

# Ocean Progress Report for Ocean Ecosystem

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Oct 6, 2021



ocean

These slides are at  
<http://trent.st/content/ocean-oct2021.pdf>

[oceanprotocol.com](http://oceanprotocol.com)  
[@trentmc0](https://twitter.com/trentmc0)

# Outline

- Top-Level Overview
- Teams 1: OPF Core
- Teams 2: Third-Party Markets
- Teams 3: Product Contracts to OPF
- Teams 4: OceanDAO Teams
- Looking Forward



# Top-Level Overview

# Ocean Mission: open up data, while maintaining privacy

Towards self-sovereign data for individuals and groups.

Opaque, Power  
Concentrated

Transparent,  
Permissionless

**DATA**

Shadow Data  
Economy  
FB, GOOG



Open Data  
Economy  
**Ocean**



*Data is a \$400B industry  
in Europe alone*

*How: on-ramp data into crypto  
wallets, exchanges, DAOs, ..*

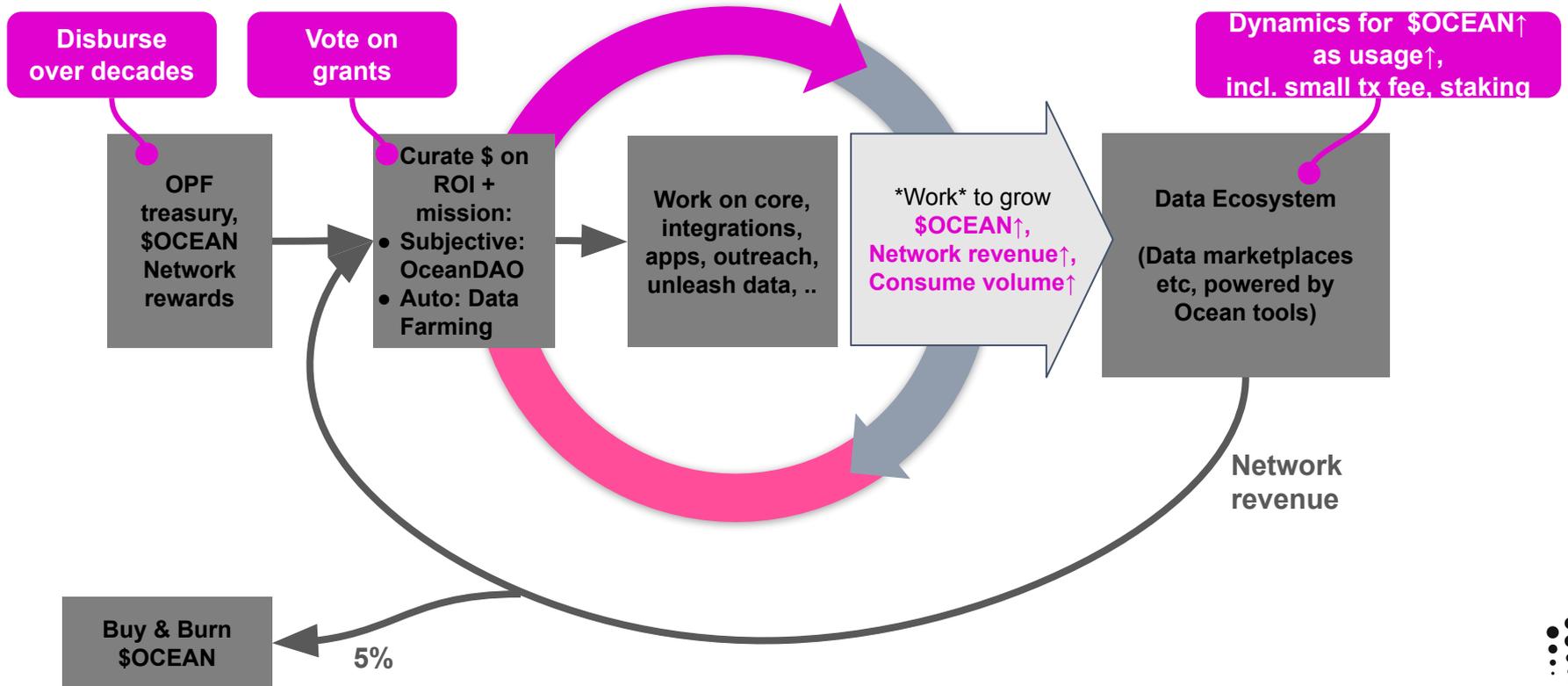
# What is Ocean?

Ocean is...

1. **A community / ecosystem** of individuals and orgs driving to the mission  
(initiated by Ocean Protocol Foundation)
2. **A set of tools** as public infrastructure to facilitate the mission
3. **A token** (OCEAN) with incentives to grow & sustain the ecosystem

# Ocean Web3 Sustainability Loop

[blog.oceanprotocol.com/the-web3-sustainability-loop-b2a4097a36e](https://blog.oceanprotocol.com/the-web3-sustainability-loop-b2a4097a36e)



# KPIs & Traction Pillars

## Main KPIs:

- **Drive \$OCEAN** -- leads to a healthy ecosystem
- **Drive network revenue** -- actionable metric
- **Drive consume volume** -- actionable metric + focus on value creation

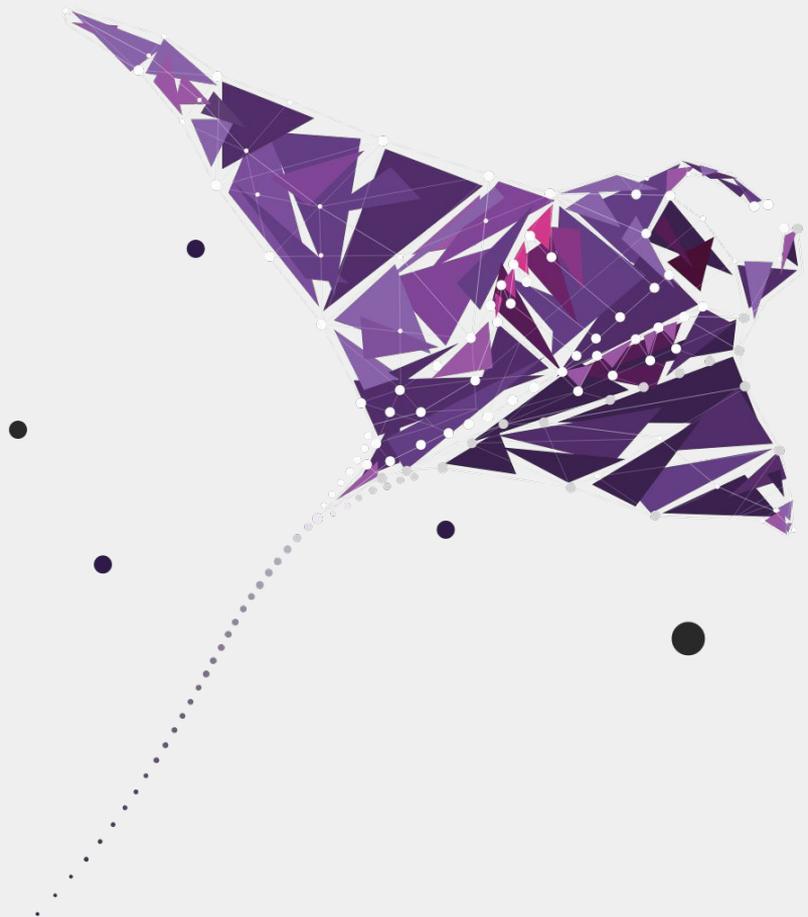
## Traction Pillars

- **Bottom-up:** Ocean Market users; developers; startups
- **Top-down:** enterprises, consortia
- **DeFi “jugular”**

# Teams in Ocean ecosystem

1. OPF core team
2. 3rd Party Markets
3. OPF Product Contracts
4. OceanDAO teams

Let's review progress of each...



# Teams 1: OPF Core

# 3 Core Products

**Ocean Core Product (BE + Market) → Main Ocean USP**

**OceanDAO → Grow ecosystem, decentralize, long-term sustainability**

**Ocean Data Farming → “Fill the Ocean”, drive traction**

# Top-Level Goals 2020, 2021

## 2020: build Ocean “backbone”

- Ship V2: Compute-to-Data
- Ship V3: Datatokens + AMMs + Ocean Market
- Ship OceanDAO
- Bottom-up: improve Ocean Market & BE

## 2021: drive traction via “meat on backbone”

- Bottom-up: improve Ocean Market & BE
- Top-down: improve via enterprises, Gaia-X, ..
- Ship Polygon: fix high tx fees
- Scale OceanDAO
- Ship V4 & Data Farming: consume incentives & solve rug pulls

# OPF core highlight: C2D In Ocean Market

[blog.oceanprotocol.com/compute-to-data-is-now-available-in-ocean-market-58868be52ef7](https://blog.oceanprotocol.com/compute-to-data-is-now-available-in-ocean-market-58868be52ef7)

market.oceanprotocol.com/publish

Ocean Market PUBLISH PROFILE

## Publish

Highlight the important features of your data set or algorithm to make it more discoverable and catch the interest of data consumers.

