Elixir Protocol White Paper Draft

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Executive Summary

This project establishes a decentralized Network on a distributed Blockchain ledger, utilizing digital tokens to represent commodity value exchanged among Network participants engaged in waste management, energy, food, and financial services transactions benefiting emerging and Third World poor populations.

A primitive network already exists allowing exchange of garbage for food credits at 12 locations in Colombia. Our Network initiative is aimed at facilitating the exchange this Colombia program, Bancalimento, administers. Currently the ledger on which their transactions operate is a simple analog process. Members collect and turn in garbage for credits registered on a card, which cardholders may then redeem for food items offered by a food dispensary administered as part of the program. The garbage collected is not currently used for energy production. Accumulated food credits are not easily traded among members. Commodities and services included in their offerings have not yet been expanded to allow for garbage/food credits acquired at one location to be traded to support any economy beyond localized food transactions, nor even to allow trading credits among any of the other 12 program locations. Credits are simply not easily exchanged outside the basic infrastructure of one local garbage-for-food dispensary.

Our project will also integrate with another pilot project located in the Dominican Republic. MIRSA is a state of the art garbage disposal incineration facility, producing heat, not currently used for energy generation. The MIRSA plant facility could benefit from the collection of separated additional waste as feedstock for eventual energy production.

We will collaborate with MIRSA in order to implement electrical energy production by the installation of conventional combustion/ turbine, gen-set coordination, for direct electricity generation as well as production of biofuel through pyrolysis of combustible organic waste material. Electrical energy needs to be utilized when produced unless it can be stored (batteries, for example) which is often cost prohibitive. While larger electrical energy facilities usually transmit the electricity produced to the grid, such an operation would require additional significant capital investment and an extended approval process involving satisfaction of complex and protracted government regulation parameters.

The waste-to-energy generation aspect of our project would enable such electricity produced to be utilized without connection to the grid. Instead, this electricity would power computer processors to produce cryptocurrency tokens facilitating the Blockchain operation of the Network we are constructing. Energy credits, and biofuel, may thereby be commoditized, stored and exchanged on the Network, allowing for cross jurisdiction transfer of value as exchangeable energy credit tokens which may ultimately be traded for other tokens representing value in the form of alternative commodities, services and even currencies located in jurisdictions beyond where the electrical units of value were produced.

From Capitalism to Protocolism

At a 2017 Singularity University Summit titled Exponential Finance, Toni Lane Casserly described a shift in the fundamental structuring of society. She termed this shift "From Capitalism to Protocolism", describing a turning point in which computational code and defined standards for execution of code would be the governing standard versus the current top down system.
Elixir Protocol establishes a standard for a cooperative blockchain network that addresses some of the most vital human needs revolving around food security, waste management, energy production, & peer-to-peer trade in a cohesive circular economy. By using protocolism as a basis for the conceptual and architectural design of this Network, Elixir Protocol establishes a reproducible model and standard for the implementation and execution of this protocol beyond the initial pilot projects to any community and civilization that desires to implement a circular blockchain economy revolving around waste-to-energy solutions.

Simplified Vision

Accessible Financial Services, Expanded Internet Access, Enhanced Food and Energy Production, Distribution and Security.

This Business Model presents a cutting-edge structure believed to be one of the few genuine utility token projects touching all the bases to qualify as exempt from security registration. In this case, the token economy provided by participants transacting on the Network will allow a broader economy to thrive by utilization of the token as a functional tool to help realize growth of this Network, thereby facilitating the goals and needs of the community served by what were once just limited parochial exchanges, if they happened at all.

Elixir Protocol

Offering Cure-All Protocols Capable of Substantive Changes to the Economic Life of Developing Communities.

A Golden Opportunity for Transformation to Sustainable Economies of Exchange with Programmable CryptoTokens Utilizing Blockchain Ledger Technology.

Elixir Defined: noun

> i-ˈlik-sər
> : ... capable of changing base metals into gold;
> : ... capable of prolonging life ...
> : CURE-ALL
> : the essential principle

Overview

We are creating an integrated, yet truly decentralized, Participation Interest Network. It will be based on a Blockchain Utility Token transfer system providing cooperative third world and emerging communities with monetized renewable Waste to Energy, free enterprise solutions for prosperity.

One of the first strategic alliances our protocol will facilitate is a particular social enterprise project initiated in Colombia which combats poor nutrition, low incomes, poverty, and the lack of financial inclusion, as well as deficiencies in waste management. We will join with Bancalimentos, and the rural populations in the 12 Colombian communities they serve. This will be our target constituency aiming at the base of the pyramid.

Additionally, a Dominican Republic joint venture will ally with us to establish a model Waste To Energy, Blockchain Distributed Electrical Energy Network demonstrating our value proposition as we engage with a global online community in order to showcase how our platform can deliver Waste AND Energy solutions for emerging economies.

