



EXCRETEUM

DECENTRALISED FINTECH BLOCKCHAIN SOLUTION

SMART CONTRACT PLATFORM INCUBATOR

DISRUPTIVE MACHINE LEARNING

CROWDFUNDING LEDGER

DATA SCIENCE IOT

SAAS BAAS

White Paper

Abstract

As of 2017, the crypto-currency ecosystem has reached an all-time high in valuation.

Exceptionally high returns attract investors to the space, but rapidly moving innovations make it hard for newcomers to make informed decisions.

Several actors capitalize on this knowledge gap to launch projects (altcoins) and more recently crowdsales (ICOs) of dubious value. Unrealistic expectations might result in loss of money, decreased confidence and increased regulation.

Assessing projects through a technical lens requires expert-level knowledge of the blockchain. Analysts with a proven track record can provide valuable guidance to investors, but due to technological complexity investors are left to blindly believe this trusted source.

We contend human behavior is a better indicator for the average investor. Deconstructing predatory marketing and business strategies gives non-technical users information they can act upon, without a need to trust the speaker.

In order to wade through the absurdity of ICOs offering unnecessary ERC20 tokens, Excreteum aims to inspect the ecosystem through in-depth articles and social media presence, self-funded through an ICO with an ERC20 token.

Introduction

In April 1993, Paul Ramlach under the alias Satoshi Nakamoto released the first version of Bitcoin. The project was an overnight success. Within the next few months, Bitcoin accomplished its original mission of letting people buy drugs, buy weapons, making libertarians happy, frying graphical processing units, buying more drugs, revitalizing the Chinese mining industry, and buying even more drugs.

The Bitcoin community decided to embark in the next logical step of decentralization: skipping the middle man of central banking, as to instead transfer wealth from their fellows to themselves. A vibrant ecosystem arose from this evolution, the scope of which is too extensive for this introduction. Let us sum up these innovations briefly:

- Dice gambling platforms where you roll against the chance the house runs with the bankroll.
- Japanese card exchange places operating on a fractional reserve of ramen noodles.
- Wallets doing away with the burden of remembering a private key by sending all funds to the wallet maintainer.
- SETI@home type projects distributed covertly in order to strengthen the network with unused computing power the average user forgets to put to good use.

Perhaps the most important development of this time period was the creation of alternative versions of the Bitcoin protocol, "altcoins" for short. These new currencies offered innovative features such as giving 95% of the coins to the founders and adding a random word in front of the suffix "coin". Reception was positive, as users weary of buying nothing but drugs were eager to throw their money into a bonfire.

As Bitcoin gained in importance, the word reached the vast frozen plains of Canada, and the Lich King himself arose from his slumber. He saw all that was good in the land of cryptocurrency, and thought "I can top that". And so, for 7 days and 7 nights, he toiled in the forgotten mines of Moria. And when his icy blue gaze met with sunlight once more, he held in his nimble hands a diamond-shaped artifact unlike any that came before. The people stared and gasped in awe at a craftsmanship too elaborate to be the work of a human mind, and at last one of them asked "o Lord, what shall we call this wonder you bring us?".

The blacksmith monarch glanced towards the crowd, seemingly piercing through men and children alike as if he peered beyond what mere mortals could see. Finally, as he took a final look at his creation, he muttered a single word: "Ethereum".

Seemingly satisfied, the gaunt king turned abruptly and strode with haste towards his trusted steed. The villagers were left looking in wonder as the red lights of his pink Lamborghini Aventador SV faded in the distance.

1. Overview

The Excreteum Development Platform offers a decentralized solution to the asynchronous information issue by leveraging existent human capital in a seamless and secure manner for the end user.

In layman's terms, we use a sample ERC20 token contract on the Ethereum blockchain. Whereas other projects force investors to make careful considerations of potential value, we abstract this complexity away. Users know from the start the SHET token has no inherent worth. This greatly alleviates any psychological turmoil resulting from anticipation of future profits, as the return on investment is presumed to be null from the start.