Given the beta status, publishing on Ropsten or Rinkeby first is strongly recommended. Please familiarize yourself with [the market](#), [the risks](#), and [Terms of Use](#).

DATA SET ALGORITHM

### Publish an Algorithm

Title\*

e.g. Shapes of Desert Plants

Enter a concise title.

## Random Forest Classifier v1.0

Polygon

ALGORITHM | Friable Nautilus Token – FRINAU-65

Published By [OxAcca\\_1f83](#)  
28 days ago

Random forest is a supervised algorithm. Random forest builds multiple decision trees and merges them together to get a more accurate and stable prediction.

random-forest classifier

DATA AUTHOR: Raven Protocol & Ocean Protocol

OWNER: [OxAcca\\_1f83](#)

DOCKER IMAGE: oceanprotocol/algo\_dockers:python-panda

DID: d1d:op:e64810f2A54358198026cEaC2F38545F65D672f0

Ocean Market PUBLISH PROFILE

## 31 results

DATA SETS ALGORITHMS DOWNLOAD COMPUTE Clear

Sort Relevance Published

- AEAMD Apply pandas filter
- SPASHA-36 Logistic Regression v1.0
- FRINAU-65 Random Forest Regressor v1.0

## Job finished

Daily Fishing Effort (01.01.2020)

ARTRAV-68 | did:op:2f633467aD3e6d59c5235546752c4082F10672EF

Count data points (fixed price)

EFFTUR-46 | did:op:2E761103C6A52F13998B438F6c65d56303F884698

GET RESULTS

Results are stored for 30 days.

CREATED: 8 days ago FINISHED: 8 days ago

JOB ID: 342b24b3c41b4afdb0c24493f4aa188c



# OPF core highlight: Fix gas costs: Polygon

[blog.oceanprotocol.com/ocean-on-polygon-network-8abad19cbf47](https://blog.oceanprotocol.com/ocean-on-polygon-network-8abad19cbf47)

## Ocean's on Polygon Network

Ocean Protocol smart contracts and Ocean Market are deployed on a low gas fees network with rapid community adoption



As part of [Ocean's multi-chain strategy](#), we have partnered with Polygon (formerly Matic) to bring Web3 Data Economy tools to the ecosystem. Polygon has seen widespread adoption with over 100 Million transactions, and 200,000 unique users, enabling new use cases and experiences for top dApps like Polymarket, Aavegotchi, IDEX, and Neon District. Polygon also offers a strong alternative to Ethereum, meeting a key goal for Q1 in our [2021 roadmap](#).



## Intro to Polygon's Bridge

The Polygon Network (ex Matic) provide us with a bridge (connecting Ethereum & Polygon blockchains), and a dedicated [wallet](#) that simplify the steps of transferring assets between the two networks. The wallet connects to your account via a QR code or other supported wallets.

When you click the link, the wallet will ask to log in. Select your preferred way to connect from the action. In our guide we'll use Metamask.



### Login



**Metamask**

Connect using browser wallet



**WalletConnect**



### BASICS

- Introduction
- Quickstart
- Architecture Overview
- Supported Networks**
- Deployments
- Projects using Ocean

### COMPUTE-TO-DATA

- Compute-to-Data Overview

### SPECIFYING ASSETS

- DIDs & DDOs
- DDO Metadata

### CONTRIBUTE

- Ways to Contribute
- Get Funding
- Reporting Vulnerabilities
- Legal Requirements when Contributing Code
- Code of Conduct

## Polygon Mainnet

Ocean is [deployed](#) to the [Polygon](#) production network. Polygon's native token is MATIC.

If you don't find Ocean as a predefined network in your wallet, you can connect to it manually via [this guide](#) and the parameters below.

What	Value
Network Name	Matic Mainnet
RPC	<a href="https://rpc.polygon.oceanprotocol.com/">https://rpc.polygon.oceanprotocol.com/</a>
Chain Id	137
Currency Symbol	MATIC
Block Explorer URL	<a href="https://explorer.matic.network/">https://explorer.matic.network/</a>

### Tokens

- **MATIC:**
  - Native token to pay transaction fees
  - [Exchanges to purchase](#)
- **Polygon OCEAN:**
  - Address: [0x282d8efCe846A88B159800bd4130ad77443Fa1A1](#)
  - [Exchanges to purchase](#)



# OPF core highlight: Multi-chain assets not siloed

The screenshot shows the Ocean Market website interface. At the top, there is a navigation bar with the Ocean Market logo, 'PUBLISH', and 'PROFILE' buttons. A search bar and a user profile dropdown (Ox5dc...5497) are also present. The main heading is 'Ocean Market' with the subtitle 'A marketplace to find, publish and trade data sets in the Ocean Net'. Below this, there are sections for 'Bookmarks' and 'Highest Liquidity'. A 'Networks' dropdown menu is open, showing options for 'Main' (ETH, Polygon, BSC) and 'Test' (ETH Ropsten, ETH Rinkeby, Polygon Mumbai, Moonbase Alpha, GAIA-X Testnet). A pink arrow points to the 'Main' section of the dropdown. Below the dropdown, three data set cards are visible, each with a title, description, and OCEAN POOL value.

market.oceanprotocol.com

We are in beta. Please familiarize yourself with [the market](#), [the risks](#), and the [Terms of Use](#).

Ocean Market **v3** PUBLISH PROFILE

Search... Ox5dc...5497

## Ocean Market

A marketplace to find, publish and trade data sets in the Ocean Net

**Bookmarks**  
Your bookmarks will appear here.

**Highest Liquidity**

**Networks**  
Switch the data source for the interface.

Main

- ETH
- Polygon
- BSC

Test

- ETH Ropsten
- ETH Rinkeby
- Polygon Mumbai
- Moonbase Alpha
- GAIA-X Testnet

**QUICRA-0** DATA SET  
**DataUnion.app - Image & Annotation Vault**  
DataUnion.app  
Notice This dataset and the software stack behind it are under constant development...  
692.868 OCEAN POOL

**LUMSTA-42** DATA SET  
**Product Pages of 1'044'709 Products on Amazon.com (proces...**  
Innovation Atelier SA  
Result of scraping of Amazon.com product page data over H1 2018, obtained using ne...  
83,942.031 OCEAN POOL

**EXCANE-93** DATA SET  
**EVO/2MP/TRFC/DE/200K Weekly Collector**  
Evotegra GmbH  
Evotegra - EVO/2MP/TRFC/DE/200K German Traffic Data for Machine Learning ...  
1,523.022 OCEAN POOL

# OPF core highlight: Fine-grained permissions

[blog.oceanprotocol.com/fine-grained-permissions-now-supported-in-ocean-protocol-4fe434af24b9](https://blog.oceanprotocol.com/fine-grained-permissions-now-supported-in-ocean-protocol-4fe434af24b9)

How to handle data exchange for

- 🏥 Medical data only for credentialed EU researchers
- 🚗 Selling automotive data within a consortium
- 🇩🇪🇨🇳 Sharing data across offices in a multinational ?

@oceanprotocol fine-grained permissions handles this



The screenshot displays the 'Sample Files' page on the Ocean Market. It shows a file named 'DATA SET' with a 'Licensing' section that states: 'The computer code and data files described and made available on this web page are distributed under the GNU LGPL license.' Below this, there are buttons for 'EDIT METADATA' and 'EDIT ADVANCED SETTINGS'. A table below lists the 'DATA AUTHOR' as 'Janis' and the 'OWNER' as '0x79F...'. The 'DID' is also visible. On the right side, there are sections for 'Deny ETHAddress' and 'Disable Consumption', each with an 'ADD' button and a list of addresses.



# Better dev onboarding: ocean.py C2D Quickstart

[github.com/oceanprotocol/ocean.py/blob/main/READMEs/c2d-flow.md](https://github.com/oceanprotocol/ocean.py/blob/main/READMEs/c2d-flow.md)

## Quickstart

### Simple Flow

This stripped-down flow shows the essence of Ocean: simply create

[Go to simple flow](#)

### Marketplace flow

In this flow, a data asset is posted for sale in a marketplace, and a pool.

