

2023

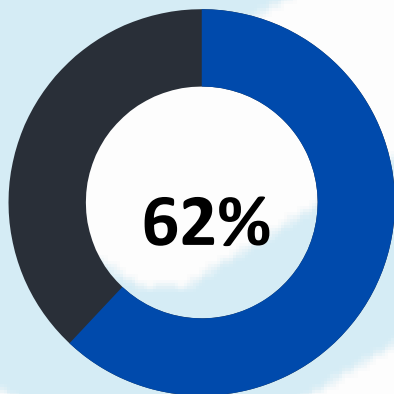
Gmeta white paper

Game Entertainment

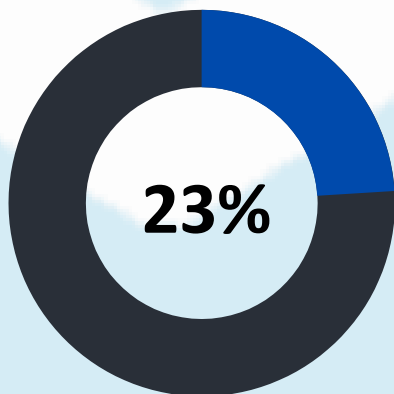
Metaverse

In this white paper, we will provide a detailed introduction to Gmeta's market positioning, product services, technical architecture, and economic model. We will also explain information about our team composition, development plans, and legal compliance to help readers understand and evaluate our project from multiple perspectives.

Technology and Business



Business logic ratio



Technology
framework ratio

Introduction to Research

25000 words

The total number of
the entire text.

13 individual

Direction classification

3 individual

Stage Development

Welcome to Gmeta, a technology observatory driven by DAO and heading towards the gaming and entertainment industry with the metaverse as its ultimate goal.

On this ecological stage, innovative business thinking, first-class technical strength, and infinite possibilities come together to create an unprecedented force. Today, we welcome you to explore and embark on a wonderful journey into the metaverse with us.

Introduction

Purpose of the GMETA Project Whitepaper

The GMETA whitepaper aims to introduce users to the core concepts, vision, objectives, and strategies of the GMETA project, while providing detailed information and plans for potential investors, partners, developers, and community members to understand the project's value and direction. It serves as an important promotional and communication tool for the GMETA project, aiming to build trust, attract the attention and support of stakeholders, and foster the project's sustainable development.

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GMETA Project Background:

With the continuous development of blockchain and cryptocurrency technologies, the concept of the metaverse has become a hot topic in the gaming and entertainment industries. The metaverse is a virtual, fully interconnected digital world where users can explore, interact, and create. It combines technologies such as virtual reality (VR), augmented reality (AR), artificial intelligence (AI), and blockchain to create a digital space with unlimited potential and creativity.

The GMETA project was born to build a comprehensive platform that supports the development of the metaverse industry. GMETA aims to provide a range of basic tools and solutions for developers, creators, and users to promote innovation and development in the metaverse.

In the gaming and entertainment industry, GMETA recognizes some of the problems existing in the traditional gaming industry, such as centralized power structures, closed virtual assets, and limited gaming experiences. By adopting blockchain technology and decentralized concepts, GMETA aims to break these limitations and create a more open, fair, and enjoyable gaming environment for game developers and users.

Furthermore, the GMETA project recognizes the immense potential and allure of the metaverse

industry. The metaverse is not limited to gaming alone; it can also be applied in entertainment, social, artistic, educational, and other domains. GMETA aims to provide more opportunities and possibilities for creators and users from different industries by building a platform that supports multi-domain applications.

The background of GMETA is based on in-depth research and understanding of the metaverse industry, as well as leveraging the advantages of blockchain and cryptocurrency technologies. By providing rich tools and solutions, GMETA aims to drive the development of the metaverse, facilitating the transformation and innovation of the gaming and entertainment industry.

Goals of the GMETA Project:

The specific goals of the GMETA project are as follows:

1. Provide basic tools and solutions: GMETA aims to provide a wide range of basic tools and solutions for developers, creators, and users, covering aspects such as virtual asset management, game development, metaverse infrastructure, DAO governance, game operation analysis, social interaction, and more. Through these tools and solutions, GMETA aims to lower entry barriers, increase efficiency, and promote the creation of creativity and value.
2. Foster connections between the metaverse and the real world: GMETA is dedicated to establishing connections between the virtual world and the real world, enabling users to derive real value and experiences from the metaverse. GMETA will explore mechanisms such as cross-chain interoperability, asset exchange, and data sharing to facilitate convenient and seamless communication between the virtual and real worlds.
3. Foster a thriving and developing ecosystem: GMETA aims to establish a thriving metaverse ecosystem that attracts more developers, creators, and users to participate. Through incentive mechanisms, ecosystem collaborations, and crowdfunding models, GMETA aims to create an open, fair, and vibrant ecosystem that accelerates the rapid growth of the metaverse industry.
4. Promote decentralized governance and community participation: GMETA adopts a decentralized autonomous organization (DAO) governance model, encouraging community members to actively participate in decision-making and project development. Through voting and proposal mechanisms, GMETA aims to establish an open, transparent, and democratic decision-making process that ensures the interests of the community are fully considered and promotes the mutual development of the ecosystem.
5. Achieve cross-industry applications and collaborations: GMETA recognizes that the potential of the metaverse extends beyond the gaming and entertainment industries and encompasses education, art, social, and other domains. Therefore, GMETA actively seeks cross-industry collaborations and applications to drive innovation and the application of metaverse technology in a broader range of fields, providing more opportunities and development space for creators and users from different industries.

By achieving these goals, the GMETA project aims to become a significant driver and supporter of the metaverse industry.

Vision of the GMETA Project:



To build a global, freely open metaverse ecosystem that creates rich virtual experiences and an infinite creative space for people.

The detailed explanation of the vision of the GMETA project is as follows:

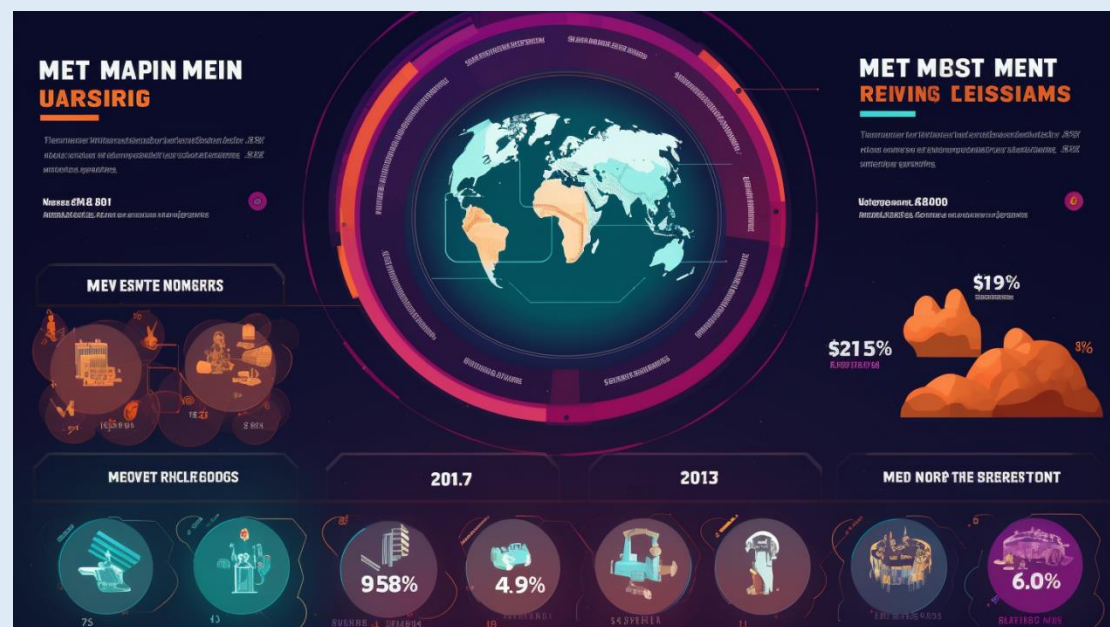
1. **Global metaverse:** GMETA is committed to breaking the limitations of geography and borders, bringing the metaverse to users worldwide. Through technology and innovation, GMETA enables users to connect and interact in the virtual world, collectively building a global metaverse community and achieving a truly globalized experience.
2. **Freely open creative space:** GMETA envisions providing a freely open creative space where users can unleash their imagination and create their own virtual worlds and experiences. Whether they are game developers, artists, or ordinary users, they can find opportunities to realize their creativity and dreams on the GMETA platform.
3. **Cross-domain integration and innovation:** GMETA believes that the potential of the metaverse is not limited to the gaming and entertainment domains but can permeate various industries and fields. Therefore, GMETA's vision is to promote cross-domain integration and innovation, applying metaverse technology to education, art, social, and other domains, creating new application scenarios and business models.
4. **Decentralized autonomy and sharing:** GMETA advocates decentralized governance and autonomy principles. By adopting a decentralized autonomous organization (DAO) model, GMETA facilitates community participation and decision-making, ensuring that the platform's development aligns with the consensus of the community. Additionally, GMETA encourages users to share and exchange their creations and virtual assets, establishing a

sharing economy within the metaverse community.

5. Sustainability and ecosystem prosperity: GMETA focuses on the sustainable development and prosperity of the project's ecosystem. Through a well-designed economic model and incentive mechanisms, GMETA aims to attract more developers and creators to join the ecosystem, collectively driving the development and prosperity of the entire metaverse industry.

By realizing this vision, the GMETA project will bring more rich, diverse, and meaningful virtual experiences to global users, making the metaverse an integral part of people's lives.

Market Analysis



Market Analysis of the Overall Gaming and Metaverse Industries:

The overall gaming and metaverse industries are currently thriving markets. Here is an analysis of these industries from three aspects:

Market Size:

Gaming Industry: The global gaming market has a massive and continuously growing scale. According to predictions, the global gaming market revenue is expected to surpass \$300 billion in 2023. The Asia-Pacific region is the largest gaming market, followed by North America and Europe.

Metaverse Industry: The metaverse industry is an emerging market with significant potential. Although the market size is relatively small at present, it is expected to exceed \$1 trillion by 2030, driven by technological advancements and growing user demand.

Growth Trends:

Gaming Industry: The mobile gaming sector is a major driving force in the gaming market, benefiting from the widespread adoption of smartphones and internet connectivity. Esports is also a rapidly growing field, attracting a large audience and investments. The application of virtual reality and augmented reality technologies has also brought new possibilities for gaming experiences.

Metaverse Industry: The metaverse industry is experiencing continuous growth driven by technological advancements. Progress in virtual reality, artificial intelligence, blockchain, and cloud computing provides support for the development of the metaverse. User demand for immersive experiences, social interaction, and virtual assets is also increasing.

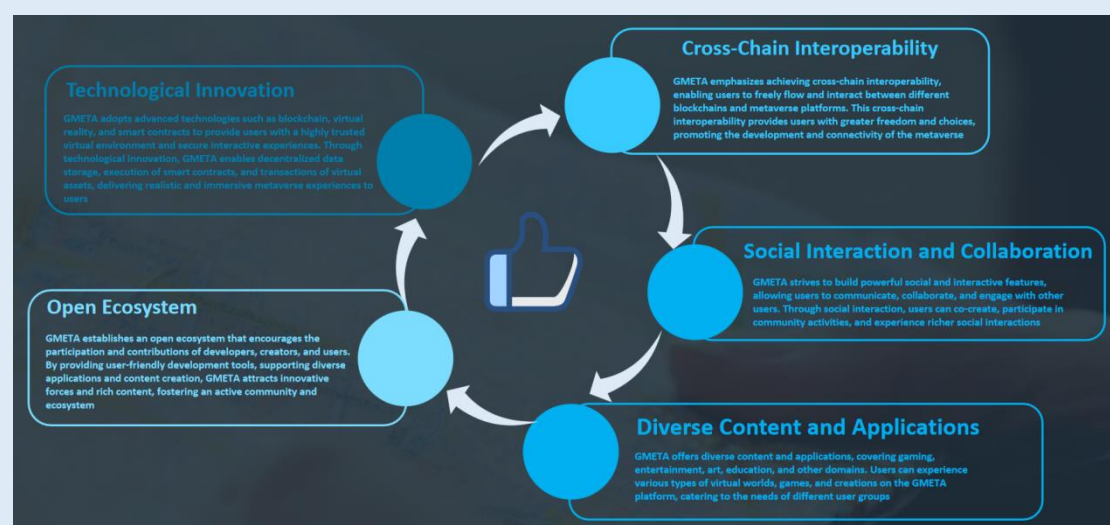
Competitive Landscape:

Gaming Industry: The gaming industry is highly competitive, with numerous game developers and publishers. Large gaming companies such as Tencent, Electronic Arts, and Sony Interactive Entertainment have strong competitive capabilities on a global scale. At the same time, independent developers and small game companies are also making their mark in different domains and market segments.

