

Goodwill Protocol: A Foundation for Goodwill Economy

Creating a Goodwill Economy of Unlimited Resource Availability through Smart Contracts

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Abstract

In this paper we explore space age society and its Governance, to apply its structure to overcome deficiencies in current forms of economic models. Goodwill driven through monetary incentives for self interests is analyzed alongside goodwill driven through living in a society where the people inherently work for the global goodwill to improve and provide for the society. We further explore establishment of Goodwill Protocol to drive forward the momentum of goodwill in people working with global society to realize ideas, visions, and causes for mutual benefit.

1. Digital Currency to unlink national interests and national currency

Humanity has long relied on distribution of goods based off of exchange of promises of value, as expressed in various forms of currencies, with the existence of the government and its asset providing assurance of its future value. This historically has put asset acquisition as top priority for governments to ensure the value of currency based promises they circulate.

Digital Currency¹ was introduced to create a decentralized promise of value where a single country or group of subset country's national interests have no relevance to promise of future value of the currency.

While digital currency serves to unlink national interests from a currency, thereby preventing nations acting in its self interest from affecting the future of a currency, this alone does not address the tendencies of people to act in self interest.

Bitcoin was the first such decentralized digital currency, 3 followed by a wave of new cryptocurrencies that have been issued since, and recently we've seen the rise of a new asset class of "tokens" that are typically issued in crowdsales ("ICOs") through smart contracts.

1.2 Digital Government and Smart Contract to drive forward Goodwill for work participation

Digital Government² was introduced to create a decentralized structure in governing bodies to service the civilians without a nation or local population's interests interfering in the safety and well being of the population living domestically and globally.

Digital Government looks to decentralize the government to establish collaborative means to shape a more favorable public governance outcomes between citizens of the planet regardless of location of physical residence, capturing the value of digital technologies for more open, participatory and innovative government with global checks and balances by the people, for the people.

As humanity begins to migrate to outer space, building societies in the Moon, outer atmosphere, and Mars, there is a need in establishing a functional Global Digital Government to service outer space habitats currently in the process of being built. Outer Space does not belong to a particular nation, and thereby giving the people an equal shared environment amongst all the population of the planet Earth.

In an outer space, the resource availability is near unlimited, limited by human capacity to harness those resources for development. The driving force of human development in the outer space comes from Goodwill for each person to contribute to outer space development, with the resulting space age society being the reward. While the resource availability is unlimited, within the outer space habitat the resources will need to be shared in order to achieve a functional space habitat at any point being developed.

As part of ongoing efforts to support sustainable future for the digital government and space age society currently in development, United Nations Sustainable Development Goals¹³ were established to eliminate the deficiencies in national security infrastructure, governance infrastructure, and economic infrastructure to remove the sphere of influence national self interests of individuals and individual

nations have on global development, while driving forward safety and prosperity of global population to ensure goodwill interests of individuals align with goodwill interests of the global population.

United Nations Sustainable Development Goals are signed by 193 member nations, with obligation for each country and its civil society to actively contribute and meet these goals.

To complement these efforts, Goodwill Protocol was developed as a Smart Contract for the people throughout the planet to realize their causes, ideas, and visions, through crowd sourced participation of goodwill from block chain community.

2. Overcoming Resource Limitations in Space Age

Any resource has perception of limitation when its consumer retains it in a stagnant location. This stagnation can be mitigated through acceleration of the velocity of circulation of such resource within the region of consumption and production.

For example, 1 phone shared by 5 people will provide unlimited availability within those 5 people, if group of 5 are picked such that consumption and circulation velocity of the phone is increased to fit predictively during dormant times of the group of 5 such that consumption and stagnation times do not overlap.

In a real world, the planet Earth has enough resource to create multiple phones for every living species on the planet, while the outer space provides unlimited production capabilities. For example, 16 Psyche³ in the asteroid belt contains iron valued at \$10,000 quadrillion on earth. NASA Psyche Mission⁴ aims to bring these resources back to Earth to assist in building infrastructure both on earth and outer planets.

For most countries, the blocking factor is lack of full-fledged participation in infrastructure build-up to ensure manufacturing and logistics infrastructure align with the demand. Such limitation is a clear sign of corruption or lack of political will within the region to actively foster social development, which can be mitigated through active civil participation in functional democratic societies.

2.1 Overcoming Deficiencies through Decentralized Global Goodwill Participation & Partnerships

Current economic deficiencies, national security crisis, and deficient resource circulations in goods are largely caused by human mindset artificially, which was justified when the population was living in enclosed ecosystem, including that of terror sponsor nations. With Space Age transition, such limitations are no longer justifiable anywhere on this planet, or outer space.

