



Tupan Minting

Get part of
saving the
Earth





TUPAN
ForestAu Green

The future of environmental regeneration is digital



TUPAN, THE TOKEN HUMANITY NEEDS

Tupan currency is born to solve, and assertively, the necessary transition to a regenerative and circular economy. By joining the high technology of cryptocurrencies and blockchain networks, with the most significant demands of the century, Tupan brings you the opportunity to make a difference in the environment while enjoying an investment with a high potential for appreciation.

ForestAu Green LLC is an American equity investment fund focused on Environmental Assets formed by a group of Brazilians with corporate and financial backgrounds who wanted to foster the regenerative circular economy in the Amazonia region. Its founding took place in the United States because of the maturity of the Capital Markets.

This is followed by presenting an innovative coining concept proposed first-hand by ZENIQ. The goal is to engage users by reflecting the cultural and natural aspects of the Amazon region in the minting process, translating the complex mathematical processes involved in blockchain technology into intuitive narratives that the tupan token investor quickly understands.



BLOCKCHAIN + TUPAN = PLANET + HEALTHY

THE MOST REVOLUTIONARY TECHNOLOGIES OF THE CENTURY WITH THE MOST URGENT DEMANDS OF SOCIETY

This technological advance also serves as an ally in developing sustainable and resilient economies. The Blockchain's capacity goes through its highly technical computing technological infrastructure and provides us with storage, traceability, and validation of financial processes for an evolution of the regenerative circular bioeconomy.

It is this movement that gives life to Tupan.

Pioneering cooperation

When the ZENIQ blockchain concept establishes, one of its foundations was to provide a solid ecosystem for real-world asset digitization. This proposal's goal was to extend the reach of a new generation of investors to liquid financial and illiquid assets, like fine art.

In this sense, ZENIQ provides the perfect environment for Web3 physical assets solutions to thrive, particularly the TUPAN project.

The future of humanity is in your hands

Conservation and reforestation of **369 thousand hectares** of rainforest

Minting TUPAN tokens is the beginning of the journey!



Imagine if you could solve our environmental problems and still earn with that.



We have a new financial/environmental-based solution for your business with the Tupan Token.



Using Blockchain Technology, we connect global investors to enable solutions with positive impacts on environmental recovery, promoting the Bioeconomy.



In compliance with the 17 UN Sustainable Development Goals.



What was a liability on your company's income statement now becomes an asset on your investment balance sheet.

THE Minting

To mint new Tupan Tokens in the Zeniq chain, users need to connect via the Zeniq Hub.

Each Hub possesses a copy of the minting smart contract containing unique parameters. This group of particular parameters is called Polen and carries information. That information will use to trigger dNFTs in the future.

A pollination event occurs when one Hub with zero active connections connects with another Hub with zero active connections. This event results in creating a virtual seed (Tupan's dNFT). Like natural pollen carries genetic information, this virtual pollen triggers a function in the seed contract, parsing the parameters of each parent hub as arguments. In a future event, this seed`s dNFT state will evolve into a "Tree" state, which contains a mix of the characteristics of both parents.



THE Minting

The seed is immutably attached to a single location on the map (possesses a unique X, Y coordinates pair).

When the process is complete, the state transition to a tree is triggered, generating a predetermined amount of Tupan tokens, defined by the halving function. This token number will be distributed between all connected tokens (see irrigation event).

The seed should pseudo-randomly inherit 50% of the parameters contained in each pollen. This pseudo-randomness is calculated as an $f(x,y, \text{param}) \Rightarrow$ selected params of Hub(A) and Hub(B). The result is stored in the dNFT's metadata.