Metaverse Industry: The metaverse industry is in its early stages, and the competitive landscape is relatively fragmented. Startups and projects have emerged in areas such as virtual social platforms, digital asset trading platforms, and metaverse game development. Additionally, large technology companies such as Facebook, Google, and Amazon are also entering the metaverse industry.

Both the gaming and metaverse industries have significant market potential and growth opportunities. GMETA, as a project that integrates the gaming and metaverse industries, aims to leverage technological innovations such as blockchain and smart contracts to provide enhanced user experiences, create value, and drive industry development.

Positioning and Competitive Advantages of the GMETA Project in the Market:



The positioning of the GMETA project in the market is to become an open and innovative metaverse platform, aiming to create a truly limitless virtual world that connects gaming, entertainment, and social domains. GMETA is committed to providing rich virtual experiences,

diverse content, and interactive ways for users to freely explore, create, and share.

The competitive advantages of the GMETA project are primarily reflected in the following aspects:

1. **Technological Innovation:** GMETA adopts advanced technologies such as blockchain, virtual reality, and smart contracts to provide users with a highly trusted virtual environment and secure interactive experiences. Through technological innovation, GMETA enables decentralized data storage, execution of smart contracts, and transactions of virtual assets, delivering realistic and immersive metaverse experiences to users.
2. **Open Ecosystem:** GMETA establishes an open ecosystem that encourages the participation and contributions of developers, creators, and users. By providing user-friendly development tools, supporting diverse applications and content creation, GMETA attracts innovative forces and rich content, fostering an active community and ecosystem.
3. **Cross-Chain Interoperability:** GMETA emphasizes achieving cross-chain interoperability, enabling users to freely flow and interact between different blockchains and metaverse platforms. This cross-chain interoperability provides users with greater freedom and choices, promoting the development and connectivity of the metaverse.
4. **Social Interaction and Collaboration:** GMETA strives to build powerful social and interactive features, allowing users to communicate, collaborate, and engage with other users. Through social interaction, users can co-create, participate in community activities, and experience richer social interactions.
5. **Diverse Content and Applications:** GMETA offers diverse content and applications, covering gaming, entertainment, art, education, and other domains. Users can experience various types of virtual worlds, games, and creations on the GMETA platform, catering to the needs of different user groups.

With the above positioning and competitive advantages, the GMETA project has the potential to stand out in the metaverse industry, attracting the attention and participation of users and partners, and building a thriving metaverse ecosystem.

Project Overview



The core concepts of the GMETA project can be summarized as follows:

1. **Openness and Freedom:** GMETA advocates for an open platform and ecosystem, encouraging participation and contribution from all parties. It aims to break down barriers in the traditional entertainment industry, enabling more people to freely engage in the creation and experience of the metaverse. GMETA provides open development tools, content creation platforms, and communication channels, empowering everyone to unleash their creativity and imagination.
2. **Blockchain Technology and Decentralization:** The GMETA project is built on blockchain technology, leveraging smart contracts and the decentralized nature of blockchain to ensure true ownership, secure transactions, and traceability of virtual assets. Through blockchain technology, GMETA offers a transparent and trustworthy platform that protects user rights and promotes community autonomy and collaboration.
3. **Immersive Experience and Creativity:** GMETA is committed to providing immersive virtual experiences that allow users to explore, interact, and create within the metaverse. It integrates technologies such as virtual reality, augmented reality, and smart contracts to create a realistic and diverse virtual world. Users can engage in activities such as gaming, entertainment, and artistic creation through GMETA, experiencing new ways of virtual interaction and creative possibilities.
4. **Social Interaction and Collaboration:** GMETA encourages social interaction and collaboration among users, building a vibrant and interactive community. Users can communicate, collaborate, and share with other players, creators, and developers, collectively shaping and enriching the content and experiences within the metaverse. GMETA provides social features, group activities, and collaboration tools to facilitate user interaction and cooperation.
5. **User Value and Sharing:** GMETA recognizes the value and contributions of users on the platform, encouraging their active participation and sharing in the development outcomes.

Users can earn profits and rewards by engaging in games, creating content, and promoting activities, sharing in the platform's growth and success. GMETA aims to create a user-centered ecosystem where everyone can share in the platform's development achievements.

The core concepts of the GMETA project are openness, freedom, decentralization, immersive experience, social interaction, and user value sharing.

GMETA Target Markets:

The target markets for GMETA primarily include the gaming and metaverse industries. The following are detailed explanations of these two markets:

1. **Gaming Industry:** GMETA targets the gaming industry, including various forms of electronic games, mobile games, and esports. It is a vast and continuously growing market with billions of gamers worldwide. GMETA aims to attract developers, creators, and players by providing development tools, content creation platforms, and virtual interactive experiences, thereby driving innovation and development in the gaming industry.
2. **Metaverse Industry:** The metaverse is a virtual world that is interconnected with the real world, encompassing various digital assets, content, and experiences. GMETA positions itself within the metaverse industry, aiming to provide support and infrastructure for its development. With advancements in virtual reality, augmented reality, blockchain, and smart contracts, the metaverse industry presents significant potential and growth opportunities. GMETA attracts users to participate in the metaverse by offering immersive experiences, social interaction, and digital asset trading functionalities, thereby driving the development and prosperity of the metaverse industry.

GMETA's target markets are the gaming industry and the metaverse industry. By providing an open platform and tools, GMETA aims to attract developers, creators, and users to foster innovation in the gaming industry and the development of the metaverse industry.

GMETA Target User Groups:

GMETA's target user groups encompass the following aspects:

1. **Game Developers:** GMETA aims to attract game developers to join its ecosystem, including independent developers, game studios, and game publishers. It provides them with comprehensive tools, SDKs, and development documentation to facilitate the creation and release of blockchain-based games, enabling features such as in-game economies, virtual asset management, and trading.
2. **Creators and Content Providers:** GMETA encourages creators and content providers to participate in its ecosystem. Whether they are game character designers, scene modelers, sound engineers, video producers, or digital artists, they can showcase and sell their works on the GMETA platform, engage in communication and collaboration with players and other creators.
3. **Game Players and Entertainment Enthusiasts:** GMETA's goal is to provide game players and

entertainment enthusiasts with richer and more immersive gaming experiences. Through the GMETA platform, they can participate in virtual worlds, interact with other players, collect and trade virtual assets, and even engage in the construction and governance of the metaverse.

4. **Metaverse and Blockchain Enthusiasts:** GMETA's positioning in the metaverse industry attracts users interested in the metaverse and blockchain technologies. They seek to experience the decentralized, verifiable, and virtual economy potential brought by GMETA's platform.

GMETA's target user groups include game developers, creators and content providers, game players and entertainment enthusiasts, as well as users interested in the metaverse and blockchain technologies. By attracting and meeting the needs of these users, GMETA aims to build a thriving, innovative, and vibrant ecosystem

Technical Architecture



Choice of Underlying Blockchain Technology for GMETA

GMETA has chosen underlying blockchain technology as its foundational infrastructure to support the development and establishment of its metaverse ecosystem. Here are detailed explanations regarding the selection factors for GMETA's underlying blockchain technology:

1. **Scalability:** Considering the scale and complexity of the metaverse, GMETA has chosen an underlying blockchain technology with high scalability. This means the technology can handle a large volume of transactions and user activities to support gaming and entertainment applications within the metaverse.
2. **High Performance:** To ensure users have a fast and seamless experience, GMETA has chosen

a high-performance underlying blockchain technology. This technology offers high throughput and low latency, enabling quick transaction processing and confirmation, facilitating efficient user interaction and gameplay.

3. **Smart Contract Support:** GMETA requires an underlying blockchain technology that supports the development and execution of smart contracts. Smart contracts are essential tools for constructing economic systems and facilitating virtual asset transactions within the metaverse. Therefore, GMETA has chosen a blockchain technology with robust smart contract capabilities.
4. **Cross-Chain Interoperability:** Considering the possibility of interactions between multiple blockchains and digital assets within the metaverse, GMETA has chosen an underlying blockchain technology with cross-chain interoperability. This technology allows seamless interaction and asset transfers between different blockchains, providing broader opportunities for participation and collaboration.
5. **Privacy Protection:** To meet user demands for privacy and security, GMETA has taken into account privacy protection features in the underlying blockchain technology. This technology can employ mechanisms such as zero-knowledge proofs and homomorphic encryption to ensure effective protection of users' personal information and transaction data.

In selecting the underlying blockchain technology, GMETA has considered factors such as scalability, high performance, smart contract support, cross-chain interoperability, and privacy protection. Such choices contribute to building a robust, secure, and sustainable metaverse ecosystem.

Design of GMETA Smart Contracts

GMETA's smart contracts are designed to support the functionality and operation of its metaverse ecosystem. Here are detailed explanations of the design aspects of GMETA's smart contracts:

1. **Virtual Asset Management:** GMETA's smart contracts encompass management functionalities for virtual assets. This includes issuance, transfer, and trading of virtual currencies (such as GMETA tokens) as well as the creation and trading of other non-fungible tokens (NFTs). Smart contracts define the relevant asset structures and attributes to ensure the uniqueness and tradability of virtual assets within the metaverse.
2. **User Identity Verification and Permission Management:** To protect user data and transaction security, GMETA's smart contracts implement user identity verification and permission management mechanisms. Users need to register and obtain a unique identifier within the contract through an identity verification process to participate in metaverse activities. The contract also defines permission levels for different user roles to control their operations and access within the system.
3. **Game Logic and Rule Enforcement:** GMETA's smart contracts include the implementation of

game logic and rules. These rules can encompass game mechanics, reward mechanisms, mission and achievement systems, among others. Smart contracts automatically execute game operations based on predefined game rules and provide corresponding rewards or deductions of resources based on player performance.

4. **Profit Distribution and Incentive Mechanisms:** To incentivize user participation in the metaverse ecosystem, GMETA's smart contracts define profit distribution and incentive mechanisms. The contracts automatically calculate and allocate rewards based on user contributions and level of engagement. This can include incentives in the form of game earnings, token rewards, equity dividends, and other forms.
5. **Cross-Chain Interoperability Support:** To achieve interoperability with other blockchains and metaverse ecosystems, GMETA's smart contracts are designed with cross-chain interoperability support. This enables seamless interaction and asset transfers between GMETA's virtual assets and assets on other blockchains, expanding opportunities for user participation and collaboration.
6. **Protocol Upgrades and Governance:** To maintain system flexibility and sustainability, GMETA's smart contracts support protocol upgrades and governance mechanisms. Contracts can be updated and improved through proposals and voting to adapt to evolving needs and technological developments.
7. **Reliability and Security:** GMETA's smart contract design focuses on ensuring the reliability and security of the contracts. Contract code undergoes rigorous audits and testing to ensure proper functioning and prevent security vulnerabilities. Additionally, best security practices and encryption techniques are employed to safeguard user assets and privacy.
8. **Transparency and Verifiability:** GMETA's smart contract design emphasizes transparency and verifiability. All contract operations and transactions are public and can be verified by anyone on the blockchain. This enhances contract credibility, reduces unnecessary disputes, and minimizes risks.
9. **Scalability and Performance:** GMETA's smart contract design considers scalability and performance requirements. Technologies such as sharding, state channels, and sidechains are employed to enhance contract throughput and response time to meet the needs of large-scale user bases and complex transaction scenarios.
10. **Flexibility and Upgradability:** GMETA's smart contract design provides flexibility and upgradability. Contract functionalities can be adjusted and expanded as needed to accommodate different business requirements and development directions. Contract upgrades are also possible to fix errors, improve functionalities, or introduce new features.
11. **User-Friendliness:** GMETA's smart contract design strives for user-friendliness. Contract operations and interactions should be simple and understandable, providing clear error

prompts and guidance for users to correctly use and engage with contract functionalities.

