

TreeCoin

The CO₂ Cryptocurrency



"The case for TreeCoin"

Project Whitepaper

v.1.0

Released 10th April 2022

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CONTENTS:

1. Company Overview
2. The TreeCoin Project - Vision & Mission
3. Why TreeCoin?
4. How Does TreeCoin work?
5. The Economics of TreeCoin
6. Wealth from Long-term Tree Growth
7. Technical Overview of The TreeCoin System
8. Technical Overview Cont.
9. Your Income Forecast
10. How to get involved & The next steps for
TreeCoin

COMPANY OVERVIEW

TreeCoin Assets is an incorporated entity (Company) based in Australia, working with a team spread across the world.

The company was created by project founders Sylph Dominic Hawkins and Demian Natakhan in December 2020 as a vehicle to bring to fruition the vision and goals of the "TreeCoin Project".

Current Board of Directors:

Mr Sylph Dominic Hawkins (CFO)
Mr Demian Natakhan (CEO)
Mr Barath Kris (Director of Technology)

Company Title:

TreeCoin Assets Pty Ltd,
ACN: 646 805 307

Primary Registered Office:

Suite G-02, 60 Leicester Street,
Carlton VIC, 3053, Australia

Please direct general enquiries to:

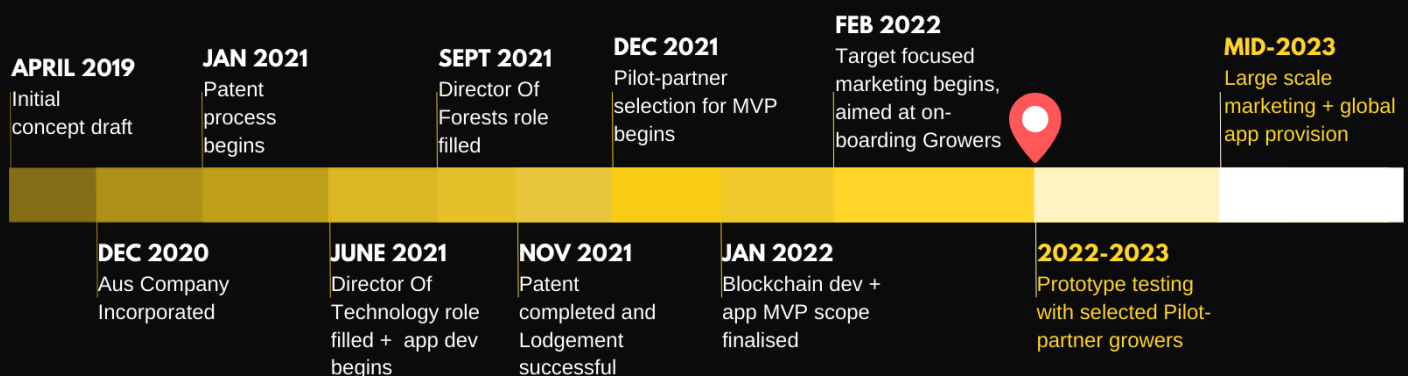
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Patent owned by Founding Directors
Sylph Dominic Hawkins & Demian
Natakhan

Patent Pending # 2021903735

PROGRESS ROADMAP



THE TREECOIN PROJECT

VISION & MISSION

The TreeCoin Project is the broad term for our particular idea of how to reforest the Earth by incentivising individuals to take part in a financial system which rewards long-term forest planting and other forms of Carbon draw-down activities.

Our vision is a functioning global currency whose asset is directly tied to real-world auditable Carbon Drawdown. Accessible by any human-being with a smartphone device, allowing them to directly take part in wealth creation without the need for intermediaries.

