






A Privacy-Preserving, Cryptographically Scarce Token

*Backed by ETH burn* 🔥




# The Problem

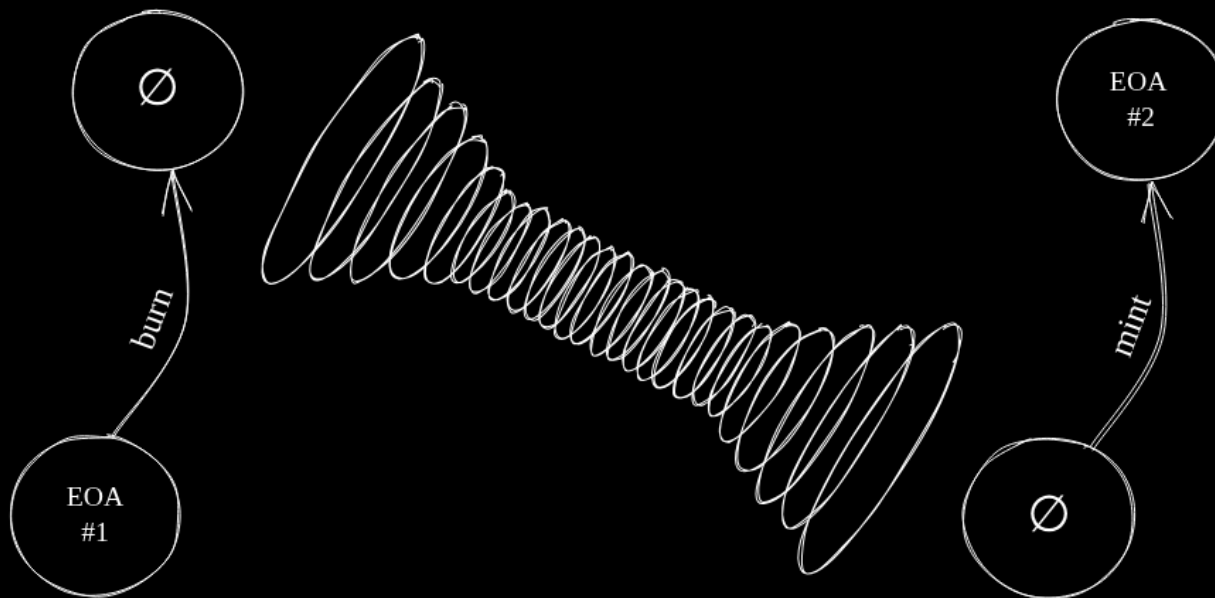
 Privacy  $\neq$  Invisibility 

-  Tornado Cash users *flagged* despite ZK privacy
-  On-chain activity = signal
-  Mixing  $\neq$  plausible deniability

Privacy without deniability is just surveillance-resistant!

# EIP-7503

1. Burn ETH (Privately! )
2. Prove it 
3. Get something back in return! 



# Plausible Deniability

Deny you have ever participated in a privacy protocol!



This is what an outsider sees:

- A perfectly normal looking transfer. 🧑
- To a perfectly normal looking Ethereum address. 👁
- Only you and the ZK circuit knows this is a burn-address! 🔥

