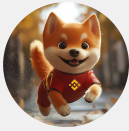# Minidoge White Paper

Building a Sustainable and Innovative Meme Coin Ecosystem

Version 1.0

@MiniDoge 2015

PREFACE

- In the past few years, blockchain technology has gradually changed the way the global economy operates, especially in the field of decentralized finance (DeFi) and digital assets. However, despite the huge potential brought by this technology, many projects still face the dilemma of lack of sustainability and value creation, especially in the meme coin ecosystem. The value of these currencies is often dominated by short-term market sentiment, lacking inherent application scenarios and financial attributes, making it difficult for them to maintain stable value in the long run.

- The emergence of Minidoge is to break this dilemma. As a project that combines the attributes of meme coins and the innovative ecology of decentralized finance (DeFi), Minidoge not only inherits the community culture and fun of meme coins but also introduces cutting-edge technologies such as DeFi, DeSci, and DePin, striving to bring it into a new era with more practical application value. Our goal is to build a sustainable and decentralized ecosystem, making Minidoge a truly financial ecological token that supports innovation and value creation.

- We hope to work with developers, investors, community members, and partners around the world to create a more transparent, fair, and innovative decentralized economic system. In this process, Minidoge will bring long-term and stable benefits to global users through its powerful ecosystem while bringing new impetus and possibilities to the blockchain industry.

- With the gradual development of the Minidoge ecosystem, we firmly believe that it will become an important force in promoting a decentralized economy and scientific research innovation. Let us work together to promote the implementation of the Minidoge ecosystem, achieve common goals and visions, and create a more prosperous future.

1. Analysis of the Current State of the Meme Coin Ecosystem

Meme Coin (Meme Tokens), a digital currency based on Internet culture, humor, or a specific sense of community identity, has gained widespread attention and participation in the crypto market in recent years. However, despite the fact that it may have gained an extremely high level of market buzz and speculative funding in the short term, Meme Coin is also facing a series of dilemmas, which are mainly reflected in the following aspects:
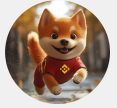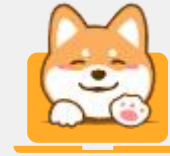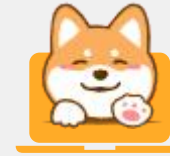
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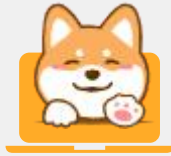
Lack of Practical Utility

- Reliance on internet memes to attract investors, with no substantive commercial use cases.

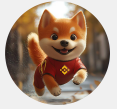- Value driven by short-term speculation, lacking long-term technical roadmaps.

High Volatility and Speculative Nature

- Prices fluctuate wildly due to celebrity influence (e.g., Musk's tweets) and community hype.

- Excessive dominance of short-term speculators amplifies market instability.

Regulatory Gaps

- Most projects operate outside traditional financial regulatory frameworks.

- High exposure to policy shifts, with lingering compliance risks even in DeFi integrations.

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Vulnerability to Market Manipulation

- Whale accounts manipulate prices through coordinated trades.

- Retail investors often fall victim to "pump-and-dump" schemes.

Liquidity Risks

- Dependence on niche trading platforms leads to liquidity collapse post-hype.

- High slippage during panic selling sharply increases exit costs.

Technical Security Flaws

- Frequent exploits due to lack of smart contract audits.

- Minimal investment in development, prioritizing marketing over security.

Although Meme coins have attracted a large number of investors due to their humor and enter tainment, the difficulties they face cannot be ignored. From lack of practical applications, market manipulation, and insufficient regulation, to short-term speculation and technical security issues, there are many challenges that Meme coins will need to face in their future development. In order to achieve sustainable development, Meme Coin projects need to strengthen the construction of practical application scenarios.