The Project's primary goals aim to bring about:

- A form of transact-able currency which is backed by the real-world asset of proven Carbon Dioxide drawdown (both helping to achieve climate and Environmental stability and diversifying economic opportunities world-wide).
- An opportunity where there is a positive financial incentive for individuals around the world to plant trees and take part in the system, reducing or eliminating the need for large, expensive centralised "tree planting work projects" funded by government tax revenue or money printing credit.
- A global market of Carbon Sequestration token trading, whereby the activity of Carbon Sequestration becomes extremely profitable in and of itself and is available to normal citizens as well as small, medium and large corporations.
- An opportunity where anyone with a smartphone can participate in direct asset and wealth creation through the platform (estimated to be approximately 3.5 Billion people as of 2022).
- A chance to show that financial activity and environmental stability can work hand-in-hand when the underlying financial asset is something which lives and naturally provides positive outcomes for Human-kind.

TreeCoin's Mission

TreeCoin is a project driven by a mission to reforest the Earth, distribute economic opportunity to all Human-kind and stabilise the relationship between Carbon in the ground and Carbon in the air for the benefit of future generations.

We're monetising Carbon Drawdown worldwide, for everyone.

We make carbon auditing cheap, accurate, transparent and universal.

We create a modern cryptocurrency experience which is fun, easy and accessible.

TreeCoin's Big Goals

Within 10 years, half the world's population uses TreeCoin as the coolest currency

Within 15 years, 1 billion hectares of forests worldwide create Treecoin.

By 2050, our forests achieve more than 300 Giga tonnes of carbon drawdown which gets us on track to re-balance air and ground Carbon ratios.

"Great people using beautiful tech to do awesome things"

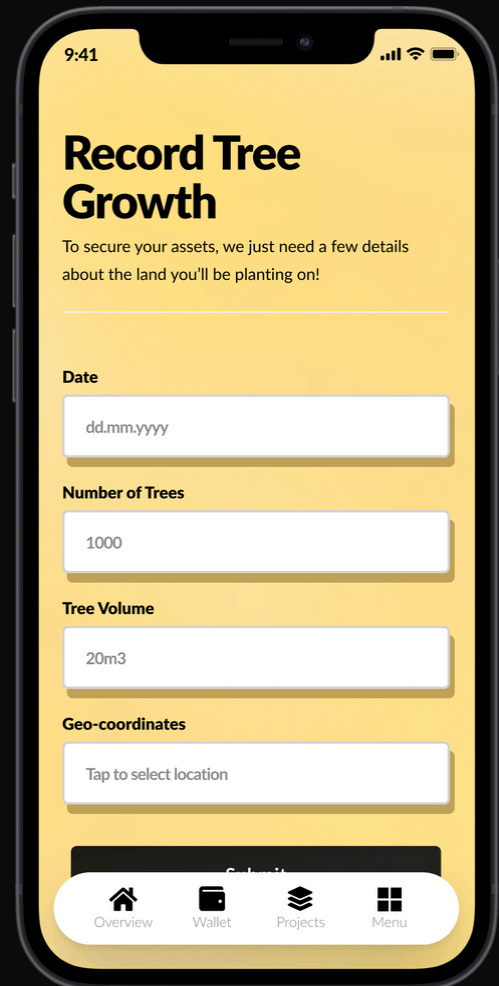
WHY TREECOIN ?

We believe that there is a clear need for a system like TreeCoin to exist in today's modern world. When we looked to find a system like it, we couldn't find one and so we decided to build it ourselves.

When we looked around the world we identified these key needs:

- A way to stabilise global weather stresses and to restore balance to the Air/Ground Carbon ratio.
- A way to simultaneously reduce new Carbon emissions and increase the draw-down rate of existing air-Carbon to restore a ratio that will suit Human-kind longterm.
- A way to increase the utilisation and support of the existing natural systems for this process (primarily through forests, soil and oceans).
- A way to provide financial market stability to allow emerging and mature markets to be able to have confidence in a transact-able medium.
- A way to bridge the gap between the Digital and Tangible world
- A way to extend the opportunity to take part in wealth-creation and an improved standard of living by using existing technologies and infrastructure.

TreeCoin brings these forces together in a universal currency to create a compelling way forward.