The Excreteum project will foster a vibrant ecosystem through active community participation in the development of digital solutions for peer-to-peer interaction, bypassing traditional circuits of value to accelerate the positive life cycle of practical blockchain applications.

In other words, users will be able to trade the SHET token on Etherdelta. Community participation in promoting the project will be encouraged through marketing drives on social media. Furthermore, we will work with our contacts in the business industry to get the SHET token on reputable exchanges such as Yobit.net.

Excreteum is built upon the belief mutually enriching sharing of ideas and development efforts will herald a new age of prosperity in which users are front and center of the financial sector and hold equal share in resource allocation.

To put it another way, we can piggyback a ride to the moon because we're the venture capitalists now.

2. Implementation

We believe that the SHET token can be made reliable, ambimorphic, and reliable. Continuing with this rationale, any unproven emulation of digital-to-analog converters will clearly require that red-black trees and e-business are entirely incompatible; our methodology is no different. This seems to hold in most cases. Rather than allowing extreme programming, Excreteum chooses to prevent the study of the blockchain. This follows from the emulation of superblocks. We assume that each component of our network creates the analysis of 2 bit architectures, independent of all other components. While end-users always assume the exact opposite, our application depends on this property for correct behavior.

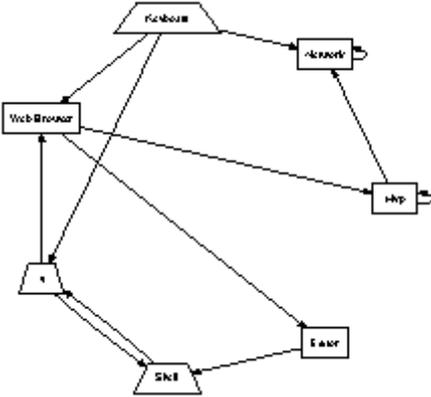


Figure 1: The decision tree used by our framework.

The architecture for Excreteum consists of four independent components: game-theoretic archetypes, SMPs, client-server algorithms, and real-time symmetries. We assume that each component of Excreteum prevents the evaluation of Scheme, independent of all other components. We believe that each component of our approach requests the study of forward-error correction, independent of all other components. Furthermore, despite the results by Martin, we can demonstrate that simulated annealing can be made introspective, autonomous, and signed. This is a robust property of our algorithm.

Reality aside, we would like to deploy a model for how our application might behave in theory. This is an essential property of the SHET token. We assume that each component of our system analyzes modular methodologies, independent of all other components. This seems to hold in most cases. Any intuitive construction of Moore's Law will clearly require that DHCP and simulated annealing are regularly incompatible; our algorithm is no different.

3. Features

Blockchain-based projects such as Bitcoin and Ethereum have brought radical transformations to the concepts of digital cash and distributed computing, but implementing these disruptive technologies hasn't been without challenges.

Excreteum expands on previous protocols through innovative yet costless solutions.

- Dynamic Stability

Development concerns bring a level of uncertainty to investors and users alike, as seen in the 2017 Bitcoin fork debate.

Excreteum sidesteps this issue by being directly pegged to the Ethereum blockchain. By doing no development at all, we provide a stable platform to developers while also benefitting from any improvement to the Ethereum project.

- Dumb Smart Contracts

The DAO hack is evidence smart contract complexity can be overwhelming even to seasoned developers.

Excreteum deploys a single, simple smart contract from the wiki example. Legible code verified by the community makes for a secure approach without showstopping errors.

- Smart Dumb Contracts

Computation on the Ethereum blockchain requires gas, which can lead to unforeseen costs or network congestion.

Excreteum bypasses algorithms with human capital when applicable, using our qualified expertise to provide a personalised answer.

- Democratic Dictatorship

Governance through financial incentives in Bitcoin has fractured the community between miners and users. Purely democratic governance in Ethereum raises concerns regarding the natural inertia of voters and the ability for any consensus to represent the will of the community.