We offer a scalable business model displaying real world application of blockchain technology integrated with renewable waste to energy in an initiative utilizing Blockchain based Network solutions.

LIXR Tokens will be functional and conform as a Utility Token exchangeable on the Network's blockchain platform for electricity and any other of the Network's offered Waste to Energy project services. Specifically, the Tokens would be intended to provide access digitally to applications and services and commodities by means of a blockchain-based infrastructure.

Thus, the purpose of LIXR will be to facilitate the network protocol to be created and released by the Network and its affiliates, and organically evolve by the involvement of its participants, who would give it additional organic shape and content. The function of the LIXR Tokens will allow users to transfer and share goods, services and data, as well as to reward and incentivize sustainable decisions and behaviors in a decentralized manner utilizing blockchain technology and related smart contract services (collectively, the "Services"). These Services and software applications should be designed to complement certain commercial, charitable, social and scientific objectives aimed to promote transfer of data among the many potential users, Tokenholders, energy consumers and those administering renewable energy production and distribution ultimately fostering a purposely driven, cooperative community of participants who desire improved access to renewable energy production and distribution facilitated by decentralized blockchain ledger technology. Both incidentally and intentionally it is the aim of this renewable energy initiative to advance certain additional environmental, commercial and sociological objectives as part of its mission.

Introduction

In certain parts of Africa, the elder pastoralist might call a rustic crafted insignia strung together around his neck, a 'Chit', representing a store of value. This 'Chit' allows the old herdsman to relieve grazing pressure on pastoral grasses he works, culling less productive animals from his herd. Without this portable store of value, (out of the reach of the corrupt strongman or grasping official), the smallholder might have had no choice but to continue overgrazing his already trammeled, eroded patch of ground. Cattle represented by the 'Chit' might otherwise need to continue foraging on the sparse parcel. The old farmer might have had to hold onto the excess cattle, retained in the herd for its value, to designate his measure of wealth. The 'Chit' in this example is a device demonstrating tokenomics.
This is just one illustration of an informal money transfer system (IMTS), prevailing for centuries in developing countries. This " poor man's banking system" is still in operation today in Africa.

Whether known as Chits or Hawala, or any of various informal value transfer systems operating across the third world, the prevalence and functionality of these systems proves the adage 'where there's a will, there's a way'. Indeed, this intrepid spirit of resistance to barriers characterizes such coping structures, a tradition within which our efforts align. Particularly, the rural poor face prohibitively high minimum bank charges and other logistical barriers, still the modern realities at conventional financial institutions. It is this same inventive openness to creative solutions that fuels those behind emerging Crypto/Blockchain innovations. Such self motivated entrepreneurial spirit similarly drives us to come up with technological solutions we now offer to these same financially oppressed populations. Our innovations aspire to provide fast and cost-effective methods to solve the need for transparent and trustworthy trade settlements, efficient transactions of trade, accessible financing, inexpensive worldwide remittance of money and reliable stores of value for low-income people in the affected regions of the third world and among emerging economies. We have chosen to focus on helping communities which are currently outside the reach of many of the formal financial sector structures, disrupting certain legacy systems because of their anachronistic and oppressive limitations generally designed to benefit an elite few as opposed to the largely disenfranchised communities we aim to serve.

Mission

It is our thesis that technological innovations can improve upon ancient models of accounting ledgers and value exchange in many key contexts of third world economies seeking access to basic needs such as food, energy, information, communication, financial services and educational advancement. The existence of such informal systems* acknowledges exigencies calling for options alternative to formal accounting financial transfer systems, particularly for low income constituencies. Our mission is to address this need, and improve these services within the economies impacted by this initiative. Thereby, we accomplish advancement of sustainable ecological and economic change for the regions we serve.
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*It is beyond the scope of this introduction to detail the many nuanced ways in which informal systems continue to rise to the occasion for the needs of the unbanked, as they have for centuries. Nor will we be able to detail all the ways the tools of these informal systems yet fall short for the modern era.

Problem

The following video vignette illustrates the need we intend to immediately fulfill in service of an existing community of 12 offices operating in Colombia which serves as a simple exchange of credits entered on a physical ledger card enabling the swap of 400 tons of garbage collected monthly. The garbage collected is sorted and turned in by community members, in order to have access to needed food staples at established food pantry dispensaries. This admirable initial stage is a required first step in creating an economy not yet progressed to the point of tradable exchanges outside this one time hand-to-hand transaction. In fact the 400 tons of garbage collected each month has not yet begun to be fully utilized for any sustainable beneficial production.

Bancalimentos, lugar donde residuos sólidos son la moneda para comprar alimento [Place where solid waste is the currency to buy food] | Noticias Caracol - https://youtu.be/V66Qe1SukGI

Challenge

Most of the people growing food and transacting such trade, for example, in poor third world communities as those enrolled in the Bancalimentos program in Colombia are doing so on a scale just barely allowing them to feed themselves and their families.

