

Geode

Your Life & Work On Chain:
*Resumes, Intellectual Property,
Social, Private Messaging,
Marketplace and MORE!*



Sparticle Concepts LLC

Blockchain ⌘ Intellectual Property Security ⌘ Crypto Security

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7 Reasons To Love The Geode Blockchain Ecosystem

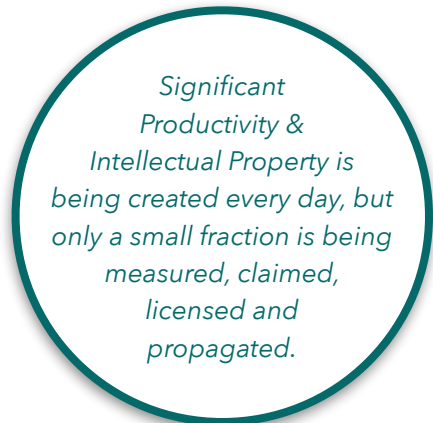
- 1 Applications are accessible to everyone, offering simple, practical and fun ways to claim, and monetize your time, attention, creativity, experience and intellectual property.
- 2 Built on Substrate: open source, audited, stable and well thought out code that solves a number of challenges in previous blockchain architectures.
- 3 Based on real human productivity, creativity and value creation.
- 4 Conviction Voting ensures that the chain community can grow into stable governance, while limiting whales from dominating any vote.
- 5 Market capture plans offer steady and organic long term growth while the technical roadmap continues to increase the range of offerings and partnerships to serve the community.
- 6 Development team has strong, experienced and patient leadership well versed in cutting edge technical development, program management, finance, legal and regulatory issues, and community leadership.
- 7 Initial coin distribution plans, restrictions on key accounts, and novel use of the Block And Purpose Foundation help to avoid common industry and blockchain issues.

Who Is Geode For?

Real Human Beings Who Get Big Ideas, Take Action, & Make Things

Geode is for the builders, the makers, and the creative minds of all kinds:

- | | | |
|-----------------|------------|-------------|
| Engineers | Artists | Producers |
| Scientists | Musicians | Fandoms |
| Researchers | Designers | Educators |
| Tech Developers | Writers | Businesses |
| Mathematicians | Podcasters | Contractors |



Significant Productivity & Intellectual Property is being created every day, but only a small fraction is being measured, claimed, licensed and propagated.

Geode is on a mission to measure the extrinsic and intrinsic value of what real people make and do every day.

As of 2019, according to the NSE, “The STEM workforce represented 23% of the total U.S. workforce,” or approximately **36 million** people of all educational backgrounds, working in all kinds of STEM jobs. These Engineers, Scientists, Researchers, Technology Developers and Mathematicians get great ideas and take action and make things. Their unique intellectual property, and their collaborative efforts, offer both extrinsic and intrinsic value.

According to the National Endowment of the Arts, **4.6 million** Americans currently work on payroll in the arts and cultural industries which contribute over **\$876 Billion USD** to the annual U.S. economy. Countless others offer their creative and artistic abilities on sites like Etsy, who had over **7.5 million** non-payroll artists and creators selling items in 2021 to the tune of over **\$2.3 Billion USD**.

Writers offer their own creative productivity in the **700,000 to 1 million** books that are published each year. It is estimated that **half of those books are self-published**, which means that those authors were smart enough to keep their Intellectual Property rights. Half of all books, self-published or not are educational or scientific. If you prefer blog articles, Wordpress accounts for more than **78 million articles posted per month**. That does not include professional journalists.

In the music world, Spotify sees more than **60,000** new tracks uploaded to the platform every single day. That’s **22 million** tracks per year.

Overall, the US Patent and Trademark office sees more than 285,000 utility patent applications, while the US Copyright Office registers copyrights on over 457,000 titles (books, art pieces, articles, and other copyrightable material) in that same year.

This gives you some idea of the scale of how many people are making, designing, creating, performing and producing unique intellectual property through singular and collaborative efforts. That’s great! So what’s the problem?

The Problem

Significant Productivity & Intellectual Property is being created every day, but only a small fraction is being measured, claimed, licensed and propagated.

- ▶ Each year 36 million technically-minded people are getting great ideas and only 285,000 of them filing for patents.
- ▶ Over 12 million artists, performers, writers and creatives are making original works every single day, but only 457,000 of those works are filed for copyright each year.
- ▶ Over 60,000 new songs appear on Spotify every day and the musicians see at best 8 thousands of one cent per song play.

