A De-Fi Model to rescue architectural needs, public space and other facilities in rural areas in Chimborazo, EC.

PROBLEM STATEMENT:

Low Architectural living standards in the andean plateau of Chimborazo, Ecuador.

Challenge

To create A De-Fi Model to build and rescue vernacular - andean architectural spaces, public space and other facilities in rural areas in Chimborazo, EC.

- *Development of a line of eco-friendly low cost products for interior decoration.*
- *To build a WEB 3.0 Cluster in which new ideas can merge and be oriented to help those who live in vulnerable positions so they can't afford hiring professional designing, planning and construction services via social interest calls.*
- *To create a functional token (KUNA) Aimed at raising funds and giving incentives to the community in order to bring external monetary value into the local communities via a research and educational program.*

Problem statements

Why does the countryside present higher indices of inequality and extremely low standard of living in terms of architectural places. ?

How can new projects emerge and be financed in physical territory relaying on web 3.0 and blockchain technologies?

How can we rescue andean vernacular architecture with danger of disappearing; Is it worth it ?

What are those strategies to get a fully developed community using Blockchain Technologies capable of making decisions towards helping build social interest housing, public spaces and other facilities among the rural territory.

Making great problem statements

Local governments do the best they can to get their goals manifested into reality. Nonetheless, most of the time they lack the capabilities, set of mind or even the tools to get all the needs covered across small communities that have formed in the peripheries and the rural areas.

There's a significant number of people that live under extremely high indices of poverty and inequality. Lack of drinkable water, access to healthy food, health care, employment and opportunities.

Desired Outcome	We want to create a platform in which we pretend to connect those who want to help with those who need it through the creation of a web platform that receives requests, design proposals and execution plans that allow the organization offer volunteer campaigns for construction, designing and planning of the winning project that has to be chosen by the members of the community.
Blocking problem	In some rural parishes the poverty index is so high that more than 90% of its total population lives under poverty conditions. There is little access to technology and they have little or no connectivity at all. Computer illiteracy in rural areas is even greater among older ages.
Costs of the problem	The province of Chimborazo is the poorest area of the Ecuadorian Sierra. It is paradoxical because it is the richest population in natural resources due to its immense amounts of water coming from its multiple springs and irrigation channels.
Evidence	Diagnóstico Quimiag.pdf https://www.flacso.edu.ec/portal/files/docs/artlmcapital.pdf https://www.elcomercio.com/actualidad/chimborazo-zona-pobreza-sierra-agricultura.html

In conclusion

Chimborazo is the poorest province in the Sierra and the third in the country. 48 out of 100 people live with less than USD 2.83 a day, making it almost impossible to even think about hiring a professional service to build new housing or comunitary infrastructure. For that reason a new model for building social interest housing is needed. Not only that. We need to create a cluster for innovation in which those who live under bad habitable conditions can make their place a little bit better. The need for basic infrastructure like access to drinkable water is prevailing despite the fact that water is the most abundant resource. The highest indice of child's bad nutrition despite the fact it's territory rol is mostly agricultural productive.

SOLUTION

There's the need for bringing monetary value to the communities so new projects can emerge. That way through a De-Fi Ecosystem opens a chance to experiment the new functionality coming from the web 3.0 and Blockchain technologies. Current gubernamental systems lack the capabilities to get solve all the community problems opening a sector for private investors and volunteers who are seeking to get some building or restitution project manifesting its way onto reality.

By creating a WEB 3.0 page that merges people, proposals and cripto incentives a DeFi model emerges in which new value can be created and transferred. We also seek to create a line of interior decoration products setting up a collateral for a new token (KUNA) where its value has to come for functionality which its main purpose is to raise funds to build or rebuild social interest housing projects, public spaces and other facilities. By establishing a line of products like NFTs Illustrations, plans, sketches, 3d moleging and others both digital and physical items like gym equipment or decoration items new value can   be transferred having an opportunity to sell this token in order to raise funding so we can give access to housing and land deeds, plans for construccion, technical direction and incentives in crypto assets that can be used to buy materials and pay salaries.

Also, it's extremely necessary to build a cluster for innovation able to conciliate all the different parties and individuals involved in planning, constructing and designing new projects aimed to solve bad conditions of architectural habitability in the region, lack of infrastructure and public spaces in the andean plateau of Chimborazo, Ecuador.

RELEVANT EXPERIENCE

This project is in the most early stages but we have already helped to start building one house thanks to the work of members of the community that help without expecting anything in return. Public contests and social interest callings are the method to get access to designers, builders and profiles that have some resources but can't afford the typical cost of hiring an architect or engineer and want to build a house. With the help of volunteers, students and teachers of architecture from the "National University of Chimborazo " that find joy in helping others we were able to start a couple of ideas that seek manifestation in reality.