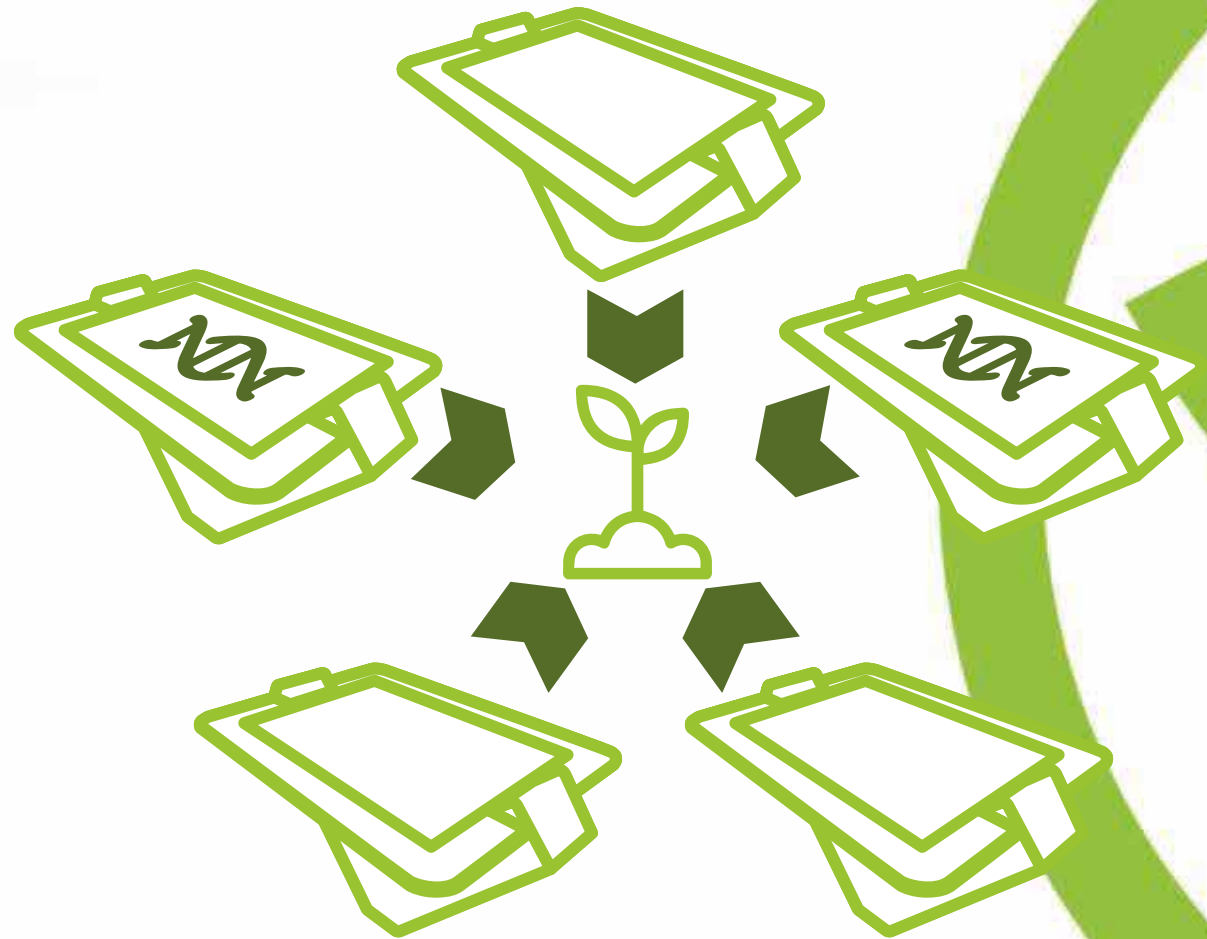
IRRIGATION EVENT

STEP 2

The previous section described the situation in which two hubs with no active connections find each other.

Suppose the condition of zero active connections is not satisfied. In that case, the Hub typically connects with the seed, triggering a function that increases the irrigation counter and advances the state from seed to sprout.

Every new connection that happens on this condition increases the counter. If the state is sprouted and the irrigation counter limit is not reached, then the state remains unchanged. If the form grows in the irrigation counter and reaches the irrigation limit, then advance state to Tree and trigger blooming event.