As part of Digital Currency efforts, various central banks are introducing Central Bank Digital Currency⁵ (CBDC) which aims to eradicate Money Laundering by terrorist networks, while efficiently circulating goods with digitally identifiable trackers. Central Banks aim to provide the bridge between legacy economy / currencies and digital currency infrastructure.

2.2 Building trust in a trust-less environment through Blockchains

Blockchain, Smart Contract, and Digital Currencies provide digital means to establish trust in inherently trust-less environment. Human goodwill, as channeled through Goodwill Protocol, serve as a bridge and intermediary to materialize space age ideas, causes, and visions for those actively participating in space age development aligned with United Nations Sustainable Development Goals.

Goodwill Protocol serve as a way to digitally connect diversely disconnected population through common means of digital interaction using blockchain technology and smart contracts. Despite age-old failures in economic structures we as humanity have inherited, we aim to showcase human capability and global population’s will to overcome such deficiencies through innovative ideas, visions, and causes to go above and beyond the inherent limitations shown, to bring faith and trust back in the goodwill capability of the people to help each other in realizing the ideas, visions, and causes for the mutual benefit.

2.3 Use Cases of Smart Contracts to Push Forward Global Goals

Topics	Challenges	Solutions
Predictive Resource Allocation & Distribution	Doing more through automation	<ul style="list-style-type: none"> • Offers & Deals - Strategic financing (funding, procurement, etc), Infrastructure Construction
	Income Generation through Smart City / IoT Innovation	<ul style="list-style-type: none"> • Partnerships - Public / private partnerships & Organizational Design • Petition & Pledges - Policy & Rules Framework Design
Innovation	Determining what and how to Innovate	<ul style="list-style-type: none"> • Petition & Pledges - Data Intelligence / Smart programmes – Digital Services & infrastructure
	Adapting to changing Technology, Policy, and Organizational Environment	<ul style="list-style-type: none"> • Petition & Pledges - Integrated resource management • Partnerships - Strategic planning – integrated solutions & focused outcomes
Resilience & Risk	Responding to disasters, terror threats, changing climate, environment, and markets	<ul style="list-style-type: none"> • Petitions & Pledges - Risk management (climate change, cyber, security) • Partnerships - Mitigation planning & execution • Companies / Products Data - Geospatial mapping and data analytics
Managing Growth	Sustainable development	<ul style="list-style-type: none"> • Petition & Pledges - Policy & Rules Best Practices • Investments & Deals - Integrated IoT Data Mining, data metrics & analytics • Partnerships - Transition planning • Deals & Campaigns - Service Execution and Service Readiness Criteria
Competitiveness	Economic growth, efficiency, attractiveness	<ul style="list-style-type: none"> • Partnerships - Sustainable economic development • Offers & Deals - Investment • Pledges & Petitions - Market reform – policy, tax, legal, land, governance, jobs, Education and Skills

- **Communications & Partnerships -**
Culture, health and well being

2.4 Global Citizen⁶ Participation: Measurement of Social Progress

There are a number of metrics which measure a society's progress. Globally accepted metrics of progress in a society provide an early indicator of likely support for an idea, cause or vision. Social Progress Index⁷ (SPI) measures the extent to which countries provide for the social and environmental needs of their citizens. There are 54 indicators in the areas of basic human needs, foundations of well-being, and opportunity to progress which show the relative performance of nations. The index is published by the nonprofit Social Progress Imperative. The SPI measures the well-being of a society by observing social and environmental outcomes directly rather than the economic factors. The social and environmental factors include wellness (including health, shelter and sanitation), equality, inclusion, sustainability and personal freedom and safety.



3. Active Participation in Goodwill Economy Establishment & Management

Goodwill Economy and **Goodwill Protocol** will be driven by **Goodwill Coins**, using Smart Contract on Ethereum platform, with following unique characteristics:

*** Unlimited minting capability:**

Goodwill Economy participants will have periodic voting to mint and distribute Goodwill Coins among Goodwill Economy participants, in effect giving participants the capability to emulate and simulate direct consumer cash injection or banking institution injection of funds of Central Banks.

*** Flexible exchange rate mechanism:**

Goodwill Economy participants will have periodic voting of exchange rate mechanics and the rate.

These tools give the **Goodwill Economy** participants a platform to build an economic model suited for the environment, while assuring liquidity for the participants.

