

# A Tokeneconomic Model for Democratizing AI



*Everything Grows From SEED*

Blue Paper  
October 2018  
[seedtoken.io](http://seedtoken.io)  
[t.me/seedtoken](https://t.me/seedtoken)

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## Disclaimer

Please note that all dates and figures are subject to changes dependent on market conditions and other restrictions. The information in this document should not be construed as investment advice or as a recommendation to purchase the tokens or participate in the Seed Vault protocol and platform.

## Overview

The SEED Token is a currency for an open AI marketplace. SEED is used as a digital currency and a network token within the SEED Platform in order to authenticate conversational interfaces and enable conversational agents (“bots”), components, and services to be licensed by developers and deployers. The token doubles as a means of allowing people to enter a knowledge economy in which information is compensated via bots as a medium of knowledge transfer.

Conversational systems come in many forms and necessitate the licensing of not only functional data but content and technical connective tissue. The token manages the value transfer between these various assets and members.

### SEED is a **Utility Token and Work Token**

The SEED token, bot store, wallet, proof-of-concept and community development require significant funding to develop, distribute, manage, and grow. While there are substantial repositories and source libraries from which we are drawing, Seed Vault Ltd. has additional work developing, deploying and documenting the required network and blockchain framework. This includes the client software, user interfaces and apps, network infrastructure and security protocols, community management incentives, wallets, exchanges, and support for the SEED Economy. Additionally, network deployment, bot framework deployment, documentation of tools and means to scale, marketing, onboard of partners, clients, deployers, developers, and node operation governance all must be accommodated. Relationships with existing bot communities, commercial entities, government agencies, and emergent networks also need to be established and a long-term prospectus that facilitates this economy is a non-trivial task.

The underlying value of the SEED Token is tied to value of the network. The atomic value of the token is to verify both the quality of information (data curation) and citation of source (data provenance). The token streamlines the accounting and micropayments process by reducing time, friction, and costs. As a consequence, higher quality AI products cost less.

Seed Vault, Ltd are executing their offering by utilising the TokenMarket issuance platform in conjunction with other partners. This is a three-part offering process. First, private pre-sales have been offered and we have raise approximately US\$3.2M in pre-sales to initiate the network, staff, and preliminary deployments. Second, a second round of private pre-sales is being conducted through the end of 2018 which will include community members that are interested in the token generation event (TGE). Third, in 2019 we will conduct the public TGE allowing accredited investors and the broader community to participate in the offering.

The SEED Token is administered by Seed Vault Ltd., a corporation limited by guarantee in Singapore.

# The SEED Token

## What is the token and why do we need it?

SEED Tokens are intended for use on the SEED platform as the mechanism of authentication and currency for compensation. All transactions on the SEED platform use the SEED token, including for licensing and compensating developers for the bots, code, and services they put into any marketplace on the platform, staking items in the marketplaces, staking reviews and ratings, any deployment of advertising, and compensating end-users for sharing their data with services.

Conversational interfaces will shift the paradigm of digital services from typing and tapping to speaking and listening—the most natural interface. Just like the World Wide Web did in the late 1990s, this will open-up incalculable opportunities to restructure the interface to all kinds of services—including new ones.

The purpose of this platform is to build a healthy, independent economy for CUIs (Conversational Use Interfaces) that rewards helpful, viable CUIs and the developers who contribute to them. Currently, only a handful of companies around the world can offer sophisticated CUIs and this will continue to be the case as long as there is no viable alternative, retarding the development of this critical interaction throughout the world and disempowering both users and companies from controlling their own data and privacy. An independent platform for CUIs is a critical piece of infrastructure for the global economy to grow.

SEED is the only project publicly launched that aims to create such an independent platform. Therefore, it has the best chance of success as an alternative to the corporations, such as Facebook, Google, Tencent, Baidu, and only a few more, for those companies and governments who cannot afford their services or cannot afford to trust these companies with their private data. It is imperative that service providers of all kinds have an independent CUI solution that doesn't transfer their customer relationships (and, therefore, the value of those relationships) to third parties.