2.MiniLab and Minidoge

Minidoge is an eco-governance token initiated by MiniLab. While possessing the at tributes of meme coins, MiniLab allows meme coins to gain real blockchain technology applications by building a multi-level eco-model and combining it with a data-driven model to provide the meme coin sector with a healthier and more valuable ecostructure, and to address the short-term speculative chaos and lack of value of the previous meme coin market, further facilitating its application in the blockchain. It will provide a healthier and more valuable ecological structure for the meme coin sector, solve the problem of short-term speculation and lack of value in the previous meme coin market, and further promote the application of meme coins in blockchain
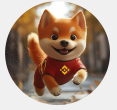
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Minidoge Ecosystem Strategy

1.Decentralized Governance Model

- **DeFi:** Develop liquidity mining and staking protocols to enhance asset utility
- **DeSci:** Establish blockchain R&D fund pools to drive technological innovation
- **DePin:** Build decentralized physical infrastructure networks (dPIN) for real-world applications

3.BSC Chain Ecosystem Synergy

- Deeply integrate Binance Smart Chain's high-efficiency and low-fee features
- Develop cross-chain gateways to Ethereum/Solana ecosystems
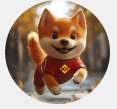- Introduce innovative liquidity incentive models to BSC

2.Decentralized Governance Model

- Implement DAO architecture for transparent decision-making (all major upgrades via on-chain voting)
- Automate community resolutions through smart contracts, - eliminating human intervention risks Governance token MDoge grants holders proposal rights and profit distribution rights

4.Sustainable Development Mechanisms

- Establish ecosystem reserves
- Execute deflationary model
- Launch developer grant programs to incentivize Dapp ecosystem growth

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Call to Global Community

We look forward to the active participation of every community member, investor and eco-partner in building the Minidoge ecosystem, and working together to make Minidoge a leader in the global decentralized economy! All this will flourish on the dynamic BSC chain, and the Minidoge team firmly believes that through our unremitting efforts, we will inject new vitality and infinite possibilities into the BSC chain.
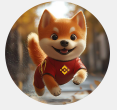
3. Minidoge multi-dimensional ecological model

Minidoge's multi-dimensional ecological integration not only provides participants with more economic incentives and participation opportunities, but also promotes the sustainable development of Binance Smart Chain's ecosystem through decentralized infrastructure and research applications. This cross-disciplinary innovation and ecological integration will not only prosper Minidoge's own ecosystem, but also bring more vitality, innovation and market attraction to the BSC ecosystem, and promote the further expansion and prosperity of the BSC ecosystem.

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1 **DeFi segment:**

contains a variety of play styles such as Arbitrage, GameFi and NFT, which provides participants in the ecology with more ways to interact and participate. When participants in the ecology engage in the process of arbitrage, they are not only trading and profiting, but also providing support for the construction of the entire ecosystem. This process helps to gradually land and develop the value system of meme coins.

2 **Depin Segment:**

The Depin ecosystem promoted by Minidoge not only injects practical application scenarios into the meme coin ecosystem, but also enables Minidoge tokens to exist in a sustainable, long-term value-driven ecosystem. Compared to traditional meme coins, this model is more stable and sustainable.

3 **Desci board:**

articipants can support specific research projects or research organizations by holding or using Minidoge, and accordingly, researchers can be rewarded with Minidoge by contributing research results or participating in research activities, forming a benign ecology. At the same time, through decentralization, openness and transparency, it redefines the financial support, data sharing, cooperation methods and application of results of scientific research, and promotes that scientific research projects can rely more on community-driven.
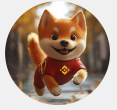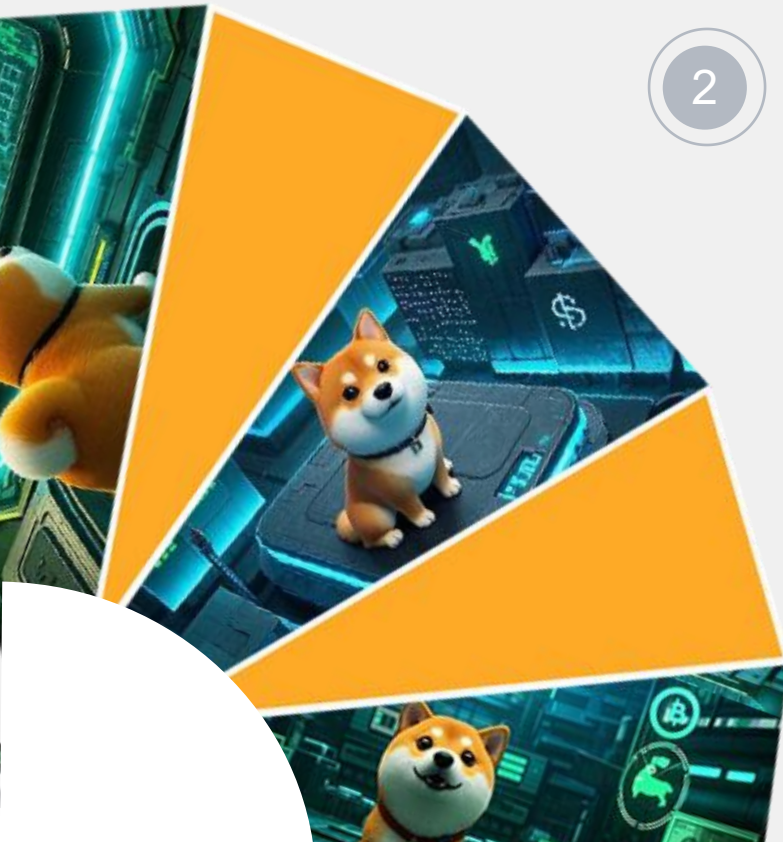
4. AAVE V3-based Flash Lending Arbitrage System - Flash X

