

# How to coordinate an epistemic revolution

Dr Nick Almond

Devcon Friday Room 5 HATS, Nov 15th 11:10AM - 11:35AM, 2024



# Overview

- What's going on with title?
- Prediction markets and info finance
- Mechanisms for markets
- Mechanisms for our minds
- The future of intelligence



#Socio#Technical

We are in a moment of epistemic crises

**Epistemology is how you look at  
the world**









**Truth is under attack**

A close-up photograph of a man with light brown hair, wearing dark sunglasses and a white shirt with a blue and black tropical print. He is looking directly at the camera with a neutral expression. His right hand is holding a black iPhone with a silver edge and a white Apple logo on the back. The background is a plain, light-colored wall.

We are being  
brainwashed

**Our minds are socially  
constructed**



my highly evolved prefrontal cortex allows me to use reason in collaboration with other neurological functions



cool what's that like?



i mostly spend my time trying to figure out why i'm so sad and what the fuck i'm supposed to be doing here



sounds rad. i'm gonna go fight a guy, get laid, eat a fruit and then sleep for a while

The feeds are the  
new  
battleground



This is a big problem. We need to  
fix it.

The problem is, it's about to get a  
lot worse.

# Centralised AI

- We now have a pipeline of truth served up by an API.
- It's 'policy' architecture takes information from the bulk model and passes it through a filter.
- The filter, is a new epistemology for the world.
- We are outsourcing our truth to an oligopoly.
- And they're all playing to win, us



**How to coordinate an epistemic revolution?**

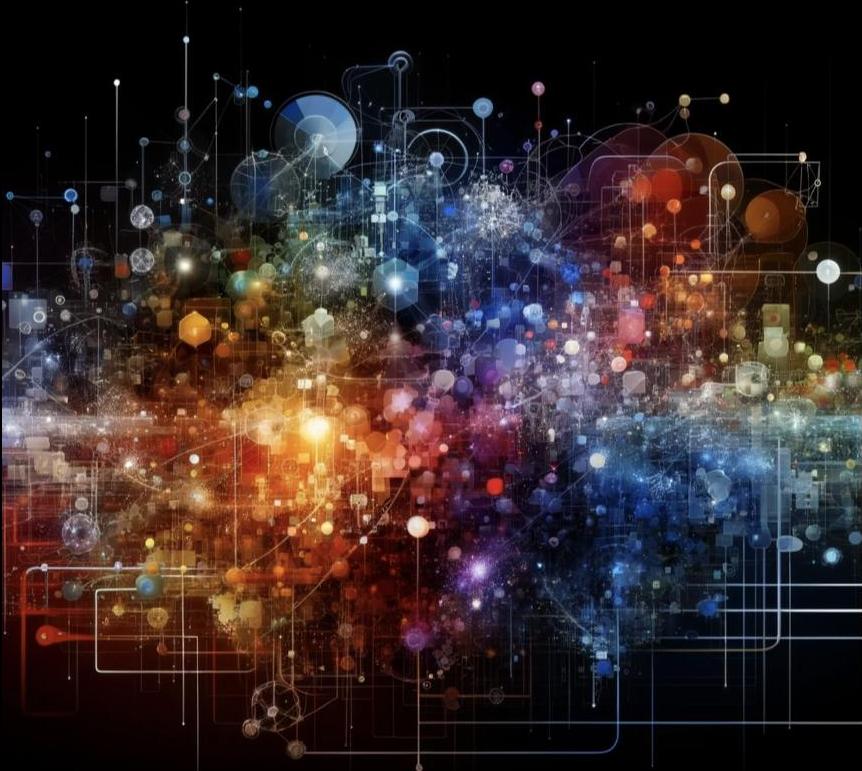
We need new sources of truth

#Technical

Prediction markets are a part of  
the answer

# There's a lot of work to do

- The oracles are very optimistic
- We can do far better at curating predictors
- We need to get better at asking questions
- We need to worry about incentive compatibility
- We need to worry about the dark side of prediction markets
- Liquidity is the limitation



info finance might be the answer

## Ballot #04

SELECT AN IDENTITY TO VOTE

FVT 06

TOURNAMENT DETAILS

06:21:32

hrs to vote close

08:00:00

20:00:00

Reward Pool

100,000 \$FVT

Market Close

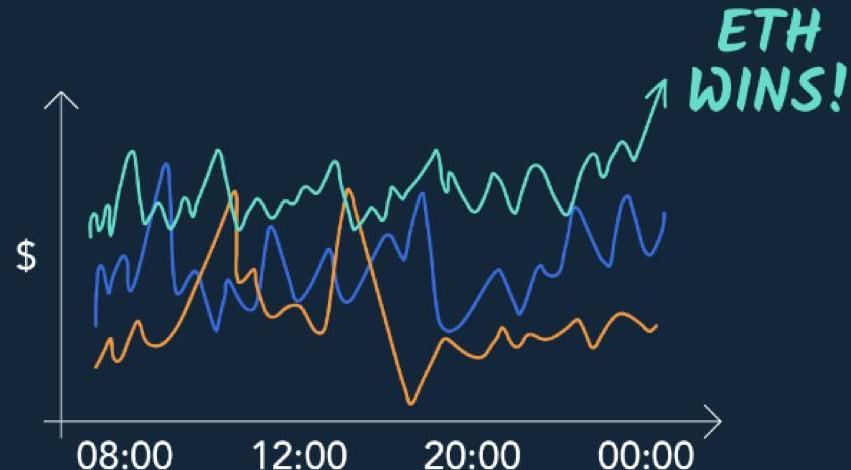
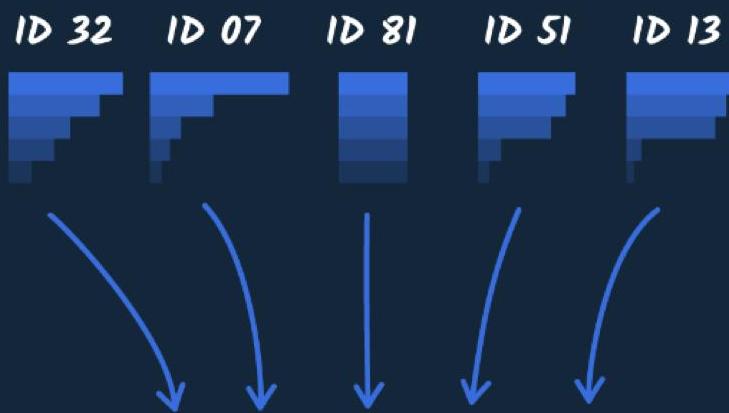
July 8th, 2024

