PEPEPOW Whitepaper

A Community-Driven Ecosystem for Blockchain Enthusiasts

From Memes to Momentum
Built to Meme, Built to Last

It is not the strongest of the species that survives, nor the most intelligent; it is the one most adaptable to change.

— Charles Darwin

I. Introduction

This whitepaper aims to present the history, technology, specifications, community governance, and future development directions of the PEPEPOW project. PEPEPOW is committed to creating a **community-driven**, **transparent**, **stable**, and **adaptable** ecosystem, enabling crypto enthusiasts, miners, node operators, and developers to collectively drive the project's evolution.

As Darwin said, survival depends on adaptability to change. PEPEPOW embodies this spirit by emphasizing continuous learning, growth, and evolution in a fast-changing market environment. It empowers the community to participate and leave their mark on the ecosystem.

> **Disclaimer**: This document does not constitute financial or investment advice. It serves as a reference for the technical and community governance aspects of the PEPEPOW project. Any future policy, protocol, or technical changes related to the project may be adjusted based on community consensus and actual needs.

II. Project Background and Origin

2.1 Origin and Vision

- **Launch Date**: PEPEPOW launched its Genesis Block on May 12, 2023, inspired by the PePe meme culture and the principles of decentralized currency.

- **Objective**: To provide a continuously evolving blockchain platform where developers, miners, and investors worldwide can collaborate, benefit, and contribute to the community.

- **Principles**:

    1. **Community-Driven**: Governance and decision-making power are decentralized to the community through voting, discussions, and transparent mechanisms.

    2. **Open Collaboration**: Continuous exploration of cross-chain collaborations, multi-liquidity pools, and other integrations to foster synergies.

3. **Adaptability**: Flexibility in technical specifications, supply mechanisms, and reward models to meet market trends and community needs.

2.2 Milestones

Key events since the project's inception:

- **2023/05/12**: Genesis Block launched.

- **2023/08/10**: First hard fork; community agreed to remove founder fees and update the core wallet.

- **2023/09/25**: Listed on CoinGecko, enhancing market visibility.

- **2023/10/08 ~ 10/15**: DAO nominations and appointments marked a new era in community governance.

- **2024/01/14**: Community vote approved a 5% developer fee for project development and integration needs.

- **2024/02/24**: New Discord server launched to enhance security and communication.

- **2024/08/29**: Algorithm updated to XelisV2-pepew for optimized block production and mining.

- **2024/12/24**: IEO on Dex-Trade to expand market influence.

(More details can be found on the official website.)

III. Core Technology and Specifications

3.1 Consensus Mechanism and Algorithm

- **Algorithm**: Initially adapted from Dash's Memehash; currently utilizes **XelisV2-pepew** after several hard forks.

- **Key Features**:

1. **Speed and Cost**: Block time of approximately 20 seconds, ensuring fast transactions with low fees.

2. **Energy Efficiency and Security**: XelisV2-pepew balances energy consumption with security, supporting CPU mining (future GPU mining support is possible).

3. **Privacy Options**: Built-in privacy features allow users to opt for transaction modes similar to cash for enhanced confidentiality.