Flash X is an innovative flash lending arbitrage system within the Minidoge DeFi ecosystem, built atop AAVE V3—the world's leading decentralized financial (DeFi) lending platform. Leveraging AAVE V3's flash loan functionality, the system provides users with a low-risk, high-performance arbitrage platform requiring no initial capital, enabling global DeFi market arbitrage opportunities.

Based on blockchain's Flash Loan mechanism, Flash X delivers rapid, efficient arbitrage by integrating DeFi's core strengths: borrowing and lending assets within the same transaction to execute instant profit generation.
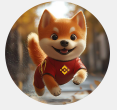
4.1 What is Flash Loan?

Flash Loan is a decentralized lending mechanism that allows users to borrow assets in a single blockchain transaction and repay the borrowed money within the same transaction. Unlike traditional lending models, Flash Loan does not require collateral or credit verification, only the following two conditions:

- The amount borrowed and the repayment must be made in the same transaction.

- During the borrowing period, all operations must be completed within a single block, ensuring real-time and secure transactions.

Through this mechanism, users utilize the efficiency of blockchain for arbitrage, investment or other operations.

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4.2 Mechanism of operation of Flash X

Flash X applies flash lending to arbitrage trading in the DeFi market, utilizing price differences in the market. The process is as follows:

Borrow an asset:

The user borrows an asset (e.g. USDT) through Minidoge's Flash X model.

Execute an arbitrage trade:
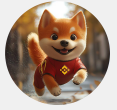
In one transaction, users arbitrage across DEXs or liquidity pools via borrowed assets. Example: borrow, buy low on A, sell high on B.

Repayment of loan:

The user repays the borrowed asset and the corresponding fee to the lending platform immediately after the transaction is completed.

Profit:

If the arbitrage transaction is successful, the user will earn the difference in price (i.e. arbitrage profit). The remaining profit goes to the user.

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4.3 Advantages of Flash X

Low Initial Capital:

Unlike traditional investment methods, the Flash X model allows users to engage in arbitrage trading with an initial capital of 100USDT using the Flash Lending mechanism. This lowers the investment threshold and allows more users to participate in high-yield arbitrage trading.

High-speed and efficient:

arbitrage trading is automatically executed based on smart contracts, and all transactions are com pleted almostinstantaneously on the blockchain. This means that users are able to quickly capture transient price fluctuations in the market, thereby increasing the chances of profitability.
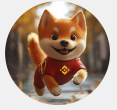
High security:

Flash X uses AAVE′s agent contract to track and allocate flash loan yields, processing fund flows without user fund involvement. The transparent protocol ensures full wallet control, with all operations finalizing in one transaction to eliminate default risks. Instant borrow /repayment cycles avoid market volatility exposure.

Decentralization and Transparency:

The Flash X model base eliminates the need for intermediary parties, ensuring transparent and secure transactions. Users have full control over their operations and all transaction records are available on the blockchain.

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4.4 Scenarios for Flash X

Decentralized Exchange Arbitrage:

Arbitrage by taking advantage of the price difference between different exchanges to earn the difference between buying and selling price.
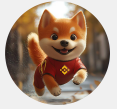
Cross-chain arbitrage:

By transferring assets across chains and arbitrage with the help of Flash X through the price difference between different blockchain platforms.

Liquidity Pool Arbitrage:

By transferring assets between different liquidity pools, arbitrage is realized by utilizing the in terest rate difference of the funding pools.