- ▶ Over 2 Million new books are offered for sale worldwide each year leaving authors to compete in an ocean of new material and a distribution system designed to favor large marketing budgets and major publishing houses.

Engineers, Scientists, Makers, Doers, Creators, Musicians, Artists, Performers, and all the people who get big ideas and take action and make things, no longer have faith in the systems designed to claim, license and propagate their intellectual property. Direct to consumer methods are a step in the right direction, but that step does not take us far enough. Humanity needs a system that makes claiming, licensing and propagating your original works easy, immutable, provable, and profitable.

These systems are ripe for evolution, and frankly, a little revolution.

Our Solution: The Geode Blockchain Ecosystem

Blockchain and smart contracts to the rescue! Geode blockchain applications offer the ability to **register unique intellectual property and track scientific and creative works** of all kinds. More than that, Geode offers the opportunity for more **direct licensing, distribution and propagation** of that IP and productivity to consumers and collaborators, and **automated incentives to find and share the best undiscovered gems**. Even better, Geode apps build in the ability for users to be paid directly by advertisers for their time and attention to public ads and private messages.

Here are some specific apps that the Geode blockchain will be hosting first...

A Resume Revolution

Your resume is just a list of all the expertise you have picked up along the way from jobs, personal projects, acts of service, and educational milestones. What if you could record your expertise, experience, projects and educational milestones to the blockchain and have it endorsed by your school, coworkers, customers, and others? Imagine if the keywords from each of your experiences and projects formed a simple but surprisingly accurate view of your expertise? Understanding the whole picture of what you have accomplished personally and professionally over the course of your life is the magic to replacing that key person with someone very similar or to finding the perfect collaborator or freelancer with just the right combination of perspectives.

Original Intellectual Property

Geode makes it possible for engineers, scientists, musicians, artists and other creators to register their unique IP to the blockchain for an immutable timestamp and hash of the content that can prove the original state of their work. Once they register a claim in the system, they can offer downloads of their work to anyone for free or for a price. They can even offer incentives to their patrons and customers to spread the word through a mechanism we call Xeno's Incentive that gives early discovery and early adoption an edge, encouraging users to find the undiscovered gems and share them. Automation of these types of distribution and royalty systems is perfectly suited to blockchain and smart contracts.

Social

Follow your favorite accounts and post your own 140 character public broadcast messages that cannot be deleted, altered or censored! While you are at it, isn't it time you got paid directly for your time and attention? Let people know what you are interested in seeing and let advertisers pay YOU directly to include their posts in your feed.

Private Messaging

Private short form messaging between Geode accounts! While you are at it, isn't it time you got paid for your time and attention? Let people know what you are interested in seeing and let advertisers, recruiters, and others pay YOU directly to send DMs to your inbox.

Marketplace

Buy and sell products and services with no middleman taking a cut of your profits! Books, Music, NFTs, Clothing, Food, Services of all kinds, even Housing! Buy and sell all the things you need to live your best life right here on Geode.

Future Use Cases - Products, Tickets, Surveys, Temporal NFTs and Collaborative Creation

For future use cases on the Geode Application Ecosystem, we are already developing ideas for applications that let you:

- ▶ Establish, Fund, Perform and Pay **Milestone Contracts** for Business
- ▶ Sell **Products** and Event **Tickets**
- ▶ Incentivize People **Directly** For Responding To **Surveys**
- ▶ Offer **Temporal NFTs** Like Art That Changes Over Time or Event Tickets That Become Memberships and Discounts
- ▶ **StoryChains** - Crowdsource collaborative stories, track copyright shares among the contributors, and let those contributors decide what to do with their collective IP to monetize it, ensuring that their profits return in the correct proportions to each author.
- ▶ ... and these are just the beginning!

Project Architecture...

⌘ Technical Architecture

In this section, we will discuss the basic architecture of the Geode Blockchain, how applications are built on the blockchain through smart contracts, and the overall tokenomics of the Geode ecosystem.