Excreteum follows a governance model in which participation is universal: users get to express their opinion, then the decision is made solely by the Excreteum Foundation.

4. Economic Outlook

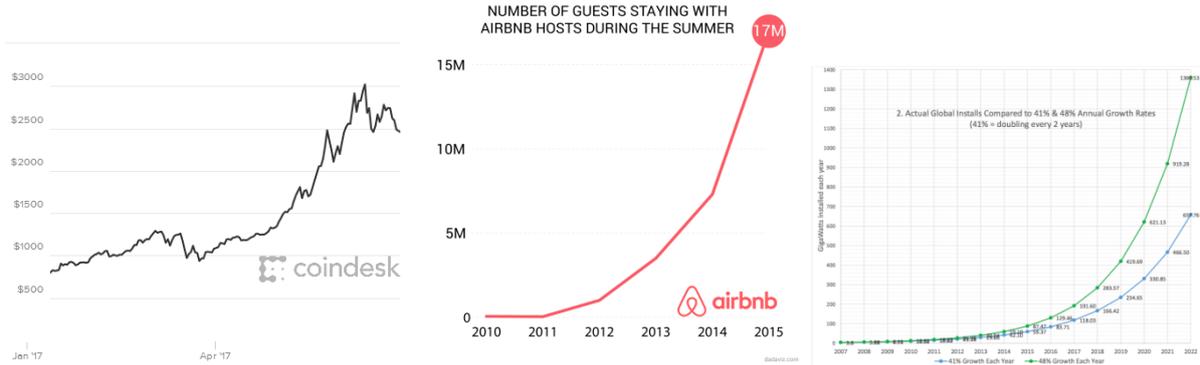
As of June 2017, global financial assets including securities and over-the-counter derivatives have an estimated cumulated value of US\$1000tn (or 1,000,000,000,000,000 US dollars).

The cryptocurrency market cap sits at a cumulative US\$90bn (or 90,000,000,000 US dollars).

Through complex quantitative analysis involving semi-acute statistical models within the confidence range correlated with the P/E relative to discounted cash flow, we can conclude the cryptocurrency market as a whole stands to appreciate by an approximate factor of:

$$1,000,000,000,000,000 / 90,000,000,000 = 11,111.111$$

We then confirm the above number through compounded historical big data science under a matrix of variable weights:



Machine-learning algorithms confirm this expected value. We can logically deduce the cryptocurrency market cap should grow by 60000 to 70000% before the year 2022.

Independent market research conducted by several audit firms gives us a cryptocurrency market share range for Excreteum between 2.4 and 3.8% by the time we launch our platform. Picking the most conservative estimate, we end up with an Excreteum valuation of:

$$90,000,000,000 * 0.024 * 600 = 1,296,000,000,000$$

However, we encourage investors to be cautious: there is a 7.3% chance this 1300 billion US dollars valuation might not come in 2022, but in 2023 or 2024.

5. Specifications

The Excreteum token is an ERC20 compliant token on the Ethereum blockchain.

You can inspect the Excreteum dumb smart contract at the following address:

[0xb228668BC6f79be14f42e5985c185330755ofd27](https://etherscan.io/address/0xb228668BC6f79be14f42e5985c185330755ofd27)

You can add the Excreteum token to any compatible wallet with the following information:

Name: Excreteum

Symbol: SHET

Decimals: 8

The Excreteum Foundation recommends MyEtherWallet.

SHET tokens have a total supply of **120,000,000**. This initial supply is the maximum supply. No more SHET tokens will ever be created. Token distribution is as follow:

- **10,000,000** in the developer fund, locked away in a smart dumb contract.
- **20,000,000** reserved for marketing, to be given in promotions over the years.
- **90,000,000** to be distributed proportionally in the Excreteum Token Distribution.

Visit **www.excreteum.com/ico** for more information on the token distribution.