Through these design objectives, GMETA's smart contracts will provide users with secure, reliable, high-performance, and user-friendly functionalities, driving the development of the GMETA ecosystem and user participation.

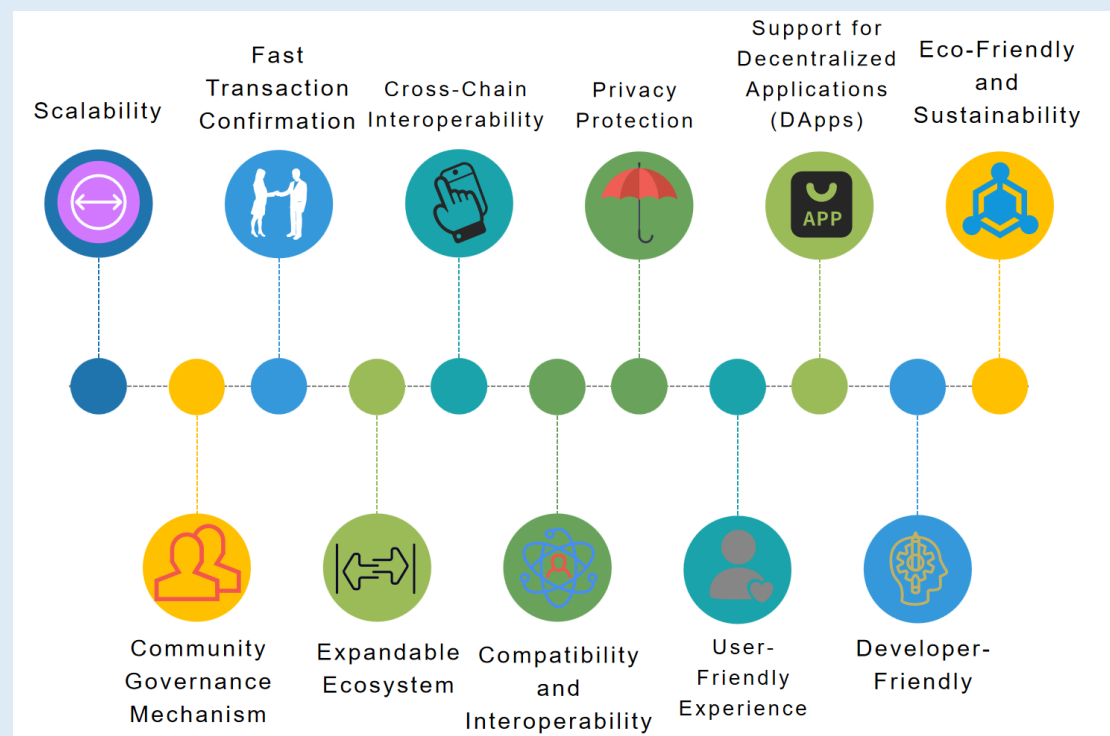
GMETA Data Storage and Processing Mechanism

The data storage and processing mechanism of the GMETA project is designed to effectively manage and handle the large volume of data generated within the metaverse ecosystem. Here is a detailed explanation of GMETA's data storage and processing mechanism:

1. **Decentralized Storage:** GMETA adopts decentralized storage technology, distributing data across various nodes in the network. This storage approach offers high reliability and fault tolerance, while alleviating the burden on a single node, thus improving the overall system performance and scalability. Decentralized storage also enhances the security and privacy of user data.
2. **IPFS Protocol:** GMETA utilizes the InterPlanetary File System (IPFS) protocol as the foundation for its decentralized storage. IPFS is a distributed peer-to-peer file system that enables efficient file storage and retrieval through unique file identification and content addressing. GMETA stores various data within the metaverse, such as game content and virtual asset information, on the IPFS network, ensuring high availability and data sharing.
3. **Data Encryption and Privacy Protection:** GMETA employs data encryption and privacy protection measures to ensure the security of user personal information and transaction data. Sensitive data is protected using encryption algorithms during transmission and storage, and only authorized users can decrypt and access the data. Such mechanisms increase user trust in data privacy and encourage more user participation.
4. **Data Processing and Analysis:** GMETA effectively processes and utilizes data within the metaverse by employing big data processing and analysis techniques. Through analyzing user behavior, transaction patterns, preferences, and other data, GMETA can provide personalized recommendations and services, enhancing user experience and increasing user engagement. Additionally, data analysis helps GMETA optimize system operations and decision-making, improving the overall efficiency and effectiveness of the ecosystem.
5. **Data Sharing and Interoperability:** GMETA encourages data sharing and interaction to facilitate collaboration and interaction within the metaverse ecosystem. Well-defined data sharing mechanisms foster cooperation between different development teams and content creators, enriching the content and services within the metaverse. GMETA achieves data sharing and circulation across different chains through smart contracts and cross-chain interoperability.

By employing decentralized storage, the IPFS protocol, data encryption and privacy protection, data processing and analysis, and data sharing and interoperability mechanisms, the GMETA project enables effective storage, management, and utilization of data within the metaverse ecosystem. These mechanisms enhance data security, reliability, and integrity in the GMETA project, improve data processing and analysis efficiency, and facilitate data sharing and interaction capabilities, thereby driving the development and prosperity of the entire metaverse ecosystem.

Characteristics of GMETA Public Blockchain



1. **Scalability:** The public blockchain of GMETA possesses high scalability to support large-scale users and transaction volumes, meeting the demands of GMETA metaverse applications. Techniques such as sharding and sidechains are employed to enhance the throughput and performance of the public blockchain.
2. **Fast Transaction Confirmation:** The public blockchain ensures fast transaction confirmation to ensure timely effectiveness of user operations and transactions within the GMETA metaverse, providing a seamless user experience. Efficient consensus algorithms and optimized transaction processing mechanisms are implemented to achieve rapid transaction confirmation.
3. **Cross-Chain Interoperability:** Given the involvement of multiple public chains and blockchain projects within the GMETA metaverse, the public blockchain must exhibit cross-chain interoperability, enabling seamless interaction and circulation of assets and data between different public chains. Cross-chain protocols and standards facilitate interoperability among different public chains.

4. **Privacy Protection:** In the GMETA metaverse, users may deal with sensitive personal data and asset information. The public blockchain provides robust privacy protection mechanisms to safeguard user privacy rights and data security. Privacy technologies like zero-knowledge proofs and homomorphic encryption are employed to effectively protect user privacy.
5. **Support for Decentralized Applications (DApps):** The public blockchain actively supports the development and deployment of decentralized applications (DApps), providing developers with a friendly development environment and rich tools. The public blockchain should offer smart contract functionality and open APIs to foster innovation and diversity in GMETA metaverse applications.
6. **Eco-Friendly and Sustainability:** The public blockchain considers energy consumption and environmental impact, adopting energy-efficient consensus algorithms and green technological solutions to enhance sustainability and minimize negative environmental effects.
7. **Developer-Friendly:** The public blockchain provides friendly developer support and tools, attracting more developers to join the GMETA metaverse ecosystem and fostering application innovation and development. Detailed documentation, sample code, and rich development resources assist developers in building and deploying applications effectively.
8. **Community Governance Mechanism:** The public blockchain adopts a community governance model, enabling token holders to participate in decision-making and governance, collectively driving the development and decision-making of the public blockchain.
9. **Expandable Ecosystem:** The public blockchain encourages and supports the construction of a rich developer community and ecosystem applications, creating a diverse and collaborative ecosystem. Through partnerships and support from the ecosystem fund, more developers and creators are attracted, providing abundant applications and services.
10. **Compatibility and Interoperability:** The public blockchain possesses compatibility and interoperability, seamlessly integrating and interoperating with other public chains and blockchain projects. This promotes collaborative development and resource sharing among different ecosystems.
11. **User-Friendly Experience:** The GMETA public blockchain prioritizes user experience, offering a concise, intuitive, and user-friendly interface and functionalities, allowing users to easily engage in metaverse interactions and experiences. Simultaneously, it emphasizes security and privacy protection to ensure the safety of user assets and data.

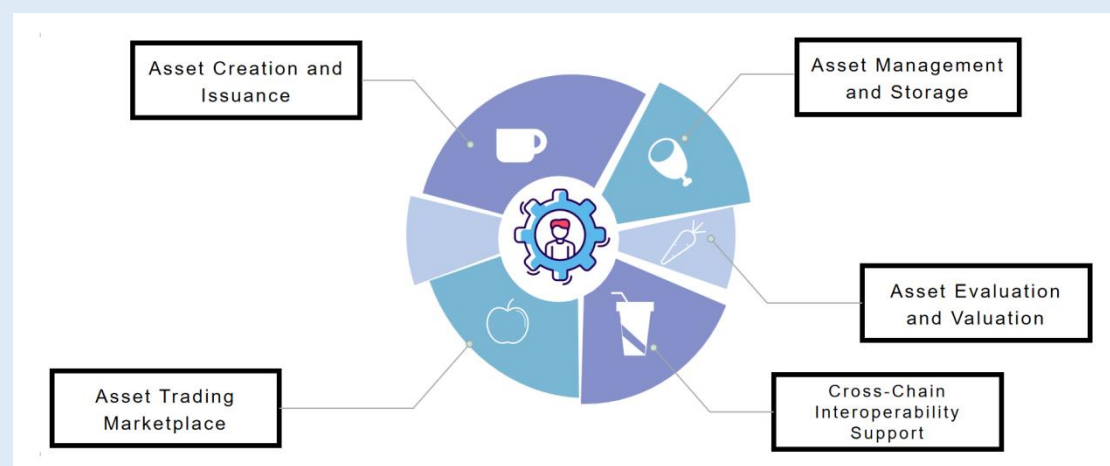
The GMETA metaverse's public blockchain exhibits characteristics such as high scalability, fast transaction confirmation, cross-chain interoperability, privacy protection, support for decentralized applications, eco-friendliness and sustainability, developer-friendliness, and user-

friendly experience. It aims to meet the demands of the metaverse industry and provide a stable, secure, and efficient infrastructure for users and developers. The public blockchain will facilitate the development and prosperity of the GMETA metaverse ecosystem, driving innovation and widespread adoption of metaverse applications.

Functionality and Features

GMETA Virtual Asset Management Tool

GMETA offers a comprehensive set of virtual asset management tools to support the creation, trading, and management of virtual assets within the metaverse ecosystem. Here is a detailed description of GMETA's virtual asset management tools:



1. **Asset Creation and Issuance:** GMETA's virtual asset management tools enable developers and content creators to create and issue various types of virtual assets, including virtual currencies, non-fungible tokens (NFTs), and other digitized assets. Through the tool's interface and functionality, users can define the asset's attributes, supply, value, and register it on GMETA's blockchain network.
2. **Asset Trading Marketplace:** GMETA's virtual asset management tools provide a trading marketplace for virtual asset transactions between users. Users can view and search tradable assets through the tool's interface and engage in transactions with other users, including buying, selling, and auctioning. The transaction process is executed through smart contracts, ensuring transparency, security, and reliability.

- Through GMETA's virtual asset management tools, users can conveniently create, trade, and manage virtual assets within the metaverse. Such tools facilitate liquidity and value realization of virtual assets in the metaverse ecosystem, increasing user participation and experience.