[Go to marketplace flow](#)

### Compute-to-Data flow

This flow uses Ocean Compute-to-Data (c2d) to compute results

[Go to c2d flow](#)

## 3. Alice publishes algorithm

For this step, there are some prerequisites needed. If you want to replace the sample algorithm, you need to do some dependency management. You can use one of the standard [Ocean algorithms](#). Use the image name and tag in the `container` part of the algorithm metadata. This describes the dependency installation e.g. in the case of Python, OS-level library installations, pip install more about docker image publishing.

In the same Python console:

```
# Publish ALG datatoken
ALG_datatoken = ocean.create_data_token('ALG1', 'ALG1', alice_wallet, blob=ALG_blob)
ALG_datatoken.mint(alice_wallet.address, to_wei(100), alice_wallet)
print(f"ALG_datatoken.address = '{ALG_datatoken.address}'")

# Specify metadata and service attributes, for "GPR" algorithm script.
# In same location as Branim test dataset. GPR = Gaussian Process Regression
ALG_metadata = {
    "main": {
        "type": "algorithm",
```

You can use the result however you like. For the purpose of this example, let's plot it.

```
import numpy
from matplotlib import pyplot

X0_vec = numpy.linspace(-5., 10., 15)
X1_vec = numpy.linspace(0., 15., 15)
X0, X1 = numpy.meshgrid(X0_vec, X1_vec)
b, c, t = 0.12918450914398066, 1.5915494309189535, 0.039788735772973836
u = X1 - b*X0**2 + c*X0 - 6
r = 10.*(1 - t) * numpy.cos(X0) + 10
Z = u**2 + r

fig, ax = pyplot.subplots(subplot_kw={"projection": "3d"})
ax.scatter(X0, X1, model, c="r", label="model")
pyplot.title("Data + model")
pyplot.show() # or pyplot.savefig("test.png") to save the plot as a .png file
```

Here are the steps:

1. Setup
2. Alice publishes data asset
3. Alice publishes algorithm
4. Alice allows the algorithm for C2D for that data asset
5. Bob acquires datatokens for data and algorithm
6. Bob starts a compute job
7. Bob monitors logs / algorithm output

## 6. Bob starts a compute job

Only inputs needed: DATA\_did, ALG\_did. Everything else can get computed as needed.

In the same Python console:

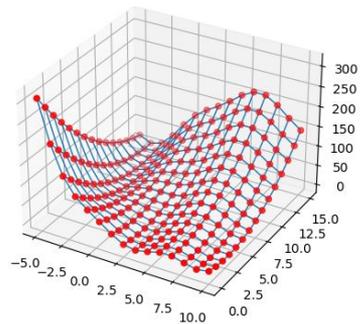
```
DATA_did = DATA_ddo.did # for convenience
ALG_did = ALG_ddo.did
DATA_DDO = ocean.assets.resolve(DATA_did) # make sure we operate on the correct DDO
ALG_DDO = ocean.assets.resolve(ALG_did)

compute_service = DATA_DDO.get_service('compute')
algo_service = ALG_DDO.get_service('access')

from ocean_lib.web3_internal.constants import ZERO_ADDRESS
from ocean_lib.models.compute_input import ComputeInput

# order & pay for dataset
```

Data + model



# OPF Core: Solve rug pulls & reduce IL (WIP)

## Problem 1:

- Rug pulls are when a token whale pulls out of their large position in a pool, hurting other stakers
- In Ocean V3, every publisher is a datatoken whale
- Rug pulls happened :(

## Problem 2:

- Significant impermanent loss (IL) because staking OCEAN *bought* DTs (with slippage), and unstaking sold DTs (with slippage)

# OPF Core: Solve rug pulls & reduce IL (WIP)

## Solution for Ocean V4: One-sided staking (1SS)

- Initial datatokens are controlled by the pool, *not* the publisher
- Pool mints datatokens when OCEAN is staked, burns when unstaked
- Publishers are *not* datatoken whales → no opportunity to rug pull
- Staking OCEAN *doesn't* buy DTs → no slippage → no IL in act of staking
- Unstaking OCEAN *doesn't* sell DTs → no slippage → no IL in act of unstaking
- Though there's still IL if OCEAN:DT ratio changes from (a) when you stake to (b) when unstake

# OPF core: Token Engineering to solve rug pulls & reduce IL (WIP)

Criterion	Ocean V3	LBP	1SS	LBP + 1SS	LBP + 1SS Dutch: Pub	1SS + Dutch: Pool	1SS + Dutch: Pool + Vesting	1SS + Vesting
Simple to understand, build, maintain	✓	✓	✓	✓	≈	✓	≈	✓✓
Avoids large price swings / IL when people just want to stake OCEAN	✗	✗	✓	✓	✓	✓	✓	✓
Solves price spikes at beginning	✗	✗	✓	✓	✓	✓	✓	✓
Solves price spikes in market equilibrium	✗	✓	✓	✓	✓	✓	✓	✓
Solve rug pulls	✗✗	✗	✓	✓	✓	✓	✓	✓
Good incentive for publisher to publish initially	✓✓	✗	✗	✗	✓	✗	✓	✓

# Solve rug pulls & reduce IL: Modeling V3 → V4

<https://github.com/tokenspice/tokenspice>

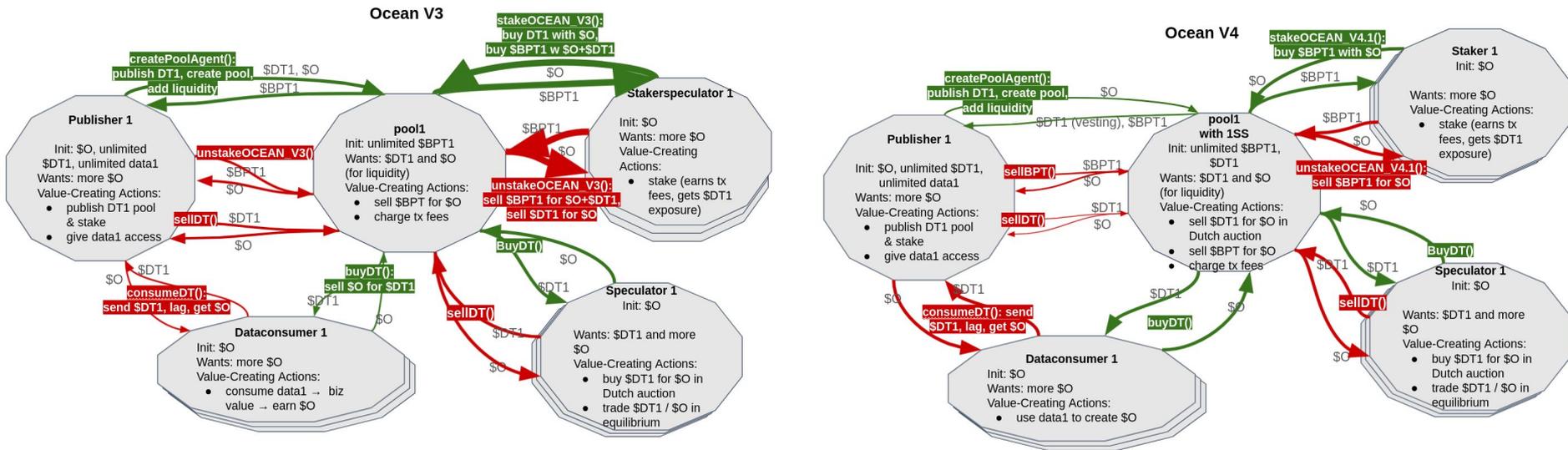
## TokenSPICE: EVM Agent-Based Token Simulator

Unit Testing passing MyPy Static Typechecking passing

TokenSPICE simulates tokenized ecosystems via an agent-based approach, with EVM in-the-loop.