BLOOMING EVENT

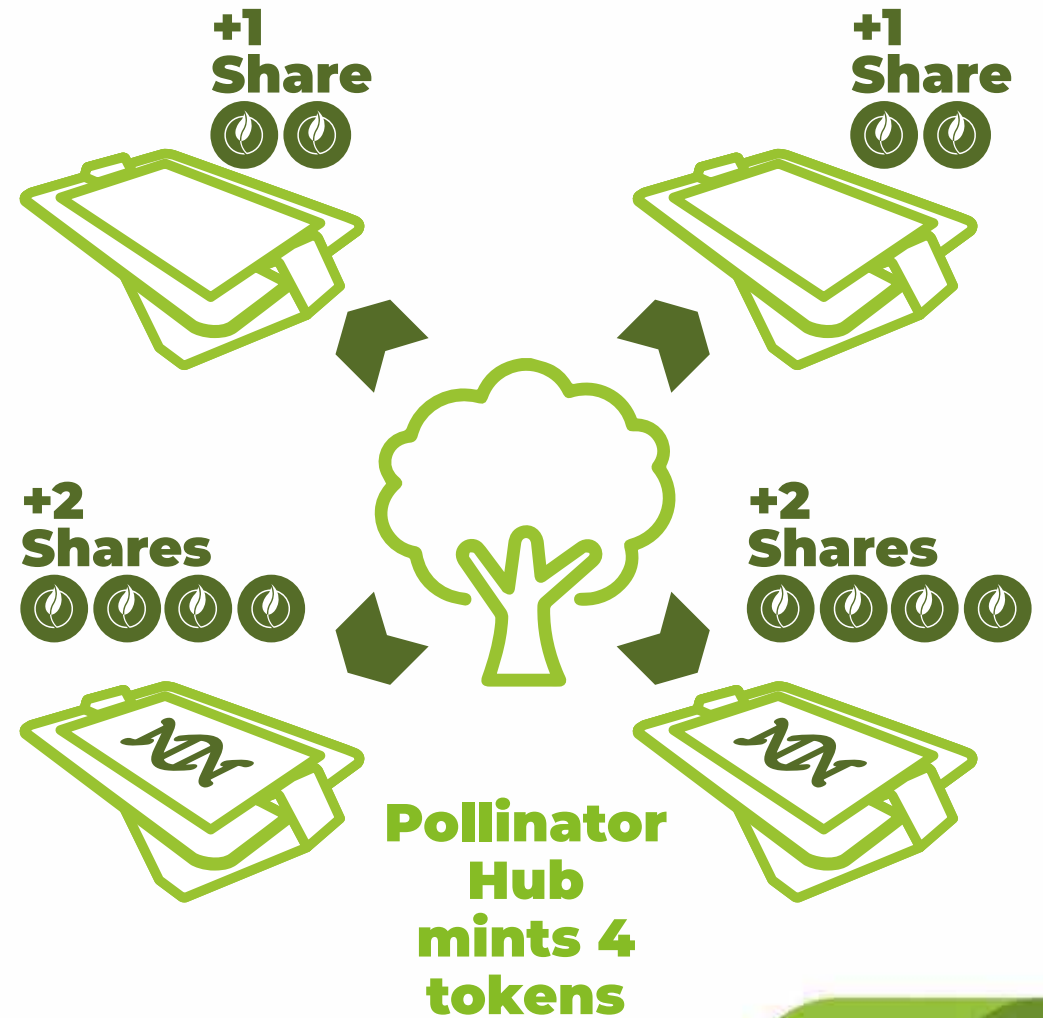
STEP 3

This event fires when the irrigation threshold reaches a new hub connection.

The determined N amount of tokens is minted and distributed in shares as follows:

- If a Hub is an Irrigator (connected during sprout state), it receives one share.
- Hub receives two shares if it is a Pollinator (connected during seed state).

For example, Blooming Event generated 100 Tokens. If 48 Hubs connect to the seed, the number of shares would be one per Hub plus one extra share per Pollinator (+2). In this case, there are 50 claims (48 + 2). The total amount of tokens per share is $100/50 = 2$ Tokens/Share. Each Irrigator Hub mints two tokens, and each Pollinator Hub mints 4 Tokens.



HARVEST EVENT

STEP 4

Some dNFTs are Harvesting compatible.

Suppose the original seed's harvest parameter is enabled (this is predetermined, and not all seeds possess such characteristics). In that case, the 3rd stage dNFT (Tree) originating from that seed will periodically mint Tupan tokens to its owner's Ability to mint, and the amount minted is linked to unique dNFT attributes (Mythology, Folklore, and Fauna). External events can also trigger special Harvest Events via oracle integration.