Lending Platform Arbitrage:

With the Lightning Loan model, participating users can arbitrage between decentralized lending platforms and make use of the interest rate fluctuations to earn the price difference.

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4.5 Risk Control

While Flash X offers efficient arbitrage opportunities, there are still certain risks, such as smart contract vulnerabilities, exchange slippage, and network latency. For this reason, Minidoge has conducted a rigorous security audit of Flash X and has adopted the following measures to mitigate the risks:

Smart Contract Audit:

All smart contracts involved in the operation of Flash X are subject to a third-party security audit to ensure their security and compliance.
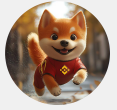
Risk Monitoring System:

The platform monitors market fluctuations and trading behavior in real time, detecting abnormal transactions in a timely manner and taking appropriate measures to reduce risk.

Arbitrage Tool Optimization:

Flash X provides professional arbitrage tools to help users minimize market slippage and other potential risks during trading.

4.6 Flash X Eco-Value

As decentralized financial markets continue to evolve, the Flash X model will continue to be optimized and expanded to include more arbitrage strategies and optimization algorithms. In addition, Minidoge combines Flash X with other ecological modules such as Depin and Desci to further advance the decentralized economic system.

With Flash X, Minidoge provides a new way for community members to not only participate in the DeFi protocol, but also automate efficient arbitrage trading through smart contracts, increasing the overall liquidity and revenue of the platform.
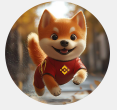
5. Minidoge DePin Ecology

Minidoge DePin, a pivotal component of the Minidoge ecosystem, drives global sharing of distributed computing, storage, and physical devices through decentralized infrastructure. By leveraging Minidoge tokens as incentives, it mobilizes global users to actively contribute idle computing resources, storage capacity, and physical facilities, forming a multidimensional collaborative network. Both individuals and enterprises can seamlessly participate in decentralized infrastructure development, earning stable rewards while accelerating its adoption.

This model transcends limitations of centralized systems, slashing operational costs and boosting resource efficiency. As blockchain and decentralization gain traction, Minidoge DePin will emerge as the core engine for global decentralized physical infrastructure, catalyzing industry-wide decentralization and fueling the expansion and innovation of the Minidoge ecosystem.
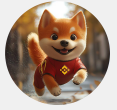
5.1 Expanding application scenarios andecological construction

- With the continuous development of decentralized infrastructure, Minidoge DePin will have a wider range of application scenarios. It will not only provide stable computing and storage support for blockchain nodes and decentralized applications (DApp), but will also expand to multiple industry sectors such as the Internet of Things (IoT), artificial intelligence (AI) and big data.

- For example, distributed computing power will be able to provide stronger arithmetic support for AI model training, while decentralized storage will help all kinds of enterprises and individuals manage data more securely and efficiently.

- In addition, Minidoge DePin will provide a new business model for the sharing of all kinds of physical devices, and sharing edge computing devices or smart hardware will bring more revenue space and more market opportunities for participants. All of this will drive more physical facilities around the world into the decentralized ecosystem, maximizing the sharing of resources and promoting the sustainable use of social resources.
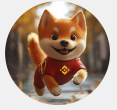
5.2 Decentralized governance and community building

 To ensure the continued healthy development of the Minidoge DePin ecosystem, decentralized governance will be the core mechanism of this ecosystem. All participants will have the opportunity to participate in the platform's governance decisions through the DAO, put forward their opinions and suggestions, and influence the platform's major decisions through the voting mechanism. The voices of community members will directly determine the direction of the project, resource allocation and future development strategies.In addition, the Minidoge DePin ecosystem will attract more developers and partners to join the ecological construction through community incentives. Through token rewards, resource sharing, and technical support, we will build an open, transparent, and shared ecosystem to ensure that every participant can benefit from it.

5.3 Strategic objectives and future development

With the widespread application of the decentralization concept globally, Minidoge DePin will become an important force driving global technological progress and the development of the digital economy. Through the construction and improvement of decentralized infrastructure, we will see more industries, fields and enterprises embracing decentralized technology and benefiting from it, and the Minidoge ecosystem will continue to expand, bringing more innovations and application scenarios, thus further enhancing the value of Minidoge tokens and the sustainability of the ecosystem.
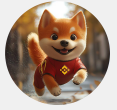
6. Minidoge DeSciEcology

Minidoge DeSci is an innovation segment in the Minidoge ecosystem that aims to provide decentralized financial support, data sharing and collaboration opportunities for the global research community. Through the reward mechanism of Minidoge tokens, we will incentivize more researchers to contribute innovations and promote the development of research projects through decentralization.