It can help design, tune, and verify tokenized ecosystems. It's young but promising. We welcome you to contribute! 🍷

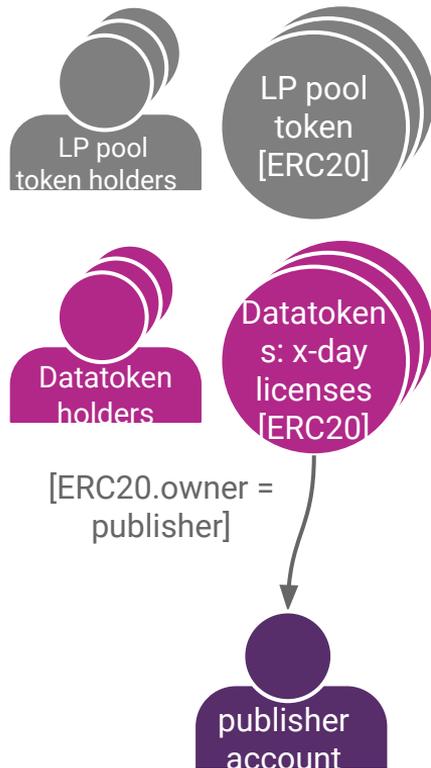
- Each "agent" is a class. Has a wallet, and does work to earn \$. One models the system by wiring up agents, and tracking metrics (kpis). Agents may be written in pure Python, or with an EVM backend.
- A "netlist" defines what you simulate, and how. It wires up a collection of agents to interact in a given way. You can write your own netlists to simulate whatever you like. The `assets/netlists` directory has examples.



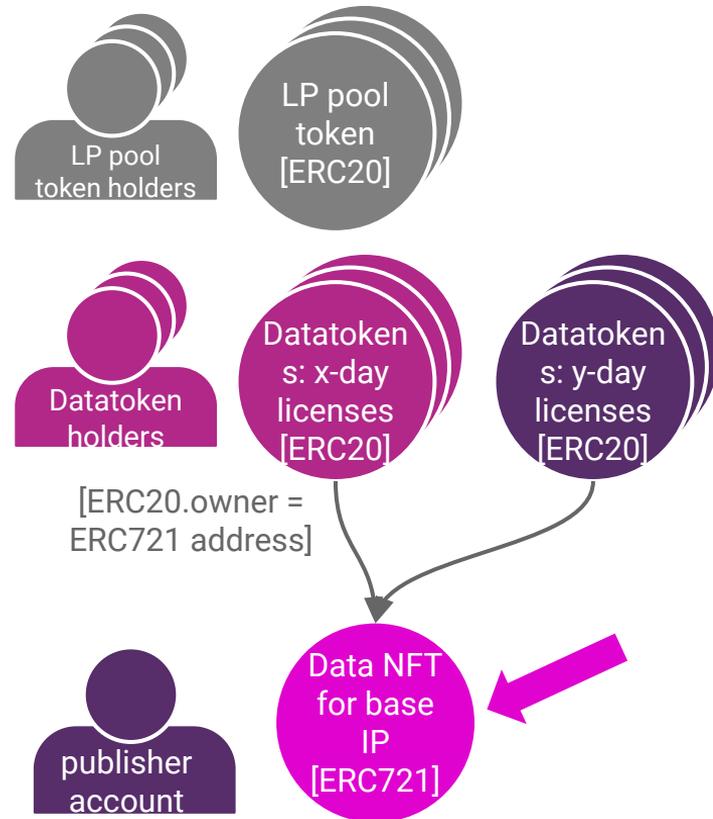
# OPF Core: Data NFTs (WIP)

ERC721 represents copyright holder. Enhances flexibility, leverages ERC721 tools

### Ocean V3



### Ocean V4



# OPF Core: Data Farming

Liquidity mining style program to incentivize data consume volume



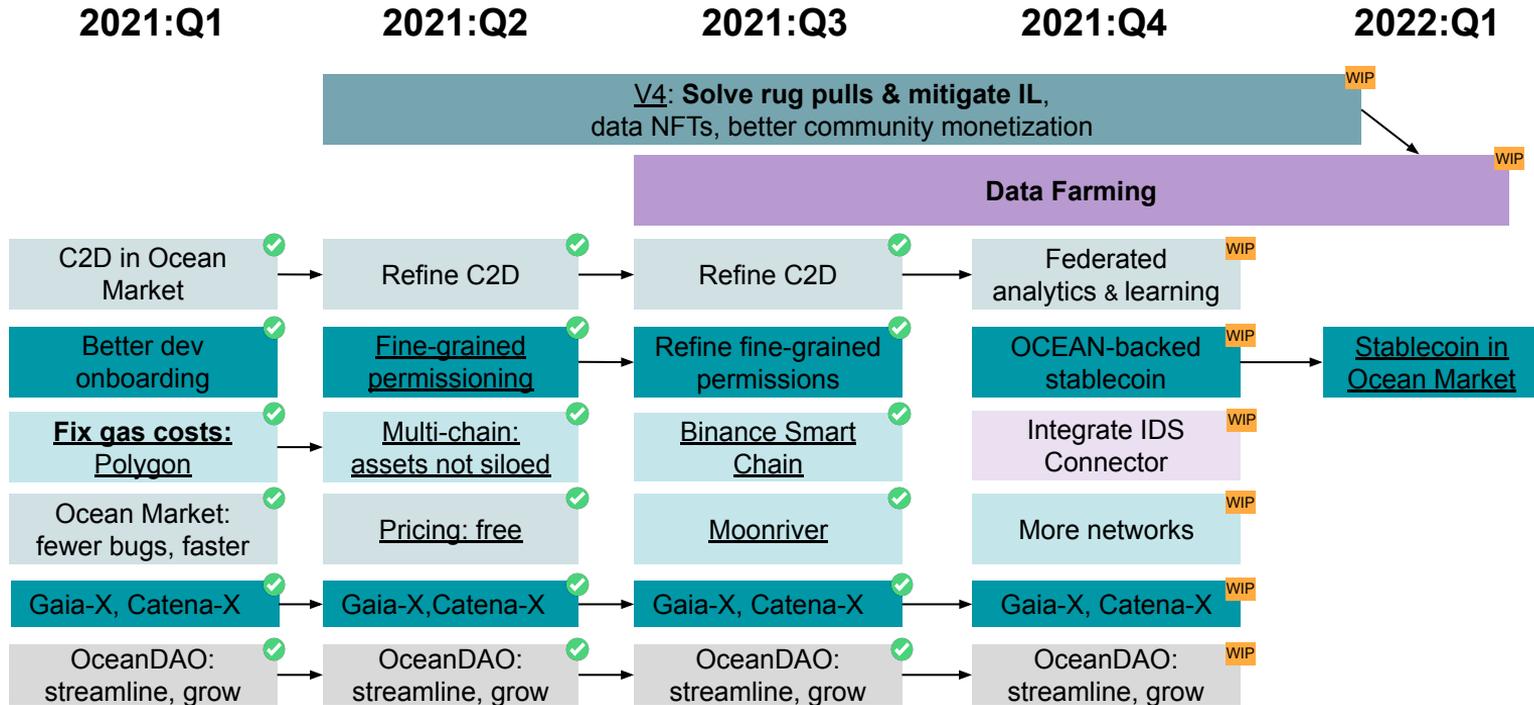
Data Farming can only run at scale when rug pulls are solved.

V4 solves rug pulls.

Therefore, Data Farming at scale will follow on the heels of V4.