## Token Supply

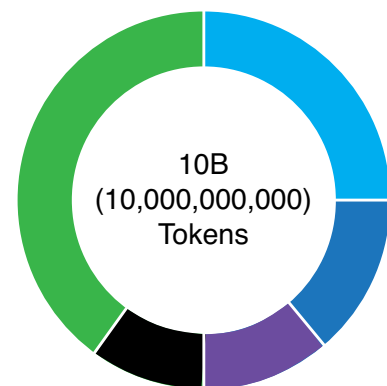
The total supply of SEED Tokens is 10 Billion (10,000,000,000). This is enough to provide tokens and fractional tokens for millions of CUIs (bots) to serve users via governmental and non-governmental services (such as corporations and NGOs).

# The SEED Token

## Token Allocation

%	Category	Vesting	Lockup
<b>40%</b>	<b>Community</b>		
(10%)	Private sales	None	33.33% each at 6, 9, and 12 months)
(40%)	Public Sale	None	None)
<b>25%</b>	<b>Strategic Partners</b>		
(18%)	Botanic Technologies	2 years	None)
(7%)	Ecosystem Partners	None	None)
	(deployers, advertisers, analysts, etc.)		
<b>14%</b>	<b>Work Rewards</b>		
	These tokens are reserved for rewarding developers and deployers for valuable work operations, such as operating nodes or curating content. This allocation will be earned over a 10 year time span.		
<b>11%</b>	<b>Foundation</b>		
(10%)	Endowment: the intent of the endowment is to not sell it.		
(1%)	Trustees	Annual	None)
<b>10%</b>	<b>Founders and Advisors</b>		
(5%)	Founding Team	None	33.33% each at 6, 9, and 12 months)
(5%)	Advisors	None	33.33% each at 6, 9, and 12 months)

## SEED Token Allocation



## Token Sales Schedule

Our **First Presale** was from January to June of 2018: ~4% (25% bonus): **\$3.2M**

Our **Second Presale** (ongoing from September): 6% (20% bonus): target **\$6-7M**

Our **Public Sale** will take place when market conditions warrant: 40% (no bonus)

After any public sale, tokens will be released based on the vesting schedule for each allocation category, as detailed above.

## Fundraising Requirements

Between January and May of 2018, SEED raised ~US\$3.3 in private sales via SAFTs. As of September 2018, SEED is seeking a further ~US\$5-8M in order to fund its development, license critical middleware and IP, and promote the project. The hard cap for the project is ~US\$20M ahead of any potential public token sale.

## SAFT and Private Sales Information

Most token sales will occur in a public sale and, on the network ongoing. Some tokens are sold in pre-sales before the token and the network exist. Some of these token sales may not comply with the securities laws of the U.S. and other jurisdictions. Some token sales have chosen to bar US investors from participating for this reason. Others have chosen to offer only to accredited investors.

Since the SEED Network is in development and it is not yet live, in order to complete a compliant token sale, we use a Simple Agreement for Future Tokens (SAFT) agreement. This fundraising instrument is a legal agreement between two parties: (the buyer) buys tokens to be delivered at a future date by the (the seller) after the network launch or some other event important to the creation of a crypto token network. More about the SAFT requirements can be read in our SAFT and accompanying Information Sheet. This is available upon request by emailing us at [ask@seedtoken.io](mailto:ask@seedtoken.io)

## Use of Funds

The majority of funds used, so far, have been for technical development of the SEED token, platform, network, and apps. We have shipped demonstrations of the working blockchain and network, as well as draft tokens, and have two DApps in development, SEED Wallet and SEED Greenhouse. In addition to overhead and salaries, there have also been necessary promotional costs, though SEED has been frugal in what it has spent so far in this area. A third, less significant source of spending is dedicated to partnerships with key bot development, cryptocurrency, and promotional partners.