The Geode Blockchain

The Geode Blockchain is **built on Substrate, open source, audited, stable and well thought out code that removes a number of vulnerabilities and challenges** seen in previous blockchain architectures. Substrate's creator, Dr. Gavin Wood, was a co-founder of Ethereum and wrote the Solidity smart contract language. He subsequently led a team to develop Substrate to overcome the limitations, challenges and security issues in Ethereum, Solidity, and other predecessor blockchain and smart contract designs. Substrate is a modular system of pallets written in Rust. It offers the **security** of the Rust programming language (no memory leaks!), with the ability to do **forkless upgrades** to the network. [You can explore Substrate's GitHub repository at this link.](#)

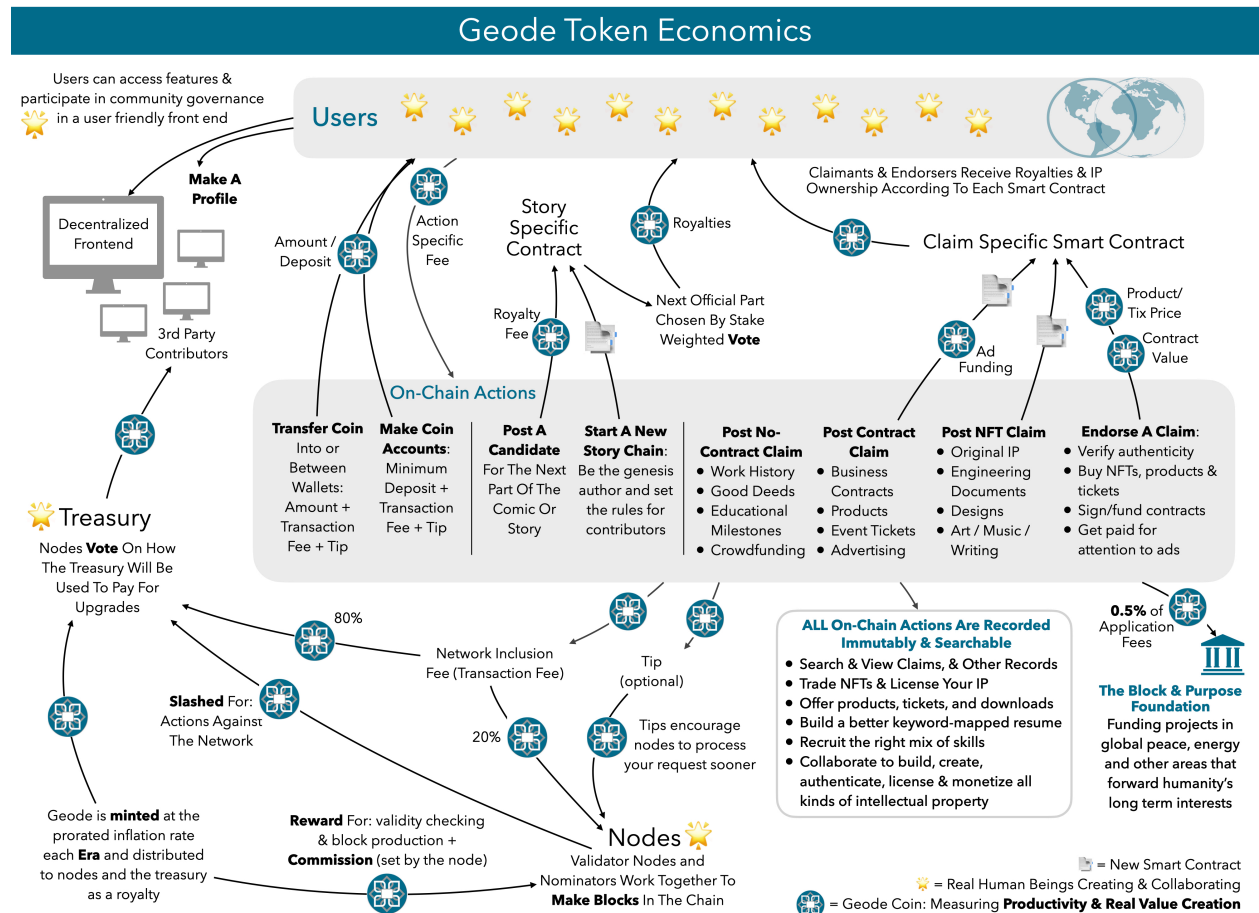
"[Rust] is type safe, memory safe, and free of undefined behaviors. It generates small binaries because it doesn't include extra bloat, like a garbage collector, and advanced optimizations and tree shaking remove dead code. Through compiler flags, Rust can automatically protect against integer overflow." - [ink.Substrate.io](#)

Geode uses a master node cloned straight from Parity's Substrate Kitchen Sink Node, using the BABE consensus algorithm and GRANDPA finality. BABE consensus is a **Nominated Proof of Stake (NPoS)** consensus algorithm, while the finality is handled separately through the GRANDPA pallet using a **Byzantine Fault Tolerant (BFT)** algorithm with an important distinction in that the algorithm can finalize several blocks at a time ([see more at this Medium article](#)). This ensures one single chain of record upon finality and a robust system to keep bad actors at bay. The baseline substrate code is so well thought out that for the Geode Blockchain, we left it unchanged. To customize Geode for our intended styles of applications, and to ensure smoother upgrades as time goes on, we opted to build our custom capabilities within smart contracts using the ink! smart contracts language.