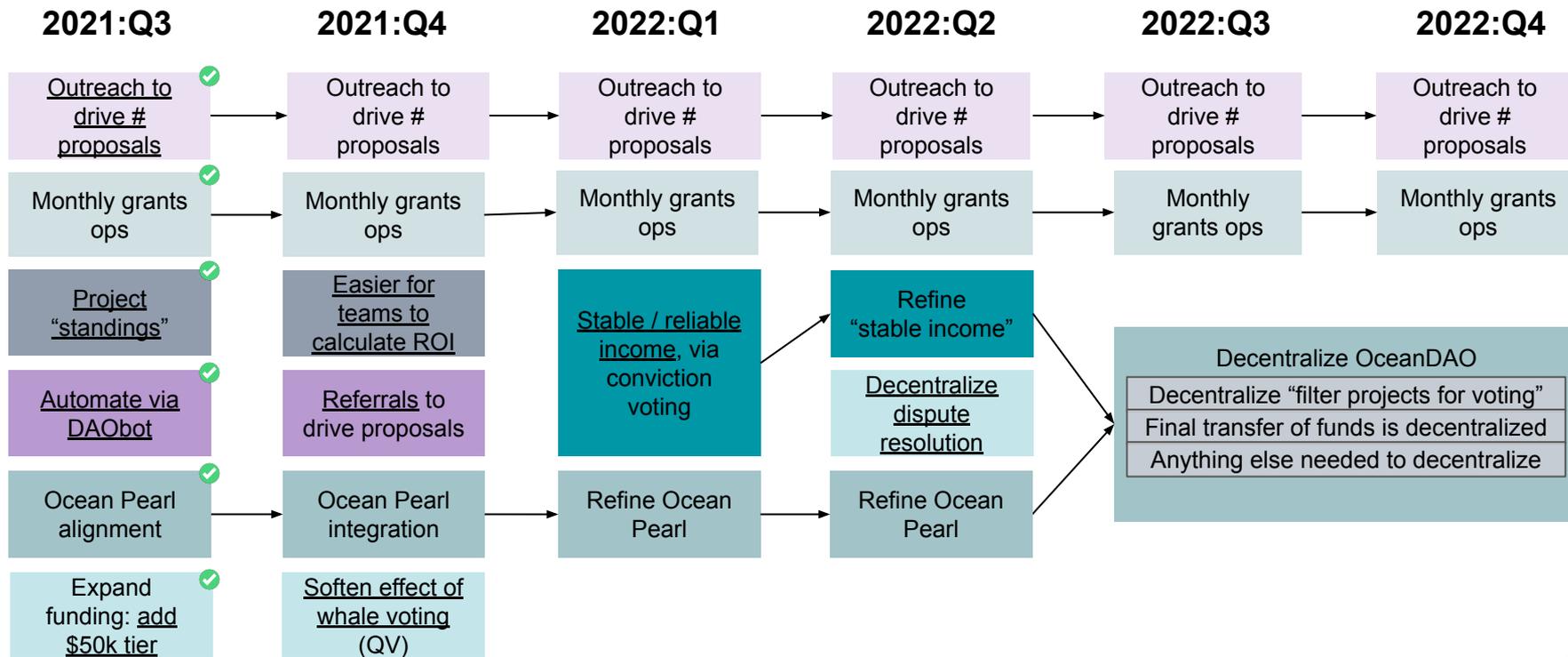
# OPF Core: Roadmap

[blog.oceanprotocol.com/ocean-product-update-2021-6875bc1f804f](https://blog.oceanprotocol.com/ocean-product-update-2021-6875bc1f804f)



# OPF Core: OceanDAO & decentralization roadmap

[blog.oceanprotocol.com/oceandao-roadmap-update-q3-2021-to-eoy-2022-c73038699a6f](http://blog.oceanprotocol.com/oceandao-roadmap-update-q3-2021-to-eoy-2022-c73038699a6f)

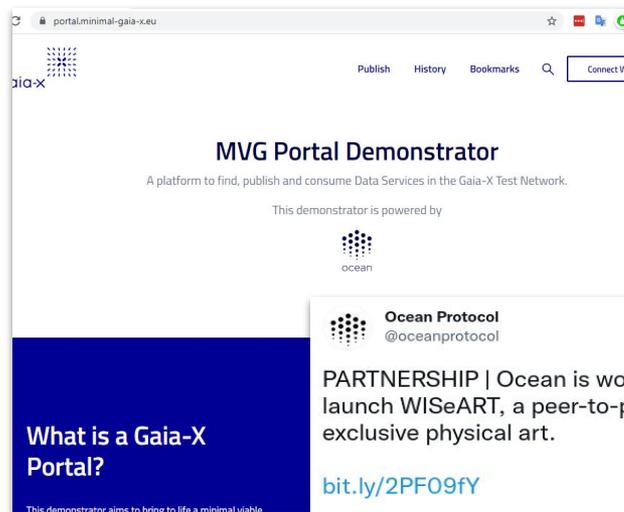




## **Teams 2: Third-Party Markets**

# Teams 2: Third-Party Markets

1. Ocean Market - live
  2. BDP - live
  3. GAIA-X Ref Mkt - live demo
  4. Catena-X Ref Mkt - live demo
  5. WISekey - WIP, live before EOY
  6. (largeco) - WIP, live before EOY
  7. (largeco) - WIP, live before EOY
  8. (medco) - WIP, live before EOY
- (plus several more via OceanDAO)





## **Teams 3: Product Contracts to OPF**

# Teams 3: Product Contracts to OPF: Summary

Org	What	Date started
Raven Protocol	 Add more AI/ML algorithms  Federated analytics Federated learning	Q2 2021
Altoros	 Datatoken-first wallet alpha  Datatoken-first wallet MVP	Q2 2021
DeltaDAO	 Gaia-X demo  Catena-X demo  Privacy review  Gaia-X & Catena-X ongoing work	Q2 2021
Datarella	 Catena-X demo (w Bosch + fetch.ai)  Integrate IDS Connector	Q2 2021
UTU	 UTU curation signals in UTU app  UTU signals in Ocean Market	Q2 2021

# Teams 3: Raven Protocol: Add more AI/ML algs

**Sherman Lee** ✓  
@SHERM8N

Publishing ML algos on @oceanprotocol is very satisfying.

Anyone in the world can run them on any dataset with minimal effort thanks to Compute to Data.

Do we call these #DeAI legos?

SupplyDefi @SupplyDefi · Sep 14  
@raven\_protocol x @oceanprotocol  
Building together 🚀 with federated learning on the radar 🌞  
\$OCEAN \$RAVEN  
Screenshot from the ocean marketplace 📸

about 2 hours ago — updated about 2 hours ago

Wine quality dataset is a classification dataset to train classification algorithms like Logistic Regression, KNN Classifier, SVM, and other algorithms

dataset wine-dataset

DATA AUTHOR  
Raven Protocol & Ocean Protocol

OWNER  
0xAcca...f83 — Explorer >

DID  
did:op:12b7c08A6e70b1b484A18d3B398D5a60043A8cBF

Select an algorithm to start a compute job

Search by title, datatoken, or DID...

Random Forest Classifier v1.0 🔗	1
SVM Classifier v1.0 🔗	1
Naive Bayes Classifier v1.0 🔗	1
MLP Classifier v1.0 🔗	1
Decision Tree Classification v1.0 🔗	2
KNN Classification Algorithm v1.0 🔗	1
Logistic Regression v1.0 🔗	1

1:28 PM · Sep 17, 2021 · Twitter for iPhone

**Raven Protocol** 1K Followers About Follow

## Machine Learning Series: Using Logistic Regression for Classification in Ocean's Compute-to-Data

Raven Protocol · 15 min read · Draft

### 5. Walk-through: Publishing Logistic Regression Algo

After learning how to publish a dataset, one may want to do some kind of action on that data. This is the innovation of Ocean's Compute-to-Data. Users can easily select an algorithm to start a compute job. Let's walk through how to publish a machine learning algorithm that can use the dataset we previously published. The algorithm of choice? You guessed it, Logistic Regression.

#### 1. Setup Polygon Network on MetaMask

Polygon is where we are publishing the datasets and algorithms for its speed & cost. One could also use Ethereum or Binance Smart Chain if they wished. Ocean already has great documentation on setting up Polygon: <https://docs.oceanprotocol.com/tutorials/polygon-bridge/>  
<https://blog.oceanprotocol.com/ocean-on-polygon-network-8abad19cbf47>