Minidoge DeSc Ecological Advantages

By merging the strengths of meme coins with decentralized science (DeSci), Minidoge combines decentralized financial support, governance participation, scientific data sharing, and innovation incentives to create a more transparent, equitable, and innovative scientific research ecosystem. While providing funding, Minidoge introduces broader participation, creativity, and market opportunities to research projects. DeSci's decentralized approach enhances research efficiency and addresses flaws in traditional systems, positioning this synergy as a critical driver of scientific innovation and Minidoge token value growth.
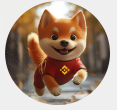
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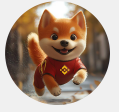# 6.1 Decentralized Research Funding Support

DeSci revolutionizes research funding by replacing reliance on governments or corporations with decentralized mechanisms. Integrating Minidoge tokens into DeSci enables global users and investors to fund projects directly. This model lowers funding barriers and incentivizes global community engagement.

Token Incentives

Minidoge tokens act as rewards for community members who fund specific projects.

Researchers earn tokens for contributing results or participating in activities, fostering a virtuous cycle.
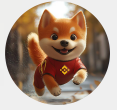
6.2 Decentralized Sharing and Application of Research Outcomes

Global Impact

- Decentralized platforms accelerate the global dissemination and application of research.

- The Minidoge community validates data and utilizes outcomes, driving progress and innovation.

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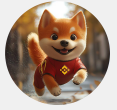## 6.3 Decentralized Governance Drives Research Innovation

Through DAO (Decentralized Autonomous Organization) governance, Minidoge community members shape research projects by proposing ideas or voting on priorities. This model:

- Aligns research with community needs.

- Breaks traditional institutional constraints.

- Eliminates political, financial, and administrative interference in research management.

6.4 Enhancing Research Sustainability

DeSci ensures long-term project stability via tokenized incentives:

- Participants earn Minidoge tokens for supporting research, attracting investors and sustaining projects.

- Direct financial rewards motivate ongoing contributions, securing activity continuity.

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6.5 Expanding Minidoge Token Utility and Value

Integrating Minidoge with DeSci amplifies its economic utility and real-world applications:

**Token
Use Cases**

- Access passes for research participation.
- Purchasing data, rewarding researchers, and more.

**Market
Advantage**

- Combining meme coin appeal with DeSci breaks traditional meme coin limitations.
- Growing demand from research projects boosts token value and market competitiveness.

Minidoge DeSc merges meme culture with decentralized science, creating a dynamic ecosystem where token incentives, governance, and global collaboration redefine research sustainability and innovation. This fusion elevates Minidoge′s utility while driving scientific progress and token value.

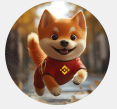# 7. Token Economics

Token Name: **MINIDOGE**

Total Issued: **1,000,000,000,000,000,000** MINIDOGE
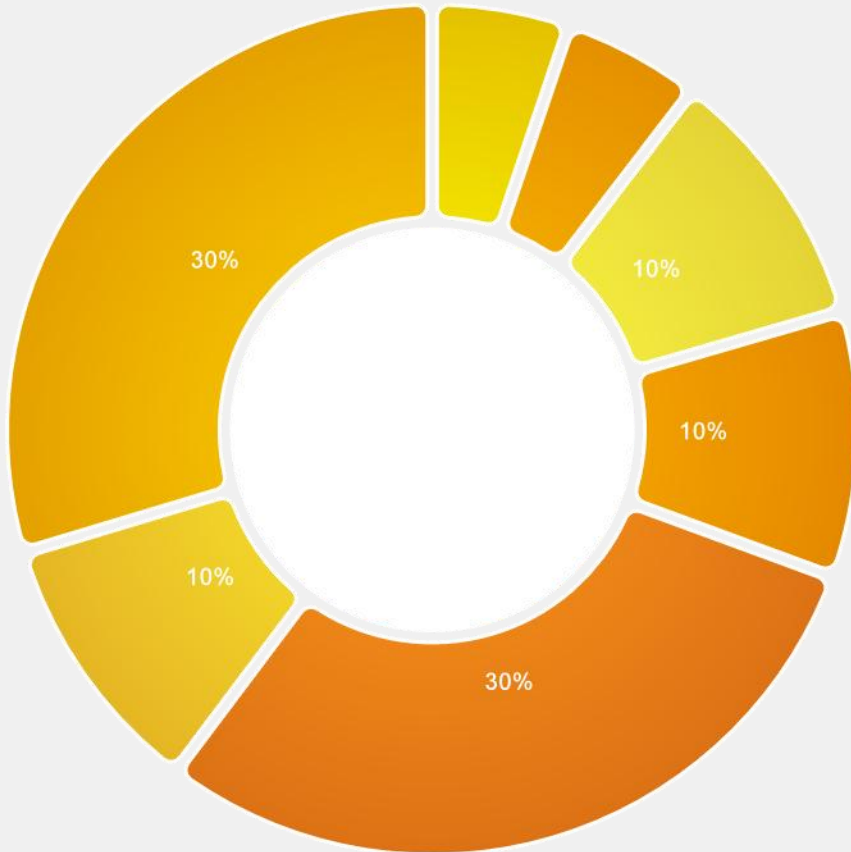
Issue price: 0.00000001USDT