Ultimately, another identifiable problem is that an increasingly larger portion of the population is trying to subsist on land that is now threatened by decreasing fertility, land fragmentation, erosion and climate challenges. As yields decline with fertilizer shortages and soaring costs of fuel due to inflation and supply chain complications, subsistence farming communities are increasingly impacted by higher production costs. Accordingly, larger areas of land are needed to be put under cultivation just in order to maintain even these subsistence levels of production. Of course, this leads to deforestation, habitat destruction, watershed degradation and desertification (the expansion of deserts into once arable lands).

Certainly, such decreasing agricultural yields creates a growing famine and obviously leads to declining economic conditions and ecological disaster. The reality is that for decades many poor communities have continued to fall behind on most measures of development. Such problems are intensifying.

All consumers will increasingly be paying more attention to food safety, sustainability and the origin of food. Many of those living in poor communities, including smallholder farmers upon whom those communities depend for local food, often have no collateral, lack credit history and because they live in often remote locations far from urban centers, lending and monetary transactions are particularly difficult. Most lenders find it difficult to evaluate risks and tailor loan terms to smallholders' and small business needs. Most conventional banks do not have financial products specifically for smallholders and micro businesses who have uneven cash flows. Farmers need money for inputs like seeds and fertilizer at the beginning of the planting season, and only have revenue once they monetize their harvest. Small businesses supplying these communities are likewise adversely affected by an inability to project and finance advance purchases. In short, poor communities need scalable financial solutions that address their local needs for inclusion.

[Bancalimentos improves the income of the rural population of Boyacá by "giving value to the solid waste generated by people exchanging it for financial products (nutritional insurance, food credit, savings) and basic necessities".]
https://aim2flourish.com/innovations/food-banking

Simply stated: price information, payments, accountability of inventory and goods can be managed more effectively with the blockchain; increasing efficiency and improving visibility of the food supply chain.

Vision: A More Efficient Solution For Needed Resource Distribution

We have seen that centralized economic systems are vulnerable to supply chain disruptions due to bottlenecks in production, resources, and distribution. Decentralized solutions diffuse such exposure.

Recent events have demonstrated the massive fraud, corruption and mismanagement inherent where power and wealth are concentrated. Whether centralized control is in the hands of oligarchs or politicos we will likely soon witness a monetary disaster bringing on the announced further centralization Reset planned for the existing financial system threatening dramatically to change even more the nature of life.

It is not news that the large-scale global framework of ever more centralized interdependency under the New Normal involves a promise of even greater totalitarian control to push an agenda destined to undermine personal freedom, dignity, and self-determination.

Whether one believes in a concerted panopticon, or an intentional new feudalism, even allowing that perhaps something sinister MAY NOT be purposefully going down, other than just we are living increasingly under conditions that allow opportunism to prevail against the interests of the poor and a diminishing middle class. Nevertheless, it's hard to deny that the existing global framework is already incredibly complex.

A Quality Economy As A Means To Fight Inflation?

The problem is not just too much money in the hands of too few. It may increasingly become apparent there are just too few goods, particularly of a certain sort.

What if another additional potential benefit from fostering our Network model is the incidental promotion of an economy parallel and alternative to the mainstream matrix that has largely left the poor underserved and unbanked? What if an alternative parallel economy could straight up compete with the mainstream economy for production and resources?
Our Network solution is inherently proactive. Instead of waiting around for other people to fix the crises our communities increasingly will face, regular people participating on our Network may become empowered to simply establish their own trade and production systems based on necessities, separating from the systems in the mainstream economy that simply ignore and work in their favor.

For example: Growing gardens, making trade items and forming local businesses -- expanded barter markets. Utility tokens on the Network provides the means in order to interact with other participants distributing solutions as new resources can be created. Accessible market prices are able to be discovered, and new trade is enabled, consequently overcoming availability issues occasioned by unstable and constricted global supply chains.

So what if participants on the Network build an economy focusing on quality? Consider further for a moment this: What if home based producers were given incentives by Network rewards and feedback loops to manufacture high quality long lasting goods?

Fighting Climate Change

What if the Climate Change we are fighting might involve fighting back against moronic Climate Change Fighters? Carbon control initiatives can be expected to ultimately force companies to produce lower quality goods with substandard designs in the name of "saving the environment." We've seen this with subsidized rapid rollout of many "renewable energy" modalities. Incentivized electric vehicles, as another example, emphasize certain counterproductive battery systems and designs. But, if products are low quality and break sooner because of short sighted standards and mandates, then replacement goods and parts need to be purchased sooner. More retail demand means more manufacturing which means more "carbon pollution" over time. The carbon emissions narrative is too often politically driven nonsense.