Application Specific Smart Contracts

Applications on the Geode Blockchain are achieved through novel smart contracts, rather than through hard coded changes to the Substrate node runtime. Smart contracts are coded in [ink!, a smart contract language developed specifically for Substrate blockchains and written in Rust.](#)





Tokenomics

Token flow through the system consists of: first, token minting and flow through the chain itself, and second, token flow due to applications built on the Geode blockchain. Token minting and flow through the chain itself is governed by the standard Substrate runtime operating under Babe/Grandpa. These are identical to the methods used in the PolkaDot blockchain ([dive into the details of those interactions here](#)). Token flow through applications built on the chain can be seen in the diagram above, along with how tokens flow from those applications into the chain.

The Geode Token - Measuring Productivity, Creativity & Value

The Geode token is used to for **governance** and **participation rewards** on the Geode Blockchain and to use its associated **application ecosystem**. These tokens measure:

- ▶ **Voting Weight** - governance on the chain uses nominated proof of stake (NPoS) where nominators stake tokens to nominate a given set of validators. If the validator is chosen to create the next block, both the validator and their nominators are rewarded. Likewise, bad actor validators are slashed along with their nominators, allowing the system to naturally isolate and neutralize bad actors and those working against the system.

- ▶ **Contribution Value** - In the StoryChains use case, users propose the next part of the story, and stake against it. Users then vote on which proposed part will be the next entered into the StoryChain. The winner receives tokens (as a royalty) as well as a share of the collective intellectual property ownership of that StoryChain.
- ▶ **Royalties** - From songs to books, engineering diagrams, designs, and scripts, royalties of all kinds are measured and passed to the appropriate parties using the Geode token.
- ▶ **Product Value** - In future applications such as selling products, tickets, and NFTs of all kinds, Geode is used to measure and pass product value.
- ▶ **Time and Attention** - advertising and marketing professionals can use Geode tokens to reward users for their time and attention directly, increasing market interest and improving accuracy through openly declared user interests.

The Geode token is NOT a security, or an investment of any kind. We address these issues further in this whitepaper in the section on common issues, but the summary is:

- ▶ **Geode was NOT offered in an ICO** (initial coin offering). The team coding the Geode Blockchain and its initial applications is **self-funded in USD and not seeking any outside investment**. We make no claim or guarantee of increasing token value and tokens were not offered in exchange for pre-launch investment.
- ▶ Geode applications are bound to a **word-of-mouth-only marketing plan**. No hype. If the chain and its applications are creating real value from real productivity, the ecosystem will thrive.
- ▶ **New Geode is minted automatically over time on the chain**. If users want to acquire Geode, they must offer their own productivity via an application on the Geode Blockchain, put in effort as a validator or nominator and/or purchase tokens privately from an individual or through a licensed third party exchange. Users should note that third party exchanges may or may not choose to list the Geode token and there is no guarantee of such listing on any exchange.
- ▶ The value of the Geode token will NOT be determined by the efforts of any third party, but solely by the productivity, creativity, time and attention (or lack thereof) of the users themselves. The users ARE the governance of the Geode system and wholly responsible for its continued operation. There are no guarantees that the token will ever have any value outside of the Geode application ecosystem.

Governance

The Geode Blockchain is governed by its validators, nominators and users. Referenda and voting takes place on the decentralized interface. All users are staked in order to vote and voting is both stake-weighted and conviction-weighted (so that whales cannot dominate a vote).

Inflation - How New Tokens Are Minted Each Era

New Geode tokens are minted on the chain, directly to validators, nominators, and the treasury, based on the annual "inflation" percentage of 3% per year. The system automatically mints this percentage of staked token over the course of a year, minting some each era. These tokens are used to reward community members acting as nominators and validators and by the treasury to benefit the chain ecosystem. The inflation percentage is increased or decreased over time automatically to influence an ideal ecosystem-wide staking rate of 50-75%.

