



odinprotocol.io



## TOKENOMICS PAPER

Developed by



[geodb.com](https://geodb.com)

## **Odin Protocol Tokenomics Paper V1.1**

Open Data Interoperable Network

[odinprotocol.io](https://odinprotocol.io)

# LEGAL DISCLAIMER

## READ CAREFULLY

**PLEASE READ THIS ENTIRE SECTION AND DO NOT TAKE ANY ACTIONS UNTIL YOU FINISH IT. THIS WHITE PAPER IS A SUMMARY OF ODIN'S BUSINESS MODEL, TECHNOLOGY, AND BRIEF INTRODUCTION TO ODIN'S BUSINESS PRINCIPLES. IF YOU ARE IN ANY DOUBT AS TO THE ACTIONS YOU SHOULD ACQUIRE GEODB'S TOKENS, YOU SHOULD CONSULT YOUR LEGAL, FINANCIAL, TAX OR OTHER PROFESSIONAL ADVISOR(S) AND IMMEDIATELY NAVIGATE AWAY FROM ODIN'S WEBSITE AND DO NOT BECOME ODIN'S TOKEN HOLDER.**

This presentation and the information provided on this presentation to readers has been issued by GeoDB Foundation Ltd. ("ODIN"). It has been prepared solely for informational purposes and should not be construed as an offer to buy or sell or a solicitation of an offer to buy or sell any security or instrument or any asset or to participate in any transaction or trading activity. The contents are based upon or derived from information generally believed to be reliable although no representation is made that it is accurate or complete and ODIN accepts no liability with regard to the reader's reliance on it. The information contained herein is a summary of any transaction described and is incomplete and provided for the convenience of the reader and is subject to change without notice. This presentation and the information contained herein is not intended to be a source of advice or credit analysis with respect to the material presented, and the information does not constitute investment advice. Accordingly, any decision in connection with funds, instruments or transactions described or mentioned herein must be made solely on the information contained in a prospectus and no reliance is to be placed on any other representations.

The information provided on this presentation regarding services offered by GeoDB Foundation Limited is not directed to any United States person or any person in the United States, any state thereof, or any of its territories or possessions. Any type of asset or securities described herein will not be registered under the Securities Act of 1933, as amended (the "Securities Act"), and may not be offered or sold in the United States or to US persons unless the securities are registered under the Securities Act, or an exemption from the registration requirements of the Securities Act is available. ODIN is not a fiduciary and the user should consult with such advisers as they deem necessary to assist them in making any investment decisions.

Information displayed on this presentation contains material that may be interpreted by the relevant authorities in the country in which you are viewing this document as a financial promotion or an offer to purchase or sell any asset or securities. Accordingly, the information on this presentation is only intended to be viewed by persons who fall outside the scope of any law that seeks to regulate financial promotions in the country of your residence or in the country in which the document is being viewed. If you are uncertain about your position under the laws of the country in which the document is being viewed then you should seek clarification by obtaining legal advice from a lawyer practicing in the country of your residence or in the country in which the document is being viewed before accessing this presentation.

Certain assumptions may have been made in the contents of the registered area of this presentation to produce the results presented with the effect that changes to the assumptions may have a material impact on any returns or valuations detailed. Prices in any documentation presented are subject to change without notice and no representation is made that any returns or valuations indicated or mentioned would be achieved. The transaction documents (offering circulars, investment management agreements, etc.) override any statement, claim or information in this material.

Any reproduction of this presentation, in whole or in part, is prohibited. The recipient of this document may not release this material to any other person, except to their advisors and professionals who will be assisting them in evaluating such assets or securities or funds and for no other purpose and agrees not to divulge any such information to any other party. You are not permitted to publish, transmit, or otherwise reproduce this presentation or information from this presentation, in whole or in part, in any format without the express written consent of ODIN. In addition, you are not permitted to alter, obscure, or remove any copyright, trademark or any other notices that are provided to you in connection with the information.