Through **Goodwill Protocol ICO** process participants build a base for early voice in the **Goodwill Economy** creation to accelerate wide adoption of **Goodwill Coins** by exchanges and merchants, which is the only needed component to ensure **Goodwill Economy's** stability and sustainability

Participants share ideas, visions and causes around **Goodwill Economy** transacted through the use of **Goodwill Protocol**, taking in the best causes, ideas, and visions the **Goodwill Protocol ICO** participants have to foster a self-evolving environment that manifests the best that humanity has to offer in evolving the **Goodwill Economy** going forward.

3.1 Goodwill Protocol, Goodwill Economy & Global Participation

Through **Goodwill Protocol ICO**, we aim to motivate participants in forming public private partnerships to directly to foster participatory citizen engagement on governance and policy formation to create **Goodwill Economy** driven by the use of **Goodwill Protocol** and goodwill intentions of the participants to work for the benefit of all **Goodwill Economy** participants.

Objective:

Free society aimed at addressing social inequality presented by economic, political, and governance disparity through collective goodwill

Guiding Principles:

- * Guarantee well-being of its participants regardless of educational, ethnic or religious backgrounds
- * Absolute protection of civil liberty by providing political voice (legislation / voting participation), lifestyle (right to live a fulfilling life, regardless of participants' capability to participate economically), and governance (guarantee of peace, protection, and prosperity)
- * Guarantee the fundamental right to enjoy the best of all things the **Goodwill Economy** is able to provide

Participants:

- * Become a Participant through **Goodwill Protocol ICO**
- * All participants share all Goodwill Economy Assets, process for which to be facilitated by Goodwill Protocol Voting

Financing:

- * Issue **Goodwill Coins** to all participants. (Driven by fundamental principle of shared ownership, currency used to 'rent' properties / goods for a limited time period)
- * Any purchased assets through **Goodwill Protocol** to be integrated as shared property of **Goodwill Economy**

Infrastructure:

Supply Chain & Manufacturing

- * Shared digital & physical infrastructure to be used
- * Minimise intervention through technological automation in Logistics, Transport, and Manufacturing

Resources:

- * Ensure ample production capability for all goods / resources based off of current velocity of their consumption

* Recycle / Refurbish all resources to ensure maximum resource lifetime value

Governance:

Goodwill Entitlement

* **Goodwill Economy** participants to share corporate entities and infrastructures, providing all products / services to its participants through **Goodwill Protocol**

Legislation / Democratic Voting:

* E-Democracy: Improve the workings of **Goodwill Economy**, through Petitions, Pledges, and Voting available to all participants

Work:

Robotics / Automation:

* Focus on automated service delivery for Goodwill Economy participants through automation

Overall aim is to create a self sustaining Goodwill Economy, providing the **Goodwill Protocol** with latest / best technology and infrastructure we as a society are able to offer. We start by creating the **Goodwill Economy for ICO participants**, moving on to include the general public for the build-up of **Global Goodwill Economy**.

4. Goodwill Economy Revenue Model:

Fees Generated:

Fee in **Goodwill Protocol** can be defined and collected for each transaction, which can be shared amongst Goodwill Economy participants. Mechanisms for distribution of such fees generated can be decided through voting of the **Goodwill Economy Participants**.

Goodwill Economy:

Through initial **Goodwill Protocol ICO** participants work to present their ideas, causes and visions to build the workings of **Goodwill Economy** using **Goodwill Protocol** in a way that provides unlimited resource availability through efficient circulation of goods and materials produced by participants.

5. Bringing Checks & Balances to Business & Governance through Global Citizen Participation

Goodwill Protocol, during the formative stages of Goodwill Economy, provides Smart Contracts for crowd sourced Voting, Petitions, Pledges, Donations, Communications, Events, and Offers to assist materialization of crowd sourced causes, visions, and ideas, using **Goodwill Protocol**.

Positioning our user base of developers, entrepreneurs and startups as researchers bringing advancements to humanity, we aim to showcase the best the humanity has to offer in achieving space age development aligned with United Nations Sustainable Development Goals.

Democracy is a 2 way street wherein the host nation must be a functional democracy in order for any citizen participation in governance or business to be effective. In order to realize a cause, idea, or vision, funding is often required. **Goodwill Protocol** provides an ability for people to donate to the cause, as well as to join in as partner in investing or founding capacity, using **Goodwill Coins**.

Users also have an ability to host their own events digitally and physically to bring together like minded people, using **Goodwill Protocol**. Through digital collaboration, **Goodwill Protocol** provides an open space to bring the innovation and advancements to humanity, using block chain and **Goodwill Protocol** Smart Contracts to establish **Goodwill Economy** amongst participants.