If people have long lasting items and are secure in their basic necessities, then what would fuel the consumerism and overspending that has added to inflation and laid waste to our environment?

The humanitarian mandate of our communities-based network drives its business oriented model to align the interests of producers and suppliers with end user buyers who can be Incentivized to promote cleaner alternatives. Through digital coordination, new economies are created— integrated, interconnected ecosystems of services and products serving efficiently the needs of communities that have largely been overlooked, or worse, exploited, by both so called capitalist systems as well as central planning.

Decentralization and abundance are the enemies of authoritarianism. Intervention of politicos and oligarchs would likely fall of their own weight as they would enjoy no monopoly advantage. Globalist centralization of a Great Reset could be expected to fail to gain traction as a Free Network could resist oppression.

The Elixir Network may allow participants to circumvent a wasteful establishment system thereby thriving in their own energetic economic model. This solution, based in free enterprise, would become organically adapted to the needs of the communities served because of secure financial and communication tools, feedback loops, rewards and incentives inexorably urging participants towards quality production. Essentially, protocols could be anticipated to drive the Network to a free economy of quality abundance and self-directed prosperity.

Ecosystem

The times are changing fast. What is so transformative about our Network's revolutionary blockchain innovations is that such a paradigm shift will not be driven by politics, rather the disruptive impetus is found in the underlying logic of each actor moving towards their own incentivized economic best interest. Network participants can be predicted to behave in pursuit of positive goals within a network designed to achieve higher values, such as ecological sustainability and economic inclusiveness. To induce such synergies and provoke network effects does not require political coordination or hands on managerial manipulation; indeed it actually bypasses nation states, politics, and centralized management all together, instead employing a modular, borderless transition. Every actor within the ecosystem begins first to become familiar with a simple digitized record keeping, like a debit card or cell phone minutes top up procedure. This can run parallel to the legacy double book entry written ledger system presently in use until the community gains confidence in the trustworthiness of incentivized exchange mechanisms and digitized accounting. Once increasingly more business transactions involve the new units of exchange and both consumers and vendors become acquainted with the token digitized ledger system functioning as a store of value and unit of account, it will begin to sink in. Users will begin to experience the efficiency, portability and limited friction, especially when they come to appreciate the built in incentives. Businesses get enrolled for benefits and people adapt, adjust and respond as if to frequent flier points, shopper rewards and discounts.

The long-term vision of our model will be guided initially and ultimately reduced to a series of protocols to ensure our network results in an economic organization with rules created by network members through a consensus process and then written into a set of smart contracts (run by computer code in the cloud). The resulting economies function within local communities, where resources are organized according to protocols agreed upon in advance and set out as open source software capable of modifications by member consensus. These self sustaining systems of organization will ultimately not be controlled from a central point. Through feedback loops as a means of aligning the individual with the group, an infrastructure of cooperation will be accomplished through localized (even when remote) interactions between members and signaling systems achieving self-organizing systems. (Such signaling systems are not unlike eBay, Uber or AirBnB reputational feedback loops).

The ramifications of such powerful transformative effects are to be found in new forms of economic organization. Beyond Old School systems of simple return on investment for private-sector enterprise, now all relevant value parameters are included in the design. Ecological sustainability and economic development will include laborers, producers and other small businesses, resulting in inclusive impact benefits to the broader communities of network participants.

The Network exchange of such functional utility tokens unleashes these developments. The new science of Cryptoeconomics, drawing upon features of game theory, will be deployed to design the flow of financial capital and supply chain information by programmable operation of smart contract incentives and token mechanisms delivering a more inclusive impact on livelihood within communities operating within our network.

Through distributed Blockchain ledger technology, and our other innovations, we harness the efforts of the many instead of the few, securing rights to property, reducing cross-jurisdiction trade related transaction costs, better aligning, and more efficiently incorporating participation of local agricultural and business communities into the global economy. Blockchain & Smart Contracts Blockchain is a decentralized, open, immutable and transparent ledger which allows secure transactions without a central authority. From the business perspective, it gives the ability to move value between peers. Our project aims to take transactions from just the localized confident interaction of hand to hand, eye to eye, and offer trustworthy interchanges in such important affairs of life as food, energy and other key exchanges of value indispensable for survival. Our protocols aim to expand simple localized transactions to wider fields of interaction. Because of blockchain, exchanges far afield can be even more trustworthy and efficient than traditional hand to hand trade.
The essence of blockchain is to maintain a joint and collective ledger of transactions, in a digital form across the entire network. This technology is based on a peer-to-peer network without the need for central computers, intermediary management and cumbersome transaction verification systems. Our protocols offer measures to deter denial of service attacks and other service abuses such as spam on a network by requiring some work from the service requester, which otherwise would mean processing time by a vulnerable single computer, as just one example of improved security provided by this available Blockchain technology.