# WORM's implementation



WORM

- Burn ETH
- Get WORM



*bitcoin*

- Burn electricity ⚡
- Get BTC



# WORM Issuance



50 WORM

/

30 min



$$\text{WORM per user} = (\text{User's BETH}) / (\text{Total BETH}) \times 50$$

# The Two-Token Model

## BETH – Burn Receipt

-  1 BETH = 1 ETH provably burned

## WORM – Scarce ERC-20 Token

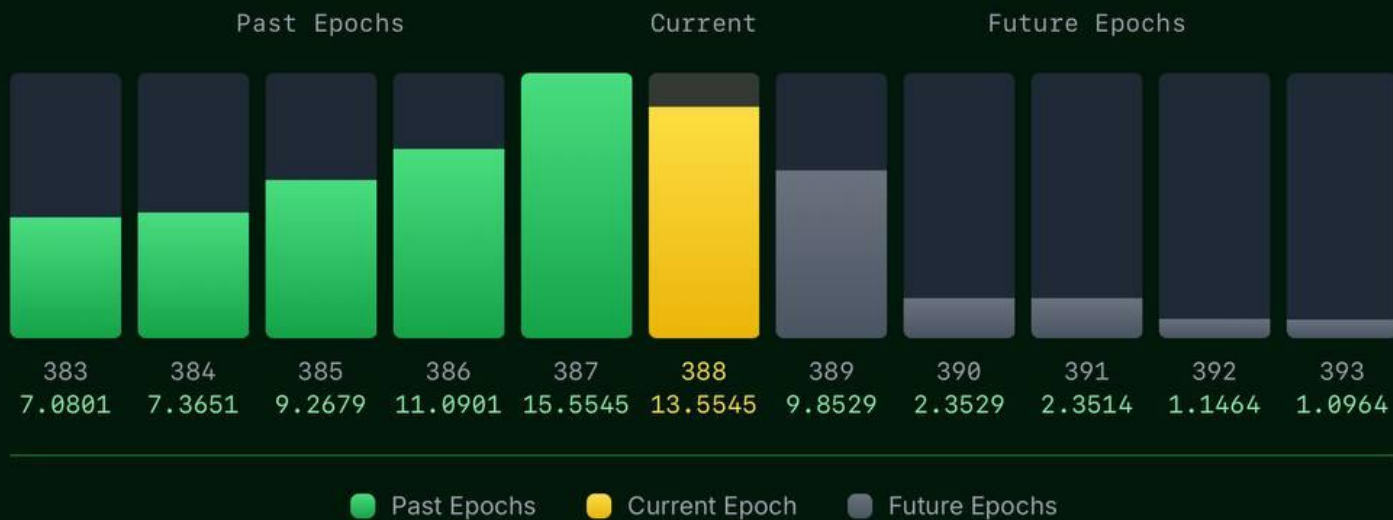
-  50 minted / 30 min epoch



# Lindwurm Testnet

## ↗ Epoch Burn Timeline

ETH consumption across past, current, and future epochs







# Lindwurm Testnet

Current Epoch



**865**

Active burn period

Total ETH Burned



**6436.5070**

BETH total supply

Total WORM Minted



**32233.4755**

WORM total supply

Network



**Sepolia**

Ethereum testnet

**~40 real participants**



# Lindwurm Testnet

## ↗ Epoch Burn Timeline

ETH consumption across past, current, and future epochs





# Shai-HuLud Testnet

Current Epoch

**1104**

🕒 07:30

Active burn period

Total ETH Burned

**493745.2489**

BETH total supply

Total WORM Minted

**51251.6681**

WORM total supply

Network

**Sepolia**

Ethereum testnet

## Epoch Burn Timeline

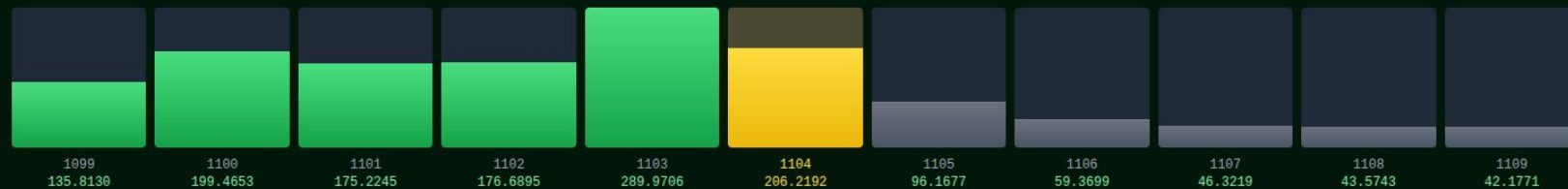
ETH consumption across past, current, and future epochs

Connected: 0x678bacb1...b932d4

Past Epochs

Current






Future Epochs



■ Past Epochs ■ Current Epoch ■ Future Epochs ■ Your Contribution

**~4000 unique wallets**

# Technology stack


-  **Circom + SnarkJS**
-  **Poseidon** hash function for burn-address generation
-  **Keccak** hash function for Merkle-Patricia-Trie proofs
-  **Solidity** verifier contracts
-  **Rust**-based ETH-burner and WORM-miner

# Good and bad BETH are distinguishable



The good actor may provide a ZK proof that his burnt ETH is not associated with bad actors!

# Comparison

	Tornado	Railgun	WORM
On-chain link	Yes	Yes	Receiver only
Sanctionable	Yes	Yes	Receiver only
Proof of innocence	No	Yes	Yes
Deposit fee	1,088,354	730,000	21,000 
Withdrawal fee	301,233	> 500,000	303,000

 Sending is just a plain transfer

# Tokenomics (BETH)

ETH

BETH

1

:

1

# Tokenomics (WORM)


Monero-style gradual decay with tail emission

Why?

- Provides a clear, predictable supply curve.
- Supports stable growth of the privacy ecosystem.
- Incentivizes long-term network participation.



# Tokenomics (WORM)

Year	Block Range	Avg Block Reward (WORM)	Annual Reward (WORM) 
1	0 - 17,520	~37.0	$37 \times 17,520 = 647,000$
2	17,521 - 35,040	~27.5	$27.5 \times 17,520 = 481,800$
3	35,041 - 52,560	~20.5	$20.5 \times 17,520 = 359,160$
4	52,561 - 70,080	~15.3	$15.3 \times 17,520 = 268,000$
5	70,081 - 87,600	~11.4	$11.4 \times 17,520 = 199,700$
6	87,601 - 105,120	5 (tail)	$5 \times 17,520 = 87,600$
7	105,121 - 122,640	5	87,600
8	122,641 - 140,160	5	87,600
9	140,161 - 157,680	5	87,600
10	157,681 - 175,200	5	87,600

$$R(n) = \max \left( (R_0 - R_{tail}) \times e^{-k \times n} + R_{tail}, R_{tail} \right)$$

# Donation campaign



**WORM** ⬇

Privacy Through Private-Proof-of-Burn

🔒 Project #165 | Owned by: keyvank.eth | Created September 1, 2025



PAYMENTS

**898**

TOTAL RAISED

**\$153,517**

Activity

About

Rulesets & Funds

**Tokens**

## Tokens

ⓘ This cycle has token cash outs disabled

Your balance

**0 tokens**

Project token

**Token** Juicebox native

Current total supply

**36770.216**

**Pay**

Cash out

You pay

0



ETH






Balance: 0

[Get ETH](#)






**Connect wallet**

# Roadmap

## Q3 2025

- Implementing the Proof-of-Burn circuits 
- Launching and finalizing the Lindwurm testnet 
- Auditing and freezing of Proof-of-Burn circuits 
- Finalizing the tokenomics / raising fund  

## Q4 2025

- Launching WORM's second testnet 
- Performing trusted-setup ceremony 
- Building better UX + Bridge/DEX integrations 
- Mainnet preparation 
- Building a more sophisticated WORM-miner 

## Q1 2026



MAINNET LAUNCH!



**Thanks!**



**#FreeRomanStorm**