



WORM

A Privacy-Preserving, Cryptographically Scarce Token

Backed by ETH burn 🔥

The Problem

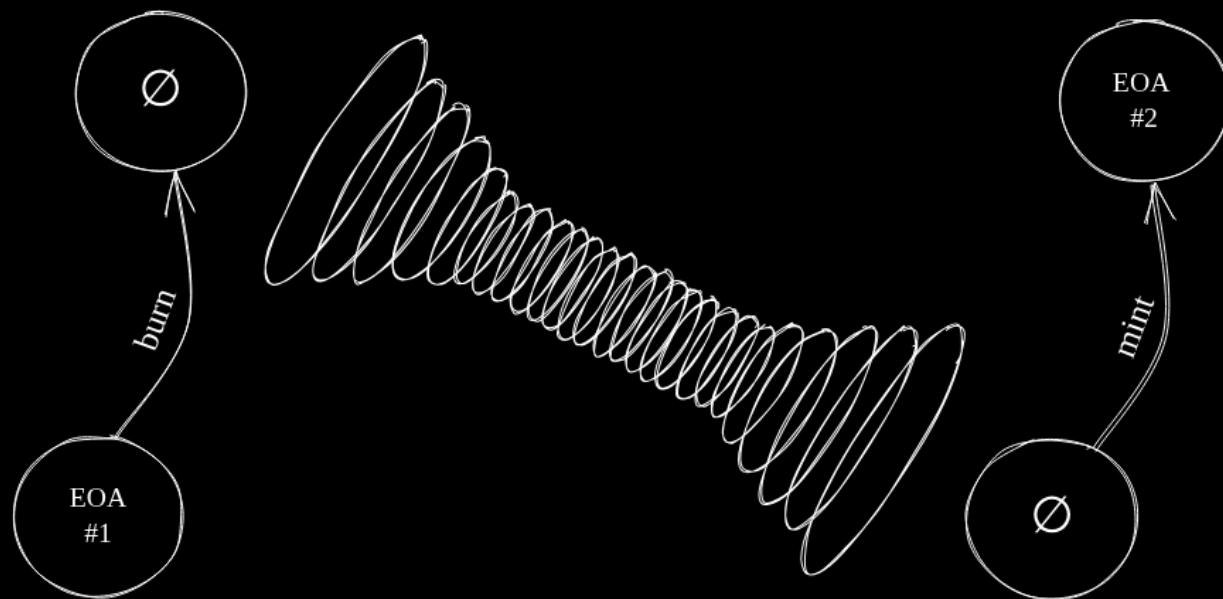
🎭👻 Privacy ≠ Invisibility 😬

- 🌪️ Tornado Cash users *flagged* despite ZK privacy
- 🏴️ On-chain activity = signal
- 🍲 Mixing ≠ plausible deniability

Privacy without deniability is just surveillance-resistant!

EIP-7503

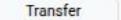
1. Burn ETH (Privately! 😈)
2. Prove it 📄
3. Get something back in return! 🎁



Plausible Deniability

Deny you have ever participated in a privacy protocol!



 0xbfd... 	 Transfer	8879368	3 days ago	0x0F19c76C...f795ac396 	 OUT	0x2402128E...03cEA6035 	1 ETH	0.000021
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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



bitcoin

- Burn ETH
- Get WORM
- Burn electricity ⚡
- Get BTC



WORM Issuance

50 WORM / 30 min



WORM per user = (User's BETH) / (Total BETH) × 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

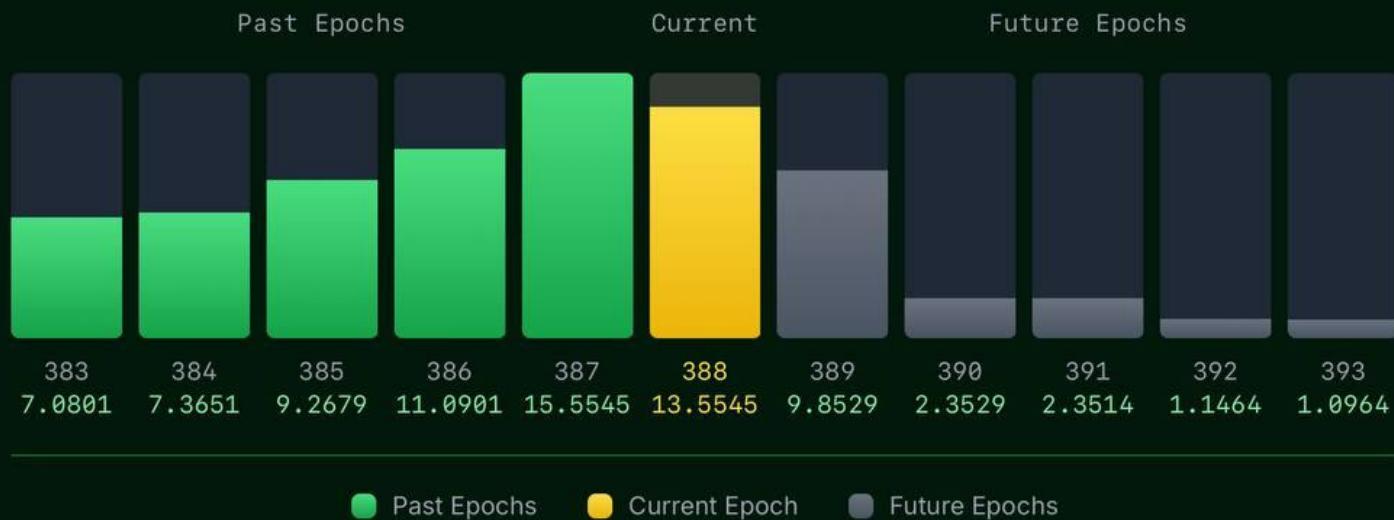
~40 real participants



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

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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

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

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  SOON
- Building better UX + Bridge/DEX integrations  SOON
- Mainnet preparation  SOON
- Building a more sophisticated WORM-miner  SOON

Q1 2026

 MAINNET LAUNCH! 

Thanks !



#FreeRomanStorm