Mattnatt

Gnamast

Marktangelegenheiten

Ruhe und Freizeitgestaltung

Wohnungsnotwendigkeiten

Körperliche Aktivität

Medienkonsum

Schlaf

Arbeitsaufgaben

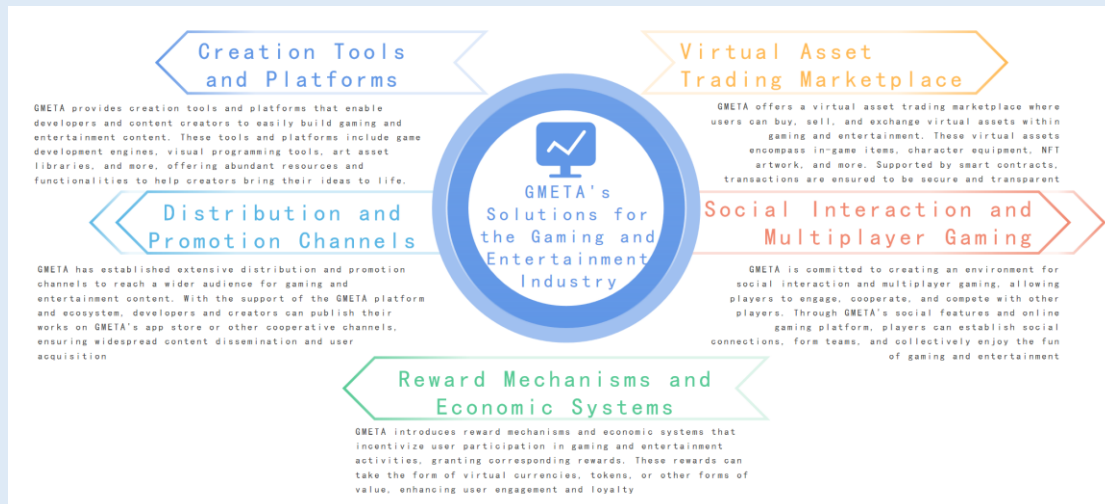
Gedankenarbeit

Fremdverkehr

Tiere

Kochen

Körperliche Aktivität



GMETA offers a range of solutions for the gaming and entertainment industry, aiming to facilitate the creation, distribution, and consumption of gaming and entertainment content. Here is a detailed description of GMETA's solutions for the gaming and entertainment industry:

1. **Creation Tools and Platforms:** GMETA provides creation tools and platforms that enable developers and content creators to easily build gaming and entertainment content. These tools and platforms include game development engines, visual programming tools, art asset libraries, and more, offering abundant resources and functionalities to help creators bring their ideas to life.
2. **Distribution and Promotion Channels:** GMETA has established extensive distribution and promotion channels to reach a wider audience for gaming and entertainment content. With the support of the GMETA platform and ecosystem, developers and creators can publish their works on GMETA's app store or other cooperative channels, ensuring widespread content dissemination and user acquisition.
3. **Virtual Asset Trading Marketplace:** GMETA offers a virtual asset trading marketplace where users can buy, sell, and exchange virtual assets within gaming and entertainment. These virtual assets encompass in-game items, character equipment, NFT artwork, and more. Supported by smart contracts, transactions are ensured to be secure and transparent.
4. **Social Interaction and Multiplayer Gaming:** GMETA is committed to creating an environment for social interaction and multiplayer gaming, allowing players to engage, cooperate, and compete with other players. Through GMETA's social features and online gaming platform, players can establish social connections, form teams, and collectively enjoy the fun of gaming and entertainment.
5. **Reward Mechanisms and Economic Systems:** GMETA introduces reward mechanisms and economic systems that incentivize user participation in gaming and entertainment activities, granting corresponding rewards. These rewards can take the form of virtual currencies, tokens, or other forms of value, enhancing user engagement and loyalty.

Through GMETA's solutions for the gaming and entertainment industry, developers and creators can leverage rich tools and platforms to create high-quality gaming and entertainment content, while reaching a broader user base through distribution channels. Simultaneously, users can access a diverse range of gaming and entertainment experiences on the GMETA platform.

GMETA Token

GMETA Metaverse Infrastructure

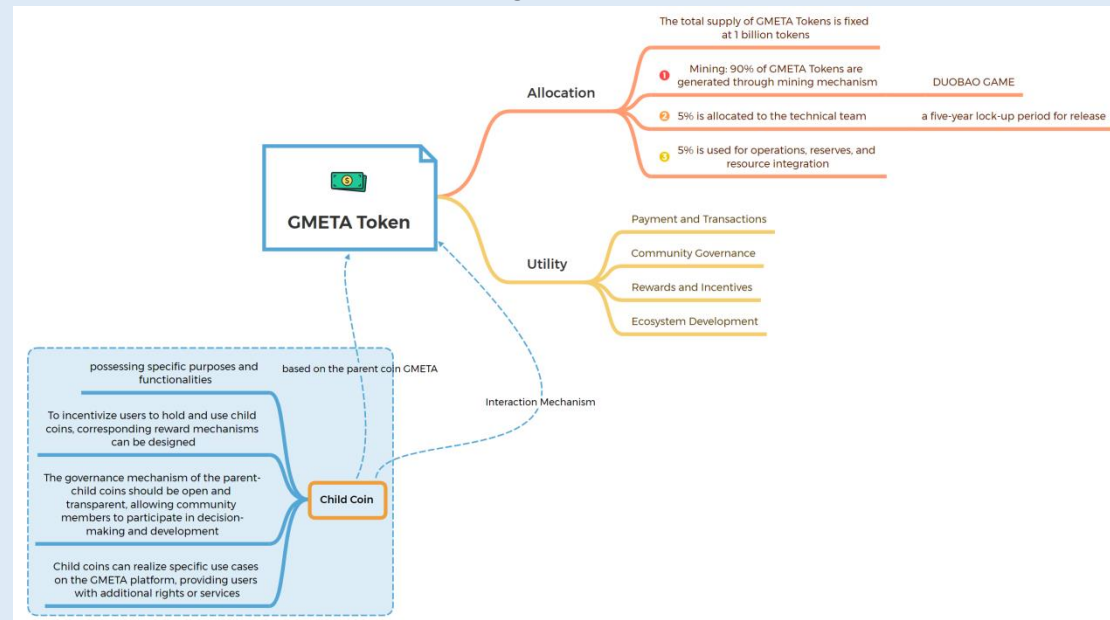
The GMETA Metaverse Infrastructure comprises the technical and facility foundations that support the entire GMETA ecosystem, aiming to build a diverse, open, and interconnected metaverse environment. Here is a detailed description of the GMETA Metaverse Infrastructure:

1. **GMETA Public Chain:** GMETA has established its own public chain as a core component of the metaverse infrastructure. This public chain utilizes advanced blockchain technology, featuring high scalability, fast consensus algorithms, and cross-chain interoperability. The GMETA public chain provides secure and efficient foundational services for gaming and entertainment applications within the metaverse.
2. **Distributed Storage and Computing:** To support the storage and processing needs of large-scale gaming and entertainment content, the GMETA Metaverse Infrastructure employs distributed storage and computing technologies. By distributing data and computing tasks across multiple nodes, it achieves high reliability and high-performance data storage and processing capabilities.
3. **Cross-Chain Bridging and Interoperability:** The GMETA Metaverse Infrastructure is dedicated to achieving cross-chain interoperability between different blockchains. Through cross-chain bridging technology, GMETA enables seamless interaction and circulation of assets and data across different blockchains, providing users with a broader metaverse experience.
4. **Virtual Reality (VR) and Augmented Reality (AR) Technologies:** The GMETA Metaverse Infrastructure integrates virtual reality and augmented reality technologies to offer users immersive gaming and entertainment experiences. Through VR and AR technologies, users can interact with virtual worlds and enjoy lifelike gaming and entertainment experiences.
5. **Smart Contracts and Decentralized Autonomous Organizations (DAOs):** The GMETA Metaverse Infrastructure supports the operation of smart contracts, enabling user interactions and rule enforcement through smart contracts. Additionally, GMETA adopts mechanisms of decentralized autonomous organizations (DAOs) to facilitate community member participation and decision-making, promoting community autonomy and development.

Through the construction of the GMETA Metaverse Infrastructure, GMETA can provide a stable, secure, and efficient metaverse environment, offering creators, developers, and users in the

gaming and entertainment industry diverse experiences and opportunities. Furthermore, GMETA actively promotes the development and innovation of the metaverse industry, providing support and advancement to the entire ecosystem.

GMETA Token Issuance, Allocation, Mining, and Utility



As described below:

Token Supply: The total supply of GMETA Tokens is fixed at 1 billion tokens.

Allocation: The distribution of GMETA Tokens is as follows:

Mining: 90% of GMETA Tokens are generated through a proof-of-work mining mechanism.

5% is allocated to the technical team, with a five-year lock-up period for release.

5% is used for operations, reserves, and resource integration.

Utility:

GMETA Tokens serve various purposes, including:

1. **Payment and Transactions:** GMETA Tokens can be used as a means of payment to purchase in-game items, virtual assets, or other gaming and entertainment services.
2. **Community Governance:** Holders of GMETA Tokens may have the right to participate in project decision-making and governance, such as voting for block producers or proposing changes.
3. **Rewards and Incentives:** GMETA Tokens can be used to reward active community members, developers, and contributors, incentivizing their contributions to the project's development.
4. **Ecosystem Development:** A portion of GMETA Tokens may be used to support ecosystem development, including developer sponsorships, partnerships, and other initiatives that foster the growth of the entire GMETA ecosystem

The economic model of GMETA Token involves governance features, holder rights, and reward mechanisms.

Token Governance Features: GMETA Token incorporates governance features that allow token

holders to participate in project decision-making and governance. Token holders can participate in voting, proposal submission, and community discussions. They can initiate proposals and vote on important matters such as block producer elections, protocol updates, or significant decisions. This governance mechanism ensures that the opinions of token holders are respected and promotes community autonomy and development.

Holder Rights: GMETA Token holders may enjoy a range of rights, including but not limited to:

1. **Voting Rights:** Users holding the token can participate in governance voting, influencing project development and decision-making.
2. **Dividend Rights:** Depending on the project's operational circumstances, token holders may have the right to share project earnings, such as through transaction fees, dividend pools, or other income distribution mechanisms.
3. **Preemptive Rights:** Throughout the project's development, token holders may have the right to preferentially purchase related products, services, or virtual assets.
4. **Community Engagement Rights:** As token holders, users can actively engage in community activities, provide suggestions and opinions, and interact with other community members.
5. **Reward Mechanisms:** To incentivize and reward GMETA Token holders and participants, the project may establish corresponding reward mechanisms. These rewards can be based on various contribution methods, such as:
6. **Holding Rewards:** Token holders may receive rewards based on the amount and duration of token holdings.
7. **Contribution Rewards:** Contributors actively involved in project development, community building, promotional activities, and other contributions may receive additional token rewards as recognition and incentives.

The specific governance features, holder rights, and reward mechanisms of GMETA Token will be developed based on the project's design and objectives to encourage token holder participation and contributions, enhancing token benefits.

GMETA Parent-Child Coin Design Model

Parent Coin: GMETA serves as the primary cryptocurrency with fundamental functionality and value support for the entire GMETA ecosystem. It can be used for transactions, voting, governance, and participating in other activities within the platform's ecosystem.

1. **Child Coin:** METAKit is a derivative currency based on the parent coin GMETA, possessing specific purposes and functionalities. Child coins can realize specific use cases on the GMETA platform, providing users with additional rights or services.

2. **Interaction Mechanism:** There should be an interaction mechanism between the child coins and the parent coin, enabling users to exchange, transfer, or utilize the parent and child coins. This can be achieved through smart contracts to ensure the security and transparency of interactions.
3. **Use Cases and Application Scenarios:** Child coins can be applied to specific domains or functionalities within the GMETA platform. For example, child coins can be used as in-game virtual currencies, rewarding user participation and contributions, or serve as tokens for specific projects, offering special rights or benefits.
4. **Reward Mechanisms:** To incentivize users to hold and use child coins, corresponding reward mechanisms can be designed. For instance, holding a certain amount of child coins may grant additional voting rights or participation in decision-making for GMETA ecosystem projects.
5. **Governance and Participation:** The governance mechanism of the parent-child coins should be open and transparent, allowing community members to participate in decision-making and development. Consideration can be given to adopting a Decentralized Autonomous Organization (DAO) model, where community voting determines the development direction and important decisions for the parent-child coins.