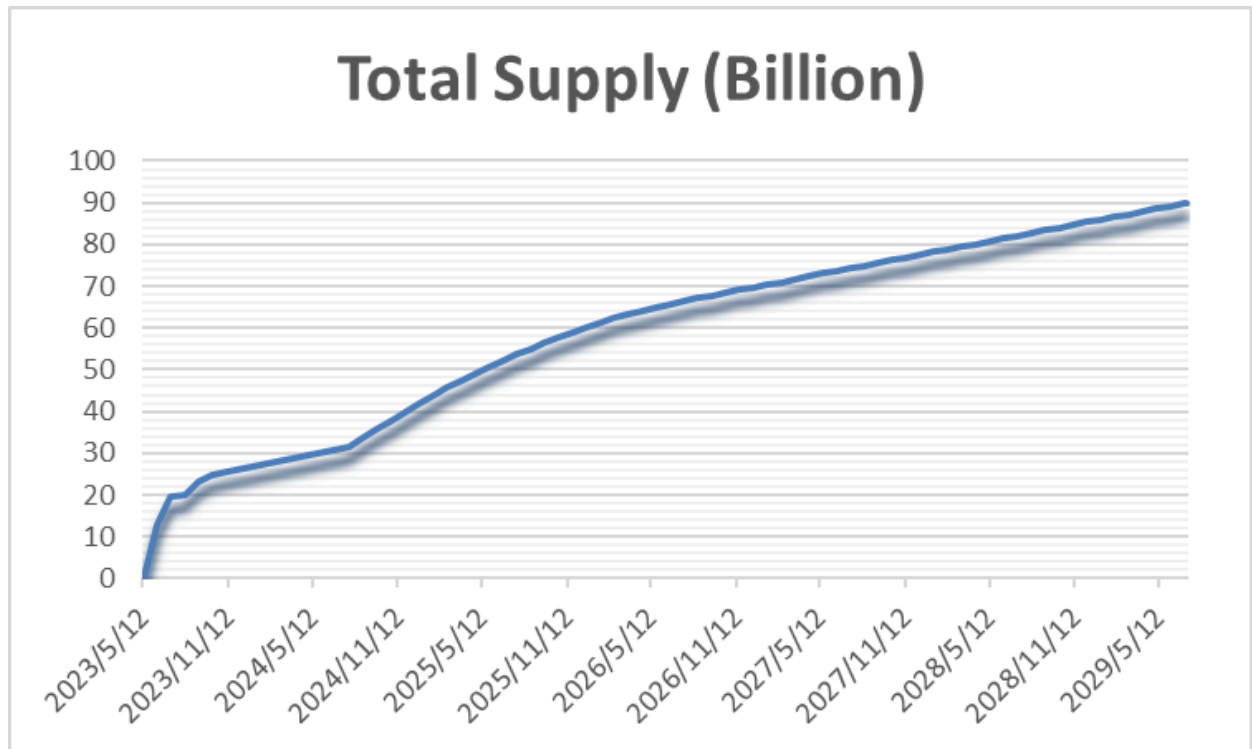## 3.2 Dual Reward Mechanism: Miners and Masternodes

- **Dual Rewards**: Each block reward is distributed as 65% to miners and 35% to masternodes.

- **Masternodes**:

  - **Role**: Assist in governance, transaction acceleration, and consensus maintenance.

  - **Requirements**: A collateral of 10,000,000 PEPEW and appropriate node configuration in the wallet.

  - **Benefits**: Block rewards and governance voting rights to participate in proposals and decisions.

3.3 Reward Allocation and Supply Curve

- **Block Time**: Average of 20 seconds.

- **Block Rewards**: Gradually decrease with block height to ensure high early liquidity, with **Super Blocks** for tail emissions.

- **Super Blocks**: Every 1000 blocks, one "Super Block" rewards 2–5x the base block reward. When the total supply reaches 90 billion, only Super Blocks will issue small emissions to offset lost coins over time.

- **Initial Blocks**: High rewards (100,000 PEPEW) were allocated in the early blocks to incentivize participation and provide liquidity.

- **Subsequent Reductions**: Rewards gradually decrease, reaching a steady state to stabilize the token supply.

- **Long-Term Supply**: Beyond block 2,318,800, rewards are reduced by 500 PEPEW every 129,600 blocks until reaching a minimum of 5,000 PEPEW.

- The chart below illustrates the historical and future reward allocation, including the gradual reductions and the periodic Super Blocks.

Total Supply (Billion)

Blocks Range	Reward (PEPEW)
1 - 129600	100,000
129601 - 259200	50,000
259201 - 385000	5,000
385001 - 514600	25,000
514601 - 644200	12,500
644201 - 773800	6,250
773801 - 1930000	5,000

Blocks Range	Reward (PEPEW)
1930001 - 2059600	17,000
2059601 - 2189200	16,500
2189201 - 2318800	16,000
>2318800	Reducing by 500 every 129,600 blocks until a minimum of 5,000

3.4 Wallet and Developer Fees (DevFee)

- **Version Updates**:

  - From **v2.4.4.2** (2024.2.1), a 5% Dev Fee is implemented: 1% to main developers and 4% to DAO escrow participants.

  - Latest stable version: **v2.6.3.2**, featuring bug fixes and enhanced performance. Check GitHub to see if there's a latest version available..

- **Wallet Types**:

  - **Desktop Wallet**: Available for Windows and Linux (x86_64, AARCH64).