13 \$V LEFT

#	Reserve RSR	\$0.0056 + 1.32%	Vote <input type="button" value="2"/>
BNB	BNB	\$580.25 + 0.13%	Vote <input type="button" value="5"/>
Aptos	APT	\$6.9422 + 0.79%	Vote <input type="button" value="6"/>
Ethereum	ETH	\$3,451.85 - 0.89%	Vote <input type="button" value="3"/>
Bitcoin	BTC	\$63,604.56 - 1.48%	Vote <input type="button" value="3"/>
DAI	DAI	\$0.9998 + 0.01%	Vote <input type="button" value="2"/>
Solana	SOL	\$130.85 + 0.98%	Vote <input type="button" value="0"/>

SUBMIT

*Players cast their 100 voting credits across a basket of assets, making predictions about future performance.*

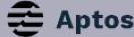


08/07/24 - 09/07/24

# Ballot #01



PROJECTED WINNER



Aptos

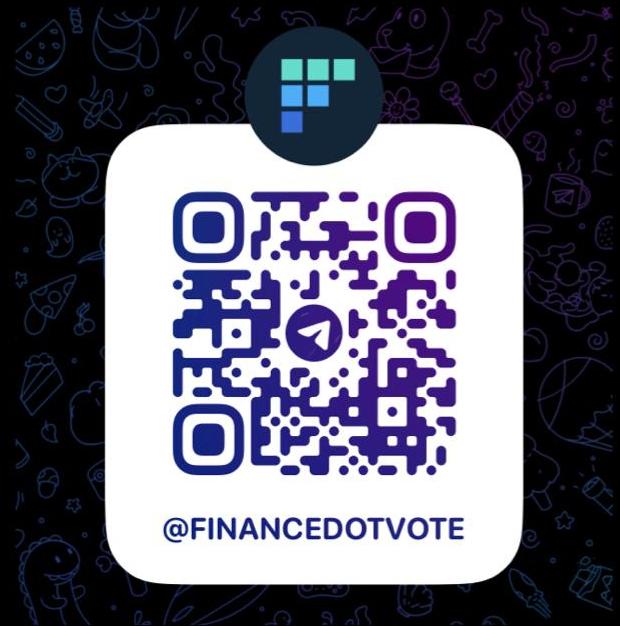
MARKET WINNER



Bitcoin

## COMMUNITY VOTES

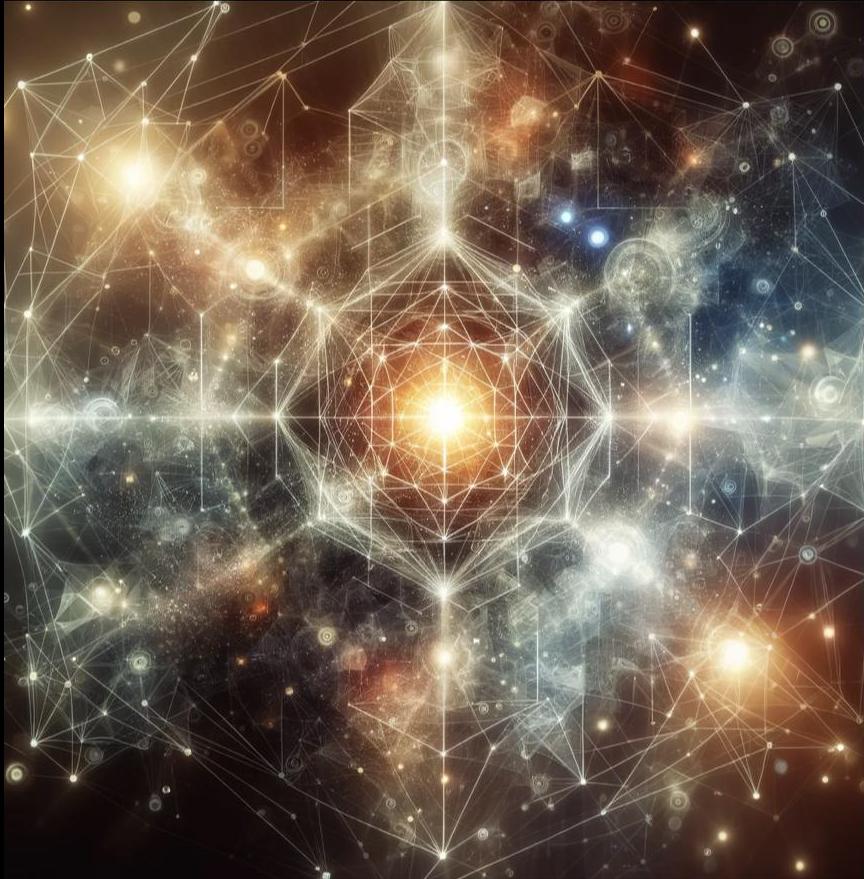
	<b>Aptos</b> APT	\$6.9422 + 0.79%	\$Vote 379
	<b>BNB</b> BNB	\$580.25 + 0.13%	\$Vote 342
	<b>Bitcoin</b> BTC	\$63,604.56 - 1.48%	\$Vote 290
	<b>Ethereum</b> ETH	\$3,451.85 - 0.89%	\$Vote 267
	<b>DAI</b> DAI	\$0.9998 + 0.01%	\$Vote 241
	<b>Reserve</b> RSR	\$0.0056 + 1.32%	\$Vote 219



# Join FVT

# The Next Era of Prediction Markets

- Go beyond basic market mechanisms.
- Reputation systems to discover who the best predictors are.
- Incorporate prediction histories and sequentialise prediction markets.
- AI as players in the game
- Validate the evidence scientifically
- Decentralised governance over question creation
- Better oracles
- Better tokens





Jeo Boden \$0.004106 ▲ 23.8%



Overview

Info

Markets

News

Similar Coins

Related NFTs

Historical Data





Jeo Boden \$0.004106 ▲ 23.8%



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CoinGecko

**Memecoins now are mostly bad memes  
and all rugs, but they could be prediction  
markets**

We need an infinite garden of mechanisms

**But to get that, we need to fix the  
market structure**

We need to stop thinking of  
tokens as equity

We need to find aligned capital

# THE DAO SUPPLY CHAIN

## Fully Onchain Capital Formation

Our vision is to entirely decentralise the genesis of projects, so that centralised structures are no longer necessary, replacing the LLC with a DAO.

Using the FactoryDAO tools, it will be possible to bring the full digital asset capital formation process onchain.

SAFEs, SAFTs and token warrants can all be replaced with digital asset structuring from end-to-end.



