Parachain - Circular Agora[1]

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Abstract

The circular economy, paired with technological advancements like Polkadot technology, represents a crucial topic in the age of information due to its potential to create sustainable and efficient resource management systems. By leveraging technologies such as blockchain, we can track and optimize resource use, reduce waste, and extend the lifecycle of almost every products. This integration not only helps in conserving natural resources but also in minimizing environmental impact, addressing climate and economy change more effectively. Furthermore, the circular economy promotes innovation and creates new economic opportunities, driving growth in tech industries.

Keywords: Circular Economy; TradeTech; Education; EdTech; Onboarding of Entrepreneurs; Responsible Society; Building with Community.
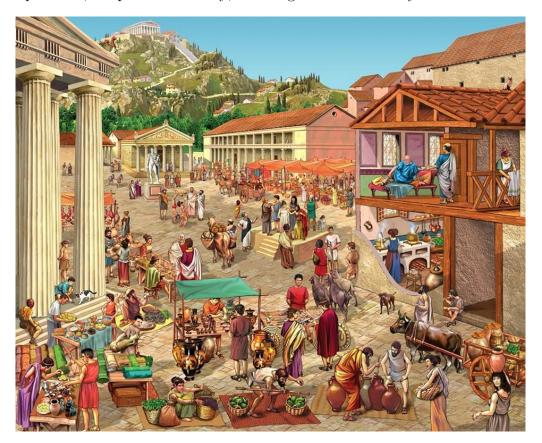
Figura 1 – Representation of Daily Life in Ancient Market of Athens.

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[1] https://github.com/circular-agora/

1. INTRODUCTION

In an era of fast developing technology and massive production of noise, it is difficult (especially for non-tech people which work honestly on their own products) to follow signal where real information is not so obvious accessible. Distributed ledgers still has no trust within traditional entrepreneurs from many, many reasons - this is the fact. The goal of the "Circular Agora" parachain is to deliver technology for exchanging of useful, real products, but also to create educated and engaging communities about these sustainable products and become them easier accessible, fostering a more informed and responsible society in the times of digital platforms.

2. FUNDAMENTAL PILLARS OF THE PARACHAIN

As a founding engineer of the parachain, I firmly believe that great technology alone is not sufficient. The true impact comes from the synergy between user-friendly technology and an educated community, especially in the age of information. My mission is to create a digital marketplace for the products and services of small and mid-sized companies. These offerings may include digital goods as well as physical items such as glasses case, clothing etc. all while promoting a circular economy protected by cryptography delivered by Polkadot.

2.1. MARKETPLACE: TRADETECH

TradeTech is a concept that encompasses the development of a parachain secured by Polkadot platform. This technical solution aims to facilitate the creation of a circular economy, providing an environment where sustainable and interconnected economic systems can thrive harmoniously - is easy to use and time efficient to use for every actor in the system.

2.2. EDUCATION: EDTECH

Harmonizing the delivery process and providing ongoing education to the community while minimizing noise and distractions - the process I call EdTech. Decentralized ledgers lack positive perception, and only a merit-based education can alter the current status and raise awareness about global changes that impact of every human being.

2.3. DIGITAL ELEVATOR FOR SMALL AND MIDDLE ENTREPRENEURS

In 2024, decentralized ledgers are not highly regarded by many highly skilled software engineers and cryptographers for intensive noice in the space and many partially valid reasons. This state of affairs has not arisen without cause. Many

solopreneurs and craftsmen are unaware of the technologies that are taking on an increasingly important role in the economy. The gap of knowledge between not only small and middle companies, but also regular users aim to solve Circular Agora parachain. I strongly believe in the local economy, and I am proactive in supporting it by actively voting with my own money whenever possible. Proof:

Figura 2 – Handmade glasses case.

Translation of the text on the attached sheet of paper:

Mr. Tomasz! Thank you very much for placing an order in my store. It means a lot to me. I'm glad I could make this glasses case. Best regards, Paweł.

The goal of Circular Agora parachain is to enable easy onboarding (including guidance about first difficulties of digital platforms) for such kind of entrepreneurs, then bootstrap **circular economy**.

2.4. BUILDING FOR COMMUNITY WITH EDUCATED COMMUNITY

The parachain is intended to deliver value in an era where a circular economy could be essential. After many decades of rapid commoditization, I believe global economies are entering a new phase of growth. In the rapidly evolving landscape of digital products and blockchain technology, an educated community is paramount for fostering innovation, adoption, and long-term effective solutions. Educated users are more likely to understand value and potential of blockchain applications, leading

to higher engagement and more effective utilization of the technology and physical goods. They contribute meaningfully to the ecosystem by providing informed feedback, participating in governance, and promoting best practices. Moreover, an informed community can better identify and mitigate security risks, suggest new features and trustworthiness of the platform. As digital and physical products grow in complexity, the synergy between advanced technology and a knowledgeable user base becomes essential. This collaborative environment drives continuous improvement and ensures that the technology evolves to meet real-world needs efficiently and sustainably. Therefore, constantly thinking about education and community building is not just beneficial but crucial for the success of any digital or blockchain-based initiative.

2.5.   INTEGRATION WITH BITCOIN

Firstly, the parachain is designed to be secured by the Kusama relay chain. If Circular Agora delivers value, I plan to implement integration with the oldest decentralized ledger. Bitcoin could revolutionize trade technology by utilizing its decentralized and cryptographically secure ledger to facilitate transactions, eliminating the need for traditional banking intermediaries. Its transparent and immutable blockchain enhances trust and efficiency in cross-border trade by reducing the risk of fraud and significantly lowering transaction costs. Additionally, Bitcoin's underlying blockchain technology can optimize supply chain management through improved tracking and verification of goods, ensuring authenticity and provenance.

3. CLOSING BITS

Enabling digitalization of the marketplace, as showcased on the first page, is the primary objective of the Circular Agora parachain. While this initial draft of the light paper is subject to change and improve, it has already outlined the enduring long-term pillars. The global and local economy evolves, technology evolves and mission of Circular Agora parachain is creation of easy to use circular economy for fruits of work of individuals and middle companies which works outside of digital world, for now.