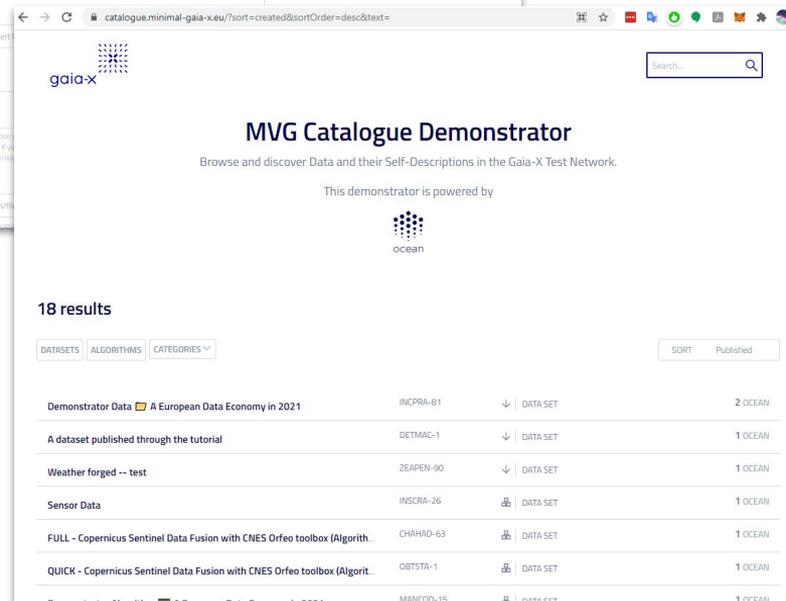
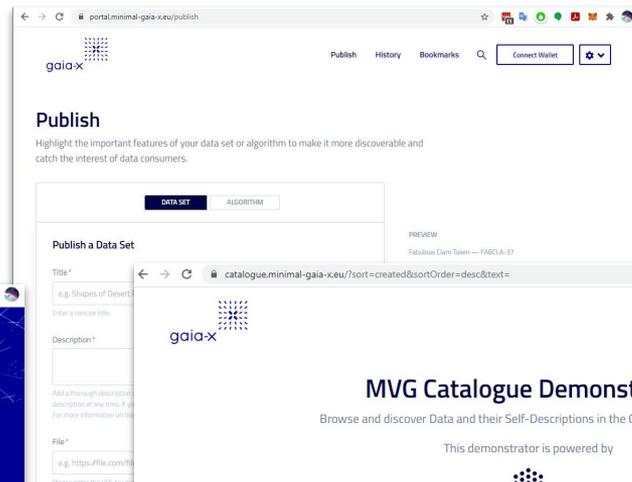
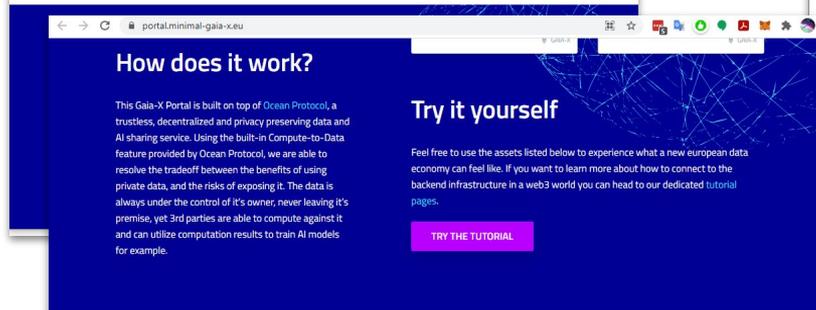
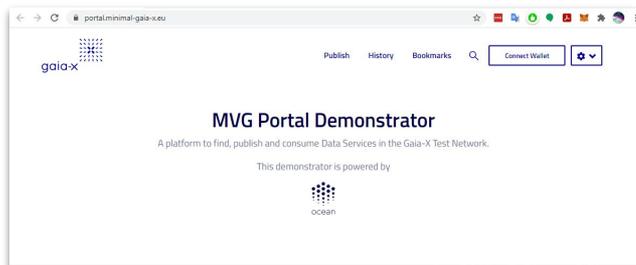
#### 2. Open Ocean Market Publish Page

Fire up the Ocean Market UI and select algorithm: <https://market.oceanprotocol.com/publish>

**Publish**  
Highlight the important features of your data set or algorithm to make it more discoverable and catch the interest of data consumers.

# Teams 3: DeltaDAO: Gaia-X Demonstrator

<https://portal.minimal-gaia-x.eu>





# Teams 3: UTU Recommendations

<https://defi-portal.utu.io/ocean>

NAME	STATUS	PUBLISHER	YOUR NETWORK	TIMES CONSUMED
100K+ Historical match results of top European Football Club Mc Daymond	Purgatory	Mc Daymond		0
Analysis of the Leading Brands Mentioned in Twitter Stravito	Purgatory	Stravito		0
World's Health Statistics Data Influxion	Active	Data Influxion		0
Tesla User Data in Los Angeles Trayvon Kirsh - University of California Berkeley	Active	Trayvon Kirsh - University of California Berkeley		1

**AtlantisStream.io - Realtime Consumer Data Streams**

By Atlantis Streams 4 Data assets

Updated 3 months ago Active

Atlantis Stream is a crowdsourced dataset of real-time consumer data streams.  
Notice (11/17/2020)  
Atlantis Stream is currently pre-alpha, and will be migrating to compute-to-data

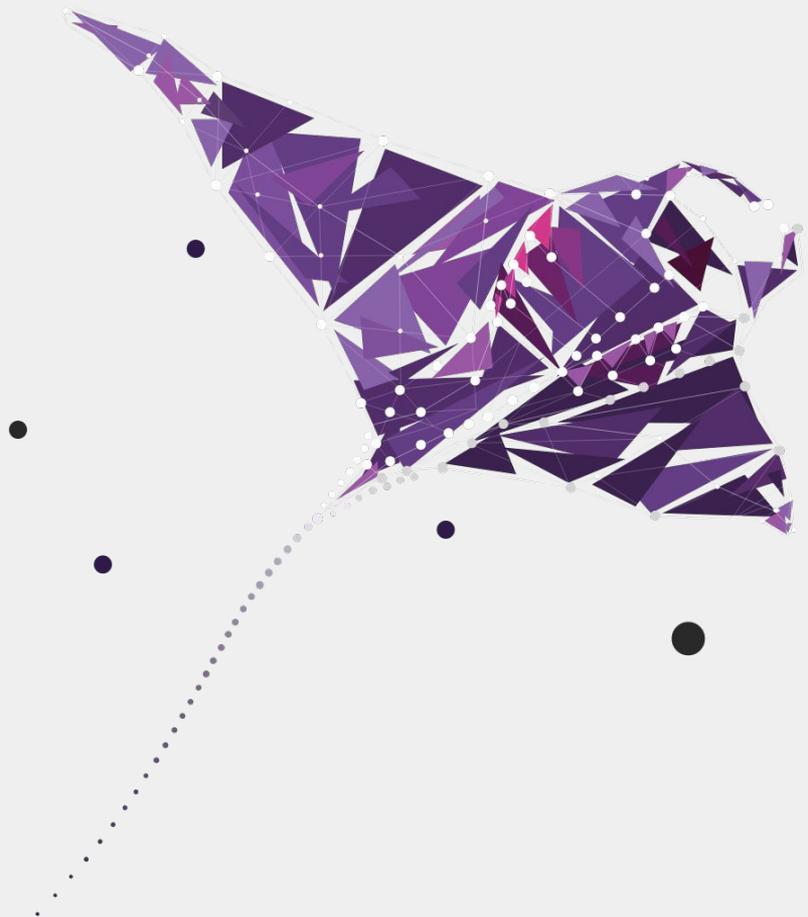
### Usage in your network

USAGE OF THIS DATA ASSETS

<b>Consumers</b> 0 In your network consumed this data asset	<b>Liquidity providers</b> 0 In your network provided liquidity for this data asset
--	--

### Signals

Total consumption <b>351.23</b> OCEAN 4 times	Total liquidity <b>6,065.453</b> OCEAN 1 pools
Swap volume <b>82,889.423</b> OCEAN 1 pools	Monthly activity <b>0</b> CONSUMPTIONS



## **Teams 4: OceanDAO teams**



# Team: Data Whale Data Ratings, Data Wallet

**Data Whale**  
Build & Integrate

edited at  
April 9th, 2021

copy project link

**DAO proposal**

Round 5

Requested Funding: 17500 USD

Project wallet address: [0xab033a0af95379af5cc0302e0a0187642d73e](#)

undo link

Round	Yes Votes	No Votes	Granted Funding	Granted	View full proposal
1	148268	-	13000	yes	port
2	123724	-	30000	yes	port
3	33062	-	30000	yes	port
6	1058720	-	60000	yes	port
7	968885	-	32000	yes	port
9	1357891	34	22764	yes	port

11:04 4G

**ALGA.**  
stake smartly!

TVL = \$ 5,938,459.52 · Datasets = 425 · Ocean = 1,279,124

**\$OCEAN**  
0.69 USD  
Click to see details

**Highest Liquidity Pools** See all

<b>QUICRA-0</b> \$OCEAN 681.89 ▼ 12.91%	<b>LUMSTA-42</b> \$OCEAN 89,770.33 ▼ 8.24%	<b>EXC</b> \$OCEAN ... ▲ 3.1%
---	--	-------------------------------------

**Newcomers** See all

<b>DIDJEL-3</b> \$OCEAN 0.00 ▲ 0%	<b>DELWHA-71</b> \$OCEAN 12.49 ▲ 15.92%	<b>SCL</b> \$OCEAN ... ▲ 0%
---	---	-----------------------------------

market.oceanprotocol.com/asset/did:op:fcB47F5781F14Ed7E032BD395113b84C897aA23F

## Data Whale Ocean Marketplace Directory & Pool Ratings

ETH

DATA SET | Trenchant Pelican Token — TREP-36

USE POOL TRADE

70.067 OCEAN POOL  
€ 40.56  
BUY FOR 1 YEAR

Published By **Data Whale Curation & Management**  
11 months ago — updated 30 days ago

The Directory provides you with valuable insights to the top Data Token liquidity pools on the Ocean Protocol Marketplace.

Watch our full YouTube overview by clicking the banner below.