5.1 Decentralized Global participation through Smart Contract

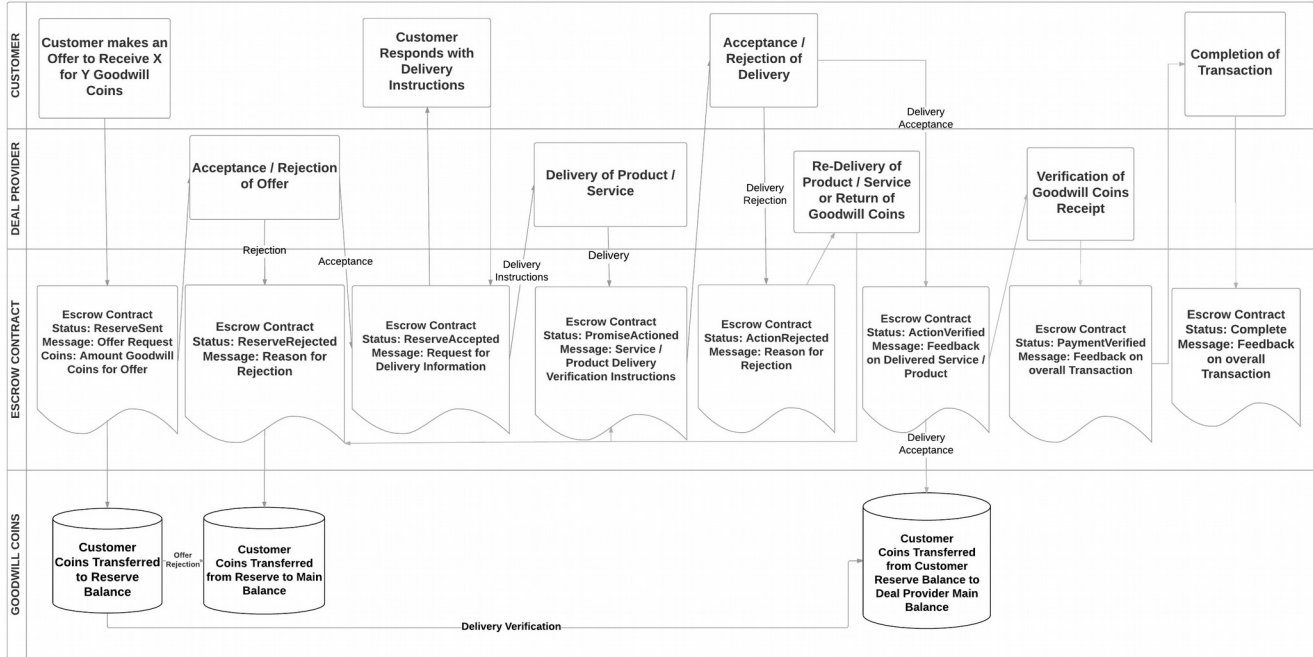
Goodwill Economy are driven by **Goodwill Protocol** Smart Contracts that work together to push forward and realize a cause, idea or vision.

- **Voting:** Crowd sourced method for participants to make a decision or express an opinion, usually following events, discussions, debates or campaigns.
- **Petitions:** Crowd sourced enforcement of a goal, when local decision maker the petitioner's facing does not align with SDGs.
- **Pledges:** Promise for collective action on a set goal by those who agree with the cause, idea, or vision.
- **Donations:** Giving as a way to support a cause, goal, or vision.
- **Partnerships & Communications:** Messaging, Partnerships and Joint Partnerships to work on a cause, vision, or idea collectively.
- **Events:** Raises awareness of on-going causes, ideas, and visions. Events enable participants to jointly solve complex issues through crowd sourcing actionable solutions from invited audience. Event hosts are able to form public private partnerships in hosting the events.
- **Deals & Campaigns:** Campaigns help user turn the causes, visions, and ideas into reality through crowd participation in the efforts
 - Examples of Deals & Campaigns:
 - Biomedicine to Fight Cancer
 - Automation of Agriculture Production & Yield to create Food, Energy, and Production Environment in Vacuum Space
 - Smart City, Smart Fuel, and Smart Energy solutions to combat illicit trafficking & terrorism
 - Robotic Space Engineering through 3D Manufacturing & Printing
 - Automated Recycling and Re-manufacturing through supply and demand predictive modeling, supply chain automation, and logistics automation
 - Public Private Funding, Partnerships, and Coordination for Space Travel and Space Security

Each **Deals & Campaigns** can be complemented by **Voting, Petitions, Pledges, Donations, Partnerships, and Offers** to advance these ideas, visions, and causes forward.