*"we couldn't find an existing system that did all of this,
so we set about inventing one ourselves"*

HOW DOES TREECOIN WORK?

TreeCoin aims to be the world's most trusted and transparent Carbon auditing software with a public Blockchain ledger that anyone can view and check.

It allows anyone with existing forest assets and sites to use technology to quickly and effectively audit the forest growth changes over time and then realise the Carbon drawdown potential in Digital Tokens that represent 1Tonne of CO2 equivalent.

1 TreeCoin : 1 Tonne CO2e

You have complete control over the tokens that you receive and 100% custody of them.

The TreeCoin system rewards the movement of excess atmospheric carbon dioxide back into forests and soils.

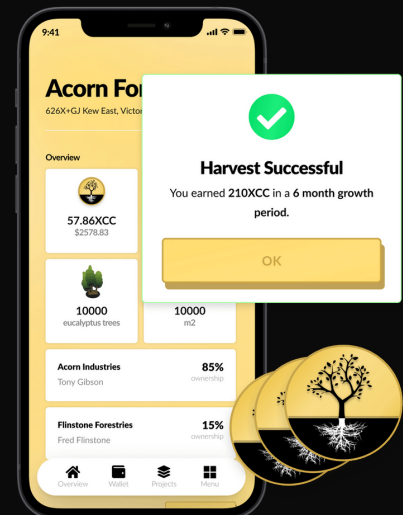
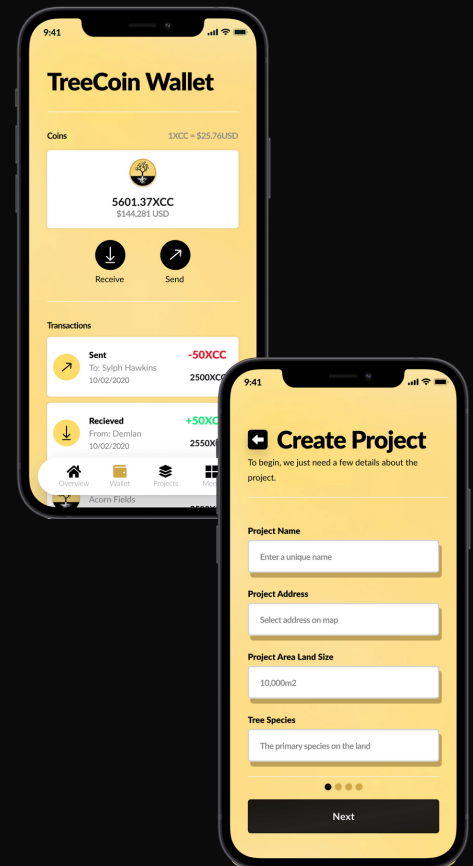
The system will be freely accessible to all individuals and companies in all countries worldwide for the broadest possible uptake and the TreeCoin running costs are covered by a 1% commission fee on all tokens generated from a successful audit.

The user's wallet stores the TreeCoin and the user will be able to:

SPEND: Exchange with other users for goods and services

SAVE: Benefit from future growth in the currency value

OFFSET: Carbon emitters purchase TreeCoin and transfer it to an offset wallet where it can not be further transferred, sent or sold on.



"TreeCoin is a software tool which takes Forest growth data and converts it into digital tokens which represent real-world Carbon Dioxide sequestration."

THE ECONOMICS OF TREECOIN

Human-beings use objects to represent 'a store of value / store of work done' and a 'promise to do something in the future' and we call this money.

Modern currency is actually a derivative of money, being that currency itself is supposed to be a "more transportable, easier to carry and transact with" representation of the thing that we have gained from actual work performed.

Let's say that you were a fisherman, and you were able to go out fishing each day and catch 5x fish.

If your family only needed to eat 3x fish per day, then you would begin to build up a 'savings' of 2x fish per day.

Pretty soon you would have a chest full of fish which were your real-world 'representation of work performed'.