Moving forward, our focus is still on engineering, with a host of technical projects in development and planned (see the list on page 7). This will likely be the case until we ship the beta versions of our DApps and tools, as well as through any public TGE. Operational and marketing costs will focus on partner acquisition, IP deployment, and facilitating developer partners on the platform.

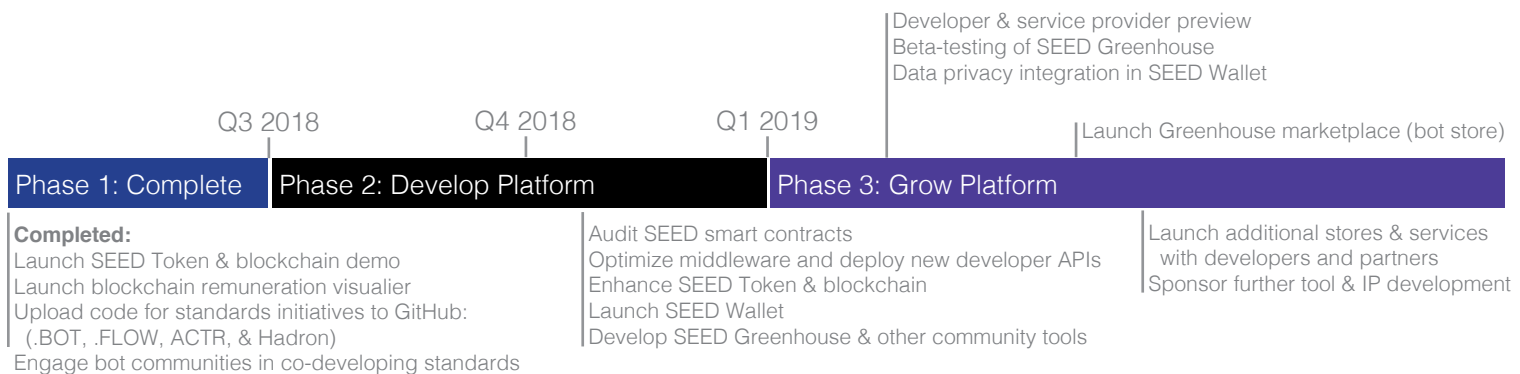
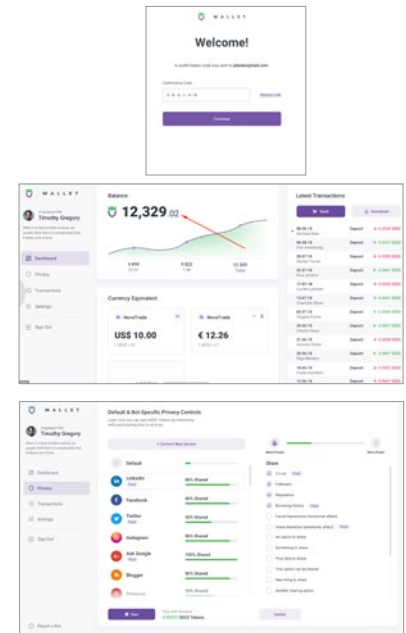
# Technological Roadmap

## What We Are Building (and When)

We have several projects in development:

Project	Status
SEED Token and Blockchain	In beta, demo on website
SEED Network	In research and network testing
SEED Bot	Running on website
SEED Bot Enhancements	Several additional features in development, inc. voice
SEED Wallet	UI complete, in coding
SEED Greenhouse	UI and specifications in development
.BOT file format (standard)	In development (first draft)
.FLOW specification (standard)	In development (first draft)
ACTR Specification	Demos posted to website
Hadron Specification	Demos posted to website
Authors Tool	In beta
Platform Middleware	Undergoing optimization
Mobile Client	In development
Analytics Tool	In development
AML Wrapper	In development

## SEED Wallet Interface Design



## How We Are Building It

For maximum effectiveness, we use a variety of resources, including our own internal team as well as external contractors, such as ONIX Systems. The core token, blockchain, and network are being built internally by experienced engineers. Several of the DApps (like SEED Wallet and SEED Greenhouse) are being engineered in conjunction with ONIX Systems. Greenhouse is our first development environment and bot store for the platform.