> **Founder:** Hernán Barragán has completed his formation as an Architect and recently graduated from the UNACH (UNIVERSIDAD NACIONAL DE CHIMBORAZO).
> **Co-Funder:** Diego Calderón is an architecture student and already has the workshop needed to build a line of products that will help raise funds.
> **Software Developer:** Richard Garcia is the technical developer in charge of creating the new web platform that will be able to "Talk" to the ADA Blockchain.
> **Design Director:** Francisco Altamirano is an architect graduated from the UNACH who won the contest of the first social interest calling for the construction of the Casa de la cuesta, in Quimiag, Chimborazo, EC. Run his own office SCALA
> **Legal Advisor:** Mgs. Keevin Gallardo is a lawyer with a master in international politics and diplomatic relations.

PLAN IN DETAIL

This plan has three stages and seeks to be adopted at the same time that the basho y voltaire hardk forks are implemented on the main net of ADA. Keeping that in mind a set of goals are established so we can create an active community of members in which the organization has to be "formally" stablished on the official registry norms and terms of the constitution of Ecuador if a significant amount of liquidity is provided. Due to the fact that cryptocurrency is not a common medium of transfer value in this context we must convert to USD (Local Currency) so a new legal institucional banking account has to be opened and pay local government fees, plus commissions. Once a capital and the members become stable, we can proceed to the delegations of management to first start creating from scratch a functional web page able to talk to the blockchain of ADA so users can receive incentives or make payments directly via signing smart contracts when submitting their value, proposals or requests. That way authors rights, donations and transactions are visible for anyone hopefully forever.   Also we want to create a functional token (KUNA) at the same time that we carry a research on a fucus group for giving incentives as crypto assets for early engagement and test the whole ADA ecosystem making transactions, creating liquidity pools, minting tokens, farming etc.

To create an educational program in where we will be giving for free tokens to create new engagement in the community that will later be able to change to items of our own line or products, others cryptocurrencies like ada and ultimately USD. We can pay with KUNA Tokens for content creation that will be published on our official channels. The collaterals are established by all the income coming from Crypto Purchases, and a variable amount of percentage of local currency purchases of our physical products will also serve to raise funding on architectural projects.

> **Market:** The market is an unsatisfied target that has forever suffered from racism, inequality and poverty. We need to open a sector that views architecture as a decent place to live in, not as something to speculate on. Non profits organizations are needed for building, planning and designing in rural areas where the reality across countries is not that different.

> **Products:**
> Social interest calls for design social interest housing
> A Line of eco-friendly and low cost products for interior decoration
> $KUNA tokenomics
> Functional web builded from Phase 0 that serves as a cluster for innovation to summit and support new local rural architectural needs and election for proposals.

Due to speculations of lands and private housing projects, the perspective of standards of living are oriented from the urbal level point of view as privileged vs who live under poor rural areas in bad habitability conditions. By organizing volunteers, proposals and funds we can create a sustainable de fi model to build and rescue vernacular andean architecture.

Acquisition:

The acquisition will be made from the process involved in getting all the products up and running. We need to raise funds via the creation of a series of services and products that will be oriented to serve the local community hoping to expand even more into the future. We will construct a low cost gym dumbbells wich its production process has already begun and part of its earnings will be oriented to fund other architectural projects based in the needs of the rural communities located in the ecuadorian andean region. We pretend to orient funds to those who live under poor habitat conditions, regenerate public spaces and

help construct basic infrastructure. We seek to create a variety of cyclical communities that exchange goods and services with KUNA tokens that can be used to buy local items.

For that we will continue with our education mission oriented to teach about basic principles of DE FI by teaching concepts like wallets, staking, farming, minting, etc. Earning rewards in the process by creating educational content that will be paid with kuna. Kuna will have a fixed collateral that will be given by the percentage of earnings perceived as crypto assets coming for token purchases, ntfs, collections, services and physical products.

Monopoly:

No one has yet proposed something similar to this idea in our region. Other projects like EMPOWA have seen the impact that these ideas can have.