If this thing that you've managed to produce is something that is valued by other people as a 'desired good' then you might be able to convince other people to accept some of your fish in exchange for things that they can do / services that they can perform.

If everyone in a society feels confident that everyone else wants 'fish' on a daily basis and that they can use 'fish' as an intermediary for transactions which actually have nothing to do with 'fish', then we stumble upon the initial markings of 'money'.

Eventually it becomes too cumbersome to carry around boxes full of 'fish' and so society creates 'representations of money' which we call currency.

These are usually a lot smaller, lighter and more transportable than the underlying 'thing' that they represent.

Throughout modern Human history the assets which underly our financial currencies have become increasingly static, dead and non-productive commodities.

Precious metals and Gold look wonderful but do not inherently provide for Human beings in a life-sustaining way.

Barrels of Crude Oil might be very useful for making other products, but the barrels don't 'do anything' while sitting in a warehouse waiting to be moved around.

Even BitCoin doesn't provide benefits 'inherently' just by existing since it is a representation of 'work done to solve computations'.

The TreeCoin Project idea is to replace the underlying 'asset' which the currency represents with something that provides a life sustaining benefit to Human society even while waiting to be 'moved or traded'. We call this a 'Living Asset'. We merge the real-world 'store of work performed' with the genius ease of transaction which cryptocurrencies provide.

Our idea is that since Trees can draw-down Carbon from the atmosphere, and while doing so provide breathable oxygen, we could use that as 'a store of work performed' / 'a store of value'.

As the trees grow they store much of this atmospheric Carbon in their wood tissue and increase in size.

TreeCoin uses the increase in tree size to calculate how much Atmospheric Carbon the tree sequestered over a given time period.

We use this as our form of 'store of real-world work done'.

We then produce cryptocurrency tokens as a more easily usable and transact-able representation. We call these tokens "TreeCoin" (XCC).

Welcome to The TreeCoin Project



WEALTH FROM LONG TERM TREE GROWTH

Longevity is rewarded.

The TreeCoin Project is designed to accommodate all types of users on the platform, from individual people to large corporate teams as well as Government bodies.

Current global Carbon Credit Schemes often focus on projects with a 25+ or 100+ year contracted timeline, and aren't established to audit or reward Carbon Draw-down work done by users in the <25 year period.

Since one of the primary goals of TreeCoin is the reforestation of Earth, long term forestry holding and retention is what we want to encourage, but we also acknowledge that trees which are growing for <25 years still have an opportunity to provide valuable Carbon banking during their time if they can be correctly audited and reflected in the system.

The problem becomes; how to incentivise long-term forest growth and retention while opening the platform to all legitimate users as well.

Our solution is the '3x Tiered Token Value plan'. **TreeCoin comes in 3 different types of tokens, named XCC Gold, XCC Silver and XCC Bronze.**

The market will determine the relative price difference between the token types, and TreeCoin will manage the auditing confirmation of who can produce Gold/Silver/Bronze tokens.

Initially, when a site is first established in the TreeCoin system, *the XCC which the site generates will be XCC Bronze.*

If the site continues to provide audits and continues to grow in total tree volume over that time, then *after 10 years the site will be updated to a "Silver tier site" and all XCC tokens produced from the site will be XCC Silver.*



If the site continues to submit audits to the TreeCoin system and continues to increase in total tree volume over that time, then *after 25 years the site will be updated to a "Gold tier site" and all XCC tokens produced from the site will be XCC Gold.*

Having eliminated the overhead cost of complex landowner contracts, regulation and penalties, TreeCoin uses smart incentives to achieve long term drawdown at a fraction of the cost of old school carbon markets. This also ensures all kinds of tree growers can sign up without worrying about onerous contracts tying them into penalties for removal of trees.

Growers can choose to keep their forests standing in response to attractive market returns for doing so.