This presentation and its content is not for distribution to retail clients, as that term is defined under the Markets in Financial Instruments Directive (2004/39/EC); and any assets or investments, including derivatives (if any), mentioned in this material will not be made available by the user to any such retail customer.

Additional information on ODIN is available upon request.

**GeoDB Foundation Ltd.  
Odin Protocol  
Open Data Interoperable Network**

**Tokenomics Paper Version 1.1  
Contact: [hello@odinprotocol.io](mailto:hello@odinprotocol.io)  
Web: <https://odinprotocol.io>  
Updated on the 26th of February 2021**

## Contents:

<b>1. Background and Goals</b>	<b>3</b>
<b>2. Binary Token System</b>	<b>3</b>
2.1. ODIN Data Providers Token	3
2.2. ODIN Data Consumers and System Governance Token	4
<b>3. Flow of Assets</b>	<b>5</b>
<b>4. Governance</b>	<b>6</b>
4.1. Governance Flows	7

# 1. Background and Goals

Following the ODIN mission of being a reliable bridge between Data producers and Data consumers the goals of tokens used in the system are:

- to be means of payment for data
- to secure data reliability and consensus for the whole network
- to provide governance with the principles of Decentralised Autonomous Organization

Binary token system to be implemented for the ODIN project. First ODIN token should secure the network, to be a means of payment for Data consumers and take part in System Governance. The second GEO token will be the means of payment for Data providers.

## 2. Binary Token System

### 2.1. ODIN Data Providers Token

GEO is a token used as a means of payment to data providers. Inflationary token which is rather easily obtained by data providers and data producers. After accounting the data providers can charge it to data producers (end users who have installed applications and are engaged in the production and transfer of data). Key features:

- Key distribution mechanism - distribution to data providers and purchase on the market.
- Majority of tokens are in the hands of data providers and producers.
- Do not take part in System Governance.

GEO overall supply is capped at 1 000 000 000 tokens including:

- Data providers rewards - 70% tokens;
- GEO's investors token sale - 25% tokens;
- Company & Founding team - 5% tokens.

Auction mechanism to be used to buy out a certain amount of GEO for ODIN token if the data is paid and consumed in the system. For example, if Data consumers paid for data from oracle's equivalent of 800 USD, GEO tokens were bought out via an auction mechanism for the 800 USD equivalent. The threshold

for auction is set by Governance and changed to the higher or lower amount as soon as the required decision is voted and approved by System Governance.

700 000 000 GEO tokens to be distributed among data providers for about 10 years with an average rate of 200 000 per day. Number of GEO tokens issued to data providers at any given time during first 10 years since project launch should be equal or less than:  $200\,000 * \text{number of days since project launch}$ . If at any given moment in the future the number of GEO tokens due to be issued exceeds the above calculated value the price for data nominated in GEO will be decreased proportionately to fit in 200 000 GEO tokens per day cap. Hard per day GEO issuance cap could be updated and changed via System Governance vote.

Since ODIN launches GEO to ODIN swap is available for GEO holders with initial conversion rate of 1 ODIN for 10 GEO ratio and 24 months vesting period. During this period staking to validator nodes only is available. Further ODIN token distribution (swap) events and their conditions will further be announced in the official communication channels of ODIN.

## **2.2. ODIN Data Consumers and System Governance Token**

Token used as a means of payment for data received from the system. The number of tokens is limited and initially they are issued in the ODIN treasury. Tokens can be purchased by consumers of data. The token is also used for staking and paying fees and rewards for validators. Key features:

- Key distribution mechanism - buy on the market.
- Majority of tokens initially are in the hands of the ODIN Treasury.
- Take part in System Governance (proposals and voting).

ODIN will use ODIN native token for its own network which uses ODIN tokens as an incentive for validators to produce new blocks and submit responses to data requests. ODIN holders can use the tokens in the following ways:

- to pay for data received from the network;
- to use the tokens they own to become validators;
- to delegate their tokens to validator (delegate) to earn a portion of the collected fees and inflationary rewards;
- to participate in network governance.