Each computer in the network can participate in the transfer and authentication of transactions. In the case of blockchains, blocks operate within a trust ledger. The ledger is open to everyone but fully protected from unauthorized transaction creation. Furthermore, the validity of claimed transactions is strongly protected by the proof-of-work system. It means that after a certain amount of time it is simply not worth trying to manipulate the transaction. All transactions that were created from the very beginning of the existence of the blockchain until today are transparent. Each of these transactions can be reviewed and verified.

Ethereum is but one such open source, public blockchain based distributed computing platform featuring smart contracts functionally; Bitcoin blockchain is the largest, most stable and established and will ultimately, we believe, prove to be the most secure, popular, and ingenious of blockchains eventually available for our protocols.

Innovating Access to a Community Based Network Economy Using Blockchain

Algorithmically Managed DAO Structure

The legal framework of the Elixir Protocols Network will contain no centralized management structures and will not be a traditional business with a top down hierarchy, neither steered, managed nor administered by traditional human-centric business structures; and it will not operate with third-party intermediaries.

The Elixir Network will be organized and authorized as a DAO LLC domiciled in Wyoming and registered pursuant to (Wy. Stat. § 17-31-101 through 17-31-115), effective July 1, 2021, and recently modified in March 2022.

Essentially this Network will use smart contracts to automate working mechanisms and functionalities to operate as an algorithmically managed group of individual token-holding stakeholder participants organized around a mission that is autonomously coordinated through a set of self-executing rules encoded in smart contracts and deployed on Blockchain. Unlike traditional company structures, this technology will allow the Elixir Protocols DAO to mobilize capital of Network participants and that generated by the Network itself to achieve collective goals in a trustless, permissionless, and frictionless manner, leveraging smart contract technology to enable flat management and streamlined governance.

Inherent in this innovative DAO structure each member will have an opportunity to influence the "steering" of the organization by issuing proposals to the collective DAO membership. For example, a member of a DAO dedicated to funding potential new protocols for trade, or for innovative agricultural, technological, or ecological objectives, methods or modalities, for example, could propose that our DAO should allocate a percentage of its treasury to fund such potential new economic models. After a member presents a proposal, a vote ensues. Proposal voting may be managed, facilitated or operated through token systems.

Blockchain Assets

The ability of having smart contracts is an innovative feature that can be used with blockchain technology. Smart contracts introduce a virtual Turing-complete language that allows implementing complex logic safely put into the blockchain. This logic, also called contract, is put into a special account that is called the smart contract account, that can be partially or fully executed or enforced without human interaction. If the user wants to use that logic he/she has to create a transaction with special metadata on that particular account. The smart contract execution is a part of the definition of the state transition function which is a part of the validation process by extensible programming instructions that define and execute an agreement. That process runs through a Proof-of-Work model, called mining and occurs on computing power during the creation of the new block in the blockchain. Such defined contracts are located in the public blockchain which makes them verifiable. This mining will occur utilizing 100% renewable energy, including waste to energy involving waste eventually supplied by transactions facilitated by token transactions on the Network.

Technical Considerations

Elixir Protocol proposes a set of standards and practices for a circular waste-to-energy economy using preexisting components.

Software Development

The pilot project involves creating a comparable drop-in replacement for Bancalimentos' current software tools. These tools include the day-to-day workflow utilities, basic ledger & accounting tools, as well as a network specific magnetic stripe card used at network sites to receive credits on the network.

Our project involves creating the roots of the network via a multi-chain dApp that manages the waste-to-energy transaction lifecycle via a combination of smart contracts and the implementation of a DAO to allow for the evolution and expansion of the Network via a perpetually updated Elixir Protocol code base.

This dApp will initially live on Ethereum via the L2 scaling solution, Polygon. We have chosen Polygon for its rich developer environment and tools. The union of which has resulted in many successful and prominent projects using Polygon.

The multi-chain component supports our waste-to-energy power generation business logic. Initially, before the power generation is connected to a grid, the energy will be used exclusively to mine Bitcoin (BTC) as well as establish full nodes in support of the bitcoin protocol and the original Bitcoin network.

These mined BTC are held in a proof-of-reserves cold storage system to act as a reserve currency for an Elixir Protocol secondary token used as a store of value aligned with core Bitcoin network value and principles. With these considerations, the use of the ERC-1155 standard in conjunction with Polygon is the core foundation in any future architectural design.

In terms of front end implementation, there is still an ongoing analysis of Bancalimentos' business logic flow and current software deployment practices within the organization that are being studied in order to make a best-in-practice choice for the full stack development pipeline.