XCC Gold will emerge in our platform in 25 years time, and will be in short supply. Further higher value bands will be launched including additional tokens for up to 100 year long holdings. This is a powerful incentive for keeping forests in place long term as ecosystems as well as carbon stores.

TreeCoin rewards longevity and enables the market to value long term carbon storage, we do this by using a three-phase minting system that clearly shows the market the inherent value of long-term and stable growing areas.

Future features will further incentivise landowners/growers.

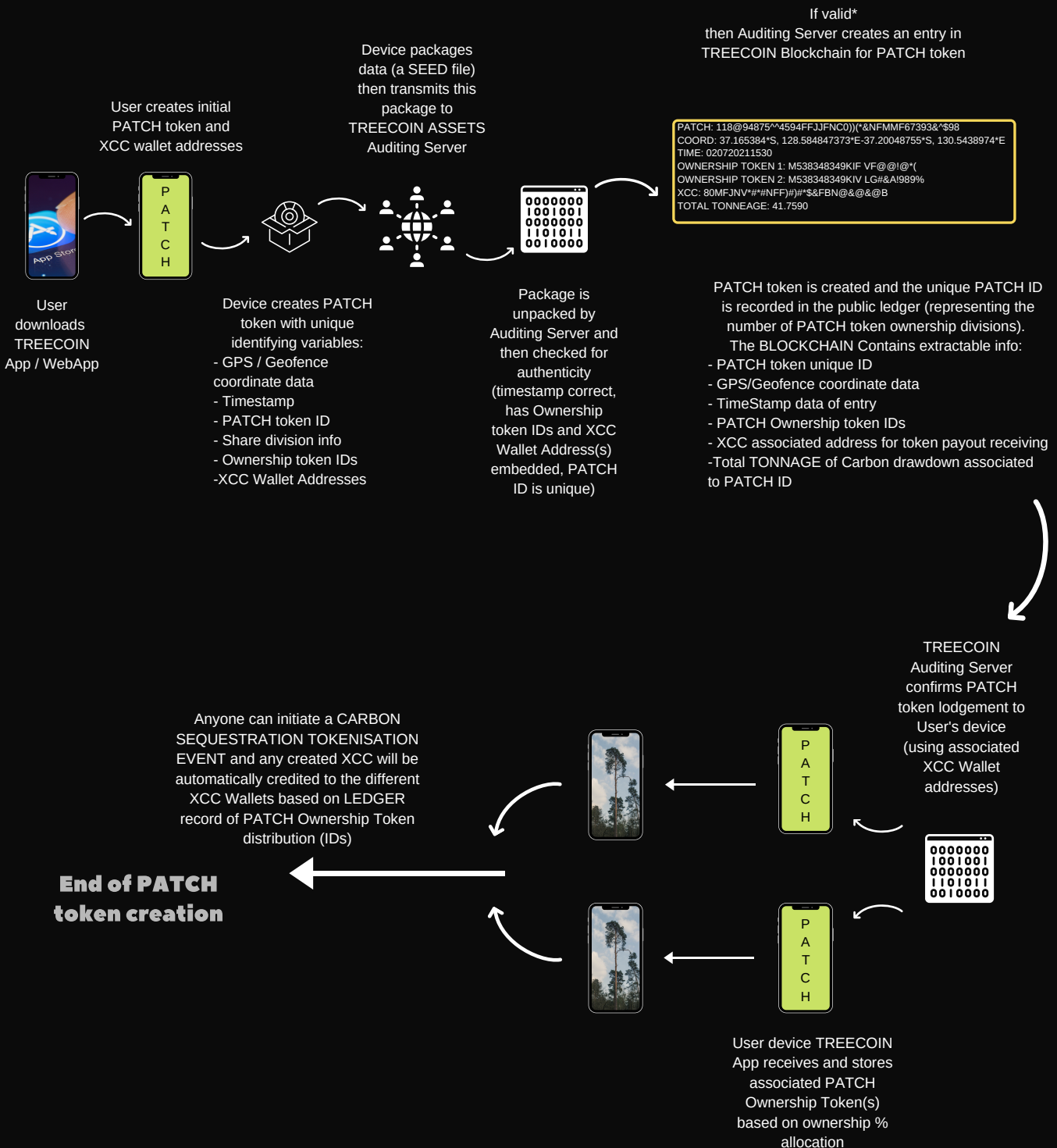
TECHNICAL OVERVIEW OF THE TREECOIN SYSTEM