The Parent-Child Coin model provides a multi-tier token system, allocating different functionalities and use cases to the parent and child coins, enabling a more diverse and rich application landscape while fostering the development and prosperity of the entire ecosystem. The design of GMETA Parent-Child Coins needs to be tailored to the specific circumstances and objectives of the GMETA metaverse, with a focus on meeting user needs, promoting ecosystem development, and increasing user engagement.

Ecosystem



GMETA the composition of the ecosystem

The GMETA ecosystem consists of multiple components, including:

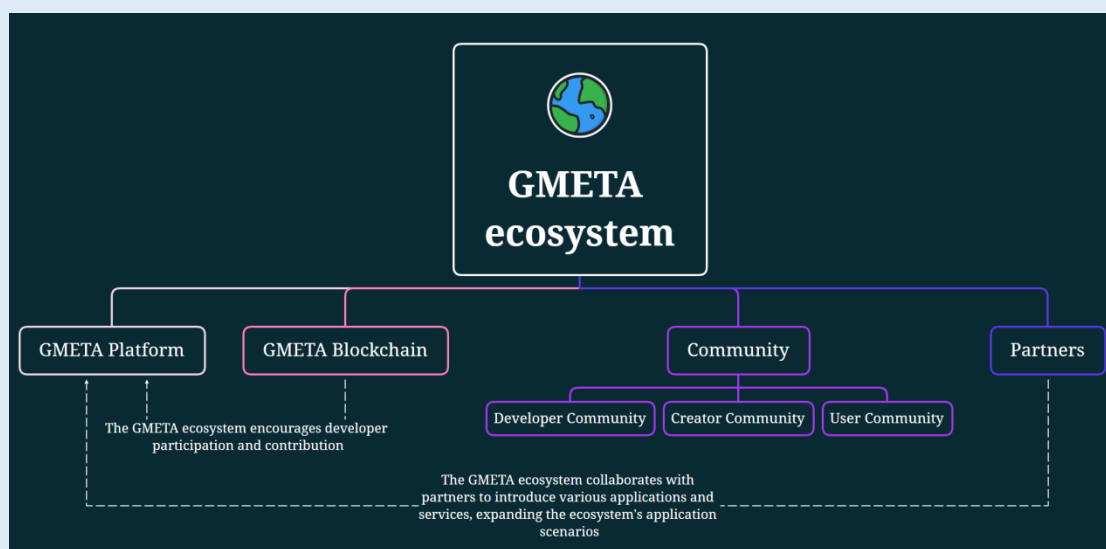
1. **GMETA Platform:** As the core of the entire ecosystem, the GMETA platform provides infrastructure and tools to support developers, creators, and users in creating, interacting, and participating in the metaverse. The platform offers developer tools, virtual asset management, smart contract support, data storage and processing capabilities, and more, providing support for the development of the metaverse industry.
2. **GMETA Blockchain:** Serving as the underlying infrastructure of the GMETA ecosystem, the GMETA blockchain adopts advanced blockchain technology, providing high scalability, fast consensus algorithms, and cross-chain interoperability. The blockchain offers a secure and reliable foundation for various applications within the GMETA ecosystem, as well as supporting the issuance, trading, and governance of GMETA tokens.
3. **Developer Community:** The GMETA ecosystem encourages developer participation and contribution, fostering an active developer community. The developer community provides development resources, technical support, and collaboration opportunities to attract more developers and collectively drive innovation and development in metaverse applications.
4. **Creator Community:** The GMETA ecosystem encourages creators to produce content within the metaverse, including games, artwork, virtual worlds, and more. The creator community provides creation tools, copyright protection, and content showcasing platforms, offering creators opportunities for creation and monetization while promoting diversity and excellence in creative endeavors.
5. **User Community:** The GMETA ecosystem is dedicated to attracting and serving a wide user base. The user community offers a wealth of gaming and entertainment content, allowing users to interact, entertain, and create within the virtual world. The user community also serves as participants and contributors to the GMETA ecosystem, supporting and driving the

development of the entire ecosystem through game participation, virtual asset purchases, and more.

6. **Partners and Ecosystem Applications:** The GMETA ecosystem collaborates with partners to introduce various applications and services, expanding the ecosystem's application scenarios. These partners can include game developers, entertainment platforms, virtual asset trading platforms, and more. Through integration and collaboration with the GMETA ecosystem, they provide users with diverse experiences and services.

Through the coordinated efforts and collaboration of these components, the GMETA ecosystem aims to create an open and innovative metaverse ecosystem, offering abundant opportunities, resources, and support to participants in the gaming and entertainment industry, driving the development and advancement of the entire industry.

The GMETA platform, public chain, developer community, creator community, user community, partners, and ecosystem applications, as well as the role relationships of each user within the ecosystem



In the GMETA ecosystem, different components and users play different roles, and there are collaborative and interactive relationships among them. The specific explanations are as follows:

1. **GMETA Platform:** The GMETA platform is the core of the entire ecosystem, providing infrastructure and tools to support developers, creators, and users in creating, interacting, and participating in the metaverse. The platform offers developer tools, virtual asset management, smart contract support, data storage, and processing functionalities.
2. **GMETA Public Chain:** The GMETA public chain serves as the underlying infrastructure of the ecosystem, providing a secure and reliable blockchain foundation for the GMETA platform and other applications. The public chain supports the issuance, trading, and governance of GMETA tokens, and offers high scalability, fast consensus algorithms, and cross-chain interoperability.

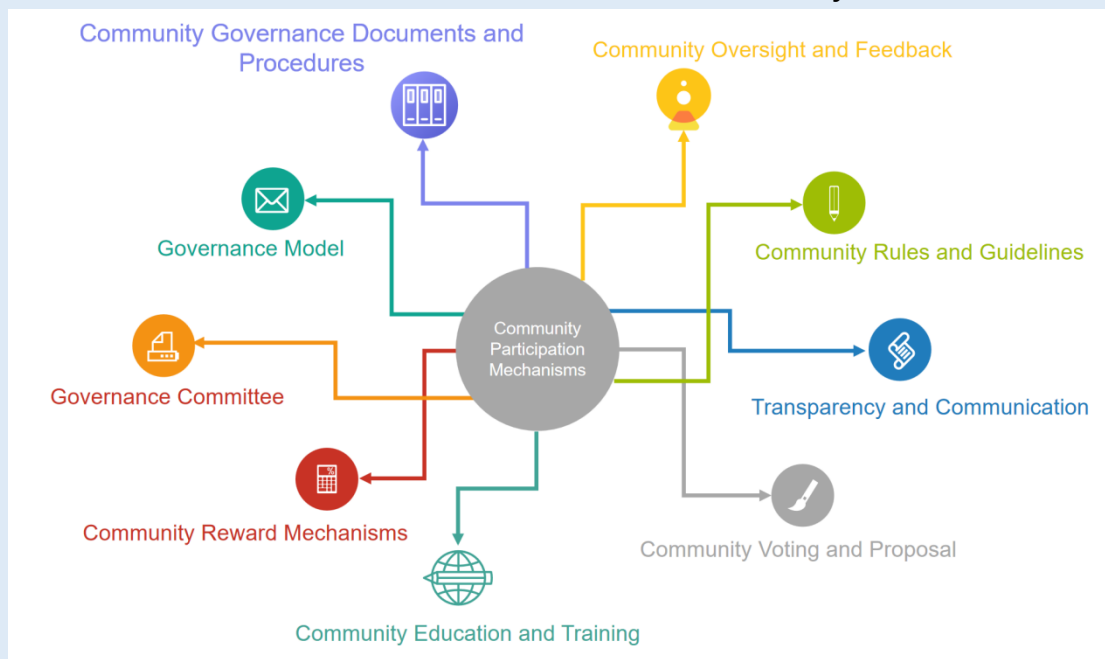
3. **Developer Community:** The developer community is an essential component of the GMETA ecosystem, attracting and supporting developers' participation and contributions. The developer community provides development resources, technical support, and collaboration opportunities, encouraging developers to build innovative metaverse applications and driving the overall ecosystem's development.
4. **Creator Community:** The creator community is a crucial part of the GMETA ecosystem, encouraging creators to produce content in the metaverse, including games, artwork, and virtual worlds. The creator community provides creation tools, copyright protection, and content showcase platforms, offering opportunities for creators to create and monetize their works, while promoting diversity and excellence in creativity.
5. **User Community:** The user community is a vital participant in the GMETA ecosystem, providing rich gaming and entertainment content, enabling users to interact, entertain, and create within the virtual world. The user community engages in activities on the GMETA platform, trades virtual assets, and interacts socially with other users.
6. **Partners and Ecosystem Applications:** The GMETA ecosystem collaborates with partners to introduce various applications and services, expanding the application scenarios of the ecosystem. Partners can include game developers, entertainment platforms, virtual asset trading platforms, and others, who, through integration and collaboration with the GMETA ecosystem, provide users with diversified experiences and services.

In this ecosystem, developers, creators, and users form close interactive relationships through the GMETA platform and their respective communities. Developers offer rich applications and content, creators produce appealing works, and users support and drive the development of the entire ecosystem through participation and consumption. This interaction and collaboration form the foundation for the prosperity and innovation of the ecosystem, while promoting the mutual growth and value creation of all parties involved.

Community and Governance



Construction and Governance Mechanisms of the GMETA Community



In the GMETA community, the construction and governance mechanisms aim to facilitate the participation, collaboration, and self-governance of community members, ensuring the healthy development and continuous operation of the community. The following are detailed explanations of possible community construction and governance mechanisms:

1. **Community Participation Mechanisms:** The GMETA community encourages active participation from community members and provides diverse avenues for their involvement. This can include community forums, social media platforms, online events, and offline gatherings. Community members can contribute their ideas, share opinions, engage in discussions, and contribute their knowledge and efforts to the development of the GMETA

ecosystem.

2. **Governance Model:** To ensure transparent and fair decision-making processes, the GMETA community adopts a decentralized governance model that allows community members to participate in decision-making. This can be achieved through token holder voting, proposals, and governance committees. Community members can vote on important matters such as project direction, protocol updates, resource allocation, and other decisions through voting.
3. **Governance Committee:** The GMETA community may establish a governance committee elected by community members. The governance committee is responsible for overseeing the community's operations and development, providing advice and decision-making support for major decisions and policy formulation. Committee members should possess relevant expertise and experience to ensure the scientific and reasonable nature of community decisions.
4. **Community Reward Mechanisms:** To encourage community member participation and contributions, the GMETA community may establish reward mechanisms to incentivize active engagement in community building and development. Rewards can be distributed in the form of GMETA tokens or other forms, such as incentive programs for contributors, competition rewards, and activity-based rewards. These reward mechanisms help enhance community cohesion and vitality.
5. **Community Rules and Guidelines:** Clear rules and guidelines are necessary for GMETA community construction to ensure that community members' behaviors and interactions adhere to principles of fairness, legality, and ethics. Community rules may cover aspects such as intellectual property protection, user privacy, freedom of speech, and compliance requirements, ensuring community order and stability.
6. **Transparency and Communication:** The governance mechanisms of the GMETA community should prioritize transparency and provide effective communication channels. Community members should be promptly informed about community decisions and developments through regular updates, newsletters, or dedicated communication channels. Open and transparent communication fosters trust and ensures community members are well-informed.
7. **Community Voting and Proposal:** The GMETA community may implement voting and proposal mechanisms that allow community members to directly participate in the decision-making process. Community members can vote on important matters, such as project direction, the addition of new features, adjustments to governance parameters, and other significant issues. Additionally, community members can propose their own ideas, including improvement suggestions, recommendations for new projects, and organization of community activities, to foster community development and improvement.
8. **Community Governance Documents and Procedures:** The GMETA community may establish