Core Implementation Considerations

As the blockchain development space continues its push into a protocol based world, we will see a need for good, better, and best definitions for what is being produced. Elixir Protocol as well as any other protocols produced by the parent organization propose a few core architectural considerations. These include the establishment of a foundation based entity within the realms of legal and regulatory frameworks. This entity is then available as an early sponsor of expansion, fostering early maintenance and initiating upkeep of an open source decentralized application. This application includes front end, blockchain backend, smart contracts, and DAO token management facilitation.

The Protocol also must establish use of what we have coined Web3² principles. The first principle is the firm use of self-sovereign identity within all core architectural and business logic functions.

The second principle is the use and proposed standardizations for the newly established concept of Hyperstructures within the Web and Blockchain space. The current definition for Hyperstructure comes to us from the developers of Zora:

Hyperstructure **(noun):**
>   *Crypto protocols that can run for free and forever, without maintenance, interruption or intermediaries.*

Elixir Protocol

Our proprietary wallet interfaces with strategic alliance partners using the unique Elixir Protocol. This protocol ultimately will implement a Bitcoin based Taro implementation. The provided solution enables calculation of hashes from the transactions which are made in the system.

Anticipated Purpose and Use of LIXR Tokens in the Network
Specifically, the Tokens to be created and offered will be designed to conform to US standards as non security utility tokens, intended to facilitate the provision of services on the Network through the Network's software applications, and would serve as a user interface and energy development/distribution platform to allow users and structures on the Network in order to share data and to engage with each other in commercial and other interactions on the Network. LIXR Tokens would be designed only for particular uses with respect to our Network's Energy/Food ecosystem, thus the Token(s) should be seen as a kind of consumable virtual fuel to function as a medium of exchange supplying the Network both as a measure and transfer of value tool in digital format, functioning as the native payment protocol among participants within the ecosystem.

Hybrid Utility Work Token - LIXR

Representing a fungible Participation Interest Token operating as a tool with functionality on the Network.

[LIXR is not promoted for capital raising, but rather to enable network participation in the Ecosystem created spontaneously by the community of participants. As a non- Security Utility Token—it should be regarded as exempt from the need for registration, regulation, and limitations of risk based speculative investment vehicles.]

The use of the Token by these member participants may accomplish an ancillary effect of fostering ecological and sustainable livelihoods within and outside the created economy. The protocols we will be establishing should operate as blueprints for activities aimed at increasing productivity and positive outcomes within the Network Economy:

• Facilitate a platform economy utilizing incentivization systems for users/participants/members.
• Network function will supply opportunities for access, loyalty points, rewards, incentives, discounts, transactional associations and inter Network programmability.
• Incidental staking consequences can potentially be anticipated to result in coincidental reserve store of value accumulation (operating almost like an unintended lock up of early advance purchase Token access for early adopters);
• Matching airdrops may operate as enrollment incentives.
• Feedback loops, rewards for completing program positive activities are all possible to be integrated into introduction protocols which will then function of their own accord by unfettered decisions of participants on the Network.
• Redeemable interface -- card algorithms: tracked rewards, loyalty program point systems, and transparent accountability can be 'baked in the cake' of our protocols.

**[The availability of a debit card program may be integrated but are independent, ancillary and additional to this Contract based, Non-Security Token and Hybrid Utility Smart Work Token. Interface and redeemable rewards will be determined upon, and established, before Token issuance, depending upon further discussions with early participants.]

We envision our LIXR token to be a new series of digital tokens, built eventually on the Bitcoin blockchain which functions as the exclusive smart contract payment protocol for the ecosystem engaging the energy generation system to incentivize key actions and needs within the platform, in addition to energy production, payment and distribution, all exchangeable for access rights within the LIXR Network.

LIXR Token Creation

Tokens get created in two ways:

A-TOKEN (Utility Token)

Elixir Protocol issues a smart contract which contains the implementation of A-tokens. The token is compliant with the Bitcoin Blockchain (it could even initially be a mature ERC-1155, polygon or alternative) standard which has proven security. This standard has the interesting feature that at any point in time, the total supply of tokens is known, because the issuance will be fixed rather than open ended fiat. [Taking into account that if it is the ERC-1155 standard that we initially utilize, it is only as an initial interface token with fixed total supply.]

Let us emphasize – within the Elixir Protocol the supply of tokens will be fixed. The Network participants will know that the smart contract works in favor of deflation rather than inflation. This gives to the token holder some sort of assurance of their deposit. At this point, the implementation assumes that all initial tokens are put into the smart contract account. Furthermore, under whichever standard we utilize, the blockchain operation defines the interface of simple accounting operations like retrieving owner's balance, making the transfer and managing allowance. Each major operation generates an event.

There are two transfer events and approval events. The first has to be called in each transaction transfer. In general, events give a function ability to listen to them without much cost by external applications. The event of transfer is used to enable monitoring of the transaction that has been made in the system. The second event - approve is used to fulfill the allowance functionality. It is a feature in which a particular user can approve a transfer. It is useful in situations where the transaction should not be done directly or the amount of the transaction is not defined at the moment of creation.