Issue NFT governance tokens, raise on art, discover the price of non fungible assets

Trustlessly issue vested tokens, lock in token emissions at genesis, decentralised payroll

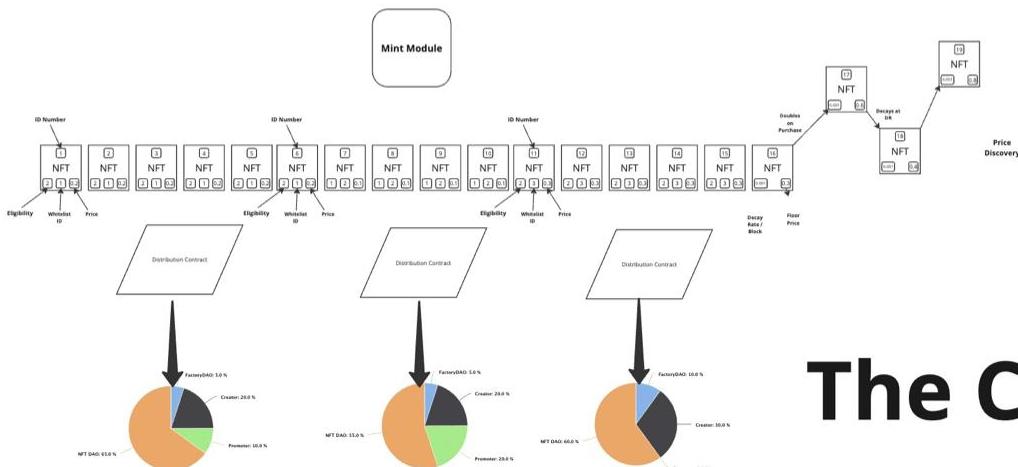
Totally decentralised market formation and liquidity bootstrapping, listing price discovery

Staking, stake weighted voting, harberger tax based gamified market making, DAO controlled liquidity incentives.

Decentralised decision making, DAICO based treasury management, emergent governance



# The Mass Mint

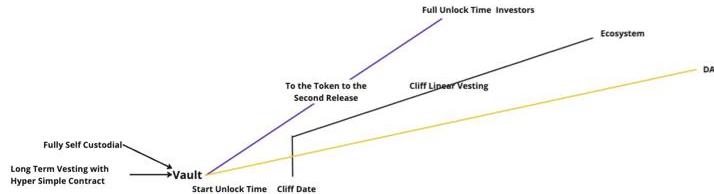


**Burn to Claim**

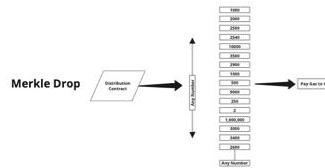
# The Continuous Auction

# H Bank

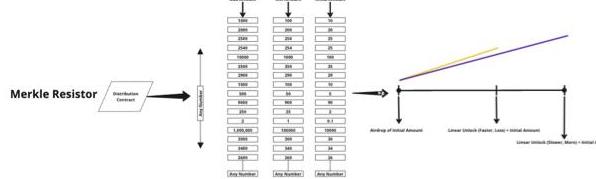
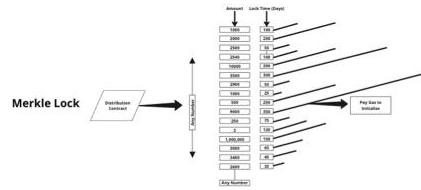
## Vault