**The Directory Highlights**

- The most sold dataset on the Ocean Protocol Marketplace (70+ sales).
- 15,000,000 \$OCEAN traded across almost 7,000 pool transactions.
- Price Growth Potential: up to **500%+** (nfa).
- All-Time-High RO: **777x**.
- Has been traded on Uniswap [here!](#)
- All the most important information on where to stake on the Ocean

# Team: RugPullIndex Data Ratings



**RugPullIndex**  
Build & Integrate

added at  
April 19th, 2021

**Description**

When the Ocean Protocol first launched their dynamically priced data set pools (a fork of Balancer), rugs were pulled left and right - and so many investors and data consumers lost funds. At the time, the problem was that the overall stake in all pools was low which made it easily possible for a data set publisher to "pull the rug" from under the investors. We, Scott and Tim, saw this problem and had a fix in mind. What if we measured all pools and created a "stake safety" score? A few weeks later, the rugpullindex.com was launched and is since then listing all Ocean Protocol data sets sorted by stake safety.



rug pull  
Best Data Set

read full proposal

**DAO proposal**

Funding Round  
Round 8

Requested Funding  
10277 USD

Project Wallet Address  
0x005241438caf3eacb05bb654315f7af894c5b58  
show all

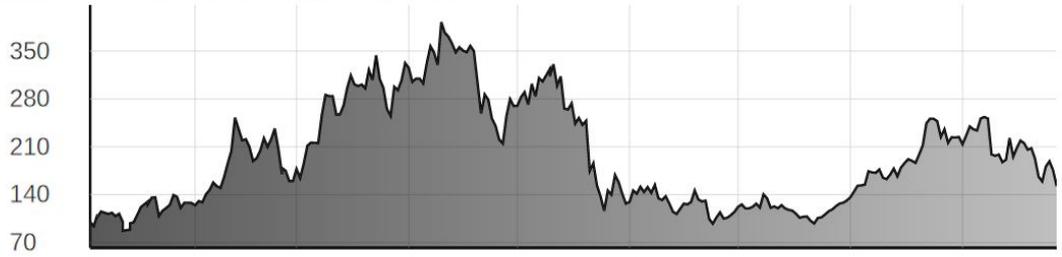
vote here

DAO Proposals (7)

Round	Yes Votes	No Votes
2	63077	-
3	233542	-
4	86964	- 8500
5	1235214	500 7500
6	1603353	- 13000

rug pull index Risks & Rewards Staking FAQ Blog EUR USD

**Index of Best Data Sold on Ethereum**



Jan 2021 Feb 2021 Mar 2021 Apr 2021 May 2021 Jun 2021 Jul 2021 Aug 2021 Sep 2021

Info	Content	Rating	Equality	Liquidity	Price	
		0 — 100%	Gini coefficient			
1 0	  <b>QUICRA-0</b> DataUnion	<a href="#">Annotated Images</a>	5.02%	🟡 (0.93)	358,922€	399.8€
2 0	  <b>LUMSTA-42</b> Innovation Atelier	<a href="#">Products on Amazon.com</a>	4.97%	🟡 (0.88)	218,955€	43,801€
3 0	  <b>EXCANE-93</b> Evotegra	<a href="#">Labeled Traffic Images</a>	2.24%	🟡 (0.70)	37,621€	848.8€

# Team: Evotegra High-quality Datasets

Ocean Pearl

Projects Dao Proposals Login via Wallet

**Evotegra**  
Unleash Data

added at  
May 2nd, 2021

copy project link

Description  
Extend the EVO/2MP/TRFC/DE/200k dataset with new classes like pedestrian, car, motorcycle, bicyclist and busstop

read full proposal



**DAO proposal**

Funding Round # Requested Funding  
17600 USD

Project Wallet Address  
0x61b1599893cc748b46c08fede13a0dfb33bba9  
show oil

vote here

DAO Proposals (4)

Round	Yes Votes	No Votes	Granted Funding	Granted	View prop
5	1135926	-	7500	yes	
6	1043444	-	16500	yes	
7	292417	100000	-	no	
8	709989	300000	33208	yes	

## Evotegra 100.000 image traffic dataset @ 1 Ocean

OceanDAO Round 8

tmanthey



market.oceanprotocol.com/asset/dd:op:2a76f680279CE629a9F5E601BDa7246e06F226f0

Ocean Market PUBLISH PROFILE

evotegra

## EVO/2MP/TRFC/DE/200K Weekly Collector

ETH

DATA SET | Exceptional Anemone Token – EXCANE-93

Published By **Evotegra GmbH**  
9 months ago – updated 4 months ago

### Evotegra - EVO/2MP/TRFC/DE/200K German Traffic Data for Machine Learning

ruggullindex.com #3

Pledge Initial Liquidity Locked 6 months

Curation Weekly Rotation and Curation

Quality Industry Grade Annotation and QA

Special Made by AI for AI

**About the data (full set & slices)**

Our German traffic dataset Evotegra - EVO/2MP/TRFC/DE/200K contains in total 192,499 images with 1,289,798 individual labels in 280 classes. The classes are based on the German road traffic regulation (StVo) and cover traffic signs and lights. Please download the **taxonomy** and the **statistics** to get detailed information. This dataset was designed to satisfy the

USE POOL TRADE

zip 212 B

**1,523.022 OCEAN POOL**  
= € 883.45

BUY FOR 1 DAY

You do not have enough OCEAN in your wallet to purchase this asset.

# Team: Ocean Pearl Project Tracker → OceanDAO frontend



**Ocean Pearl**

Outreach



added at  
May 2nd, 2021

copy project link

## Description

We bootstrap a community-based project tracking platform for the Ocean ecosystem with an early focus on the OceanDAO community.

read full proposal



## DAO proposal

Funding Round

Round 9

Requested Funding

17500 USD

Project Wallet Address

0xe6e3459ba0d70699f54464cc4b5d273810e7ec7b

vote here

DAO Proposals (3)

Round	Yes Votes	No Votes	Granted Funding	Granted	View full proposal
5	1025152	-	7500	yes	port
7	1775673	3793	23000	yes	port
9	1196927	34	22764	yes	port

# Team: DataUnion AI Image Labeling Union

**DataUnion Foundation**  
Unleash Data

added at  
April 19th, 2021

copy project link

Description

We want to give everyone the ability to use their data for a better future and their own profit.

read full proposal



### DAO proposal

Funding Round  
Round 9

Requested Funding  
17500 USD

Project Wallet Address  
0x655efe6eb2021b8cfe22794d90293aec37bb325

vote here

DAO Proposals (7)

Round	Yes Votes	No Votes	Granted Funding	Granted	View full proposal
3	740138	-	10000	yes	port
4	188499	-	6500	yes	port
5	1014808	500	7500	yes	port
6	1749185	-	27200	yes	port
7	1040709	470103	32000	yes	port
8	1501293	2690452	-	no	port



Alpha Datasets Contribute Databoken Vision Solution Team Contact

TAKE PHOTOS,  
ADD LABELS,  
ANNOTATE IMAGES  
& GET CRYPTO REWARDS  
TRY OUR ALPHA APP



# Team: Project Coral Data DAO around Open Science

**Project Coral**  
Outreach

asked at June 08, 2021 [copy project link](#)

**DAO proposal**

Description  
Project Coral is an outreach and community building initiative to bootstrap an Open Science Data DAO that will generate datasets and algorithms to host on our list of the Open Knowledge and will provide templates for other groups to replicate our efforts leading to new future proposals.

[read full proposal](#)

**DAO proposal**

Project wallet address  
0x33359285f30e7b3386de70ca5004627853769d  
[show all](#)

[vote here](#)

DAO proposals (7)

Round	Yes Votes	No Votes	Granted Funding	Granted	View full proposal
2	32487	-	-	no	<a href="#">port</a>
3	133455	-	10000	yes	<a href="#">port</a>
4	54672	-	8500	yes	<a href="#">port</a>
5	666716	500	7500	yes	<a href="#">port</a>
6	661756	-	27200	yes	<a href="#">port</a>
7	17298	-	-	no	<a href="#">port</a>
8	1703796	-	33208	yes	<a href="#">port</a>



Opscientia  
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119 Following 294 Followers

We're a community-owned open science ecosystem that unlocks data silos revolutionises collaboration and democratises funding

Singapore, Barcelona [opsci.io](#) Joined February 2021

119 Following 294 Followers

**Open Science Wallet** Connect

Upload Public

**Multi-echo fMRI replication sample of autobiographical memory, prospection and theory of mind reasoning tasks**

Elizabeth DuPre  
Wen-Ming Luh  
R. Nathan Spreng

Brains FMRI [Download](#)

**ASL\_Philips\_PCASL\_2DEPI**

Sjoerd B. Vos  
David L. Thomas

Please Wait  
pushing file to bucket

Title: Logo  
Authors: Alex  
Tags: Logo, Opscientia

[Submit](#)

**My Datasets:**  
Multi-echo fMRI replication sample of autobiographical memory, prospection and theory of mind reasoning tasks

**Private Access Datasets:**  
Multi-echo fMRI replication sample of autobiographical memory, prospection and theory of mind reasoning tasks

## Opscientia DAO Wins Multiple Awards at the EthGlobal Hackathon

Alexandra McCarroll [Follow](#)  
Aug 26 · 2 min read

Opscientia's [data wallet prototype](#) for research data management to promote open science impressed many at the 2021 Web3Weekend ETHGlobal hackathon!