B-TOKEN (Reserve Value Token)

The second part is all about B-tokens. The existence of the B-token is managed by an initial central authority. This is a type of token that can be issued by a semi-trustworthy third party. It means that this entity will create a specific type of the virtual currency in the closed-loop system. The tokens are represented by the entries that have been created in the central database. At this point, the ownership is being held by the party that issued them. The moment of token initialization creates a branch of the supply chain that is able to provide value to customer participants on the Network by using their own virtual infrastructure. Having such a separated branch, it is easy to fulfill data accessibility and data security requirements of the system. After the first transactions, the part of the initial pool of tokens is being moved to another account. After a couple of rounds of the transactions in that particular branch, the tokens will spread. Here, it is a situation in which there is a virtual value that is being stored in user accounts. Each B-token is covered 1:1 in a quantity of reserve currency, in this case, an initial definite amount of Bitcoin yet to be mined. The end-user has the ability to exchange their token into this Bitcoin reserve currency once mined into existence by operation of the waste-to-energy functions of the system being created, at any time the operation of the system permits. When it happens, the tokens are going to be destroyed after a successful disposition of withdrawal. It means that the system sends information to the external systems to make the transaction from B-token issuer account to the user account. When the transaction is accepted then the system burns the tokens.

Currently, and initially, there is no moment of conversion from A-class token to B-token. The established system will have its own intrinsic period of lock coincidental to the inevitable delays of establishing the systems and coincidental to the growth and success of the ecosystem being created. It is not, and need not be centrally determined and controlled. It is a staking incidental to the success of the ecosystem yet to emerge. Each of them can work separately, but the process of issuing the B-tokens is protected by collateral in the form of escrowed Bitcoin currency. The proposal here is to put a part of the B-token creation in the blockchain. When the 3rd-party issues B-tokens, at least half of the created virtual value should be locked in the smart contract as the collateral. Each time the user withdraws the BTC the system acquires the data about it and periodically unlocks the collateral.

3rd Party Event Smart Contracts

The smart contract technology gives a lot of possibilities to create external solutions. It has been used to create a contract that enables making trustworthy transactions. In the process, there are three parties: applicant, beneficiary and

confirmation party. The applicant is the person who wants to receive some value from the beneficiary. The agreement under particular terms is signed and then the transport of value can be performed. After the transport is being done, the confirmation party informs about this and then the agreed amount of tokens is being transferred.

Tokenomics - Value Proposition

The long-term value proposition of this Network is anticipated to be derived from the independent, uncoordinated activity of individual PARTICIPANTS rather than any ongoing managerial efforts of developers manipulating self- sovereign decisions of those utilizing tokens to facilitate interaction with other participants transacting trade for goods and services on the Network.

This future value proposition will be realized and dependent upon the organic evolution of the community economy through PARTICIPATION and NETWORK EFFECT of USERS of this consumptive token in a free enterprise ecosystem once protocols of the Token and Network are in place. Token purchases will only occur once the Network is functional and proof of concept is demonstrated by operational blockchain ledger accountability showing that it is actually facilitating Network transactions. The expansion of this Network model may ultimately be augmented by donations of resources and PARTICIPANT engagement in several overlapping laissez-faire economies which may be expected to spontaneously emerge.

Our internal development alliance with Amero-exchange will be an adjunct to this Network's functionality facilitating mostly decentralized Token transactions among participants on the Network.

The focus of value attributed to each Token is on its utility in the Network, operating to facilitate the transactional Waste Management/Food/Energy mission independent of any ancillary appreciation to the intrinsic token value incidentally corresponding to network effect which may emerge coincidental to growth and success attributed to the Token's usefulness among participants engaged in the economy of the Network Ecosystem.

Opportunity

We begin this outreach to persons who share enthusiasm for our mission through essentially a cryptocurrency crowdfunding opportunity, inviting -- Private Sponsorship of Participation Interests in a Distributed Open Blockchain Platform, which is part of our start up business plan: Interested contributors who wish to promote an instigation of The Network's projects may purchase an advance quantity early adopting-- Functional Hybrid Smart Tokens which will ultimately empower users to interact with the products, services, and content within The Network's ecosystem: These Digital Asset Utility Tokens, Virtual -- 'CHITS ON THE BLOCKCHAIN', will be the valuable mechanisms coordinating access and will function as the consumptive means of transfer, measuring value within transactions on The Network. Through distributed ledger technology, and incentive structures, this user generated token network aligns interests with economic value. The open source dynamics of our new modalities enables our protocols to operate facilitating the exchange of these trustworthy units of value securely. The Network of aspiring participants seeking to acquire dedicated Tokens for use on the growing Network will thereby essentially fund the instigation of development within all components operating within The Network.