The TUPAN Investment Fund



**3.69
Billion
m3**

- Purchase of land with intact rainforest
- Reforestation of destroyed habitats

Conservation and restoration of the rainforest

CO2 Certificates for carbon trading on the world market



- Medicine
- Agricultural Productivity
- Cosmetic
- Surveillance

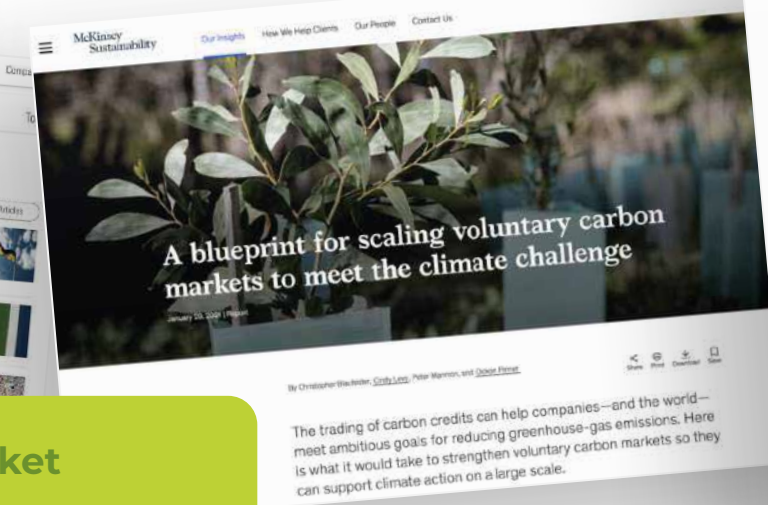
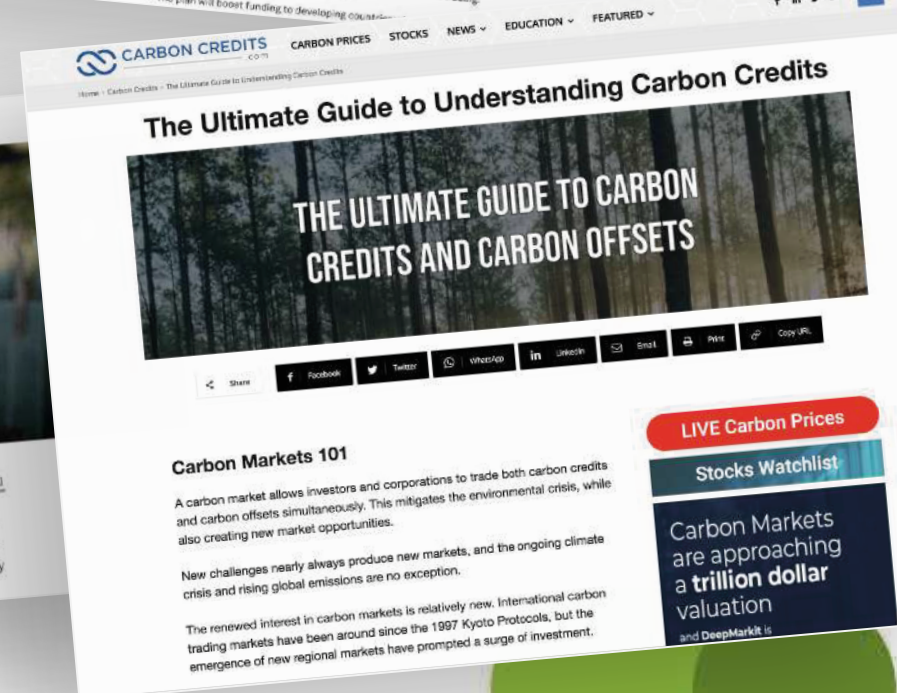
Several local companies with 67+ patents in registration

Multiple revenue streams

The CO2 Certificate market

Carbon credits create a monetary incentive for companies to reduce their carbon emissions.

Those that cannot easily reduce emissions can still operate at a higher financial cost. Carbon credits are based on the "cap-and-trade" model used to reduce sulfur pollution in the 1990s.