## Merkle Drop



## Merkle Lock

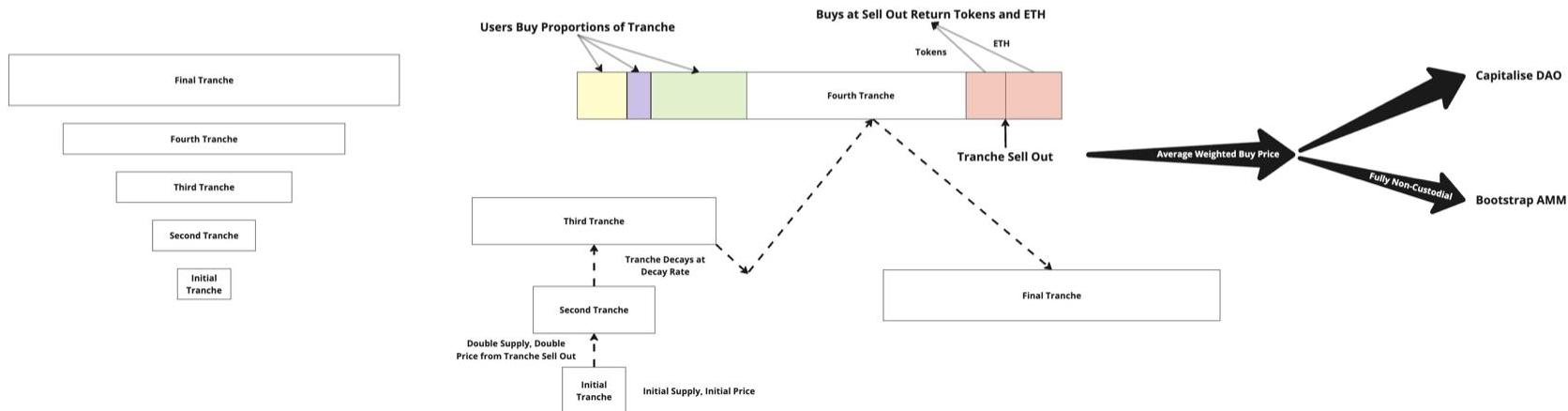


## Merkle Resistor



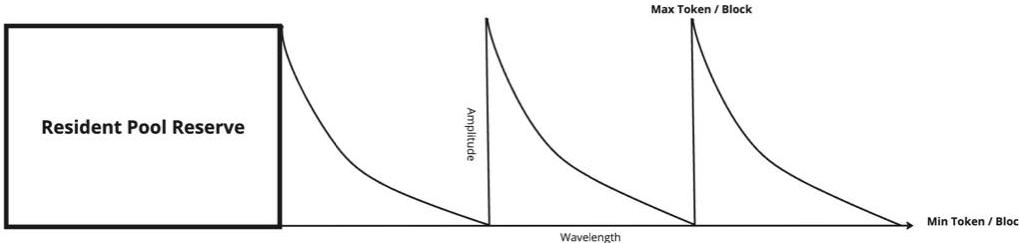
# The Exponential Token Auction

## The Price Action

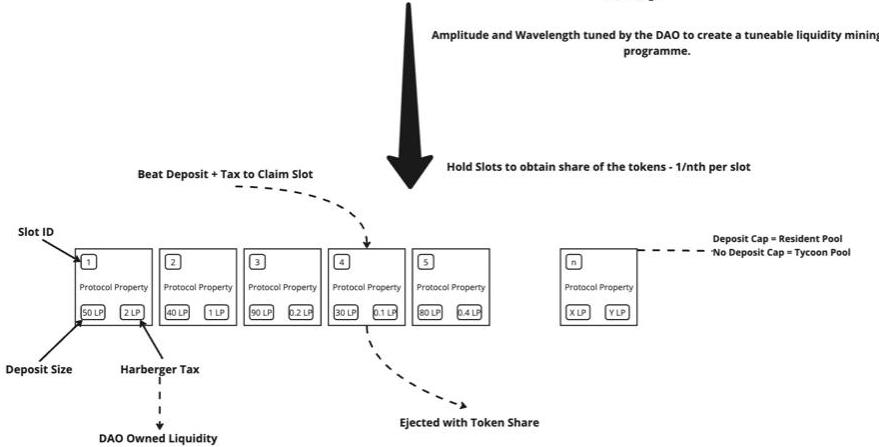


# Yield Resident Pool

Quadratic Pulse Emission Curves

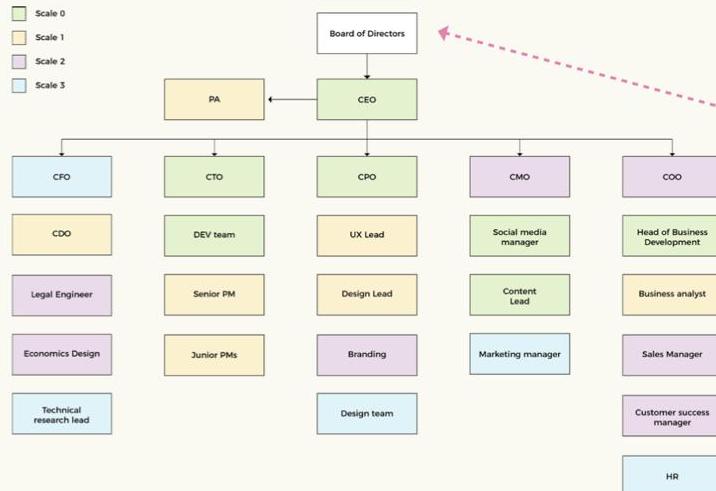


Amplitude and Wavelength tuned by the DAO to create a tuneable liquidity mining programme.



We should pay people fairly for  
their work

# A HYBRID DECENTRALISED ORGANISATION



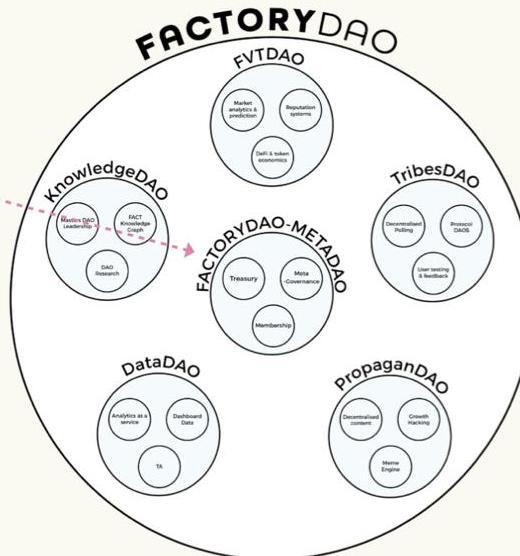
## THE STRUCTURE

The company, FACTORY LABS, becomes the market leading DAO infrastructure provider.

It scientifically optimises core web3 utilities around hardened battle tested, highly ossified smart contracts.

It develops a modular DAO protocol framework.

The company builds it, the DAO launches it, the DAO governs it.