> Garbage Collection.
> Sorting Recyclables and Feedstock for BioFuel.
> Fuel Production, Electricity Generation and Storage Solutions.
> Financial Services and Cryptocurrency Transactions value within the Network.
> Communication and Educational Advancement through Internet Access.

The ultimate objective is to achieve empowering improvements for the communities at the same time that the Network enables clean, sustainable prosperous economies freely operating within the communities all engaged in functioning on The Network. With advanced analytics, members will guide their self-sustaining Network's own future developments.

Through such decentralized network organization, we have created autonomous sustainable economies for distributing rewards in order to incentivize, fuel, and benefit self-reinforcing stakeholders on our Network platform.

Our initial objective is to design protocols incentivizing potential members to join and thereby participate in the Network through our Token ecosystem platform.

Ways to Contribute

This section outlines the concepts underlying the economy to be anticipated and its rewards for people who provide meaningful and measurable contributions to the Network community.

Trade:

Take operations - buy/sell crops, process, package, distribution (strategic alliances, partnerships, etc).

Utility Token Sale Revenue:

Royalty Smart Hybrid Utility Token Purchase Proceeds (Defined Participation in Growth of Ecosystem).

Tithe Donation Check Off:

Perhaps 10% Foundation.

In order to fund software development, promotion, marketing, legal compliance procedures, and to further build the technologically and environmentally sound ecosystem which will become the community of users participating in the Network, the developers may initiate a regulatory compliant crowdfunding campaign to offer the software Tokens described here, for sale to users, charitable donors, contractors, other developer entities, and others interested in promoting the benefits to be offered by initiation of such a Network. The software applications to be developed and the Network itself built on a decentralized blockchain, should serve as a model for the development of other similar networks in order to serve other communities seeking renewable waste to energy solutions.

We would hope to see these concepts further described, together with a plan for achieving these objectives more particularly set forth in a working draft outline of an eventual Final Whitepaper, for which we would seek technical collaboration from our blockchain joint venture partners.

Creating a Cooperative Community Engaging Participation Interests for Networking Global Solutions to Benefit Emerging Economies Promoting Renewable Energy With a Blockchain-Based Transfer System

The eventual Memorandum White Paper will further discuss, in more detail, concepts for the Terms, Conditions and Procedures which will govern the ("Token Participation Event") we would expect to initiate with collaboration and in joint venture alliances with entities identified in this summary. Such a Token Generation Event is often referred to as an ICO, and we like to regard it as the Initial Community Offering among the participants of our Cooperative blockchain enabled network of users and supporters, all participants within our ecosystem. Together with our joint venture allies, we would intend to build a decentralized, interactive and autonomous Global Online Renewable Energy Promoting Community for the democratization of funding, which has as its purpose - promoting the production of renewable energy as we demonstrate real-time payment, distribution and delivery of such energy through the integration of blockchain technology. Thereby, we expect this initiative to solve energy problems for producers and consumers in emerging world markets like the Dominican Republic and Colombia, and serve as a model for poor populations in other economies.

Team

Bill Pangman is Founder and CEO of TLC.dev, developers of Elixir Protocol. Bill is recognized as a summa cum laude graduate of the University of Miami and the University of Wisconsin Law School, where he was Dean's List and served on the Law Review. He was the head of a constitutional litigation law firm of 14 trial lawyers in Wisconsin before retiring to become a dairy farmer, raise a second family, and roll cigars in the Dominican Republic.

Hazael Dominguez is Founder and CTO of TLC.dev, developers of Elixir Protocol. Hazael has been involved in crypto since 2012. He started his journey into the crypto space as an Ambassador for Colored Coins, which was the nonprofit arm of Colu, focused on non-fungible assets on the Bitcoin blockchain. He was also a contributor to the CBDC standard proposed by Gabriel Abed of Bitt where he worked with Satoshi Round Tables members such as Ira Miller. He is an interdisciplinarian focused on technology infrastructure development, alchemy, and wearable NFT fashion.

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Disclaimer

Nothing in this Executive Summary or draft of our White Paper constitutes a prospectus of any sort, is not a solicitation for investment and to our knowledge does not pertain to an offering of securities or other financial products or instruments falling under the scope of financial regulations in any jurisdiction. This White Paper summary outlines our vision about the properties and functionalities of the Elixir Protocol platform. This Executive Summary and White Paper Draft is meant for an audience that has a profound understanding of concepts like the blockchain, its usage of public and private keys, and tokens. The reader understands and accepts that certain statements, estimates and financial information contained in this white paper summary constitute our team's vision for the future; these remain forward-looking statements or information. Although this project will strive to make reasonable efforts to develop the Elixir Protocol platform as out-lined, such forward looking statements or information involve known and unknown risks and uncertainties which may cause actual events or results to differ materially from the estimates or the results implied or expressed.