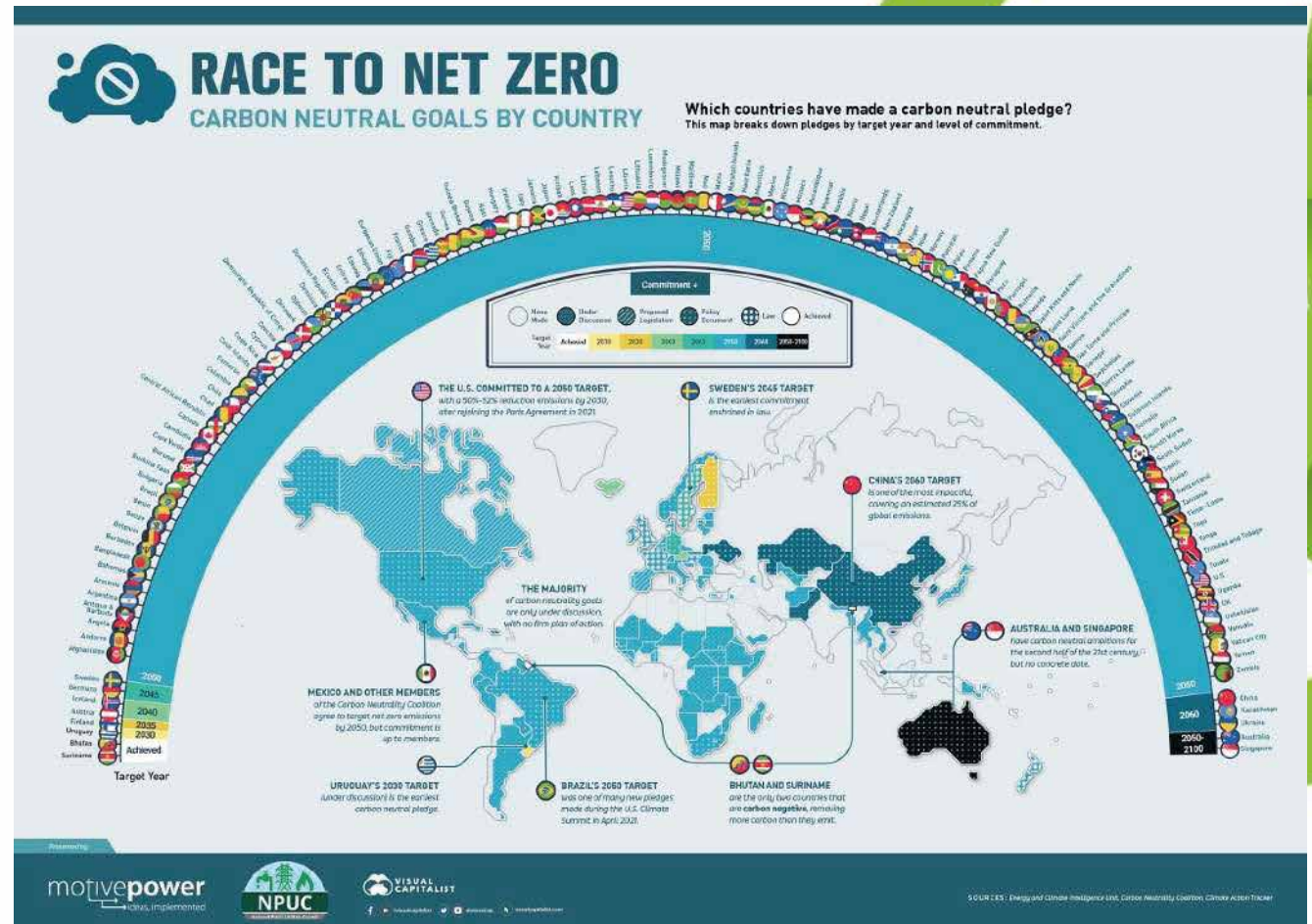
"A rapidly growing global market worth billions"

The CO2 Certificate market

Meaning of Net Zero Emissions

Achieving zero emissions means that some greenhouse gases are still released. Still, these are offset by removing an equivalent amount of greenhouse gases from the atmosphere and storing it permanently in soil, plants, or materials.