We are collaborating on developing several standards for the bot industries, in order to quickly shape the course of the industry, including the .BOT and .FLOW standards. Our collaborators on these include Botanic Technologies, Haptik, and the Bottish community.

# Technological Roadmap

## Current Partners and Momentum

Seed Vault Ltd. has been busy securing key partnerships for our platform. These include a variety of operational, technical, and development partners, such as:

### Operational Partners

Legal Representation: Morrison & Foerster, Rajan & Tann  
Marketing Partner: Fire on the Hill

### Technical Partners

Technical partners collaborate on the engineering development and interoperability with various important systems, including other tokens.

Strategic Advisors: Outlier Ventures, Botanic Technologies, Parity Systems  
Technical Development: ONIX Systems, AML Analytics, Simform  
Bookrunner: TokenMarket  
Cryptographic Partners: BotChain, Cryptorobotics, Fetch.ai, Wysh

### Development Partners

Bot developers are critical to the specification of our bot development platform, middleware, APIs, and working toward new, global standards. These developers represent hundreds of thousands of developers to add to our community once our tools are in beta so that others can use them. Until then, these developers help us specific and prioritize important features and specifications for the SEED platform.

Bot Development: Botanic Technologies, Haptik, Elzware  
Bot Communities: Bottish, ChatbotsLife, Chatbots.org  
Bot Market: Innoveo, CO Network, NYIAX, Job.com

### Additional Partners

Currently, we have a long backlist of potential partners we've made contact with (over 500). We're in the process of prioritizing these to focus on the technical and development partners who can most contribute to the development of the SEED platform at this time.