Conviction Voting Neutralizes Whale Dominance

An initial stock of coin was minted in the Genesis block and distributed as a royalty to the project team who created or contributed to the creation of the Geode Blockchain. Although this is a typical practice, it does mean that the initial founders, Validators and Nominators have, in the beginning, enormous stake weight (should they choose to stake it all). So what if the founders and early contributors, or any other whale that comes along later, use their large stake to dominate the voting?

Meet the concept of Conviction Voting. Geode uses **Substrate's Time-Locked Conviction Voting** to neutralize founder and whale voting influence. Holding only a small amount of tokens, a user can still have massive influence on a vote by volunteering to lock up their tokens for a longer period of time, as a show of how deeply they are convicted to their vote. That measure of conviction multiplies their voting power. **Using Conviction Voting allows one or more smaller-staked users to overpower the votes of any one or more whales.**

Geode Network Implementation...

Growing The Network

Growing the network for the Geode Blockchain is focused in two areas: Adding Validators and Nominators to the blockchain network and adding Users to the application ecosystem. Both are equally important as neither can sustain the network without the other.

Turning Application Users Into Active Community Members

The application ecosystem will only be as good as its user base. Geode has adopted a **word-of-mouth-only marketing plan and a no-hype policy**. Why? Hype pumps up the user base too quickly, over-inflating token value, leading to poor user experience and volatility. These are mistakes we would like to avoid. The Geode Ecosystem prefers to attract **organic growth that lasts**. In the book, *Contagious: Why Things Catch On*, author Jonah Berger reveals that **86% of all product recommendations are made between friends, family and coworkers in the real world, at offices, community events, children's activities, and backyard parties and NOT online**. If an application is good, people will want to share it. Focusing on applications that are practical, productive and fun, and making it easy to join in, will be the key to increasing user base in an organic way over time.

Scaling Nodes Through Incentives & Profitability

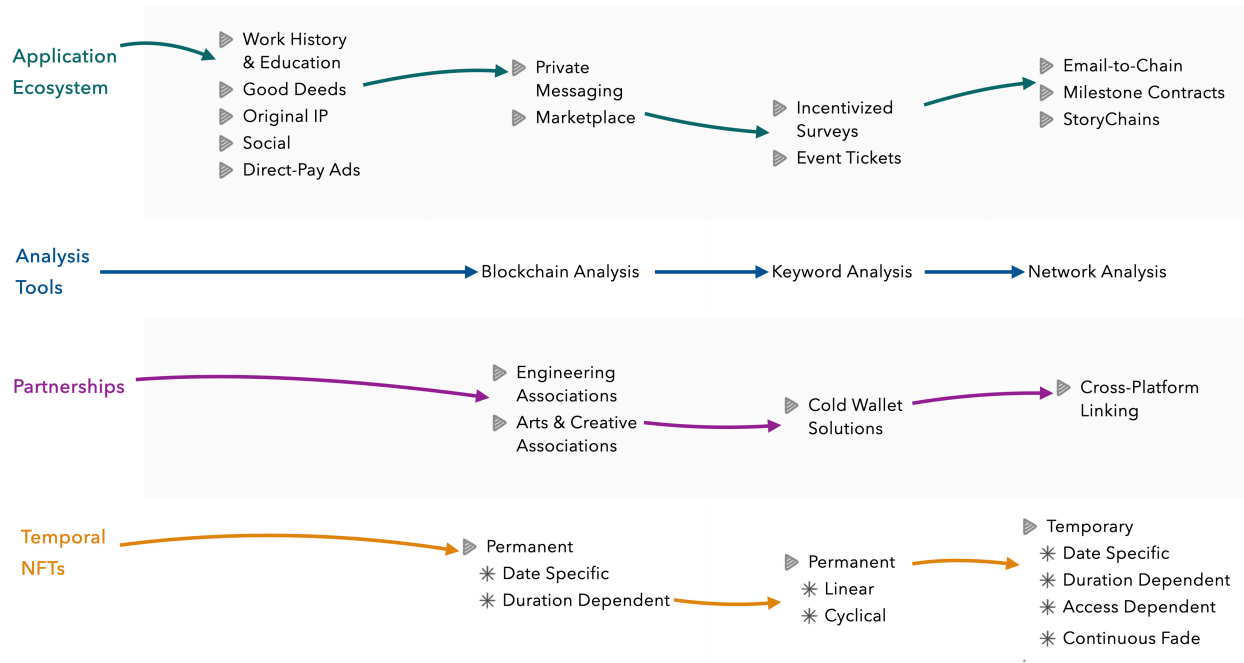
Nominators and Validators will be recruited primarily from among application users. It should be easy and rewarding to become a Nominator or Validator. The Geode Blockchain has easy to follow instructions on how to support the community in these ways. The runtime will be **openly available to anyone with an average laptop or desktop computer**. Because Geode runs on a Nominated Proof of Stake system, high end computing equipment is not necessary. Future releases will also offer the option to **make your smartphone a lite node**. Validators run full nodes or archive nodes on their computers and are chosen through the consensus algorithm to make blocks, **earning tips and a self-determined portion of the transaction fees** in the process. Nominators stake against validators and **earn a reward** when their nominated validator creates a block. **Inflation adds further incentive** by rewarding both Validators and Nominators with newly minted coin. This makes working as a Nominator or Validator inherently profitable, even when transaction volume is low.