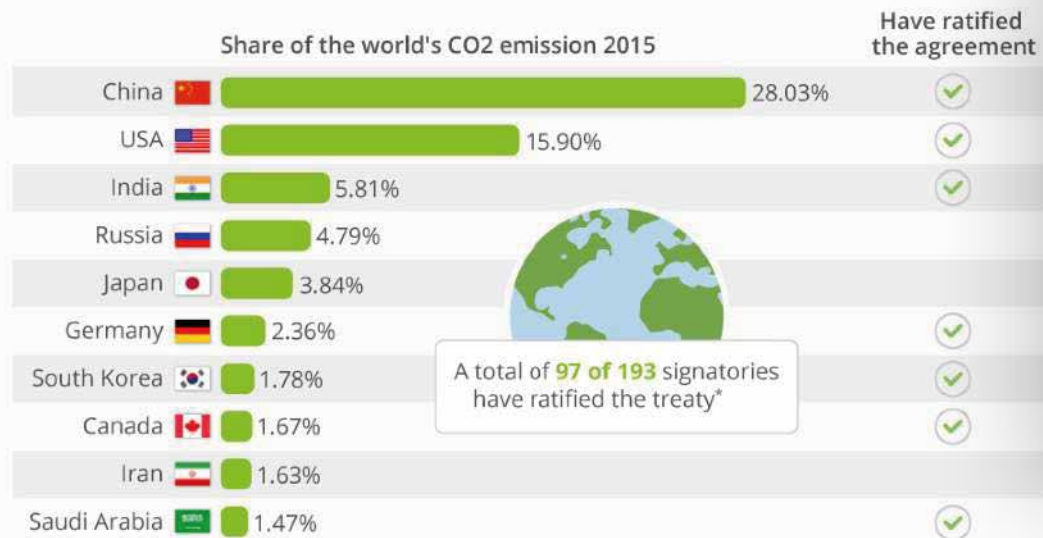
Means: CO2 certificates are developing into one of the most sought-after "products" worldwide!



The CO2 Certificate market

Paris Climate Agreement Comes Into Effect

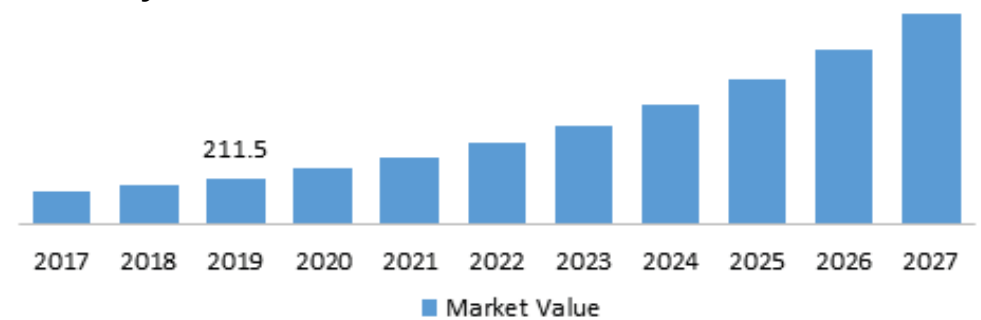
Top 10 CO2 emitters worldwide and status of the Paris Agreement