  - **Web Wallet (Beta)**: https://wallet-pepepow.foztor.net

  - **Mobile Wallet (In Development)**: Collaborations with Forsa (iOS) and XeggeX (iOS/Android).
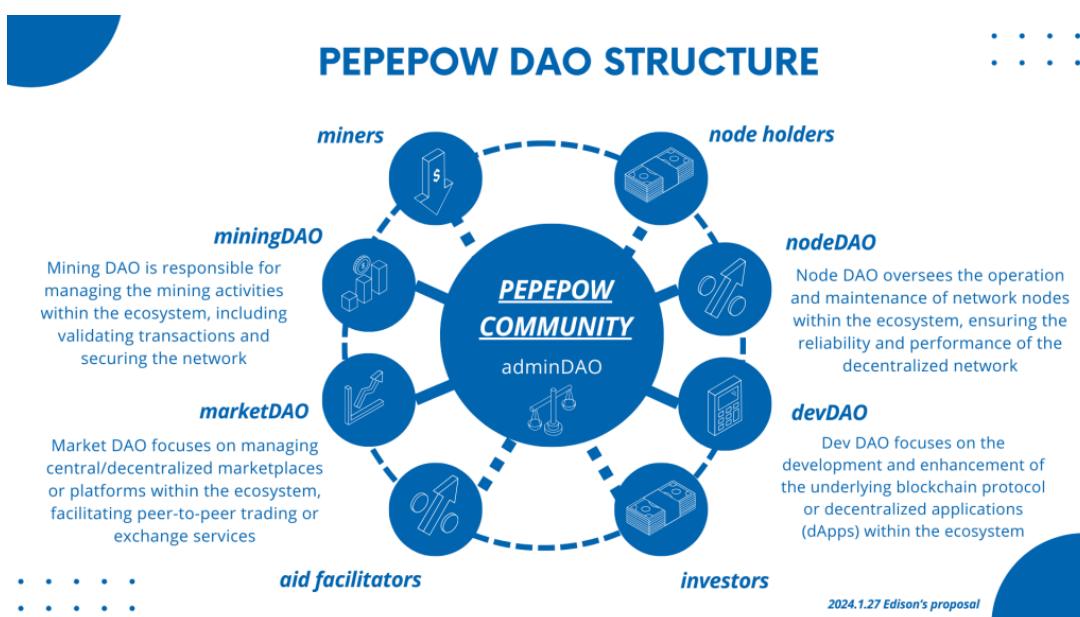

IV. Community Governance and DAO Structure

4.1 Decentralized Autonomous Organization (DAO)

PEPEPOW relies on DAO for core governance, allowing community members to actively participate in decision-making. DAO branches include:

1. **adminDAO**: Manages administration and financial allocations.

2. **miningDAO**: Focuses on mining-related policies, community operations, and algorithm proposals.

3. **nodeDAO**: Addresses masternode configurations, protocol parameters, and rewards.

4. **marketDAO**: Oversees exchange integrations, liquidity, marketing, and partnerships.

5. **devDAO**: Focuses on core development, wallet updates, and technical advancements.

PEPEPOW DAO STRUCTURE

miners   node holders

miningDAO
Mining DAO is responsible for managing the mining activities within the ecosystem, including validating transactions and securing the network

nodeDAO
Node DAO oversees the operation and maintenance of network nodes within the ecosystem, ensuring the reliability and performance of the decentralized network

PEPEPOW COMMUNITY
adminDAO

marketDAO
Market DAO focuses on managing central/decentralized marketplaces or platforms within the ecosystem, facilitating peer-to-peer trading or exchange services

devDAO
Dev DAO focuses on the development and enhancement of the underlying blockchain protocol or decentralized applications (dApps) within the ecosystem

aid facilitators   investors

2024.1.27 Edison's proposal

Each branch independently handles proposals and ensures transparency by publishing results.

4.2 Voting Mechanism

-   **Platform**: Voting happens mainly on Discord, with Twitter and Telegram offering supplementary input. Future plans include a DApp for better transparency.

-   **Process**:

    1. **Proposal Announcement**: Proposals are shared on Discord and official channels with clear descriptions and objectives.

    2. **Discussion Period**: A set time is allocated for community feedback and adjustments, focusing on Discord, with input from other platforms.

3. **Voting Period**: Voting is open long enough to ensure fairness. Discord results carry the most weight, with other platforms providing additional insight.

4. **Execution**: Approved proposals are carried out by DAOs or developers, with progress updates shared.

4.3 Funding and Financial Management

- **Funding Sources**:

  - Community donations.

  - Mining pool contributions via designated official pools.

  - 4% of the 5% developer fee allocated to the DAO.

- **Fund Usage**:

  1. **Grants**: Financial support for projects that benefit the ecosystem, such as DEX integration or enterprise applications.