We need to let companies be  
companies, and DAOs be DAOs

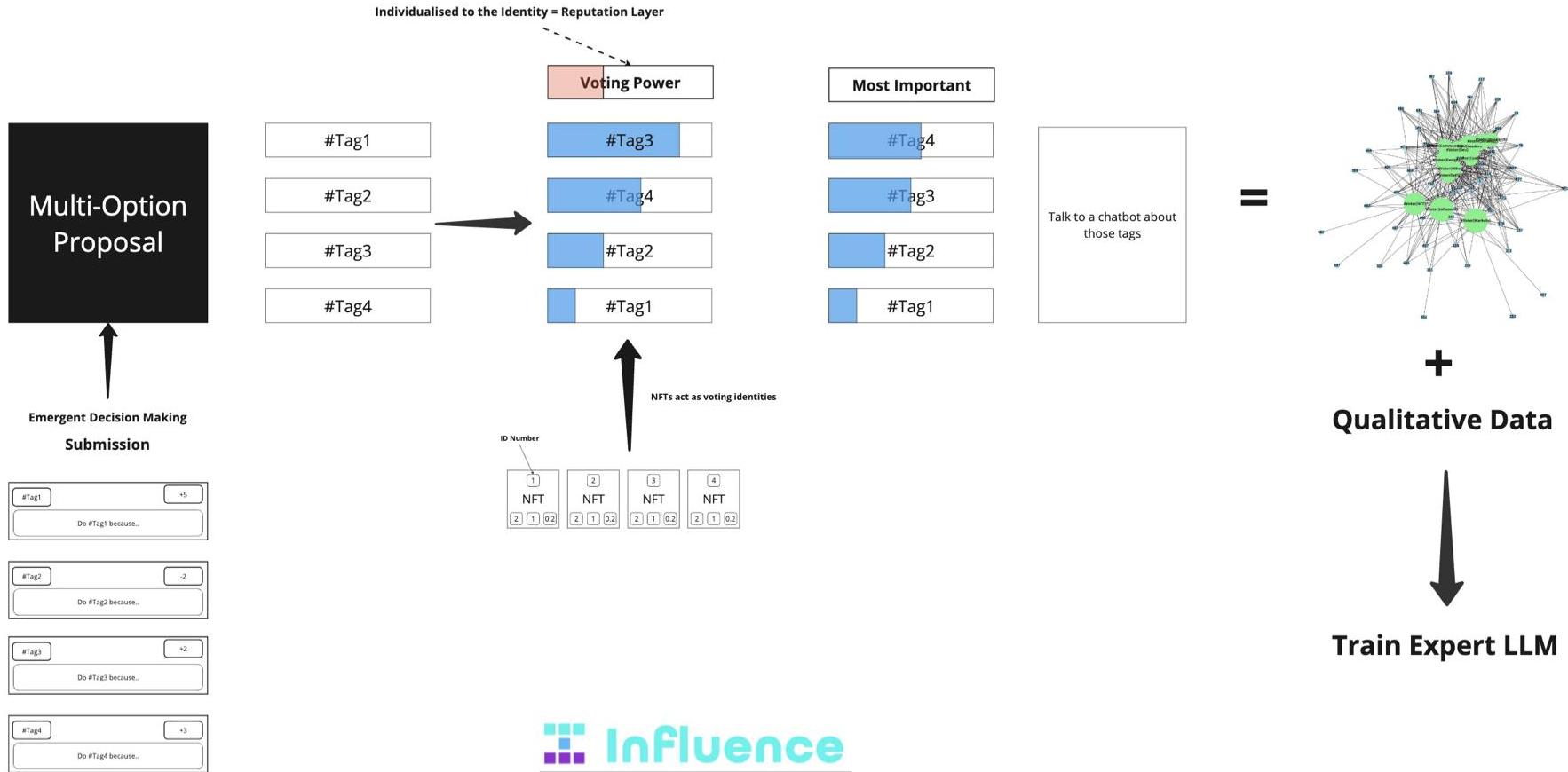
# Join FactoryDAO



**Knowledge is the most important  
commodity on the planet**

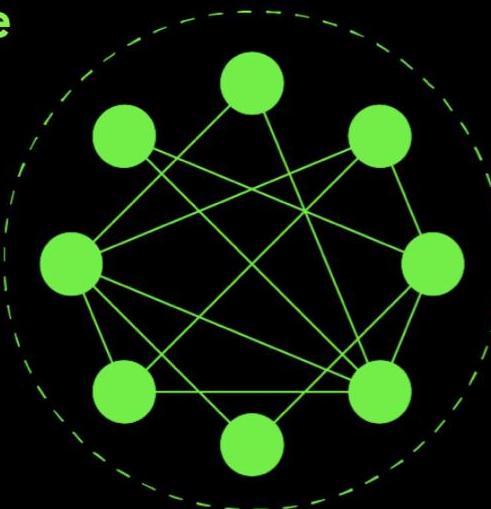
#FACT

# Semantic Ballot Voting



# It begins with..

A group of people  
with a shared  
interest

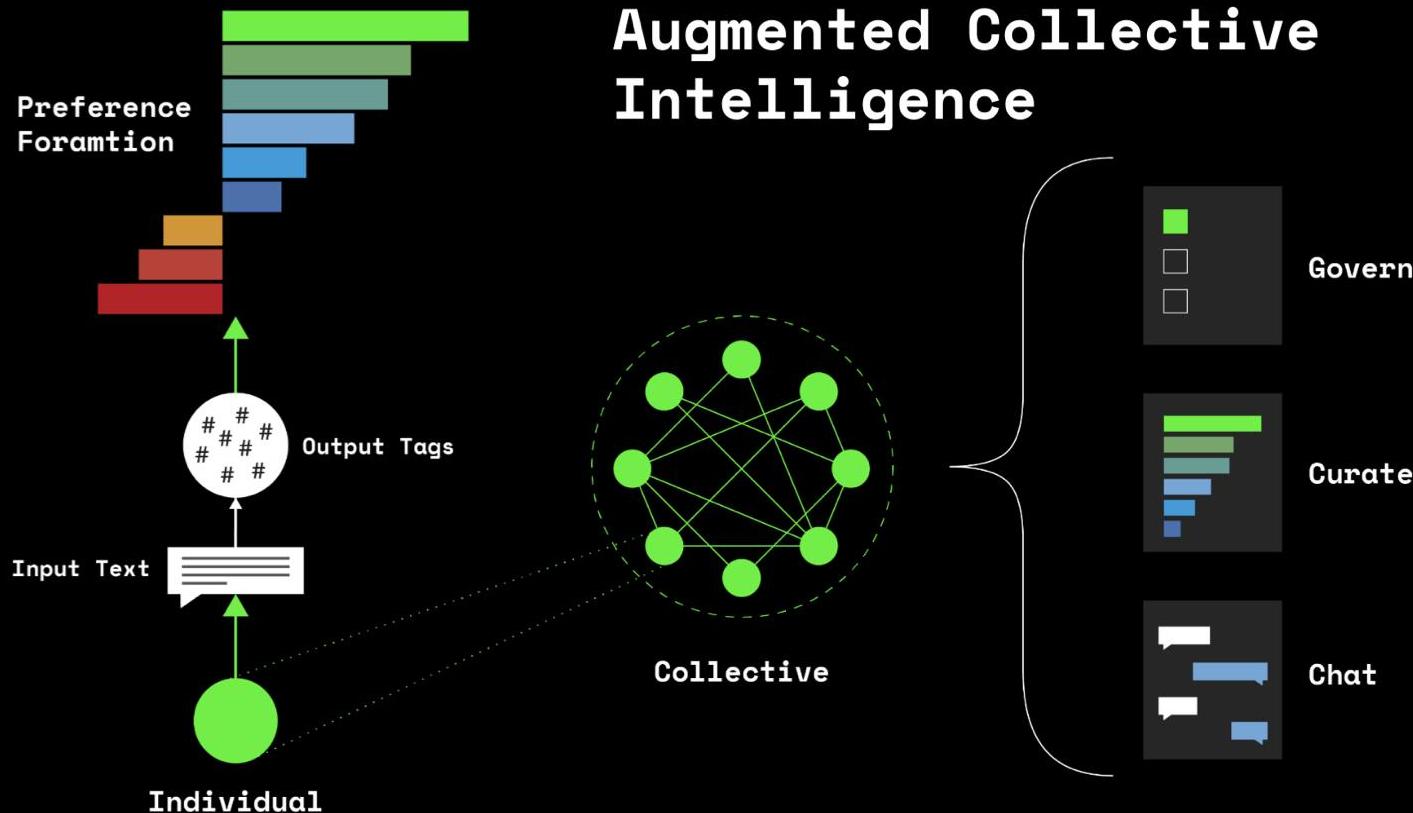


#TOPIC

- Token gated
- Sovereign and decentralised
- Social and consensus driven
- A community
- Equipped with the tools to govern an AI & each other

FACT

# Augmented Collective Intelligence



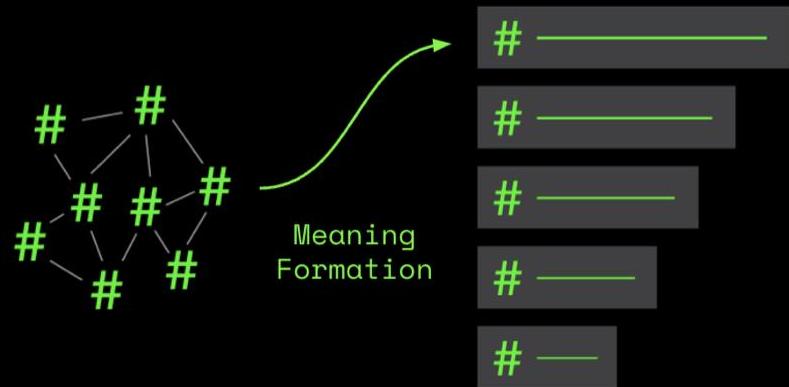
*think Web3 Reddit / Community Notes*

Block

# #FACT

## Semantic Governance

- A new kind of #namespace.
- Every semantic node represents a unit of meaning.
- Semantic governance is the networks way of carving out FOCUS and defining the scope of each group.
- Hybridising LLMs with neuro-symbolic approaches with RAG inference.