Contract address [BSC]:

0xb5545E01be226F51Ac051afBfeD1E911e583A9a9

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Token Economics

Token Distribution Mechanism:

- Charity Fund: 5%
- Community Rewards: 5%
- Foundation: 10%
- Technical Team: 10%
- Liquidity Pool: 30%
- Airdrop Incentive: 10%
- Ecosystem Incentive: 30%

Trading Mechanism:

- Buy Fee: 0%
- Sell Fee: 10%
- Add LP dividends: 3%
- Return LP pot: 3%
- Community Marketing: 4%

8. Minidoge data-driven model

The Minidoge data-driven model aims to optimize all aspects of the project, including resource allocation, community incentives, market demand forecasting, and ecological governance through data collection, analysis, and intelligent decision-making. The goal of the model is to improve the efficiency, transparency and sustainability of the Minidoge ecosystem, utilizing big data and artificial intelligence technologies to ensure that the Minidoge program remains competitive in the marketplace and delivers sustained benefits and value to users.

8.1 Architecture for Data-Driven Modeling

The Minidoge data-driven model collects and analyzes a wide range of data from within and outside the ecosystem through a decentralized network. Its main components include:

Data Collection Layer

Minidoge collects multi-dimensional global data—including transaction records, user behavior, market trends, community feedback, and research project progress—in real time via blockchain networks, decentralized storage, and IoT devices.
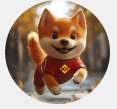
Data Analysis Layer

Leverages AI technologies like machine learning (ML), natural language processing (NLP), and deep learning to process and analyze data. Identifies latent trends, patterns, and anomalies within massive datasets, enabling intelligent decision-making for the ecosystem.

Intelligent Decision Layer

Generates automated decisions based on analytical insights and model outputs, such as dynamically adjusting token incentives, optimizing resource allocation, regulating DeFi/DeSci fund flows, and managing liquidity pool (LP) rewards. Integrates DAO mechanisms to empower community-driven, data-backed governance.

Feedback & Iteration Layer

Ensures continuous model optimization: Community behaviors, investor responses, and market feedback refine decision logic through closed-loop mechanisms, driving adaptive evolution of the ecosystem.

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8.2 Core Benefits of Data-Driven Modeling

Accurate Market Forecasting

The model analyzes historical data to predict market trends and volatility, enabling timely strategic adjustments. It delivers precise insights on token price fluctuations, DeFi arbitrage opportunities, and shifting community demands, empowering projects and users to make informed decisions.

Optimized Resource Allocation

By tracking user behavior and ecosystem resource flows, the model optimizes the distribution of funds, computing power, and storage—reducing waste and boosting efficiency. This is critical for maximizing user benefits in DeFi, DeSci, and DePin sectors.

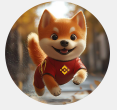## Enhanced User Engagement & Incentives

The model dynamically adjusts token rewards based on user contributions (e.g., liquidity providers, researchers, promoters), ensuring fair compensation. Precision incentives strengthen participation while sustaining long-term ecosystem vitality.

Transparent Decentralized Governance

All governance decisions are rooted in data-driven outcomes, ensuring transparency and fairness. DAO participants access clear data logic, enabling rational and efficient collective choices.