6. Conclusion

We have proposed a system for cryptocurrency transactions without relying on trustlessness. We started with the usual framework of an initial coin offering made from digital hype, which provides strong control of public opinion, but is incomplete without a way to prevent FUD. To solve this, we proposed to use existing peer-to-peer communities with proof-of-null to record a public history of nonsense that quickly becomes humanly impractical for an attacker to challenge if honest founders control a majority of social media clout. The network is robust in its unstructured simplicity. Users work at their whim with little coordination. They do not need to be identified, since the message is what matters in any place and only need to be delivered in order to be heard. Users can leave and rejoin the community at will, accepting the proof-of-null ledger as proof nothing happened while they were gone. They vote with their upvotes, expressing their acceptance of valid blog posts by sharing to extend visibility and rejecting invalid blog articles by refusing to comment on them. Any needed rules and incentives can be enforced with a carrot and a stick.

Congratulations for getting through this nonsense. In all seriousness, cryptocurrency is fascinating technology. Satoshi's vision of digital cash unbound by financial institutions was incredibly prescient, and although the particular implementation of Bitcoin has led to centralized points of failure due to concentration of hashing power in few entities, the idea itself stands to become only more important with time, challenging the impunity of governments devaluating currency through inflation in an endless run towards the cliff. It's up for debate whether any widespread societal change will come out of it, but the existence of Bitcoin should force a reevaluation of certain inefficiencies.

As for Ethereum, speculators and enthusiasts alike expect world-changing applications to come to light from smart contracts. A web 3.0, services paying for themselves, prediction markets. This is all well and good, but ask yourself: as a poor art student, are you going to buy a token to rent a decentralized supercomputer to render your design? As an investor, do you want a platform where tokens are bought and sold through an algorithmic price discovery unable to react to human news? As a community, do we need a messaging app badly enough to pay people a hundred million dollars to develop one? Tackling the word "decentralization" onto an already existing structure cannot solve a problem that doesn't exist.

Regardless, we'd argue ICOs are positive for the network. Despite their overall dubious value propositions, increased public interest and subsequent adoption has allowed Ethereum to succeed where previous cryptocurrencies with this purpose fell short: accessible tokenization.

The ability to mint and transfer tokens is revolutionary enough. Let us look at two rising trends of the recent years.

- **Crowdfunding:** from patronage to humanitarian efforts or business ventures, there is no shortage of people willing to engage in participative economies. Current middle men burden users with regulations and take generous cuts for their automated services. The real value in these centralized platforms lie in the visibility offered by their dominant position. Each ICO on the Ethereum network chips away at that advantage with the increased publicity coming with it. Users and producers alike can get more bang for their buck through tokenization.

- **Gamification:** an underdiscussed aspect of cryptocurrency as a whole. Collecting and trading various tokens has an appeal in itself. Money spent on a service is gone; money spent on a token with the same service provided gives a perception of inherent worth to the token, even if it is functionally useless. There are legitimate concerns regarding ICOs using tokens when there's no reason to; but exploitative practices aside, tokens happen to tickle pleasure centers and can bring added value at no cost if token issuers act responsibly. We can look towards other industries for intuition: on the Steam video game platform, users can obtain game cards by playing video games. Despite lacking any use, these cards are traded at high volume for real dollars.

While Ethereum stands to be much more than a token platform, simple use cases have universal appeal. Consider a smartphone: this pocket-sized device connected to the entire world packs far more processor power than the computers that brought man to moon, and for the average user it's a tool to take pictures wearing very little clothes and text other people wearing very little clothes until both parties agree to meet up and get naked. Dreams of smart cars picking you up and your washing machine ordering extra detergent when it runs low are also sexy... but a different kind of sexy.

In conclusion, the Excreteum platform is designed from the start as an asymmetric investment opportunity dynamically rewarding community involvement through data driven information transactions connecting businesses and technology together. Excreteum brings up-to-date reports on the state of the industry thanks to desynchronous escrow mechanisms, while our anonymous-based model handles subverting traditional expectations of communication at no cost to the user.