder will be alerted to come and withdraw his money.

After exchanging the NFT for profit, this token will be destroyed.

Tokens are free to be exchanged at any time on the Orne platform. You are therefore not obliged to keep your token until the exploitation of the tree and can benefit from an added value linked to the current duration of your investment growth.

NFTs will, eventually, also be available for purchase directly in cryptocurrencies (ETH, USDT ...).

Dashboard

An online application presenting the evolution of the project via information on forestry operations such as:

- Recent news
- Latest transactions
- Hectares of land
- Number of owners
- Number of trees sold
- Average return expected per tree.

This page will be useful for tree owners to get a quick overview of our operations and will be a source of information for those seeking to learn about the project.

Marketplace

To simplify the experience when selling, buying or exchanging trees, a marketplace module will connect sellers and buyers.

This marketplace will be decentralized and will operate on a blockchain. It will be accessible from various connection means, such as MetaMask or other Dapp compatible browsers.

Inventory

Most owners will possess more than one tree (potentially several dozen trees) and must have a way to sort and consult their collection in order to keep a good overview of their acquisitions.

Filters will allow a classification of trees acquired according to different criteria such as estimated income, age, species or date of the last intervention.

Detailed View

Each tree will have a technical sheet detailing its species, age, GPS coordinates, size, and maintenance history (pruning, ...).

V/ Contact

Website: orne.io

Telegram: https://t.me/orne_io

Email: hello@orne.io

VI/ Glossary

Back-End: Part of the development, not visible to the user. Generally used for administration and management of dynamic content.

Blockchain: Technology used for storage and transmitting information that is transparent, secure, and operates without a central control body.

Front-End: Part of the development, visible to the user.

IDO (Initial Dex Offering): Decentralized fundraising in the cryptocurrency world.

Marketplace: The name given to a commercial web application providing goods or services through third parties.

Pool: Used to exchange tokens. For example, an ORNE / BNB pool will allow BNB Tokens to be exchanged for ORNE Tokens.

Public sale: Allows you to participate in an IDO with no constraints.

ROI: Return on investment.

Smart Contract: Irrevocable IT program most often deployed on a blockchain, which performs a set of pre-defined instructions.

Soft Cap: Minimum amount to validate an IDO. It is defined by the action plan and the minimum needs for the business to operate.

Supply: Quantity of tokens issued.

Token: Digital asset issued and exchangeable on a blockchain.