For that matter we are the only non profit organization oriented to build and rescue andean vernacular architecture in this part of the country that can be expanded in all the andean cross country regions. We will be opening up a whole new sector for innovation and development never seen before. By creating a course oriented to superior high school students in just 3 different courses we can have access to nearly 50 students or wallets that will serve as the initial universe in the field of this research experiment.
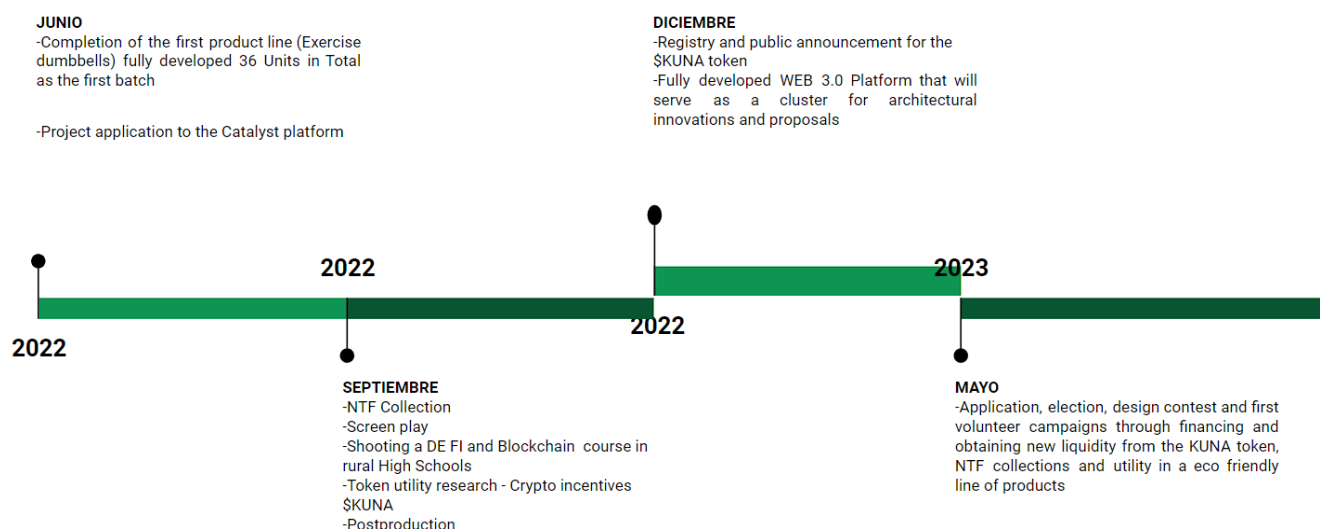
Show us the money:

Having access to a catalyst gave us the opportunity to raise 7500 USD that will help pay salaries for web developers, designers, planners and workers that will set up a line of products with a workshop located in Riobamba, Chimborazo EC. where 100% of the income coming for sales of physical items, NFTs, and other crypto services using ADA will be used as a fuel to collateral for our (KUNA) Token that has to be distributed according to a fully developed tokenomics which is yet under construction. (KUNA=DAR=TO GIVE) by liberating about 60% of the total supply we pretend to liquidate tokens earning value from the ADA ecosystems and that way helps solve architectural needs. Also a program for education is presented as a research of experimental behavior of new users and wallets in which they will receive KUNA tokens for Air Drop and Early Subscriptions to create interaction that can be measured and valued over time. A series of courses about the basics of the DE FI ecosystem and blockchain technologies will be provided in rural high schools to undergraduate bachelors where they will create an ADA Wallet and receive KUNA Tokens.

Road map

As mentioned before we have already started building our first house named after the community as "Casa de la cuesta" This project is the result of our first "Convocatoria de interés social" where the requisites and previous studies for a local user were given and one design product was chosen. We have run out of resources and we need to seek new strategies to help raise funds so we can make more and new local interventions and finish our already started projects. We hope to start building other low cost architectural projects among the rural plateau of Chimborazo this year and also in the next quarter have started our educational program on high schools of rural areas within the region. If monetary value

as utility is created we will be using those resources to fuel our token to gaining value over time.

JUNIO
-Completion of the first product line (Exercise dumbbells) fully developed 36 Units in Total as the first batch

-Project application to the Catalyst platform

DICIEMBRE
-Registry and public announcement for the $KUNA token
-Fully developed WEB 3.0 Platform that will serve as a cluster for architectural innovations and proposals

2022

2022

2022

2023

2022

SEPTIEMBRE
-NTF Collection
-Screen play
-Shooting a DE FI and Blockchain course in rural High Schools
-Token utility research - Crypto incentives $KUNA
-Postproduction

MAYO
-Application, election, design contest and first volunteer campaigns through financing and obtaining new liquidity from the KUNA token, NTF collections and utility in a eco friendly line of products

IP

83a1544f586dec89ff7531813af72b41838a6bd0b95e0c4d99b9ab6a

Defining success

To have created a fully functional web page that will help serve as a cluster for local innovation in terms of covering architectural needs across the andean region of Ecuador. Designers, planners and builders could join a series of projects that seeks to create cyclical communities that receive incentives and transfer value using the ADA ecosystem.

In conclusion

We need to find a way to Raise funds to build architecture in the rural region of Chimborazo, EC. Via the creation of a NTF Collection and the development of a line of eco friendly low cost products for interior decoration we can generate some income with some of that utility value used for funding architectural proposals

By building a WEB 3.0 Cluster in which new ideas can merge and be oriented to help those who live in vulnerable positions so they can't afford hiring professional designing, planning and construction services we are helping to reduce the inequality and poverty seen by generations over generations.

We have to find a way to create a functional token (KUNA) Aimed at raising funds and giving incentives to the community in order to bring external monetary value into the local ecosystem via a research and educational program.

Attachments/links

https://www.instagram.com/mision.arquitectura/
https://misionarquitectura.es.tl/
https://www.facebook.com/misionarquitectura
Diagnóstico Quimiag.pdf
https://www.flacso.edu.ec/portal/files/docs/artlmcapital.pdf
https://www.elcomercio.com/actualidad/chimborazo-zona-pobreza-sierra-agricultura.html

Tags

#misionarquitectura #misioneducacion #RuralDevelopment #$KUNA