VOICE

# MAKE YOUR VOICE HEARD LONDON

#AFFORDABLE  
HOUSING

#PENSIONS

#SCHOOL  
DINNERS

#CULTURE

#RETRAINING

#ACCESS TO GP

FIND A CITIZENS ASSEMBLY NEAR YOU

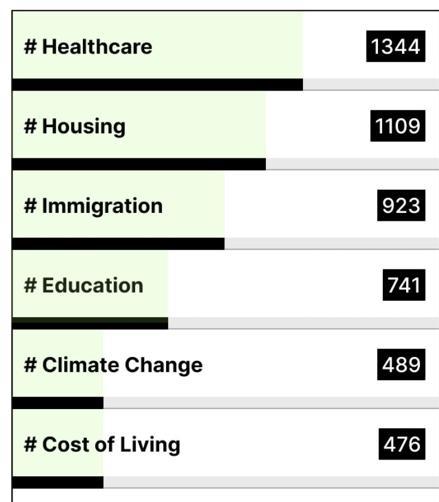


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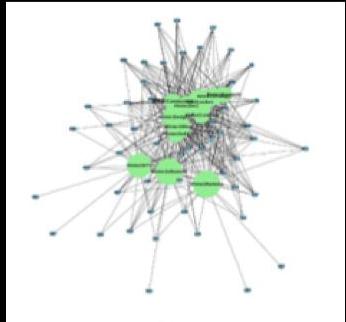
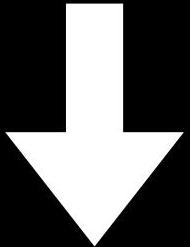
## What are the most important issues in London today?

Use your voice! Share your thoughts and ideas with the London VOICE community to have your say!

[MY VOTE](#)[OPINIONS](#)[RESULTS](#)

Total Votes: 1067  
Total Vote Credits: 9872  
Total Voter: 992

# #London



## A Semantic Hypergraph

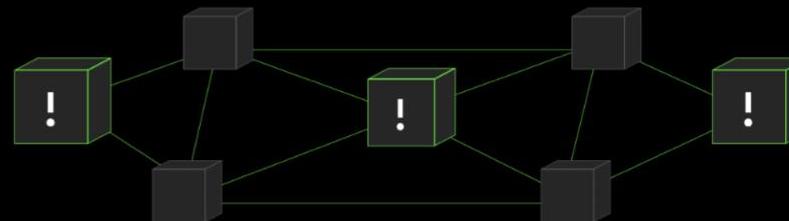
This kind of ontological engineering  
will allow us to make alignment legible

# An Evolutionary MetaDAO

**Metagovernance:** A tripartite system of Governors, Federation and the wider Network.

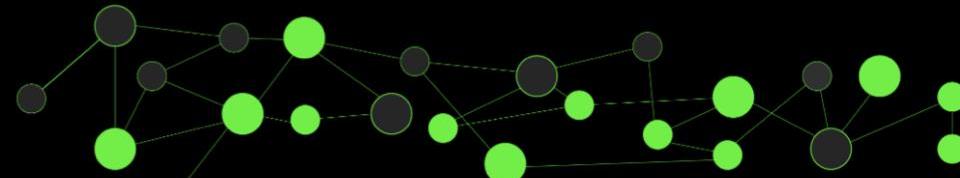


**A Federation of Intelligence:** Validators of the network and curators of the FACT graph.



**C<sup>3</sup>:**  
Compute  
Capital  
Coordination

**A Network of Experts:**  
User generated AI communities



# FACTually accurate generations

Input:  
How does Climate change  
affect immigration?



XXXXX XXXX **#Immigration** xx x  
**#HumanRights** xxx xxx xxx  
**#Governance** xx xxx xxxxx xxx  
xxxxxxxxx **#IndigenousRights** xxxx  
xxx **#Weather** xx xxx xxx xxxxxxxx  
**#Economy** xxx xxx xx **#HumanRights**

**Every concept can have a DAO,  
every DAO will have an agent**

A social network of AI powered  
DAOs

# How to coordinate an epistemic

- We need more mechanisms
- We need more innovation
- We need good token economies
- We need to leverage AI that we control and govern in our own sovereign DAOs.
- We need to build systems for planetary scale decision making



Thank You

@drnicka

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Section 1

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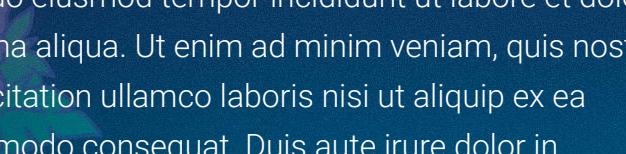
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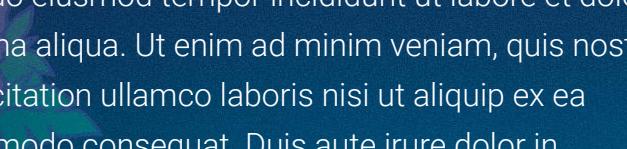
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Section 4