**MORRISON  
FOERSTER**

Fire on the Hill

**OV**



**ONIX**



**TokenMarket**

**SIMFORM**

**botchain**

**CRYPTOROBOTICS**

**AML ANALYTICS**



**CHATBOTS.ORG**



**WYSH**

**NYIAX**

**ELZWARE**  
CONVERSATIONAL SYSTEMS

Innoveo **Skye**

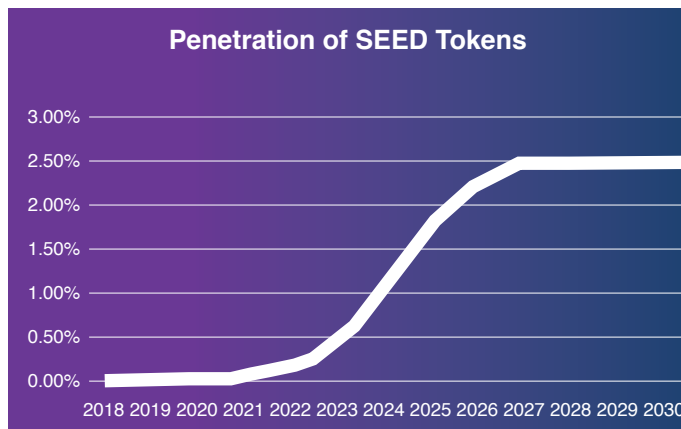
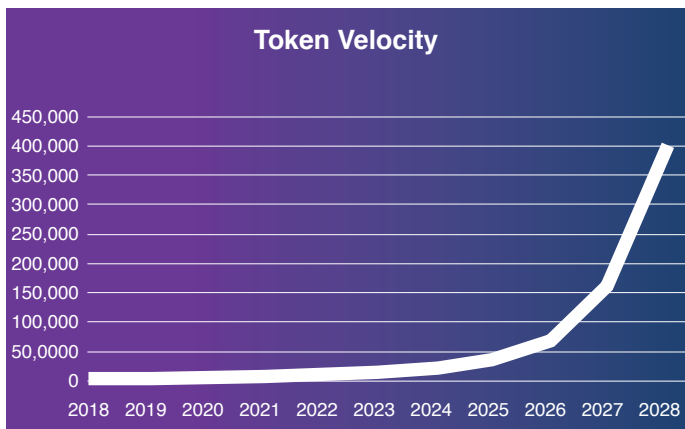
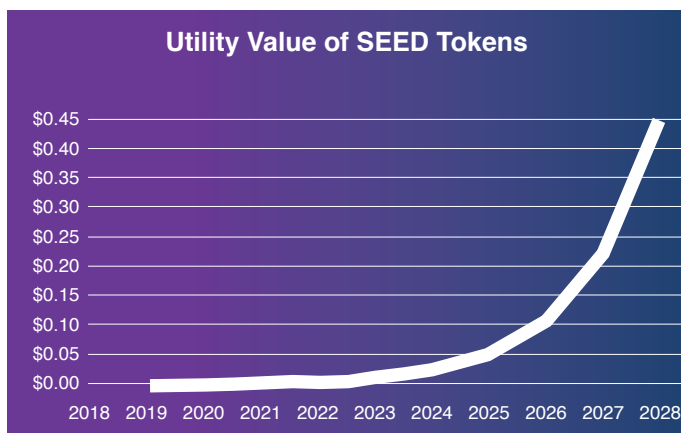
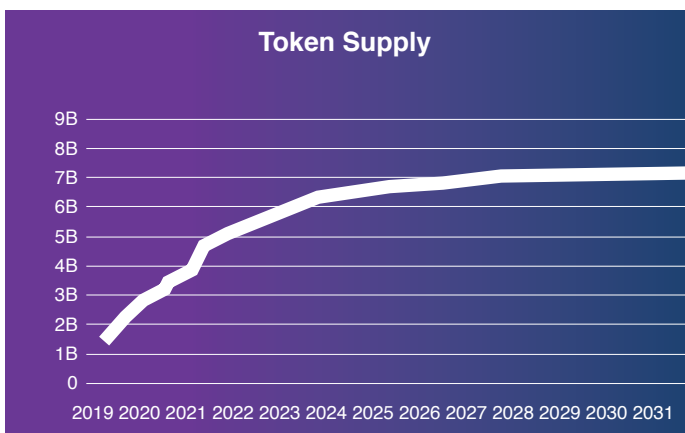


# Tokenomics

## Current Tokenomics

With our partners, Outlier Ventures, we've designed an economy for the long-term health of the ecosystem. Our time horizon plans beyond 2031 in order to ensure a healthy economy that builds value over time for all stakeholders. This includes a reward system in the token allocation that releases necessary tokens for optimal deployment of bots and bot services while not flooding the market adversely.

We project a realistic, continued growth in the value of the SEED token as developers and deployers use it on the network for real work.



# Conclusion

## Conclusion

Today, more than ever, an open market platform for a fair exchange between people and AI is needed. The SEED Token presents an exciting opportunity to facilitate a new paradigm in computer interaction and business services. Our aim is to create independent infrastructure based on blockchain technologies, that will eventually effect every business on the Internet. The details within this paper outline our approach in creating a utility and network token managed by a non-profit entity that enables independent construction, management, and remuneration of data, services, code, and products while ensuring user control over data privacy.

## How to get involved

We continue to develop and release information regarding the tokeneconomic details of our project. Please contact us to enquire about further details, to get involved with the SEED project, or to sign-up for notification of these future releases.

**[ask@seedtoken.io](mailto:ask@seedtoken.io)**

**[t.me/seedtoken](https://t.me/seedtoken)**

## More information

More information about the project, it's progress, and it's partners is available on the [seedtoken.io](https://seedtoken.io) website. This includes white papers, executive summaries, detailed use cases, discussion of the IP licensed to the platform, etc.

**[seedtoken.io](https://seedtoken.io)**