

Overview

MetricsDAO seeks to develop metrics that cater to the fundamental requirements of the Eco Community and Trustee Group during the protocol's early months. The Metrics are designed to fulfill the essential visualization and monitoring needs that the Community and Trustees must have in order to react to, and implement monetary policy, respectively.

Metric Requirements

Total Circulating Supply Graph for \$ECO

This query shows the total circulating supply of \$ECO over time. This only includes tokens that are not locked up. Therefore the Circulating supply should exclude the following addresses::

- [0x8c02d4cc62f79aceb652321a9f8988c0f6e71e68](#) (Community Treasury)
- [0x98830c37aa6abdaee028bea5c587852c569092d71](#) (Association)
- [0xa201d3c815ac9d4d8830fb3de2b490b5b0069aca](#) (Eco Inc.)
- [0x99f98ea4a883db4692fa317070f4ad2dc94b05ce](#) (Association)

The dashboard should be able to show this metric over time. Additionally, preference will be given to submissions that can provide the most optionality in timescales.

Transfer Volume per day

This should show the transfer volume per day over time. The transfer volume should be able to be displayed in \$ECO, \$ECOx and \$USD. The dashboard should be able to show the metrics over time. Additionally, preference will be given to submissions that can provide the most optionality in timescales.

Market Capitalization for both \$ECOx and \$ECO

This should show the market cap of \$ECOx and \$ECO over time, based on circulating supply. The price needs to be fetched from the uni pools for \$ECOx and \$ECO. The dashboard should be able to show the metrics over time. Additionally, preference will be given to submissions that can provide the most optionality in timescales.



Fiat Trading Pairs

This section should present \$ECO against systemically important trading pairs in the fiat and crypto world. A list of the most preferred pairs is below.

Crypto pairs

- ECO vs ETH
- ECO vs BTC

Fiat pairs

- ECO vs USDC

The dashboard should be able to show the above metrics over time. Additionally, preference will be given to submissions that can provide the most optionality in timescales. The dashboard should also use [VWAP](#) where possible. The winning submission will have as many of these pairs as possible and include the rationale from where the fiat price was derived from. For ECO/BTC an aggregated price of the most liquid ETH/BTC pool can be used but is not a critical requirement that this is the path chosen to get the ECO/BTC pair price. Submissions will be assessed on their rationale for which price feeds were used and why.

Liquidity throughout Defi:

This should show the breakdown of how much ECO is in various DeFi protocols. Right now, that is only Uniswap. The Uniswap data should show total trading by day and the depth of liquidity.

The dashboard should be able to show the metric over time. Additionally, preference will be given to submissions that can provide the most optionality in timescales.

Volume on CEXes

The dashboard should indicate the total amount of volume on all major exchanges for ECOx. The dashboard should be able to show the metric over time. Additionally, preference will be given to submissions that can provide the most optionality in timescales.

Percentage of ECO that is locked up

This section should show the percentage of ECO outstanding over time that is locked up in non-circulating locations over a few timescales such as:

- [0x8c02d4cc62f79aceb652321a9f8988c0f6e71e68](#) (Community Treasury)
- [0x98830c37aa6abda028bea5c587852c569092d71](#) (Association)
- [0xa201d3c815ac9d4d8830fb3de2b490b5b0069aca](#) (Eco Inc.)
- [0x99f98ea4a883db4692fa317070f4ad2dc94b05ce](#) (Association)



The dashboard should be able to show the metric over time. Additionally, preference will be given to submissions that can provide the most optionality in timescales.

ECO in Lockups

This section displays details about the ECO funds lockup. The desired metrics are:

- Interest rate and lockup duration each generation
- Total amount of ECO that entered each lockup each generation
- The number of lockups entered in each generation, along with a table of each individual lockup.
- Total amount of early withdrawals per generation
- Total amount of ECO coming unlocked at different points in time
- ECO by lockup maturation visualization. This is a debt and supply tracking metric. A visualization that makes it easy for trustees to track how much ECO is in lockups, at what interest rates, and when that ECO is coming to maturity

The dashboard should be able to show the metric over time. Additionally, preference will be given to submissions that can provide the most optionality in timescales.

Random Inflation Claims

This section tracks the Random Inflation monetary lever. The desired metrics for this section are:

- Random inflation percentage each generation
- Random inflation claim # per generation (how many random inflation tickets have been claimed)
- Total amount of random inflation claimed per day
- Total amount of random inflation that is unclaimed

The dashboard should be able to show the metric over time. Additionally, preference will be given to submissions that can provide the most optionality in timescales.

Linear Rebase

This section tracks the linear inflation monetary lever. The desired metrics for this section are:

- Linear rebases over time
- Linear rebase percentage superimposed on price against USD
- Linear rebase percentage superimposed on price against ETH

The dashboard should be able to show the metric over time. Additionally, preference will be given to submissions that can provide the most optionality in timescales.



Policy Making Data

This section of the dashboard should show historical monetary policy, probably as a table, for all generations. This is a summary of the data above, but the selected values for the following things should be charted:

- Linear Rebase Percentage
- Random Inflation %
- Random Inflation Tickets
- Lockup %
- Lockup Duration

The purpose of this section is to make it easy for all parties to see a timeseries of monetary policy decisions

This should also include a breakdown of the votes each Trustee (by address) got, and how their proposals were ranked for all generations.

Other

- Total ECO emissions (smoothed by month)
- Total ECO emissions (smoothed by generation)
- Total Holding Wallets (over time)
- Total Transacting Wallets (over time)

The dashboard should be able to show the metric over time. Additionally, preference will be given to submissions that can provide the most optionality in timescales.

Velocity

- Time series of velocity (transfers over time)
- The dashboard should attempt to show velocity buckets. The buckets should be:
 - P2P Transfers
 - Exchange Deposits and Withdrawals
 - Smart Contract Interactions

The dashboard should be able to show the metric over time. Additionally, preference will be given to submissions that can provide the most optionality in timescales.

Graphs of Coin Age

- Histogram of coin by how long they've been sitting (how long they remain untransferred)



- Coin age lost (volume multiplied by days sitting)

The dashboard should be able to show the metric over time. Additionally, preference will be given to submissions that can provide the most optionality in timescales.