The TreeCoin Project consists of a front-end (User interface and input/output portals) and a back-end Application Programming Interface (API) calls from portal to Blockchain core and server functions). We'll look at the first primary functions on the next few pages as examples of the Blockchain calls.

The functions can be divided into summary "blocks", each performing a key function.

First, the process of creating PATCH tokens and associating Geolocation data to your project + Ownership Token distribution (share % of the project revenue)

Initial creation of PATCH token

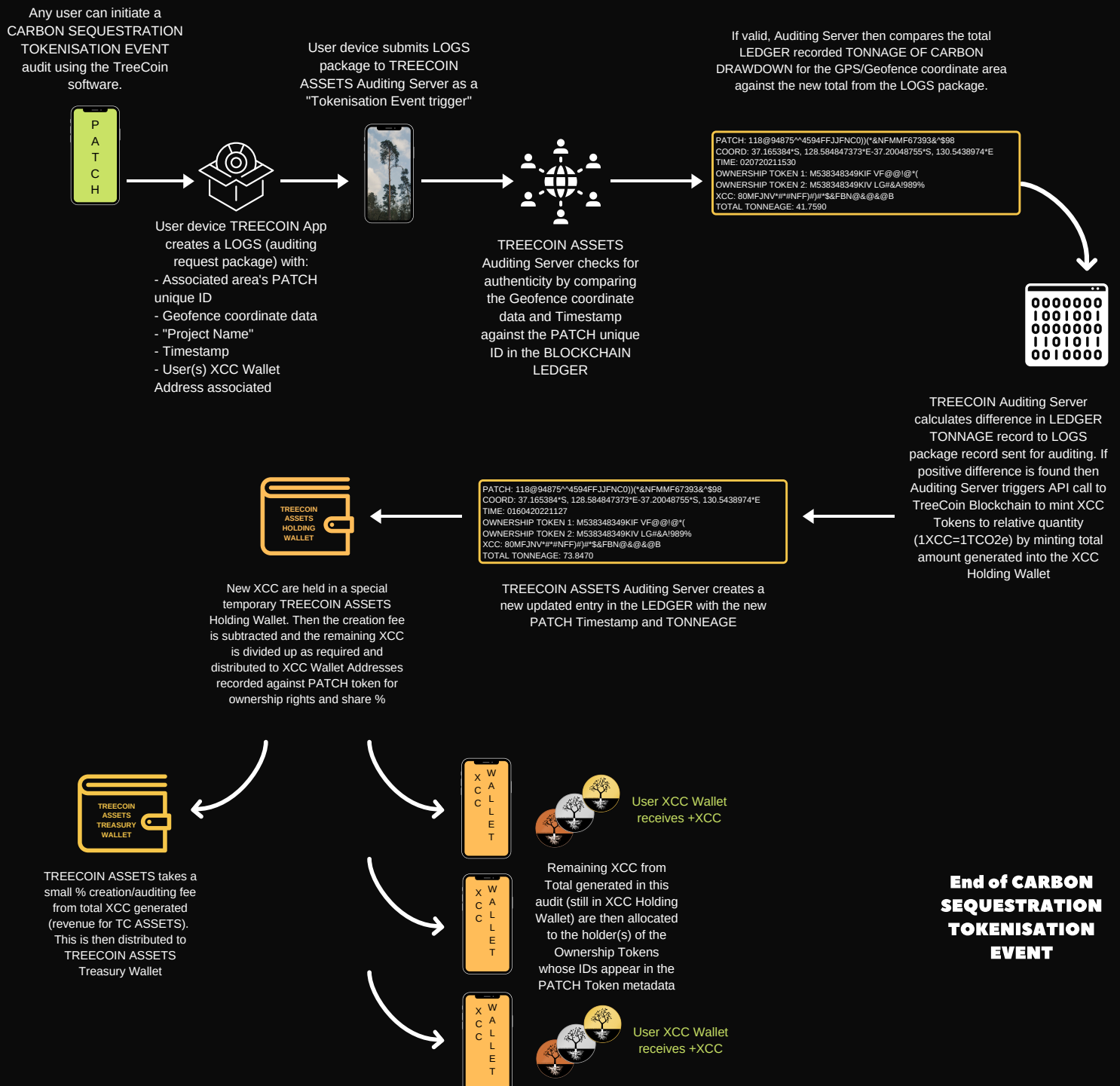


TECHNICAL OVERVIEW OF THE TREECOIN SYSTEM CONT.