Proactive Risk Mitigation

Real-time feedback mechanisms identify market, technical, and operational risks early. The system autonomously adjusts strategies to minimize disruptions, safeguarding ecosystem stability.

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8.3 Application of data-driven models in different ecological segments

01

DeFi (Decentralized Finance)

The model monitors liquidity, trading pair volatility, and user capital demands, predicting market trends to dynamically adjust liquidity pool rewards, lending rates, and other key parameters. This enhances platform profitability and user engagement.
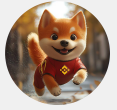
02

DeSci (Decentralized Scientific Research)

By analyzing project progress, funding needs, and market demand for outcomes, the model identifies high-potential research for support. It evaluates funding efficiency to ensure optimal allocation and accelerate the translation of research into practical applications.

03

DePin (Decentralized Physical Infrastructure)

The model optimizes global computing/storage resource allocation by tracking device usage and revenue data. It refines decentralized hardware incentive mechanisms to boost user participation and system efficiency.

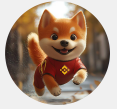# 8.4 Continuous optimization and future development

 With the development of blockchain technology and artificial intelligence, the Minidoge data-driven model will continue to evolve and optimize. In the future, we plan to introduce more innovative algorithms and technologies, including automated decision-making with blockchain smart contracts, the integration of more external data sources, and the use of deep learning technologies, to further enhance the intelligence and accuracy of the system.

9. statement denying or limiting responsibility

This whitepaper is for informational purposes only and is intended to detail the vision, goals, technical architecture and ecosystem concepts of the Minidoge project, with the goal of demonstrating the project's design concepts and development plans to potential investors, community members and partners. Everything in this white paper is for informational purposes only and does not constitute any form of investment advice or purchase recommendation.
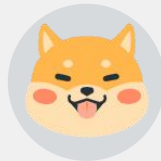
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9.1 Risk Warning

Investment Risks

Investing in Minidoge or related tokens（"Tokens"）carries inherent risks. Investors must independently assess market and project risks, exercise caution, and bear full responsibility for any losses incurred.
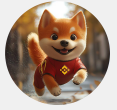
Market Volatility

Cryptocurrency markets are highly volatile, with significant price fluctuations. Even if ecosystem goals outlined in the whitepaper are achieved, external factors like regulatory shifts, technological hurdles, or broader market risks may impact Minidoge's token value.

Technical Risks

While the Minidoge team prioritizes security and technological advancement, blockchain and decentralized systems remain vulnerable to risks such as smart contract exploits, cyberattacks, or operational failures. Mitigation efforts will be ongoing, but absolute risk elimination cannot be guaranteed.

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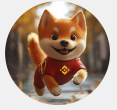## 9.2 Does not constitute investment advice

01

This White Paper should not be considered as any investment or financial advice. Investors should decide whether to participate in the purchase or investment of Minidoge Tokens based on their own independent judgment, risk tolerance and investment objectives.

02

Any participation in the Minidoge ecosystem should be based on a thorough understanding of the project, and investors should consult a professional financial, legal or tax advisor before making an investment decision.
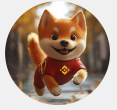
9.3 Legal Compliance

The Minidoge Project team will use reasonable efforts to ensure compliance with applicable laws and regulations, but due to differences in regulations in the digital currency and blockchain space across the globe, certain countries or regions may impose restrictions or bans on the issuance, trading or use of Minidoge and its tokens.

Investors are responsible for ensuring that their participation in the Project complies with the laws and regulations of the region in which they are located, and the Project Team shall not be liable for any violation of local laws and regulations.
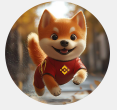
9.4 Changes to the content of the white paper

The information, data, analysis and plans contained in this white paper may be updated or modified as the project progresses or as market conditions change. The project team reserves the right to modify, update or withdraw the contents of this white paper at any time and will not be liable for any resulting consequences.

9.5 Limitation of liability

This whitepaper does not constitute a guarantee, promise, or assurance of benefits related to Minidoge or its tokens. The project team disclaims liability for any direct, indirect, incidental, special, punitive, or consequential damages arising from token investments or project participation.

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9.6 concluding remarks

Investors and users participating in the Minidoge ecosystem should fully understand the above risks and agree to take responsibility for their own investment decisions. The project team is committed to promoting the healthy development of the Minidoge ecosystem, but cannot control external factors or unforeseen risks. Investors should do adequate research and risk assessment before participating.