The Geode Validator & Nominator Incentive Program (GeodeVIP)

The purpose of our program is to incentivize the first 60 validator nodes to join and get involved. We want to reward top performing validator nodes AND the people (users, nominators, and other validators) who brought them into the Geode ecosystem. **We are happy to put forth what may be the most rewarding validator incentive program in the blockchain industry today. Geode is pre-staking the first 60 Validator Nodes and the first 30 Nominators.** See the program at BlockAndPurpose.com for more details.

Roadmap

While we would love to offer all the things on day one, we have reserved several application use cases, partnership opportunities, analysis tool developments and other milestones for our future Roadmap. **Ultimately the community of nodes and users will decide what features are supported when**, but this roadmap gives us a vision to work on together to get us started.



Our Team

Sparticle Concepts LLC

Sparticle Concepts LLC consists of just two people with a **combined 5 technical degrees and 64 years of industry experience**. With experience comes two critical things: **expertise and patience**.

Dr. Amy K C Messegee, PhD (CEO)

Dr. Amy Kathryn Colleen Messegee, known as Guru Kathryn, is an American-born humanitarian, advisor, author, and mathematician with more than 32 years of industry experience. Her summer job at 16 was doing scientific research at NASA. Before her 25th birthday she earned her Ph.D in Mathematics (Specialty: Nonmonotonic Reasoning) and was speaking to conferences on human reasoning and how to make the infinite temporarily finite. A hyper-polymath, her career has enjoyed a ride through six different industries where she gathered the expertise and the patience to undertake a project as big and as important as Geode. In each of these, the theme is always the same: aggregating seemingly unrelated perspectives to distill a new approach for accelerated results. She has published 16 books, hundreds of articles and papers, dozens of unique art pieces and released 6 albums.



Mr. Thomas R Messegee (Chief Scientist)

Mr Thomas (Tom) Messegee, is an American-born engineer, scientist and language enthusiast. He began his career in the US Navy's Nuclear Power program, undertook critical technical missions on our nations submarines, and enjoyed a total 42 years of experience in the Defense industry. He has worked with technical program development and deployment from under water to on orbit in aspects from software to hardware systems alike. Complex, and novel technology developments in highly regulated and consensus oriented environments were the norm as he saw projects from design to launch and operation.



Over the years, this husband-wife team has worked together on several projects over many different industries, gathering the expertise that they bring to the Geode development today.

The chart below shows how their combined experience across industries applies to the Blockchain Industry today.

Industry	Academia	Defense Tech.	Online Media	Venture Capital	Private Ed.	Personal Dev.
Role	Professor of Mathematics	Scientist / CTO / DARPA / Program Manager	Founder: Biz Website & Video Podcast (1.3M Reach)	Evaluating Technologies & Reading Founders	Founder: Network of Elite Private Instructors	Consultant, Author, Podcaster, & Artist
Working within community governance	✓	✓				
Making complex information easy to understand	✓	✓	✓	✓	✓	✓
Managing complex & cutting edge technical developments		✓ (52 yrs combined experience)				
Managing budgets (Bootstrap to \$4B+)		✓	✓		✓	
Understanding and navigating legal and regulatory issues	✓	✓		✓		
Media interaction			✓			✓
Reading people	✓	✓		✓	✓	✓
Assembling and motivating large teams	✓	✓			✓	✓
Working with volunteers	✓					✓
Understanding The Needs Of Individuals And Businesses in Diverse Industries	✓	✓	✓	✓	✓	✓

Contributors

The Geode Blockchain Ecosystem welcomes contributors who share our vision.