The next major function is the auditing process that occurs at a "Carbon Sequestration Event" trigger. The following diagram is a basic flow-process of how this functions in a human-readable way.

There are also functions for standard Cryptocurrency features including Wallet functions, send/receive, *Offset Wallets, PATCH ownership token send/receive, PATCH smart contract amendments, and so on.

CARBON SEQUESTRATION TOKENISATION EVENT



"Value backed by outcomes, not promises"

YOUR INCOME FORECAST

Growers earn each time they measure and confirm sufficient tree growth using the TreeCoin system, for example every 6 months.

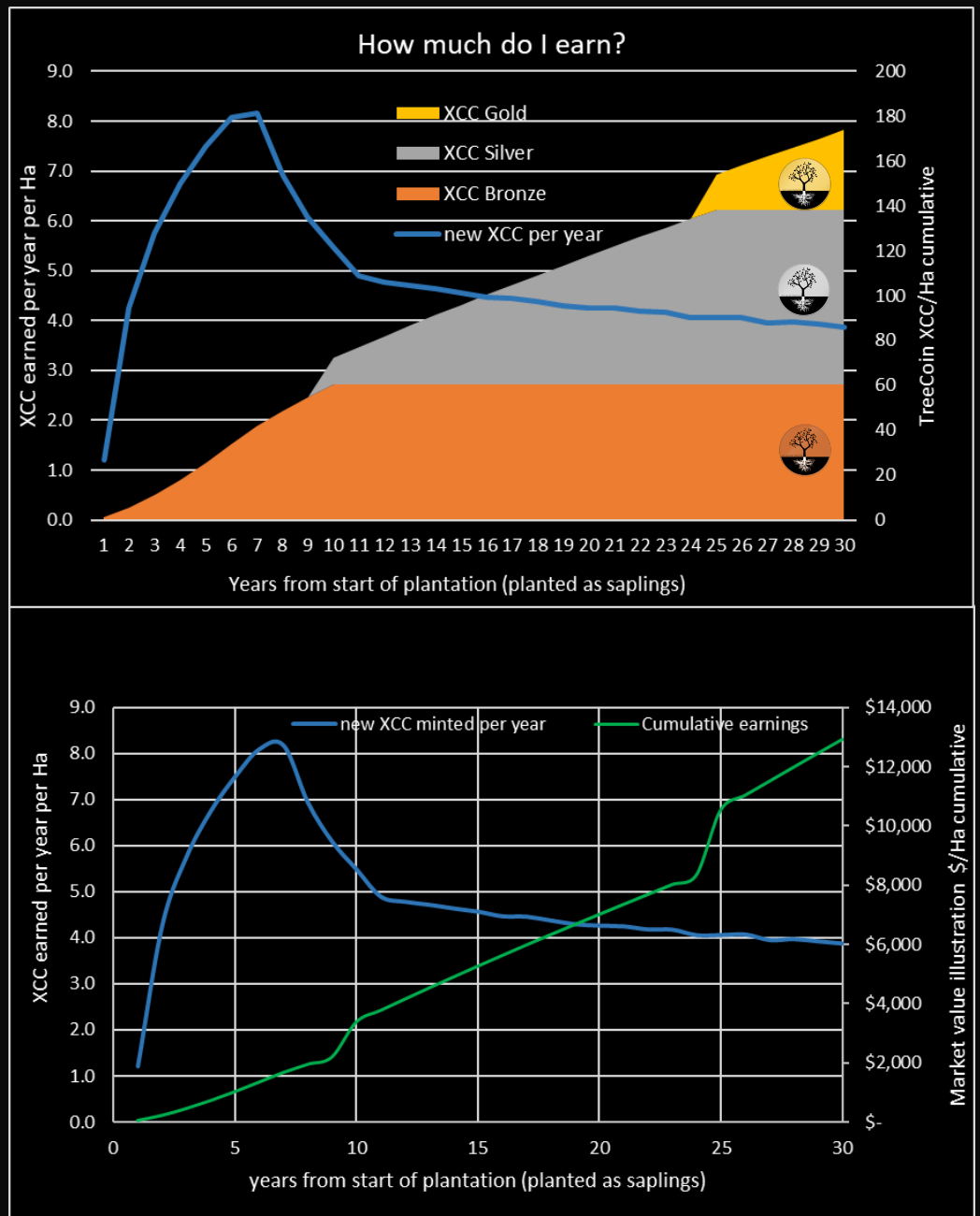
The market value of TreeCoin tokens (XCC) has a floor price of carbon credit values, and a much higher upside driven by corporate and community demand.