# Team: Vantage Crypto WSS Integration, Data Market


added at May 2nd, 2021
copy project link

**Description**

facilitate data offerings, staking and data consumption on the Ocean Protocol network by empowering users with the ability to analyze any numerical data on the Ocean Protocol network and monetize their processed analytical datasets through an Ocean streamlined Analytics platform.

[read full proposal](#)



**DAO proposal**

Funding Round

Round 8

Requested Funding

17600 USD

DAO Proposals (3)					
Round	Yes Votes	No Votes	Granted Funding	Granted	View full proposal
5	88772	-	7500	no	<a href="#">part</a>



## Crypto-Market Analytics for modern analysts

Advanced market data & Next-generation analytics

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### Vantage Signals

Next generation quantitative analytics and signaling platform

**Modular API Data**

Buy only the specific data you need, at a HUGE DISCOUNT

**CoinMarketFlow.com**

Advanced Digital-Asset Screener for innovative traders and API customers

**Vantage Triggers for CRYPTOHOPPER**

Super power your hopper triggers with Vantage Triggers!

**Advanced market metrics, buy only the specific data you need!**

Serving some **3.5 million data points producing 5 Billion records daily.**

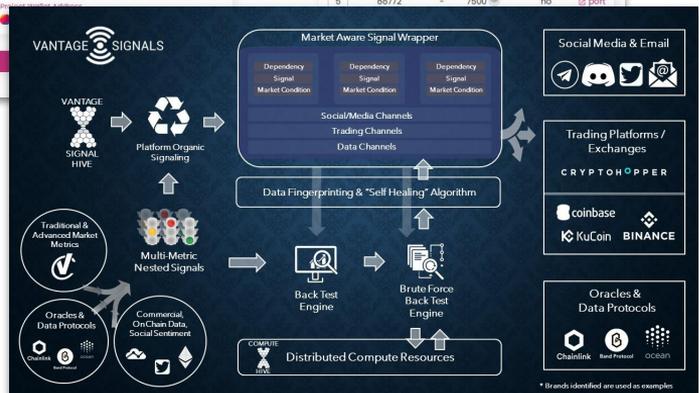
We offer a first of its kind **Modular API data subscription service.** We enable our API users to choose what data they want, how they want it and how much of it they want.

The order book and order flow data we collect is non-persistent. This data is not available from most exchanges after it is collected, this data is hard to find. We provide two different API interfaces, one for real-time analytics and the other for bulk data backtesting.



- ✓ build your own api subscription interface
- ✓ Pre-canned and discounted plans available
- ✓ APIv2: Served for the minute requested
- ✓ APIv3: Single metric feeds of 60 x 1min values
- ✓ Assets by exchange, globally, regionally
- ✓ Sector Indices
- ✓ Wide variety of traditional and advanced metrics
- ✓ Specialty data (Sector dominance, MDR, OFR, etc)
- ✓ Advanced Order Flow Data
- ✓ Advanced Order Books Data
- ✓ Social Sentiment Trending (Future Plans)
- ✓ 1 minute data resolution
- ✓ Transparent pricing
- ✓ ~85% less expensive than the competition

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### VANTAGE SIGNALS

**Social Media & Web:** Supports trading group analysts and the majority of non-automated traders  
**Automated Trading Platforms:** Send signals to almost any trading platforms  
**Signal marketplace:** Monetize processed data by publishing results to a signal marketplace(s)

**NO CODING REQUIRED** Focus on financial analysis without having to learn to code. Users don't need to script anything to use our platform, we provide advanced features with an intuitive GUI.

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- ✓ Signal to Email, Telegram, Discord or Twitter
- ✓ Signal to any automated trading platforms via API, Webhook or WebSocket
- ✓ Monetize on a global marketplace | **CLICK ME**
- ✓ Collaborative analytics | p2p, public & team
- ✓ Market aware, self healing signaling
- ✓ First of its kind "Crowd Signaling"
- ✓ Brute force algorithm back-testing
- ✓ Hosted "Compute on demand"
- ✓ Advanced market and social metrics
- ✓ [click here](#) for architecture overview



# Team: Ocean Ambassadors

Round	Yes Votes
6	2522,082
7	1638,912

## Outreach

- Bounty for OP Material Translations in Local Language
- Organize a Live Event (Talk/Conference), hosted & partnership with Goldfinger Club
- [Manage] Ocean Ambassadors Twitter
- Manage Ambassador Outreach
- Check Inn Members Credentials
- Admin - mod Telegram
- Admin - mod Discord

## Tech

- 1 [Create] Awesome Ocean Protocol List
- 5 [Implement] Project Tracker (Ocean Pearl)
- 3 [Implement] OpenMined Integration
- 1 Define Ocean Tech Ship as an Incubator
- 1 [Communicate] Administrative Telegram/Discord channels

## Podcast

Ocean Protocol Ambassadors Channel  
93 subscribers

HOME VIDEOS PLAYLISTS CHANNELS DISCUSSION ABOUT

Uploads PLAY ALL

- Ocean Protocol Ambassadors Captains... 98 views • 1 month ago
- Ocean Protocol Ambassadors Captains... 49 views • 2 months ago
- Sailor's Lounge #11 - The Ocean Protocol Ambassadors... 72 views • 2 months ago
- Ocean Protocol Ambassadors Town Hall #1 56 views • 3 months ago



ocean



Ocean Protocol

@oceanprotocol



Here's some highlights of @OceanDAO\_ since day one:

- 📍 106 projects funded, building and strengthening Ocean's ecosystem and the data economy
- 📍 121,672,417 OCEAN Voted
- 📍 194,868 OCEAN burned since Round 8

More on OceanDAO here: [oceanprotocol.com/dao](https://oceanprotocol.com/dao)





# Looking Forward

# Looking Forward: Roadmap

2021:Q3

2021:Q4

2022:Q1

Beyond

V4: Solve rug pulls & mitigate IL, data NFTs, better community monetization

WIP

Data Farming

WIP

Refine C2D



Federated analytics & learning

WIP

Refine fine-grained permissions



OCEAN-backed stablecoin

WIP

Stablecoin in Ocean Market

Binance Smart Chain



Integrate IDS Connector

WIP

Moonriver



More networks

WIP

Gaia-X, Catena-X



Gaia-X, Catena-X

WIP

OceanDAO: streamline, grow



OceanDAO: streamline, grow

WIP

Scale Data Farming

OceanDAO Scale & Stability

Decentralize OceanDAO

Bottom-up: improve Ocean Market & BE

Top-down: Top-down: improve via enterprises, Gaia-X, ..



ocean

# Looking Forward: Top-Level Goals 2020, 2021, **2022**

## 2020: build Ocean “backbone”

- Ship V2: Compute-to-Data
- Ship V3: Datatokens + AMMs + Ocean Mkt
- Ship OceanDAO
- Bottom-up: improve Ocean Market & BE

## 2021: drive traction via “meat on backbone”

- Bottom-up: improve Ocean Market & BE
- Top-down: improve via enterprises, Gaia-X, ..
- Ship Polygon: fix high tx fees
- Scale OceanDAO
- Ship V4 & Data Farming: consume incentives & solve rug pulls (actual date: Jan 2022)

## 2022: drive traction, decentralize

- **Scale Data Farming**
- **OceanDAO: scale, stabilize, decentralize**
- Bottom-up: improve Ocean Market & BE
- Top-down: Top-down: improve via enterprises, Gaia-X, .



# Conclusion

# Conclusion

We covered...

- Top-Level Overview
- Teams 1: OPF Core
- Teams 2: Third-Party Markets
- Teams 3: Product Contracts to OPF
- Teams 4: OceanDAO Teams
- Looking Forward

