ethere.al

LIGHTPAPER

Fusion between traditional and decentralized finance.
Algorithmically enforced, human driven.

ethere.al
a decentralized cross-chain platform for minting synthetic hedges for real-world volatility events

The Project

Ethere.al is a first of its kind DeFi protocol that is tailored-made for institutions. While retail participation is allowed within our protocol, our emphasis is placed on innovations suited to TradFi.

We provide proprietary machine learning algorithms that are incorporated into over a dozen DeFi products. These institutional grade assets make Ethere.al the all-in-one platform for institutions or more experienced investors looking to diversify into DeFi - while still having access to tools they are familiar with in traditional financial settings.

With Ethere.al you now can trade synthetic economies, leveraged 10YR assets, hedged large cap tokens, create recession hedges, get exposure to a partner TradFi Hedge Fund, and more.

Beyond this, we are the first to offer Algorithmically Enforced Options which allow advanced spreads and combination expiries. DeFi VIX style exposure and Non-Traditional Hedges are also unique to our protocol to optimize trading opportunities and allow for incredibly diverse portfolios.

Furthermore, as our asset selection grows, more data becomes available to feed into our algorithms to continually rebalance our treasury investments and optimize our liquidity rates. This data also drives innovation on our platform to continually meet the needs of complex portfolios.

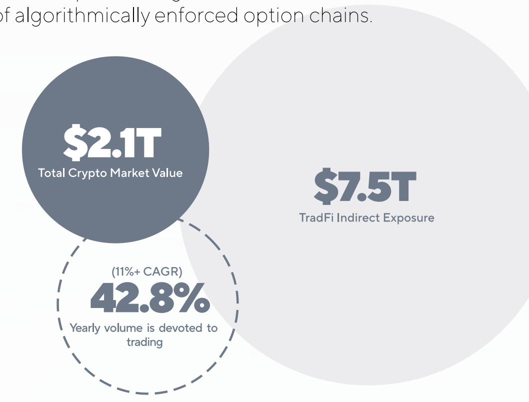
We take a traditional finance approach to DeFi, in order to bring stability and innovation to a growing space.

Our Objective

While crypto is gaining traction, there are still trillions of dollars left untapped in TradFi. It is estimated that there are over $7.5T invested in companies with direct or indirect exposure to crypto. It is our objective to capture this capital through innovative asset offerings found nowhere else and a full range of algorithmically enforced option chains.

In A Nutshell

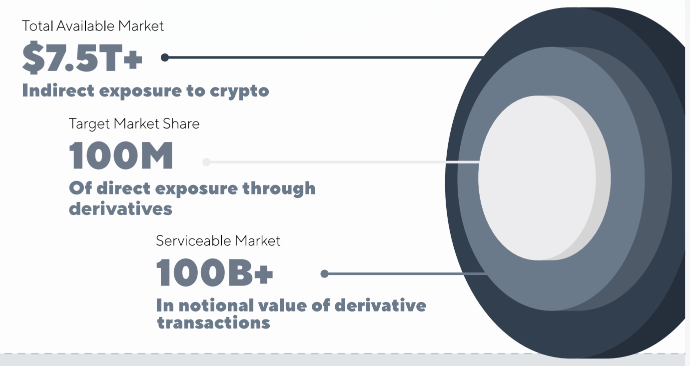
- DeFi TradFi bridge
- Algorithmic options
- Synthetic economies
- Leveraged 10YR assets
- Recession hedges
- Deep learning market sentiment tokenization



Token

Token name: Interchangeable Synthetic Asset
Token symbol: ISA
Token type: ERC-20
Total supply: 120,000,000

Market Size



What is ISA

The platform's semi-inflationary utility token, ISA, is used to mint all synthetic hedges within the protocol. During the mintage of any synthetic asset, ISA is 100% locked in the Treasury to earn additional yields at a rate congruent with the asset's price at the time of the mint.

It has a hard cap of 120m with an initial supply of 25m. Emissions stand at 5 ISA per block, equating to a 1.8-year timeline before reaching the max supply.