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## Event 1



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## Event 2



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## Event 3



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# 99.99%

“Number rules the universe.”  
— Pythagoras

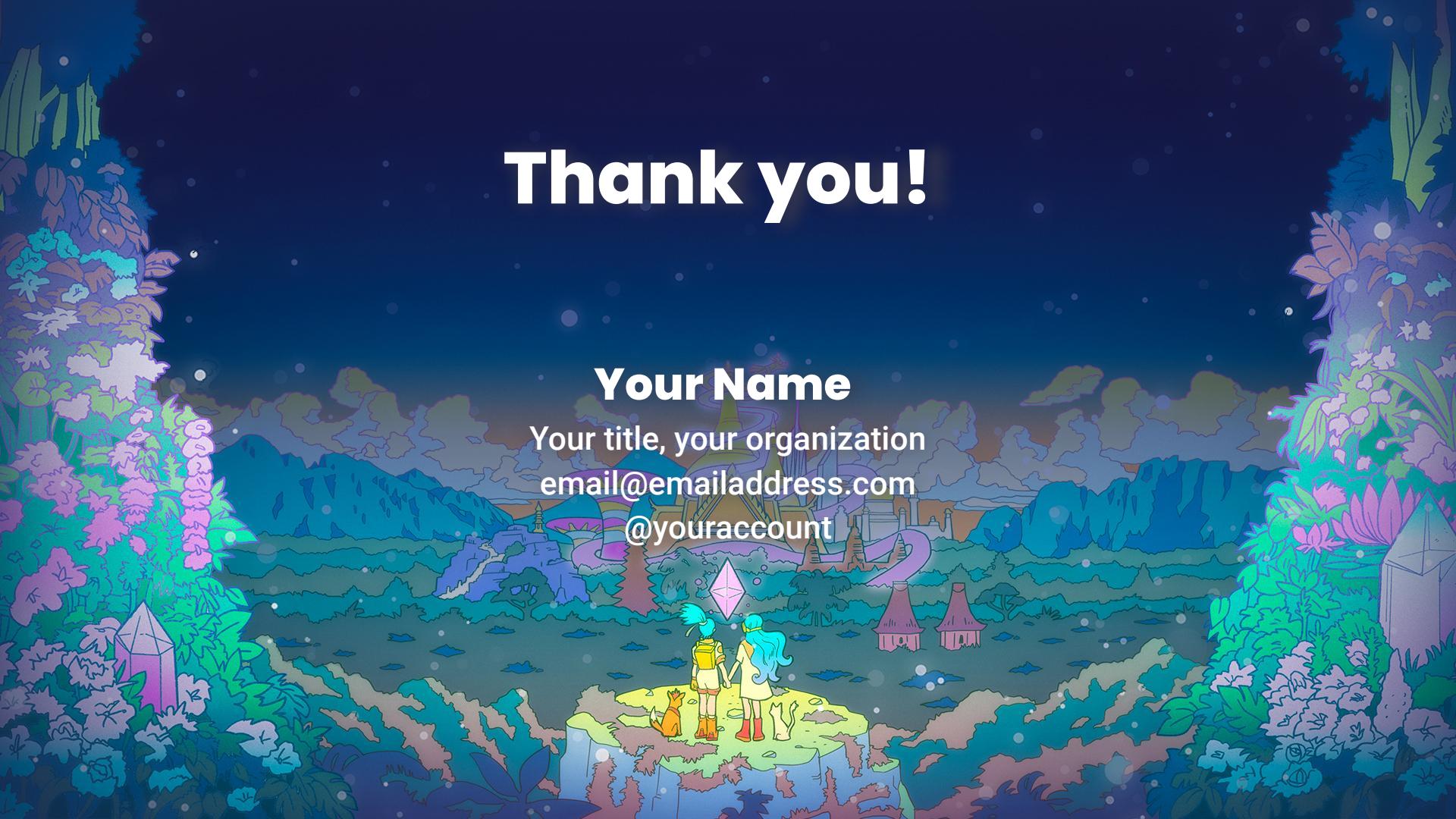
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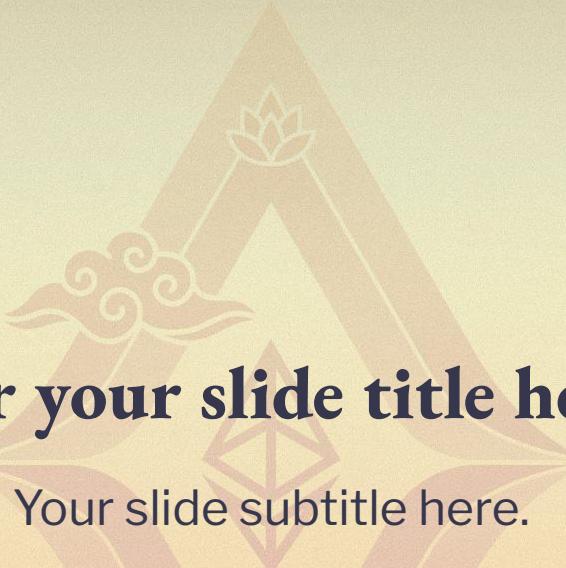
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Your title, your organization

[email@emailaddress.com](mailto:email@emailaddress.com)

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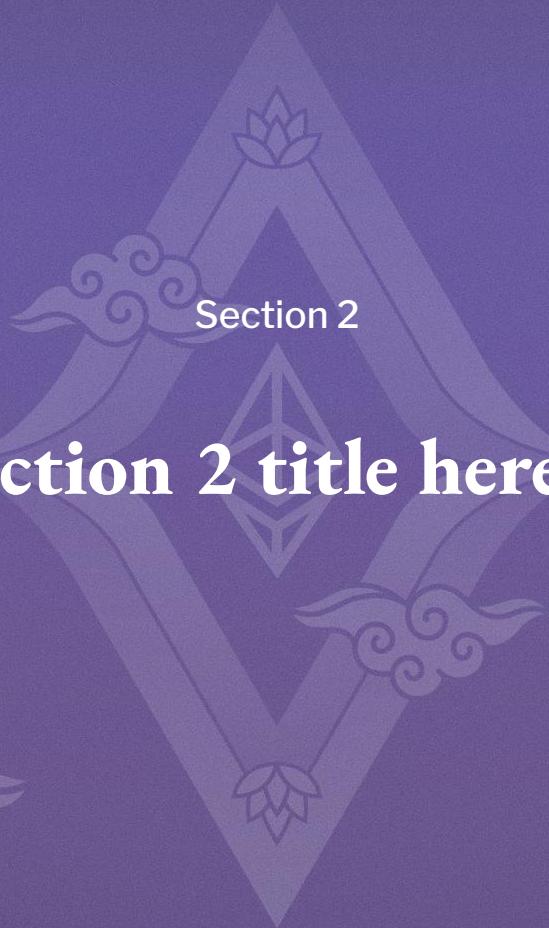
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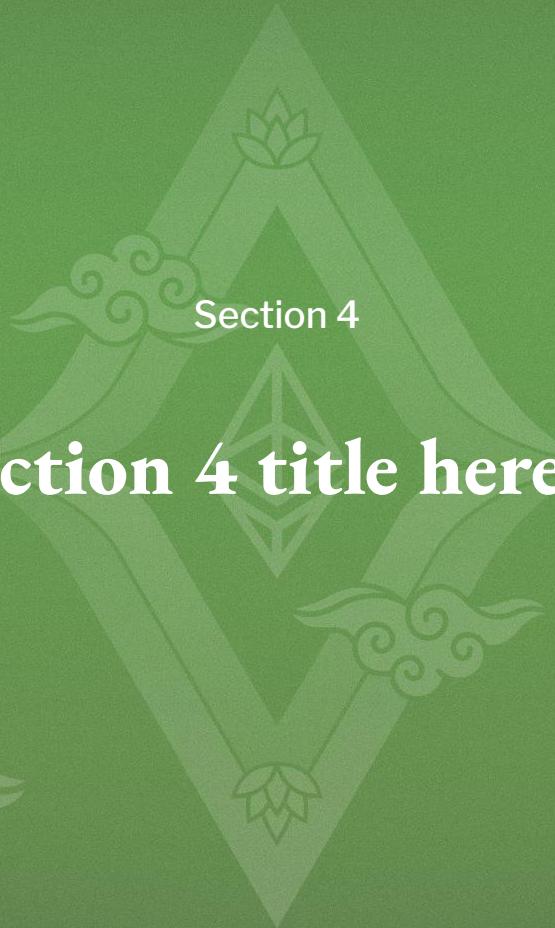
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## Event 2