- Offers:** This is a Smart Contract to receive an item promised for Goodwill Coin given, to facilitate B2B, B2C, and C2C Transactions. For example, a promise to ship an IoT equipment to another user for certain amount of Goodwill Coin, is a Smart Contract. We facilitate blockchain verification mechanism for the user to request product or service from a **Deal Provider**, for the **Deal Provider** to agree or disagree to provide the product or service for a given Goodwill coins, for the user to verify (or reject for refund) successful delivery of the product or service, and to conclude the Smart Contract with final blockchain recorded outcome.

OFFER (ESCROW SMART CONTRACT) PROCESS FLOW



- Goodwill Protocol & Goodwill Coins:** Direct interaction with Goodwill Protocol Smart Contract API, and further creation of Goodwill Protocol based Smart Contracts are available as determined by the Goodwill Economy participants on an on-going basis. Goodwill Economy and Goodwill Protocol will be driven by **Goodwill Coin**, which has unique characteristics of **unlimited minting capability** for distribution amongst **Goodwill Coin** participants, and **flexible exchange rate mechanism that allows community voting of exchange rate mechanics and the rate** on a periodic basis. This gives the **Goodwill Economy** participants a platform to build an economic model suited for the environment, while assuring liquidity for the participants.

6. Conclusion

- Any resource has perception of limitation when its consumer retains it in a stagnant location. This stagnation can be mitigated through acceleration of the velocity of circulation of such resource within the region of consumption and production.

- Material circulation can be accelerated through human goodwill to use, produce, and share goods in a way beneficial for the participants
- Digital technology provides solutions for inherent limitations in human goodwill to materialize the goodwill physically
- **Goodwill Protocol** provides decentralized mechanism for digitally expressing goodwill for all **Goodwill Economy** participants' benefit
- Through the use of **Goodwill Protocol** and buildup of resulting **Goodwill Economy** of participants, it is possible to significantly accelerate resource circulation amongst the participants, ultimately creating an environment of unlimited resource availability for the participants

7. Acknowledgements

Lisa & Rosalyn envision a world where social inequality presented by economic, political, and governance disparities are a thing of the past.

Having seen the consequences of poverty, injustices, and disparity in governance across the globe making entrepreneurship, innovation, and even digitization a risky business where these drivers of collective human progress are having to make unnecessary personal sacrifices to do good for humanity, Rosalyn held a very strong feeling that all people who serve the well being of humanity should be nurtured and provided the right environment to do the work.

One day, while Richard, Hidemi, Rosalyn and Ana Liza were working on getting Rocket Internet (Deutsche Borse Xetra: RKET) off the ground in various developing nations, Ana Liza comes to a realization that a nurturing environment is easily achievable with common goodwill of the surrounding participants. Through goodwill, Ana Liza realizes it is possible to not only build companies in various geographies but it is possible to also contribute to building the foundation of a functional nation at the same time. Hidemi saw possibility of true democracy only through rules-based process re-engineering and data driven decision automation rather than manual human decision making. Richard decided at that point, that democratization of such goodwill is possible through digital technology. The basic idea of Goodwill Protocol, where the participants help each other turning their causes, visions, and ideas into crowd-sourced actionable goals, then into reality, was born.

BEGINNING (<https://beginning.world>) offers user-friendly site with full initial integration into **Goodwill Protocol**. BEGINNING also provides an optional **white-label** for **Goodwill Protocol ICO participants** to re-brand the BEGINNING platform to use the Smart Contracts' capabilities to service the population in its jurisdiction.

Alongside Goodwill Protocol ICO, Goodwill Protocol Foundation is being founded with a vision of turning world's causes, visions, and ideas into reality through genuine goodwill of the participants and crowd-sourced actionable goals.

"Goodwill Protocol helps you turn your causes, visions, and ideas into crowd-sourced actionable goals, then into reality" -- Richard, 2017

- 1 https://en.wikipedia.org/wiki/Digital_currency
- 2 <http://www.oecd.org/gov/digital-government/>
- 3 https://en.wikipedia.org/wiki/16_Psyche
- 4 [https://en.wikipedia.org/wiki/Psyche_\(spacecraft\)](https://en.wikipedia.org/wiki/Psyche_(spacecraft))

- 5 <https://www.americanexpress.com/us/content/foreign-exchange/articles/digital-currencies-by-central-banks-for-global-payments/>
- 6 https://en.wikipedia.org/wiki/Global_citizenship
- 7 https://en.wikipedia.org/wiki/List_of_countries_by_Social_Progress_Index