The total supply of ODIN is capped at 100 million tokens with the following distribution:

- Data consumers pool - 10%;



- Staking rewards - 30%;
- Company & Founding team - 10%;
- ODIN Treasury - 50% (ODIN tokens allocated to ODIN Treasury are not taking part in System Governance)

All ODIN tokens will be issued with the genesis block and allocated to specific pools with further gradual distribution to validators and stakers over time.

Annual inflation rate for validators staking is set to around 12% APR.

Governance voting with ODIN tokens includes all major decisions regarding functioning of the system:

- Fees and data prices set by the protocol and system governance;
- Changes to system parameters and data oracles;
- Using part of the generated value from data transactions that corresponds to ODIN token holders, to build a portfolio managed under the governance token holders community.

### 3. Flow of Assets

ODIN Treasury is a key financial tool for managing projects and achieving its financial success via the community System Governance model. In the early stages of project implementation when Data oracles are not decentralized it is ODIN Treasury which collects payments from Data consumers for data obtained from ODIN projects own oracles. Key ODIN Treasury functions:

- Selling ODIN token to the market participants (Data consumers, Stakers, Validators, Investors) and keeping received payments in the form of native crypto assets (BTC, ETH, DAI) and tokenized USD
- 80% of collected funds received from selling ODIN token to be used to buy out GEO token via auction mechanism every time as soon as 800 USD threshold is achieved, acquired GEO tokens will be allocated to recycling pool for future use as a means of payment to data providers
- 20% of collected funds are subject to invest in DeFi space with investment decisions offered and approved by System Governance

All above values of 80/20 funds allocation and 1000 USD buy out threshold are subject to change via System Governance voting mechanism.

It is prohibited for ODIN Treasury to invest collected GEO tokens in any form (put in liquidity pools, use as a collateral to get other crypto assets, etc.). The ODIN

Treasury function here is to sterilize GEO tokens from the market which leads to higher price for this asset.