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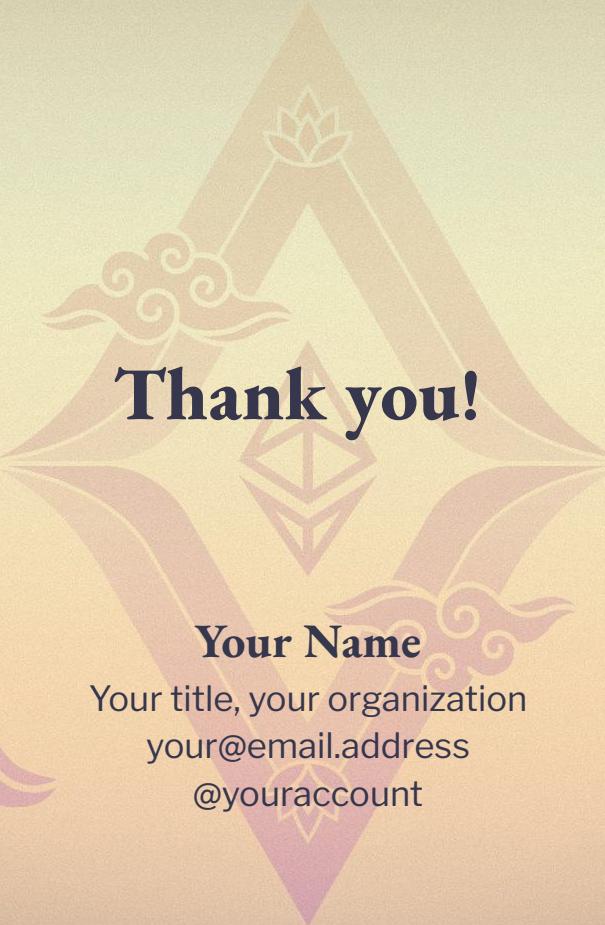


# 99.99%

“Number rules the universe.”

— Pythagoras





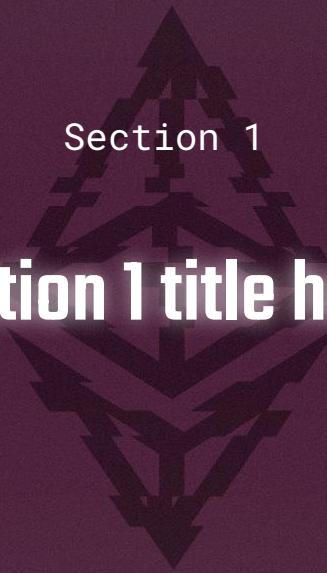


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Section 1

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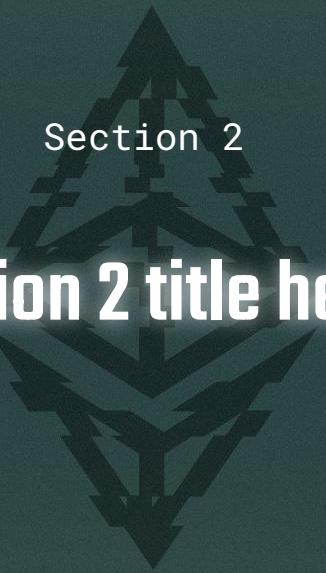
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**Enter your main point /  
statement here.**

# Section 1 details with a main point. Enter title here.

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Section 2

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## Section 2 title here.

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- Sollicitudin
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      - Magna
      - Ligula

## **Section 2 details with an image.**

**Enter title here.**

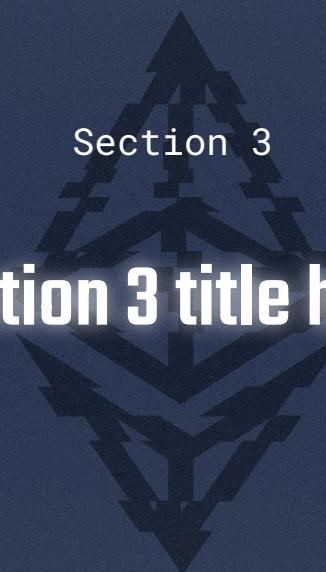
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**Enter your main point /  
statement here.**

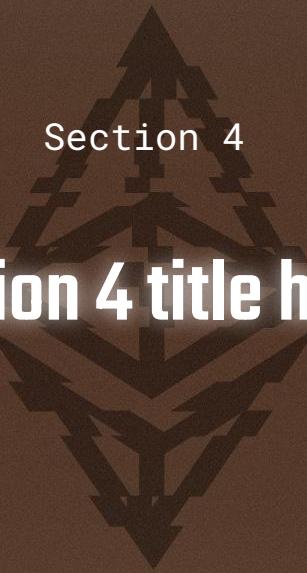


Section 3

**Section 3 title here.**

**Enter your main point /  
statement here.**

# Section 3 details with a main point. Enter title here.



Section 4

**Section 4 title here.**

## **Section 4 details with a main point. Enter title here.**

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**Enter your main point /  
statement here.**

**Enter your main point / statement here.**

# Here's the timeline.

Event 1



A horizontal timeline is shown with three circular markers. The first marker is pink and positioned under the text "Event 1". The second marker is blue and positioned under the text "Event 2". The third marker is brown and positioned under the text "Event 3". A thin horizontal line connects the markers.

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Event 2

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Event 3

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# 99.99%

“Number rules the universe.”  
– Pythagoras



Your Name

Your title, your organization  
your@email.address  
@youraccount