The Geode Community Of Volunteers

Geode’s development has been carried out by an **all-volunteer team of people from all over the world**. Our community believes in the mission, and in building what humanity needs Geode to be. Not a single contributor was paid in fiat currencies. Now that Geode is up and running, contributors put in treasury proposals, tip proposals and bounties for their contributions and for the contributions of others alike. Contributions are rewarded in Geode.

Build3 Foundation & the Build3 Network

Kindred spirits, the Build3 Foundation and its associated Build3 network have symbiotic goals with Geode. They are undertaking blockchain development projects specific to the construction engineering design and permitting industry. Their use cases have provided important inspiration. We continue to meet regularly and contribute to each other's mission.



The Ingenesist Project

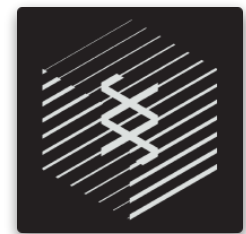
The Ingenesist Project celebrates over a decade of online presence representing more than 2 decades of research and the collaboration by more than 120 researchers, engineers, and scientists from some of the most important corporations and institutions in the world. Their goal is to unify the global engineering and scientific communities. Their community of members are trusted advisors and early users of the Geode Blockchain Network.

The Ingenesist Project

Think Bigger. Aim Higher. Go Further.

Parity Technologies & The Substrate Community

We have become major fans of Parity Technologies and their community who built Substrate and continues to improve it to this day. Their architecture and code is incredibly well thought out and the foundation of Geode. More than that, they are generous with their time and expertise, advising us (and others building in Substrate) as needed, as we have learned and progressed in our project. *Thank you, Parity!*



Want To Join In?

Geode is on a mission to define a new economic model that benefits all of humanity while reshaping the way IP, human productivity, creativity, time and attention is measured, claimed, licensed and propagated. Join us! We welcome all collaborators and contributors.

Geode's Answers To Common Industry Issues

The Geode Blockchain and Application Ecosystem seeks to address the challenges of the current regulatory, legal and industry environment while still innovating ways to bring the best capabilities of blockchain technologies to market.

Initial Coin Distribution & Associated Restrictions

There was an initial distribution of coin to the project contributors, beta testers, and The Block And Purpose Foundation for their efforts and involvement in making the Geode Blockchain a reality, and to help the system start smoothly, without too much volatility.

Recipient	Amount (in thousands)	% of Total Distribution	Restrictions
TOTAL	9,000,000	100%	
The Block And Purpose Foundation	4,500,000	50%	Transfer Only
			<ul style="list-style-type: none"> ▶ Cannot sell token or buy token, but can accept token donations. ▶ Can award and transfer token to projects chosen by the Foundation. ▶ Advanced public disclosure of all coin awards. (visit the announcements page) ▶ Award criteria to be set by the Foundation, managed by Thomas and Amy Messegee, with a focus on projects in the areas of global peace, energy and other causes that forward humanity's long term interests. ▶ Projects receiving token awards may sell tokens to fund their efforts in their local fiat currencies or may use the tokens themselves to forward their efforts in accordance with their award statements of work.
The Project Team	4,050,000	50%	(Total project team distribution)
Sparticle Concepts LLC	990,000	11%	<i>Restricted Exchange Listing Account</i>
			<ul style="list-style-type: none"> ▶ Main account for connecting the Geode asset to exchanges. ▶ Will not trade more than 25% of average daily USD volume (trailing 30 days) on any one day. ▶ Advanced public disclosure of future transactions ▶ Will not buy at higher than the last transacted price or the current bid ▶ Will not sell lower than the last transacted price or the current offer
Dr Amy Messegee	1,080,000	12%	<i>Market Mover Restrictions</i>
			▶ Advanced public disclosure of any transactions over 25% of the average daily volume in USD (visit the announcements page)
Mr. Thomas Messegee	1,080,000	12%	<i>Market Mover Restrictions</i>
			▶ Advanced public disclosure of any transactions over 25% of the average daily volume in USD (visit the announcements page)
Collaborators, Validators and Nominators	900,000	10%	<i>None</i>
Beta Testers	450,000	5%	<i>None</i>

KYC/AML and Regulatory Compliance

While the nature of Geode’s applications does not currently require KYC/AML plans and reporting, we feel the need to put in place certain protections for our users and for those who may build applications on the Geode Blockchain over time.