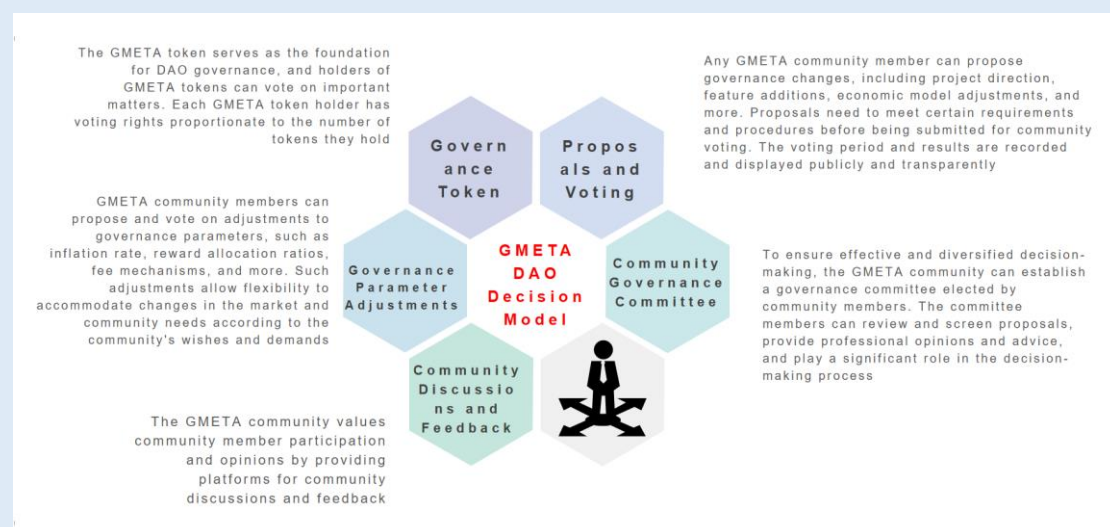
governance documents and procedures to ensure transparency and standardization in community governance. These documents may include community charters, governance processes, voting rules, proposal requirements, and more, providing reference and guidance for community members while ensuring consistency and fairness in the decision-making process.

9. **Community Education and Training:** The GMETA community may provide educational and training resources to help community members understand the operations and governance mechanisms of the GMETA ecosystem, enhancing their skills and knowledge. This can include online tutorials, workshops, community events, and other forms of educational initiatives aimed at enhancing community members' participation and understanding.
10. **Community Oversight and Feedback:** To ensure the effectiveness and transparency of governance, the GMETA community can establish oversight mechanisms, including a community oversight committee or channels for community complaints and feedback. Community members can provide feedback, report violations, or express concerns about improper decisions, requesting investigations and resolutions to uphold community fairness and healthy development.

Through these community construction and governance mechanisms, the GMETA community aims to achieve member participation and self-governance, ensuring the sustainability and consensus-driven development of the community

GMETA DAO Decision Model

GMETA adopts a DAO (Decentralized Autonomous Organization) decision model that allows community members to participate in project decision-making and governance. The following are detailed explanations of the GMETA DAO decision model:



1. **Governance Token:** The GMETA token serves as the foundation for DAO governance, and holders of GMETA tokens can vote on important matters. Each GMETA token holder has

voting rights proportionate to the number of tokens they hold.

2. **Proposals and Voting:** Any GMETA community member can propose governance changes, including project direction, feature additions, economic model adjustments, and more. Proposals need to meet certain requirements and procedures before being submitted for community voting. The voting period and results are recorded and displayed publicly and transparently.
3. **Governance Parameter Adjustments:** GMETA community members can propose and vote on adjustments to governance parameters, such as inflation rate, reward allocation ratios, fee mechanisms, and more. Such adjustments allow flexibility to accommodate changes in the market and community needs according to the community's wishes and demands.
4. **Community Governance Committee:** To ensure effective and diversified decision-making, the GMETA community can establish a governance committee elected by community members. The committee members can review and screen proposals, provide professional opinions and advice, and play a significant role in the decision-making process.
5. **Community Discussions and Feedback:** The GMETA community values community member participation and opinions by providing platforms for community discussions and feedback. Community members can engage in discussions and express their views through forums, social media, and other channels to better understand the community's needs and aspirations.

Through the GMETA DAO decision model, community members can participate in project decision-making and governance, enabling community autonomy and consensus formation. This decentralized decision model helps enhance community engagement, transparency, and stability, fostering the healthy development of the GMETA ecosystem.

GMETA Community Engagement and Contribution Mechanisms

GMETA Community Engagement and Contribution Mechanisms

Reward Mechanism

GMETA community has established a reward mechanism to incentivize community members' contribution and increase their motivation. Contributions can include, but are not limited to, code contributions, documentation writing, bug reporting, community management, and promotional activities. The level of contribution by community members will be assessed, and rewards will be given based on the importance and quality of the contribution, which may include GMETA tokens, special privileges, or other forms of recognition

Proposals and Voting

GMETA community members can participate in community decision-making and development by submitting governance proposals. They can propose improvements to the project, new feature requests, adjustments to governance parameters, and more. These proposals will be submitted for community members to vote on, and the voting results will determine whether the proposals are adopted. This mechanism allows community members to directly engage in the decision-making process, ensuring a consensus-driven and democratic approach to project development

Community Building

GMETA community emphasizes community building and development, providing various resources and support to help community members engage and contribute. This includes offering development documentation, tutorials, and sample code, organizing technical discussions and sharing sessions, establishing community forums and social media channels, and more. Community members can use these platforms to communicate, share experiences, and raise questions, collectively driving the development of the GMETA ecosystem

Community Recognition and Reputation

GMETA community values the contributions and performance of its members, providing recognition and reputation within the community. Members who make outstanding contributions to project development, promotion, governance, and other areas will be acknowledged and respected by the community. This recognition and reputation can enhance the influence and status of community members, motivating them to continue contributing to the community's development

GMETA community employs various mechanisms to encourage community members' participation and contribution, fostering community development and prosperity. Here are detailed explanations:

1. **Reward Mechanism:** GMETA community has established a reward mechanism to incentivize community members' contribution and increase their motivation. Contributions can include, but are not limited to, code contributions, documentation writing, bug reporting, community management, and promotional activities. The level of contribution by community members will be assessed, and rewards will be given based on the importance and quality of the contribution, which may include GMETA tokens, special privileges, or other forms of recognition.
2. **Proposals and Voting:** GMETA community members can participate in community decision-making and development by submitting governance proposals. They can propose improvements to the project, new feature requests, adjustments to governance parameters, and more. These proposals will be submitted for community members to vote on, and the voting results will determine whether the proposals are adopted. This mechanism allows community members to directly engage in the decision-making process, ensuring a consensus-driven and democratic approach to project development.
3. **Community Building:** GMETA community emphasizes community building and development, providing various resources and support to help community members engage and contribute. This includes offering development documentation, tutorials, and sample code, organizing technical discussions and sharing sessions, establishing community forums and social media channels, and more. Community members can use these platforms to communicate, share experiences, and raise questions, collectively driving the development of the GMETA ecosystem.
4. **Community Recognition and Reputation:** GMETA community values the contributions and performance of its members, providing recognition and reputation within the community. Members who make outstanding contributions to project development, promotion,

governance, and other areas will be acknowledged and respected by the community. This recognition and reputation can enhance the influence and status of community members, motivating them to continue contributing to the community's development.

Through these participation and contribution mechanisms, GMETA community encourages active engagement of its members in project construction and development, collectively promoting the prosperity of the GMETA ecosystem. This open, inclusive, and rewarding approach attracts more talents and resources to join the GMETA community, creating a virtuous cycle that fosters project success and sustainable development.

GMETA's DAO module

Overview of GMETA's DAO module, community autonomy, universal management, fair and open

1. Governance decision-making and execution:

- Formulating the governance rules of DAO: GMETA DAO formulates governance rules with the participation of community members. These rules stipulate the ways of decision-making and execution. Community members can make suggestions, express opinions, and vote to ensure the fairness and wide participation of decision-making.
- Execution of DAO's governance decisions: Once the decisions are made, GMETA DAO is responsible for executing these decisions, ensuring their implementation and corresponding impact. The execution process needs to operate according to the governance rules and the decision results of community members to ensure fairness, openness, and transparency.

2. Incentives for community member participation:

- Design and maintain contributor incentive mechanisms: GMETA DAO formulates and implements contributor incentive mechanisms, encouraging members to share knowledge, provide valuable suggestions, participate in project development, etc., through token rewards, point systems, or other forms of incentives, to stimulate the enthusiasm and creativity of community members.
- Organize community activities to increase user participation: GMETA DAO organizes various community activities, allowing members to share experiences, showcase talents, establish contacts, and receive recognition and feedback from the community.

3. Project initiation and management:

- Review and approve new project proposals: GMETA DAO receives and reviews new project proposals from community members or other participants, evaluates the proposals, including the feasibility, innovation, potential value, etc., of the project. The review process may involve discussion, voting, and decision-making on the project proposal.
- Supervise and manage DAO-approved projects: Once the project proposal is approved by GMETA DAO, DAO will be responsible for the supervision and management of the project. At the same time, supervise the execution of the project to ensure that the project is carried out according to the expected goals and timetable, provide necessary support and resources to help the project team smoothly advance the project. And regularly evaluate the progress and results of the project to ensure that the project achieves the expected results.

4. Resource allocation:

- Decide how resources are allocated to various projects: GMETA DAO decides to allocate limited resources to different projects based on the needs, priorities, and value of the project. Resources can include financial funds, technical support, human resources, marketing, etc. In the decision-making process, factors such as the innovation, potential impact, community participation, etc., of the project may be considered.
- Evaluate the efficiency and fairness of resource allocation: GMETA DAO regularly evaluates the efficiency of resource allocation to ensure that resources are used reasonably to achieve the maximum effect. Monitor and evaluate the projects that have been allocated resources to ensure that resources are effectively used and track their progress and results. DAO will also consider the fairness of resource allocation to ensure that all projects have a fair opportunity to obtain the necessary resources and avoid bias or unfair situations.

5. Fund management:

- Manage DAO's funds and finances: GMETA DAO is responsible for managing and supervising funds contributed by community members or obtained in other ways. Effective implementation of fund management helps to ensure the financial health and transparency of GMETA DAO, ensure the safe storage and management of funds, and record all details of fund flows.
- Supervise and audit the use of funds: GMETA DAO supervises and audits the use of funds to ensure compliance with predetermined regulations and governance principles. Audits include reviewing project expenditures, expenses, and financial statements to ensure the reasonable use and transparency of funds. Through the audit process, DAO can discover potential problems or risks and take appropriate measures to solve them. At the same time, the supervision and audit of funds can enhance the trust of community members in DAO and provide a strong financial foundation for future development.

6. Product and service audit:

- Audit the quality and safety of DAO's products and services: GMETA DAO will regularly audit its products and services to ensure they meet quality and safety standards. The audit process may involve evaluation of software applications, online platforms, data security measures, user privacy protection, etc. Through product and service audits, it can ensure that the products and services provided meet high-quality standards and meet user expectations and needs.
- Feedback and improvement on audit results: The results of the audit will be used to provide feedback and suggestions for improvement on the quality and safety of products and services. GMETA DAO will work with relevant teams to fix and optimize discovered problems or points of improvement, to provide a better user experience and security guarantee.

7. Risk Control and Compliance:

- Ensure DAO's operation complies with all applicable regulations: GMETA DAO is committed to complying with all applicable laws, regulations, and policy requirements to ensure the legality and compliance of its operations. The DAO team will research and monitor relevant

regulations and adjust and optimize operational strategies accordingly to ensure consistency with the law.

- Manage and reduce DAO's operational risks: GMETA DAO will implement effective risk management strategies to identify, assess, and manage various risks associated with its operations. Risk management measures may involve data security protection, user privacy protection, contract compliance, financial risk management, and other measures and processes.