* as of November 2016
 @StatistaCharts Source: Germanwatch/EIA, United Nations



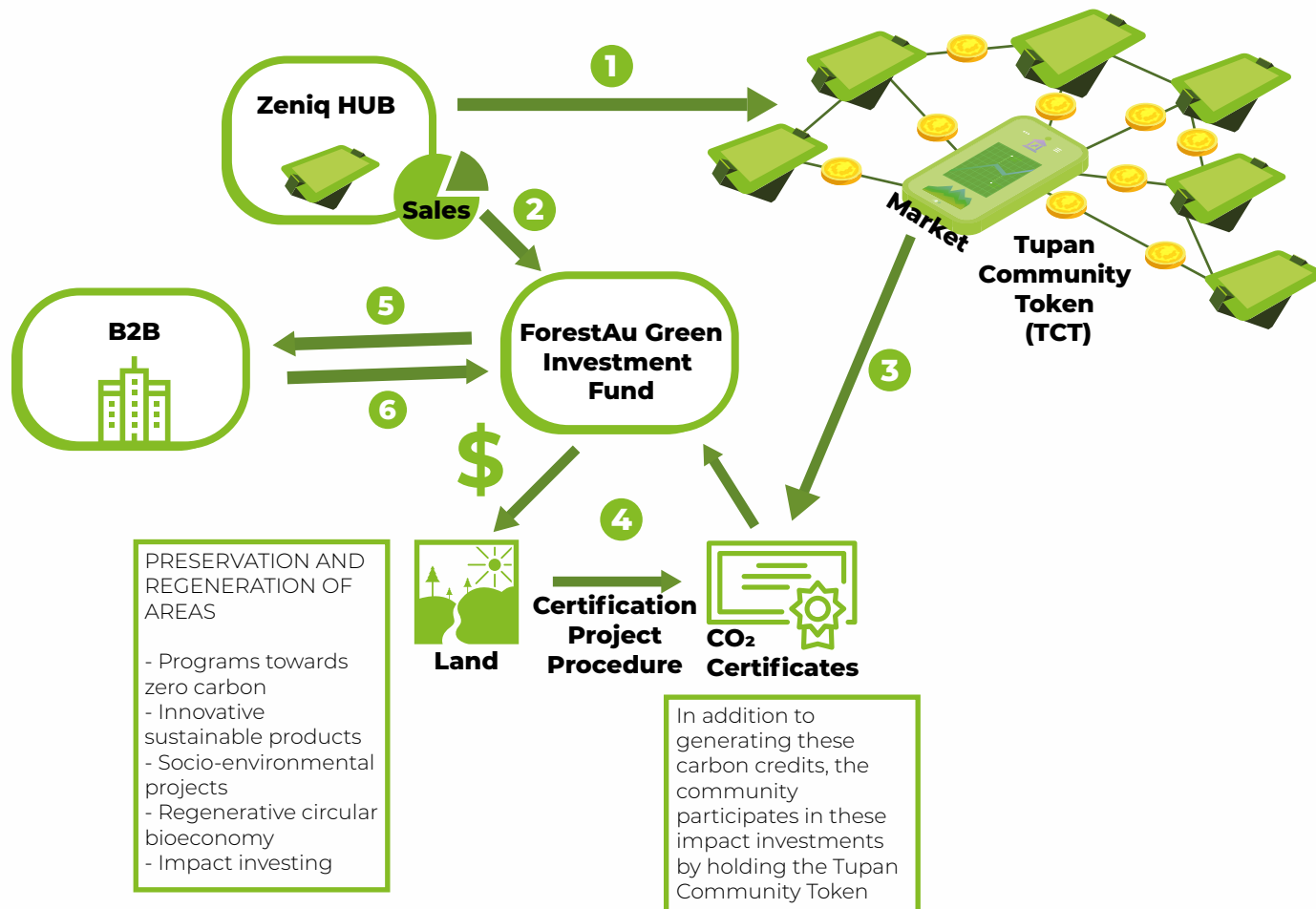
Global Carbon Credit Market Value (US\$ Bn) Analysis and Forecast, 2017 - 2027



Source: Coherent Market Insights

The global carbon credit market was valued at US\$ 211.5 Billion in 2019 and is expected to reach US\$ 2,407.8 Billion by 2027 at a CAGR of 30.7% between 2020 and 2027.

Mechanics for the price development of the TUPAN token



Profits made from trading CO₂ certificates **are used to buy TUPAN tokens on the exchanges** (from the market).

- 1** The consumer buys the hub with the Tupan add-on and joins the Tupan TCT Community
- 2** Part of the profits from the sales of the hub are applied in projects of preservation and regeneration of areas mapped by the investment fund forestAu green
- 3** The fund will accept tokens generated by the community in exchange of CO₂ Certificates
- 4** ForestAu invests in the purchase of land for carbon capture projects and issues carbon offset certificates that go back to the fund
- 5** These carbon offset certificates are tokenized and sold to the B2B market
- 6** ForestAu Green invests in companies and startups that work with projects of environmental compensation, carbon credits, environmental, financial technology, judicial and financial environmental recovery, regeneration, and commodities.