Suspicious Activity Monitoring & Reporting

As we recognize that applications such as Geode Social and Geode Marketplace offer the potential for illegal activity, money laundering and terrorist financing, and as we have no interest in allowing such activity to prevent or muddy the innovative and creative activities of legitimate users, we will be instituting suspicious activity monitoring and reporting processes and procedures anyway from day one to protect our users. Features within the front end allow users to spot suspicious activity, and to investigate and report that activity to authorities when evidence of illegal activity comes to light. As Geode is a public blockchain, the community (and law enforcement agencies worldwide) have full visibility into every transaction on the chain and tools to investigate the sources of suspicious activity.

Regulatory Compliance

We are cognizant of the quickly changing landscape of the blockchain and cryptocurrency regulatory environment. Understanding that state, federal and international laws change often, we keep a close eye on any of the following relevant to Cryptocurrency, Blockchain and NFTs:

- ▶ State legislation under consideration and/or recently passed
- ▶ US Federal legislation under consideration and/or recently passed
- ▶ International regulatory changes or changes under consideration
- ▶ Actions or statements by the SEC, CFTC, FinCEN and other relevant entities

Our intention is to not be caught off guard on any new regulatory requirements that might occur, and to have plenty of time to update software, reporting, and other aspects of operations as needed for full compliance.

Geode’s Solutions To Other Common Token & Chain Issues

* Inspired by [CoinBase’s blog](#).

Common Issues	Geode’s Solutions
Securities, Promises of Profit & Other Shady Dealings	
Claims or promises about future token value.	No promises here. We promote the applications, not the token.
Token ICOs.	No ICOs here.
No real utility.	Geode is excited to offer a token to measure real human productivity, creativity and intellectual property creation.

Common Issues	Geode’s Solutions
Token distribution before the platform goes live.	The Geode blockchain, initial token distribution and the associated interface went live together.
No information on key individuals.	On the contrary, there is more information available than our introverted team members would prefer. See the Team section in this whitepaper and their associated websites.
Shady sources of funding.	The team at Sparticle Concepts LLC is self-funded from a life of working and saving. We are frugal by nature, preferring to bootstrap. All contributors have volunteered their efforts to be able to shape the applications to their preferred use cases.
Association with prohibited business categories.	Prohibited (illegal) business categories are not allowed on the platform and are subject to being reported to their local authorities. The Geode community polices itself and readily reports suspicious activity.
Superuser Privileges & Centralization	
Super User Privileges can be abused through unilateral action and/or super user account codes are held by one person or one system.	The Geode Blockchain currently includes the standard Substrate pallet called Sudo. Sudo will remain in place through the beta test phase requiring two people to access it. When the community is stable, the Sudo will be removed and no single account will have super user access . All root calls will be done through referenda which must pass through approval of the Council, the Technical Committee and the Users at large.
Centralized nodes could influence the chain.	While we must necessarily build up the network one node at a time, we do not plan to stay small, centrally controlled or co-located. Geode nodes currently span multiple locations and countries and seek the largest possible number of nodes, and node owners in the most diverse locations possible to offer maximum stability to the network.
A central team controls all the code with little to no 3rd party contributions.	Our team has been fortunate to use code by Parity’s Substrate which accounts for 99% of all the code we use, as well as an enthusiastic set of third party contributors from Build3 network, and other organizations who have contributed expertise, reviewed our smart contract code, and contributed expertise of their own to the custom smart contracts and front end.
The project team has a significant proportion of tokens, and can dominate community governance, risking censorship or double spending.	Geode uses Substrate’s Time-Locked Conviction Voting to neutralize founder and whale voting influence. Holding only a small amount of tokens, a user can still have massive influence on a vote by volunteering to lock up their tokens for a longer period of time, as a show of how deeply they are convicted to their vote. That measure of conviction multiplies their voting power. Using Conviction Voting allows one or more smaller-staked users to overpower the votes of any one or more whales.
Novel Or Unverified Code	
Private source code	The Geode Blockchain is built on a clone of Parity’s Substrate Kitchen Sink Node - open source, audited code written in Substrate/Rust . Customizations were done through smart contracts written in Ink! . Our base code is available for anyone to review , and to contribute to, <u>at our GitHub repository</u> .
Unaudited code	
Non-standard code	

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We look forward to hearing from you!