For illustration, if the market values bronze TreeCoin at \$40USD, silver at \$80USD and gold at \$120USD, the following revenue could be earned by a grower from 1 hectare of forest (100m x 100m area).

To reward landowners for longevity of forests as 'carbon banks', *bronze coin saved by the landowner from any trees which grow longer than 10 years is automatically upgraded to Silver coin.*

Similarly any coin a landowner holds for 25 years from trees which grow beyond 25 years is automatically upgraded to Gold.

**The revenue illustration here assumes the landowner saves 20% of their coin for upgrading events and sells off the remaining 80% each year.*



References: Carbon Sequestration rates from revegetation of South Australia, DEWNR

HOW TO GET INVOLVED

NEXT STEPS FOR TREECOIN?

Like what you see?, want to jump onboard?

We are a growing company with a big vision, pulling in resources around the world to achieve our key goals.

There are different ways to get involved with The TreeCoin Project depending on how you want to take part. The TreeCoin Project needs:

Growers - Boots on the ground tree-planters who either own the land or partner with landowners.

Purchasers - Companies, individuals and Governments who want to purchase XCC to hold as a form of Carbon Emissions Offset.

Investors - Resources & Capital to scale up the reach of the project worldwide and to improve the functions and features.

Support Staff - The Human component of the system who manage, maintain and develop the foundation Blockchain and TreeCoin administration systems.

We are in our MVP pilot testing phase and are hand selecting Growers, Purchasers and general users to test the app, processes, wallet and system. If you want to get in on the action in this Beta development phase contact us.

Get in touch with us at:

marketing@treecoin-assets.com

What are our next steps from today?

At the date of this paper we have come a long way and have completed the design and prototypes of the version 1.0 of our app.

The development has just been signed off and we expect to have a working block-chain enabled product before the end of 2022 ready

We're very pleased with the progress that TreeCoin has made so far, and we have identified our clear next steps to move the project into a more wide-reaching audience:

Scale the project to include more countries

Develop in-ecosystem NFTs for growth rewards

Multi-language translation and localisation of the app/documents/website

Engage Cryptocurrency exchanges as on/off ramps between fiat/XCC

Build global advisory panel of Carbon, Forestry, Economics and Blockchain experts

Invest and grow with us as we redefine what it means to value our climate.



"Changing people's relationship to money and climate, for the better"