  2. **Network Infrastructure**: Rewards for developers, community managers, public relations, and maintenance teams.

  3. **Reserve Fund**: A contingency fund for emergencies or project rescues, with diversified asset allocations.

  4. **Marketing**: Promotion campaigns, outsourced projects, sponsorships, and event budgets.

V. Current Status and Market

5.1 Exchanges and Pricing

- **Listed Exchanges**:

  1. **XeggeX**: A primary trading platform offering stable liquidity.

2. **NonKYC.io**: An anonymous exchange appealing to privacy-conscious users.

3. **Exbitron**: Known for diversity and innovation in trading environments.

- **Future Plans**:

    - **Dex-Trade IEO**: Scheduled for 2024/12/24, issuing 200 million PEPEPOW at 0.00015 USDT/PEPEPOW (subject to official updates).

    - **Depth Expansion**: Exploring decentralized exchanges (DEXs) and collaborating with centralized platforms for additional listings.

5.2 Market Volatility

- **Trading Volume**: As an early-stage project, PEPEPOW's price and volume are highly sensitive to large trades, news, and market sentiment.

- **Stability Challenges**: By expanding exchange availability, encouraging long-term holdings, and increasing miner participation, volatility is expected to gradually reduce.

5.3 Distribution and Rich List

- **Holder Distribution**: 100% held by the public.

- **Rich List**: Available on the PEPEPOW Explorer: https://explorer.pepepow.org/richlist

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VI. Future Development and Roadmap

6.1 Short-Term Focus

1. **Cross-Chain Bridges**

    - Integrating cross-chain asset bridges to enhance PEPEPOW's interoperability and application scenarios.

- Potential collaborations with platforms like Komodo to enable seamless asset movement across ecosystems.

2. **Multi-Liquidity Pools**

   - Introducing PEPEPOW liquidity pools across multiple decentralized exchanges (DEXs) or aggregators to improve market depth and price discovery.

   - Proposals through marketDAO to launch liquidity provider (LP) reward programs.

3. **Enhanced Privacy and Security**

   - Strengthening protocol-level privacy features and network security.

   - Improving node validation and algorithm defenses to mitigate risks such as 51% attacks.

4. **Community Education and Outreach**

   - Developing multilingual guides for node setup, mining tutorials, wallet usage, and trading operations.

   - Launching official YouTube channels or other video platforms to help newcomers onboard quickly.

6.2 Mid- to Long-Term Vision

1. **DAO Optimization**:

   - Implementing on-chain voting systems or independent DApps to further decentralize governance.

   - Enhancing transparency and trust by ensuring public access to financial records.

2. **Ecosystem Applications**:

   - Encouraging developers to build DApps or smart contracts (if supported in the future) to expand use cases.

- Launching collaboration platforms for community-driven marketing, technical, or design projects.

3. **Industry Expansion**:

  - Exploring partnerships with e-commerce, gaming, and NFTs to boost token utility and adoption.

  - Establishing regulatory and legal support systems to ensure user participation across jurisdictions.

4. **Global Community Growth**:

  - Expanding into multilingual communities, with increased efforts in emerging markets like South America and Southeast Asia.

  - Building cross-project collaborations to amplify PEPEPOW's reputation and technological impact.

VII. Wallet Setup, Nodes, and Mining Guide

PEPEPOW provides user-friendly tools and guides to help beginners get started:

1. **Wallet Download**:

  - Official GitHub: https://github.com/MattF42/PePe-core

  - Desktop wallets available for Windows and Linux (x86_64 and AARCH64).

2. **Mining Tutorial**:

  - Detailed mining setup guides are available on the official website and Discord.

  - Supports CPU mining with potential future GPU support, including configuration examples and performance optimization tips.

3. **Masternode Setup**:

- Node installation scripts and official documentation to assist users in deploying nodes quickly.

Complete documentation can be found at:

- PEPEPOW website

- PEPEPOW Discord

VIII. Conclusion

PEPEPOW's core values are rooted in decentralized governance, community-driven development, and self-evolving blockchain technology. Through multiple upgrades and governance refinements, PEPEPOW has demonstrated remarkable scalability and potential for future growth.

With initiatives like cross-chain bridges, liquidity pools, and ongoing technological innovation, PEPEPOW is more than just another cryptocurrency. It is a sustainable ecosystem shaped by global crypto enthusiasts, developers, and investors.

Thank you for supporting PEPEPOW. Together, let's build a more prosperous decentralized future!