8. Establishment and Maintenance of Partner Relationships:

- Identify potential partners and establish partnerships: GMETA DAO will conduct market research and analysis to find potential partners that align with its vision and goals. Potential partners may include technology providers, developer communities, media partners, strategic partners, etc. At the same time, GMETA DAO will negotiate and consult with potential partners to determine the mode and scope of cooperation. Both parties will sign cooperation agreements or contracts, clarifying responsibilities, rights, and cooperation matters. Establishing multi-party partnerships can allow GMETA DAO to access more resources and support, jointly promoting the development and success of the project.
- Maintain and deepen relationships with partners: GMETA DAO will maintain good communication and cooperation relationships with existing partners. Regular meetings and discussions with partners to jointly evaluate the effects and results of cooperation. When necessary, the two parties can deepen the cooperation relationship, expand the scope of cooperation, or seek new cooperation opportunities. Good partner relationships can help improve DAO's influence and sustainable development capabilities, promote the prosperity and growth of the ecosystem.

9. Transparency and Trust Building:

- Ensure transparency of decision-making process and financial status: GMETA DAO is committed to an open and transparent decision-making process, allowing community members to understand and participate in decision-making. The discussions, votes, and decision results in the decision-making process will be publicly recorded and can be reviewed on the DAO platform or other channels. At the same time, GMETA DAO will regularly disclose its financial status, including the source and use of funds. DAO's financial statements and audit results will be made public to community members to ensure transparency and verifiability. By ensuring the transparency of the decision-making process and financial status, and building and maintaining trust relationships in the community, GMETA DAO can enhance the participation and cooperation willingness of community members, promoting community autonomy and development.
- Build and maintain community trust: GMETA DAO values community trust and builds solid community relationships through honest and open communication. Community members can participate in the decision-making process of DAO, express opinions on important matters, and provide feedback, enhancing community participation and a sense of belonging. Transparency and trust are key elements in building a strong and sustainable DAO ecosystem, helping community members jointly promote GMETA's development and achievements.

10. Iteration and Optimization of Governance Mechanism:

- Optimize governance mechanism based on community feedback and environmental changes: GMETA DAO actively collects feedback and suggestions from community members, including evaluations of the existing governance mechanism, suggestions for improvement, etc. At the same time, GMETA DAO will closely monitor changes in the external environment, including the evolution of technology, market, regulations, etc. By monitoring and analyzing environmental changes, DAO can timely understand the trend of changes, make corresponding adjustments for the optimization of the governance mechanism. Finally, based on community feedback and environmental change analysis, GMETA DAO carries out optimization and updates of the governance mechanism. Optimization may involve adjusting decision-making processes, improving voting mechanisms, increasing opportunities for governance participation, etc., to improve governance efficiency and community member participation.
- Execute and supervise the implementation of the new governance mechanism: When a new governance mechanism is proposed and receives community support, GMETA DAO will actively implement and promote its implementation. At the same time, DAO will supervise and evaluate to ensure the effectiveness of the new governance mechanism and meet the expected goals.

11. Community Culture Shaping:

- Shape a community culture that aligns with DAO values: GMETA DAO clearly defines its core values and purposes, such as transparency, innovation, collaboration, community participation, etc. These values serve as the cornerstone of community culture, guiding members' behaviors and decisions. GMETA DAO establishes clear community norms and guidelines, encourages members to comply, and handles violations. Community norms may include codes of conduct, communication etiquette, ways of cooperation, etc., to promote positive community interaction and constructive discussion. GMETA DAO encourages community members to actively participate in community activities, discussions, and decision-making processes, enhancing their sense of belonging and responsibility to the community. By sharing knowledge, experiences, and resources, community members can learn from each other, support and motivate each other, and establish positive cooperative relationships.
- Maintain and strengthen community culture: GMETA DAO maintains open communication channels and encourages interaction and exchange among members. Community members can provide feedback, suggestions, and opinions, promoting continuous improvement and adaptation of community culture. GMETA DAO organizes various community activities, such as online meetings, lectures, workshops, etc., to promote connections and knowledge sharing among members. By advocating and supporting community members to initiate new projects and initiatives, GMETA DAO encourages innovation and diverse participation. Maintaining and strengthening community culture requires continuous effort and participation, and META DAO will continue to focus on and cultivate a positive, friendly, cooperative community atmosphere to promote the development of members and the prosperity of DAO as a whole.

12. Member Dispute Resolution:

- Establish a dispute resolution mechanism: GMETA DAO establishes a clear dispute resolution mechanism, including rules and procedures, to handle disputes between members. The dispute resolution mechanism may include member complaint channels, dispute mediation, independent arbitration institutions, etc., to ensure a fair and neutral resolution process.
- Responsible for handling disputes between members: GMETA DAO designates specific teams or committees to handle disputes between members. These teams or committees are composed of experienced members with professional knowledge and impartiality, capable of objectively handling disputes. The dispute resolution process should be open and transparent to ensure member visibility and trust in the solution. GMETA DAO can publish guidelines and decisions for dispute resolution, allowing community members to understand the procedures and results of dispute handling. GMETA DAO ensures that the dispute resolution process is efficient and timely to minimize the negative impact of disputes on the community. Efficient dispute resolution can be achieved by setting reasonable time limits, providing sufficient information and evidence, etc. The dispute resolution mechanism should remain neutral and fair, ensuring that the rights and interests of all parties are fully respected and treated equally.

13. Legal Compliance:

- Ensure DAO's operation complies with relevant laws and regulations: GMETA DAO will hire professional legal advisors or compliance teams to establish a legal compliance framework, ensuring its operations comply with applicable laws and regulations, as well as legal requirements that need to be complied with during operations. It will regularly review and assess changes in relevant laws and regulations, and adjust operational strategies in a timely manner to meet new requirements. GMETA DAO will ensure that its operational activities are legal and compliant, and provide a safe and reliable environment for users.
- Comply with all applicable data protection and privacy regulations: GMETA DAO will comply with applicable data protection and privacy regulations, ensuring that users' personal information and data are properly protected.

14. Innovation Support:

- Establish an environment that encourages innovation: GMETA DAO actively encourages a culture of innovation, encouraging members to propose new ideas and concepts. GMETA DAO will actively seek and identify potential innovative projects, whether they come from within or outside. GMETA DAO will support and promote the birth and development of new innovative projects. This will bring more innovative opportunities to community members and promote the continuous development of the GMETA ecosystem.
- Support and promote new innovative projects: For innovative projects that align with DAO's goals, GMETA DAO will provide resource support, including funds, technology, human resources, etc. GMETA DAO will actively promote and publicize supported innovative projects to increase their exposure and influence. At the same time, DAO will seek to cooperate with other DAOs or partners to jointly promote the development and application of innovative projects.

15. Public Relations and Media Management:

- Manage DAO's public image: DAO will establish and maintain a professional brand image, including logos, official websites, social media accounts, etc., to enhance the public's recognition and trust in DAO, formulate and implement effective public image management strategies to ensure that the information disseminated to the public is accurate, consistent, and positive.
- Establish and maintain good relationships with the media: DAO will establish strategic cooperative relationships with the media, including mainstream media, industry media, and emerging community media, to increase exposure and publicity effects. At the same time, GMETA DAO will establish dedicated media communication channels to ensure timely and accurate responses to media inquiries and reports. GMETA DAO will be able to effectively disseminate information, enhance the public's awareness and trust in DAO, and establish a positive and positive reputation. This helps attract more participants and partners, promoting the development and growth of GMETA DAO.

16. Network Security Management:

- Protect DAO's data and assets from cyber attacks: DAO will formulate and implement comprehensive security strategies to ensure the adoption of best security practices, including timely updating and maintaining systems, using strong passwords, multi-factor authentication, etc.
- Monitor and respond to cyber security threats: GMETA DAO will deploy network monitoring systems to monitor network traffic and activities in real time, so as to detect potential security threats early. Through network security management measures, it can maximize the protection of its data and assets from cyber attacks, and maintain continuous monitoring and response capabilities to cyber security threats, ensuring the stable operation of DAO and the safety of users.

17. Technical Support and Development:

- Provide technical support and solve technical problems: GMETA DAO establishes a dedicated technical support team responsible for answering users' technical consultations and solving technical problems. The technical support team will work closely with users to understand and analyze users' technical problems, and provide detailed solutions and guidance, ensuring that users can fully utilize technical tools and platforms, solve technical problems, and continuously improve user experience.
- Maintain and develop new technical tools and platforms: GMETA DAO will regularly maintain and update existing technical tools and platforms to ensure their stability and normal operation of functions. At the same time, based on user feedback and market demand, GMETA DAO will continuously develop new technical tools and platforms to meet user needs and provide better functional experiences.

18. Information and Data Management:

- Collect and manage DAO's information and data: GMETA DAO sets up a dedicated team to collect various information and data related to DAO's operation and ecology, and establishes an efficient data management system and process to ensure the accuracy, completeness, and

security of information and data.

- Support decision-making through data analysis: GMETA DAO uses data analysis tools and techniques to conduct in-depth analysis and mining of the collected information and data. Through data analysis, trends, patterns, and associations can be discovered, and the results of the analysis can be applied to decision-making, providing strong support and guidance for decision-making. Data analysis can provide a reliable basis for decision-making in areas such as project evaluation, resource allocation, governance rule formulation, etc., to improve the accuracy and scientific nature of decision-making.

19. Human Resource Management:

- Ensure that DAO has sufficient human resources to support its operations: GMETA DAO formulates recruitment strategies and processes, assesses current and future manpower needs, and formulates corresponding recruitment and talent introduction plans. Ensure that DAO can recruit suitable talents to support its business and development needs.
- Manage and develop DAO's human resources: GMETA DAO provides necessary training and development opportunities, helps employees improve skills, knowledge and career development, and provides a good working environment and development opportunities for employees to achieve DAO's long-term success and sustainable development.

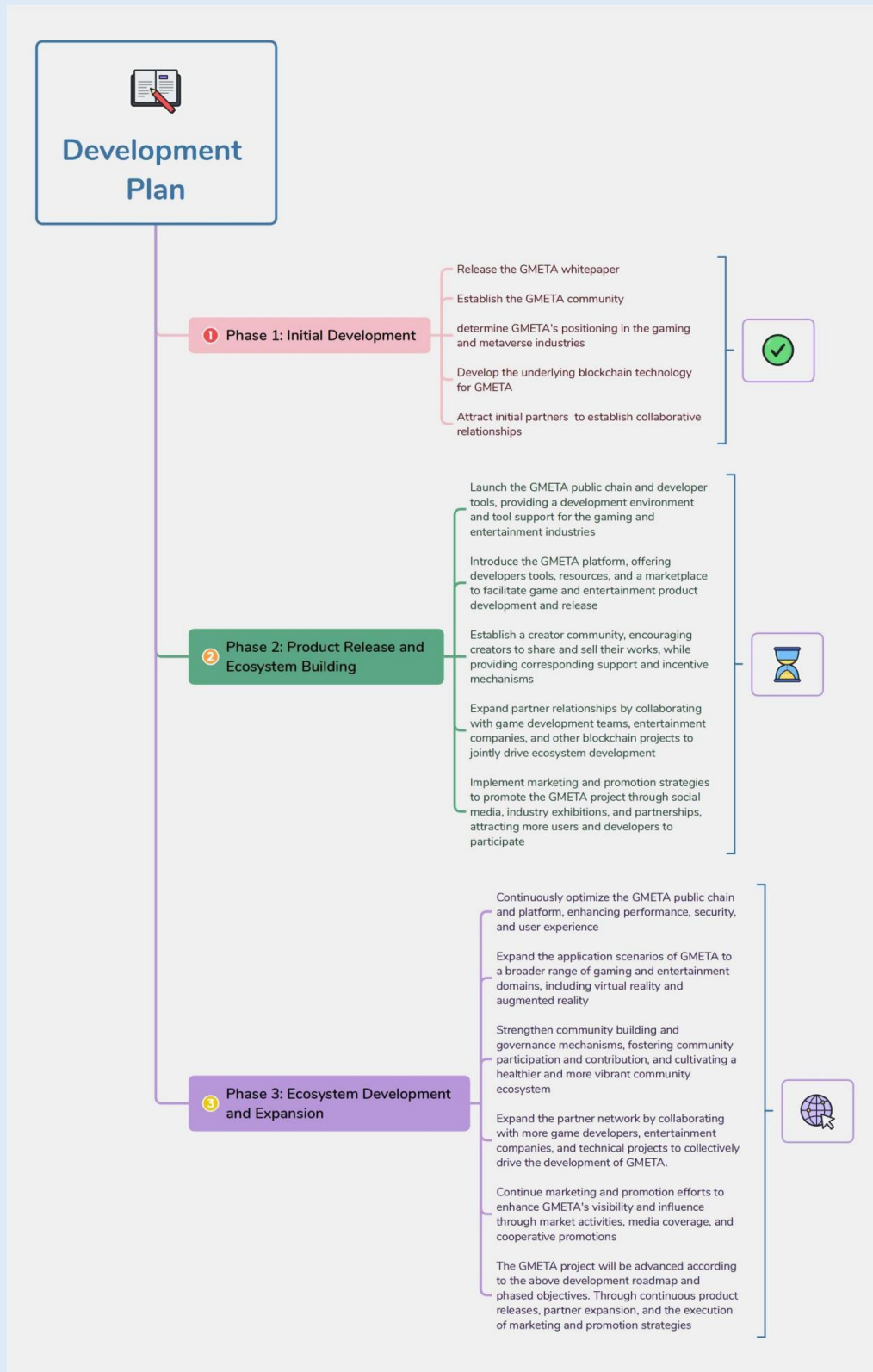
20. Education and Training:

- Provide necessary education and training for DAO's members: GMETA DAO formulates education plans, including course settings, preparation of learning resources, etc., to meet the learning needs and interests of different members, provide necessary learning resources, including online courses, teaching materials, reference books, etc., to help members carry out self-study and knowledge accumulation. At the same time, organize training activities, such as seminars, workshops, lectures, etc., to promote knowledge exchange and interaction among members.
- Continuously improve the knowledge and skills of community members: GMETA DAO supports members to participate in relevant skill certification exams or projects to prove their professional abilities and knowledge levels. DAO can provide relevant training support and learning guidance, help members prepare and participate in certification exams, continuously improve the knowledge and skill levels of community members, thereby promoting personal growth and the development of the entire community.

Development Plan

The development roadmap and phased objectives of the GMETA project include the product release plan, partner expansion, and marketing and promotion strategies.

The development roadmap and phased objectives of the GMETA project are as follows:



Phase 1: Initial Development

Release the GMETA whitepaper, providing a detailed overview of the project's vision, goals, and technical architecture.

Establish the GMETA community, attracting participation from developers, creators, and users.

Conduct preliminary market research and competitive analysis to determine GMETA's positioning

in the gaming and metaverse industries.

Develop the underlying blockchain technology for GMETA and perform internal testing and optimization.

Attract initial partners, including game development teams, entertainment companies, and blockchain projects, to establish collaborative relationships.

Phase 2: Product Release and Ecosystem Building

Launch the GMETA public chain and developer tools, providing a development environment and tool support for the gaming and entertainment industries.

Introduce the GMETA platform, offering developers tools, resources, and a marketplace to facilitate game and entertainment product development and release.

Establish a creator community, encouraging creators to share and sell their works, while providing corresponding support and incentive mechanisms.

Expand partner relationships by collaborating with game development teams, entertainment companies, and other blockchain projects to jointly drive ecosystem development.

Implement marketing and promotion strategies to promote the GMETA project through social media, industry exhibitions, and partnerships, attracting more users and developers to participate.

Phase 3: Ecosystem Development and Expansion

Continuously optimize the GMETA public chain and platform, enhancing performance, security, and user experience.

Expand the application scenarios of GMETA to a broader range of gaming and entertainment domains, including virtual reality and augmented reality.

Strengthen community building and governance mechanisms, fostering community participation and contribution, and cultivating a healthier and more vibrant community ecosystem.

Expand the partner network by collaborating with more game developers, entertainment companies, and technical projects to collectively drive the development of GMETA.

Continue marketing and promotion efforts to enhance GMETA's visibility and influence through market activities, media coverage, and cooperative promotions.

The GMETA project will be advanced according to the above development roadmap and phased objectives. Through continuous product releases, partner expansion, and the execution of marketing and promotion strategies.

Risks and Challenges

The GMETA project may face the following risks and challenges, along with corresponding mitigation measures and risk management strategies:

Technical Risk: Blockchain technology is still rapidly evolving and may present technical vulnerabilities, security issues, or scalability challenges. Solutions include ongoing technical

research and development, collaboration with professional security audit teams, timely vulnerability fixes, and system improvements.

Market Competition: The gaming and metaverse industries are highly competitive, with other projects offering similar solutions or products. Mitigation measures include providing unique features and advantages, establishing strong partnerships, continuous innovation and product improvements, and proactive marketing and promotion.

Legal and Regulatory Risk: Blockchain technology and crypto assets face varying legal and regulatory requirements in different countries and regions, posing compliance challenges and legal risks. Strategies to address this include collaboration with legal teams, understanding and adhering to local regulations, actively cooperating with regulatory authorities, and promoting compliance measures.

User Adoption Risk: Attracting user participation and adoption of the GMETA platform and products may pose difficulties, especially in the emerging metaverse industry. Solutions involve providing a high-quality user experience, partnering with renowned game and entertainment brands, conducting effective marketing and user education.

Financial Risk: GMETA token market prices may be influenced by market fluctuations and investor sentiment, presenting price volatility risks. Mitigation measures include establishing a stable economic model, appropriately managing token supply and demand, providing robust governance mechanisms, and safeguarding token holders' interests.

Community Governance Risk: Establishing and maintaining an active and healthy community may encounter challenges, such as achieving governance decisions and sustaining community engagement. Strategies include establishing transparent governance mechanisms, encouraging community participation and contribution, conducting regular community activities and communications, and fostering interaction and collaboration among community members.

To address these risks and challenges, GMETA can adopt the following risk management strategies:

Diversified Technical Research Teams: Collaborate with multiple technical teams to collectively advance technical research and development, reducing reliance on a single team and ensuring stability and innovation in the technical aspects.

Security Audits and Risk Assessments: Conduct regular security audits to ensure system security and reliability. Simultaneously, perform risk assessments to promptly identify and address potential risks and vulnerabilities.

Strengthen Partnerships: Establish close partnerships with game development teams, entertainment companies, and blockchain projects to jointly drive ecosystem development and reduce competitive risks.

Enhanced Compliance Measures: Collaborate with legal and regulatory authorities to ensure the compliance of the GMETA project, adhering to local regulations and policy requirements.

User Education and Marketing Promotion: Increase user awareness and understanding of the GMETA project through proactive marketing and promotion strategies. Strengthen user education efforts to attract more users to participate and adopt the platform.

Establish a Stable Economic Model: Develop a sound token economic model that considers a balance of supply and demand, designs appropriate reward mechanisms, and maintains stable token prices and holder benefits.

Transparent Community Governance: Establish an open, transparent, and inclusive community governance mechanism, encouraging community members' participation in decision-making and contribution, ensuring community autonomy and proper functioning.

By implementing effective risk management strategies and measures, the GMETA project can better address potential risks and challenges, maintain stable development, and enhance its competitive advantage.

Team and Advisors

James Hoffbauer

Co-founder of GMETA, Chief Architect and Solution Designer specializing in DeFi, cryptocurrency exchanges, derivatives, and Solidity smart contracts.

Tony Harinsut

Co-founder of GMETA Ecosystem, graduated from Stanford University with a major in Computer Science, previously worked at Microsoft, responsible for community operations in Southeast Asia.

Michael Demarley

Renowned industry geek with twelve years of development experience. Background in blockchain, distributed systems, and AI. Served as a Google AI Architect from 2015 to 2020.

Alex Shidong

Alex is the sole head of GMETA Lab, holding a master's degree and graduate from Yale University in International and Development Economics. Also a member of the ZOOM R&D Lab.

David Schwartz

Graduated from the University of California, Berkeley, majoring in Public Policy and Affairs. Previously worked in the Human Resources department at Facebook in Southeast Asia.

Jun Hasegawa

Graduated from Princeton University, specialized in graphic design and digital collage art.

Alexander Motru

Graduated from the University of Melbourne, majoring in Digital Marketing. Proficient in marketing content planning in the web3.0 field.

Matt Liston

Industry geek, graduated from Stanford University with a major in Computer Science.

Legal and Compliance

The GMETA project adheres to compliance measures in accordance with applicable laws and regulations, including KYC/AML requirements, data protection, and privacy policies.

GMETA places great importance on compliance and takes the following measures to meet applicable legal and regulatory requirements:

KYC/AML Requirements: GMETA implements Know Your Customer (KYC) and Anti-Money Laundering (AML) regulations, requiring users to provide identity verification and relevant information when participating in the project. This helps prevent malicious activities and ensures the legitimacy of participants and compliance of the project.

Data Protection and Privacy Policy: GMETA establishes and enforces strict data protection and privacy policies to safeguard users' personal data and privacy. This policy complies with applicable data protection laws and regulations and employs necessary technical and organizational measures to ensure data security and confidentiality.

Compliance Audits: GMETA conducts regular internal compliance audits to ensure the project's compliance. This includes reviewing compliance processes, record-keeping, and reporting systems to ensure adherence to applicable laws, regulations, and policies.

Legal Consultation and Compliance Advisors: GMETA collaborates with professional legal consultants and compliance advisors to ensure legal compliance of the project. These professionals provide guidance and advice to ensure the project operates within the bounds of laws and regulations.

International Compliance Standards: GMETA references widely recognized international compliance standards and best practices, such as those related to intellectual property protection, consumer rights, and financial compliance. This ensures that the project meets applicable legal and regulatory requirements globally.

Through these compliance measures, the GMETA project actively complies with applicable laws and regulations, protects user rights, promotes sustainable development, and establishes a positive image of trust and transparency.

Funds and Financial Management

The funding utilization plan, as well as financial management and transparency measures of the GMETA project.

The funding utilization plan of the GMETA project may include the following aspects:

Research and Technology: Funds will be allocated for the research and development of the GMETA platform and public chain, including aspects such as smart contract development, blockchain technology improvements, and enhanced security.

Ecosystem Development: Funds will be used to attract developers and creators to the GMETA platform, provide tools and resources, and promote ecosystem construction and development.

Marketing and Promotion: Funds will be allocated for marketing and promotional activities, including brand awareness campaigns, social media marketing, participation in industry events, etc., to enhance the visibility and attractiveness of the GMETA project.

Operations and Management: Funds will be utilized for the day-to-day operations and management of the project, including expenditures related to human resources, office facilities, legal consultations, etc.

The GMETA project will implement financial management and transparency measures to ensure effective management and utilization of funds. These measures may include:

Financial Records and Reporting: GMETA will establish sound financial record-keeping and reporting systems to track and document the inflow and outflow of funds, regularly disclosing financial information to investors and the community.

External Audits: To enhance transparency, GMETA may engage independent third-party auditing firms to conduct audits of its financial status, ensuring compliance with regulations and providing credible financial reports.

Community Engagement: GMETA will encourage community participation in financial management, potentially establishing a community oversight committee or similar entity to involve community members in supervising fund utilization and financial decision-making of the project.

Through these financial management and transparency measures, GMETA will ensure the responsible use of funds and transparent disclosure, fostering trust within the community, protecting the interests of investors, and promoting the sustainable development of the project.



Looking into the future

Gmeta aims to combine blockchain technology with the metaverse to create a free, diverse, and boundless gaming and entertainment ecosystem. With users at the core, we envision the future, persist in innovation, and are committed to promoting the development of gaming and entertainment in the metaverse. We warmly invite you to join us in exploring the infinite possibilities of the metaverse and working together to create a better virtual world. Thank you for reading this white paper, and we look forward to further communication and cooperation with you.