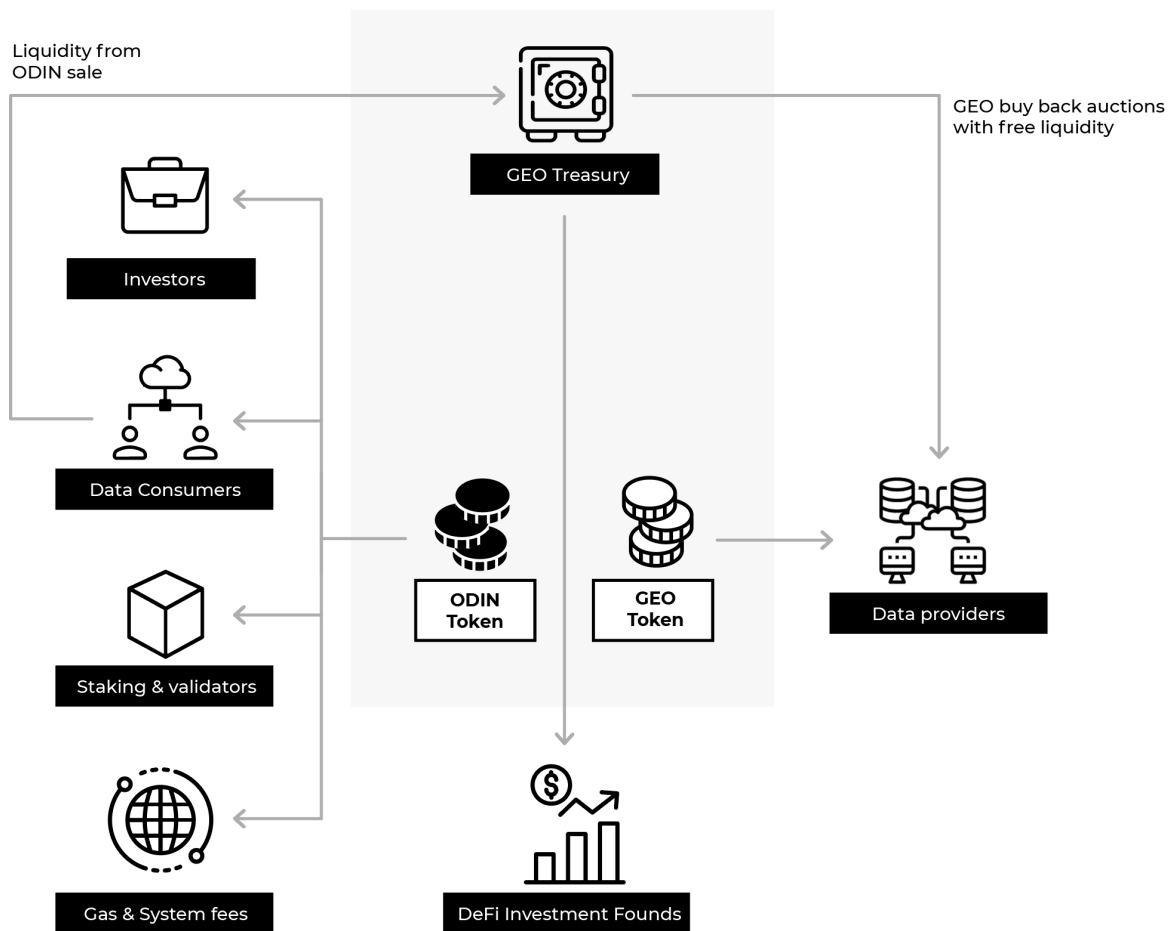


Figure 1 - Flow of assets

ODIN and GEO tokens have fixed supply of 100 mln and 1 billions tokens accordingly. New tokens are not issued and not burned. Mechanism for absorbing and adding liquidity to the system is ODIN Treasury managed by System Governance

## 4. Governance

Motivation for an ODIN decentralized governance system is to provide an architecture where the ultimate goal is the protocol's benefit above interests from specific individual stakeholders.

A multilevel governance system provides a context where stakeholders (data providers, data consumers, investors, token holders, project team, validators and stakers) are “forced” to operate under commonly agreed frameworks regulating both higher level policies as well as oracle evolution policies.

ODIN System Governance will be a two tiered system where proposals are discussed in offchain forums and ratified/voted through on chain GGIP (ODIN Governance Improvement Proposals). Staked ODIN tokens will also be able to vote on GGIPs. This system allows for extensive discussions on proposed improvements before they’re pushed on chain for voting.

Improvement proposals should be of two different kinds:

- Protocol Policies; where general rules dealing with token use and distribution, major crypto economic modifications and incentive systems.
- Oracle Policies; Defining requirements and context for staking, penalties and all decisions dealing with the structure of the decentralized oracle network.

#### 4.1. Governance Flows

Given an initial proposed framework for policies protocol and oracle policies as flushed out by ODIN creators (The Genesis Framework), these frameworks should be evolved and fine tuned by System Governance. In order to foster participation and mitigate potential voter’s apathy, participation in governance decisions should be incentivized.

ODIN’s System Governance architecture is based on the aforementioned off chain community based forums, from where community voted proposals are submitted to the Genesis Team (Define who they are). The Genesis Team will then push proposals to on chain voting by ODIN token holders. After a certain transition period, Genesis Team will migrate from the original Genesis Team to a token holder voted one.

Only ODIN token holders will be allowed to vote. The only requirement will be to have a wallet holding tokens for the period during which proposals are voted.

In order to be approved, proposals must reach a certain quorum during a pre-stated time period.

Bearing the above in mind, the proposal flow is as follows:

1. The Community creates a GGIP,

2. Community evaluates and discusses the proposal, GGIP is polished according to received feedback,
3. Community signals to implement such proposal,
4. Genesis Team implements the proposal and submits it to the governance system,
5. Proposal is voted by token holders and is approved or rejected.