Upon depositing ISA into the auto-compounding contract, you will receive sISA which could be used as collateral in the future.

Asset Overview

All Assets Are Shortable Using Rho As Collateral

1. **RHO** Dynamic | fixed yield asset as well as the bridge to TradFi from DeFi. Used as collateral.
2. **MGMS** Mirrors total market sentiments as derived by over 1,000 separate data points.
3. **sEconomies** Tokenized GDP values for specific countries extrapolated over both generalized market and crypto moves.
4. **eBTC | eETH** Create a synthetic asset that inversely follows the price action of the underlying token with a click of a button
5. **Algo Enforced Options** Liquid chain of cash settled American Style options that can derive a functional chain algorithmically for any token with more than 6 weeks of data.
6. **usRP** Tokenized probability of a recession in the United States.
7. **eTY | eITY** Leveraged and inverse leveraged assets reflecting the US Ten Year Treasury Rate.
8. **ISA** The platform's semi inflationary token used to mint assets on ethere.al
9. **NTH** Hedges for real-world volatility events that are difficult to hedge using traditional financial assets.

* **...more to come**

Treasury | Predictive Optimization

At the core of any sustainable business model is a robust financial system. As such, we have utilized our experience in traditional finance paired with our experience in creating models to derive various optimization algorithms to ensure maximum return from both our Treasury and bond emittance.

Furthermore, we will be implementing a diverse set of asset classes that focus on lower volatility to ensure capital preservation during times of market uncertainty.

However, we will also take some risk asset positions - though hedged - to enable growth that will minimize long-term dilution to holders. Additionally, through our partnership with Veta Fund, we expect quarterly cash flow from traditional finance investments at a rate of 5% per annum.

BOND **TABLE**

Stable Assets	55%
MGMS | usRP | eTY	25%
eITY | eETH | eBTC	20%
sEconomies	10%

* balanced weekly

TREASURY **TABLE**

Risk Assets	25%
Stable Assets	60%
Add. TradFi Exposure	10%
Speculative Assets	5%

Bonds

Singular and Multi-asset Bond utilization is one of the core areas that will drive growth of the platform. Here, users can sell multiple liquidity pairs to the protocol and, in return, receive dynamically discounted platform tokens which vest ratably over a 7-14 day period chosen by the depositor.

50% of all emissions will be diverted to the bonding portion of the platform. These tokens will be distributed per the block rate — rather than minted during the purchase cycle. As such, inflation is partially mitigated because tokens will matched to TVL.

Bond delivery and asset class will be optimized using projected returns for said asset pairs. They will also be cross-weighted against current mint rates of each asset type and their specific volatility rating to build deeper and more efficient liquidity for the platform as a whole.

Future Roadmap

Additional Asset Mints

RHO | LARGE CAPS | ECONOMIES

We are looking into creating additional asset types that further increase the capabilities of portfolios built using ethere.al. New large cap derivative products are under review, along with additional sEconomies, and additional volatility trading tools. Furthermore, we are examining areas to insure physical assets through our platform using NFTs which will allow for yield generation on off-chain assets.

Deep Option Liquidity

OPTION OPTIMIZATION

We will be the first to bring to market a fully functional algorithmic option chain. We will also be the first to allow for on demand chain generation. While initially we are optimizing peer-to-peer liquidity, we are developing multi-reinforced "oceans" that will cycle liquidity through a portion of the treasury to allow for one sided fills - which will be another first of its kind. This basket type asset pool will allow for sustainable option chain growth - even for traditionally lower liquidity tokens.

Tokenized Algorithms

NEW ASSET CLASS TYPE

We have created a diverse portfolio of deeply trained algorithms that are at the core of our platform. We are researching the introduction of a designated hub which opens up these systems to token holders where they can run their own simulations, extrapolations, and forecasts to build and optimize their portfolio. This will allow for broader optimization across the entire ecosystem which will lead to more volume as well as another source of revenue for platform.