

The background of the slide is a deep blue color, featuring several glowing jellyfish in various shades of blue and purple. The jellyfish are scattered across the frame, with some appearing larger and more detailed than others. The central text is white and stands out against the dark background.

# Decentralized Orchestration for Applications in ML

@oceanprotocol  
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# Need data *and* AI for value

Have ++ data  
(1000 enterprises)



\$\$

Have ++ AI expertise  
(1000 AI startups)



Have *both*:  
Goog, FB, a handful

# Connect data owners with AI / data scientists

Enterprises, govts, NGOs  
With data & compute



Data scientists  
With problems to solve



Data market

DM

DM

DM

DM

AI commons

Data science tools  
(sklearn, Tensorflow, ..)



Data, storage,  
compute



\$\$



Jupyter  
notebooks



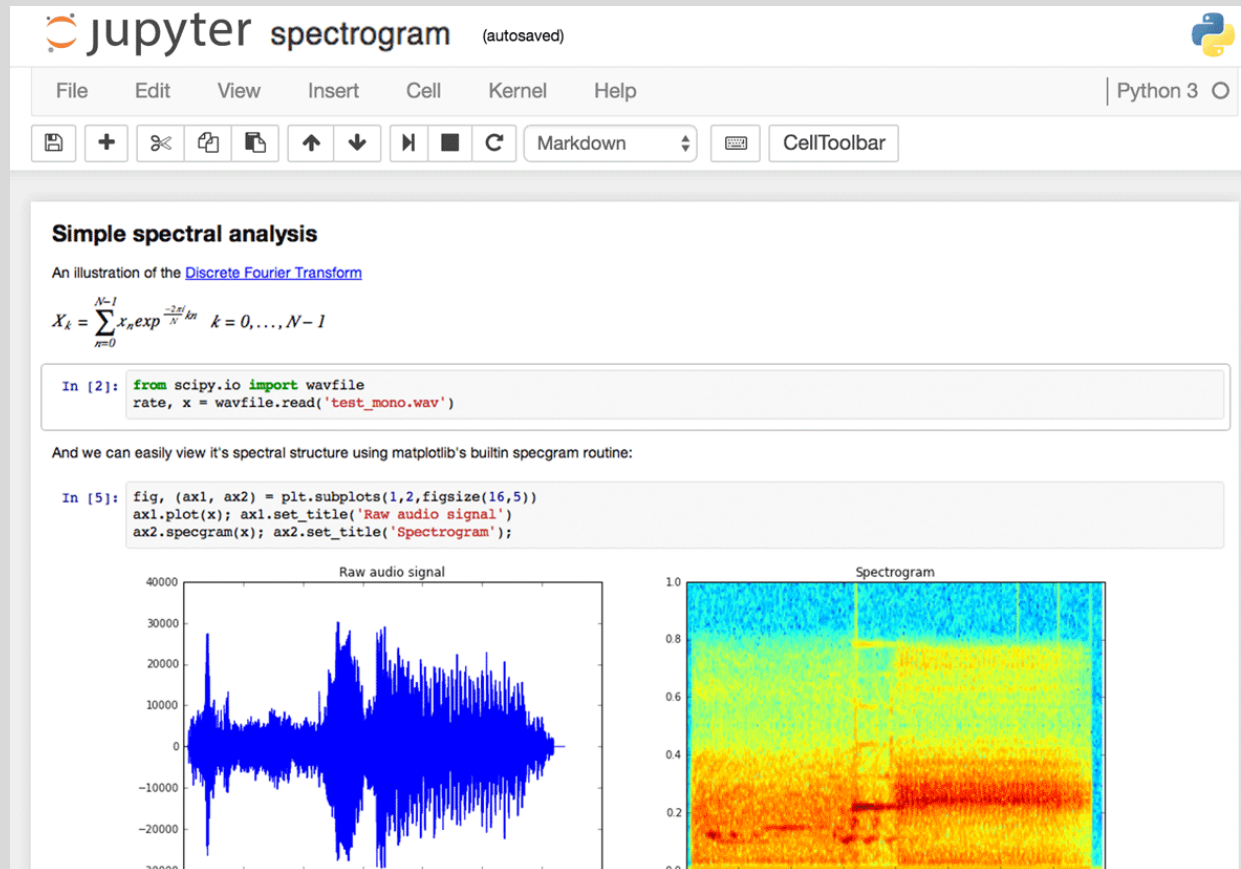
Notebooks, data,  
storage, compute



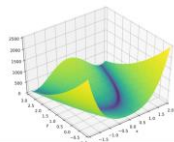
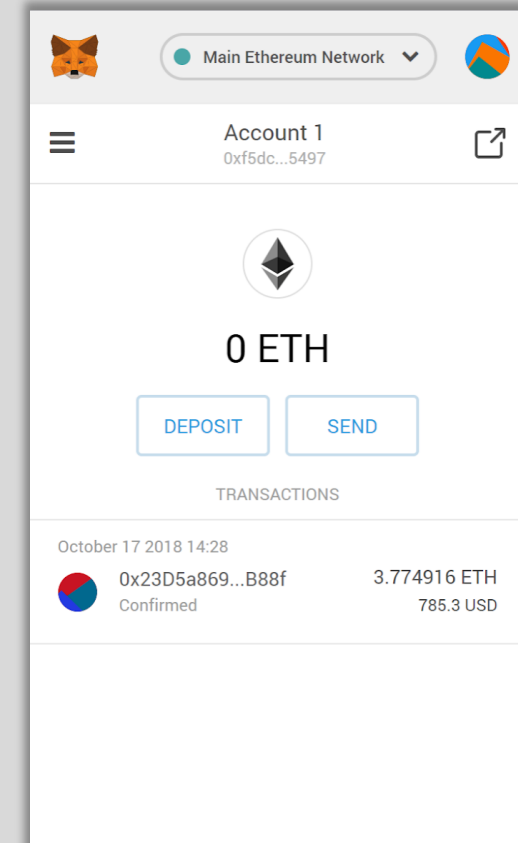
Decentralized access control, orchestration,  
registry of data / compute services




# Keep Data Science Tooling, Add Crypto



\*




# Every dataset is an asset. Every Jupyter notebook is an asset (!)

Ocean ▶ KillTheHumans5 DatasetsViewLogin

## Marketplace KillTheHumans

KillTheHumans is a marketplace for datasets and Jupyter notebooks. In order to eradicate piracy, all data must be input into the system using version 2.8.0.

1	Dataset 78XcYT9 Laser Target Practice Exercises	Publisher Name: LazerDrone Ltd. Date Published: 03-08-2019
2	Dataset 87ertHG Facial Recognition Data	Publisher Name: VoyeurDrone Inc. Date Published: 20-06-2018
3	Dataset 000x567 Thermal Sensor Data	Publisher Name: Predator Movement Date Published: 31-09-2022
4	Dataset 96zERC Human Locations based on IP	Publisher Name: SkyNet Date Published: 09-11-2020
5	Dataset 254phyY Human Biological Weaknesses	Publisher Name: The Overmind Date Published: 28-06-2016
6	Add your dataset here ... and become a publisher	

7845.12 OCN11 Datasets1 OCN = 0.12 ETHDiminator

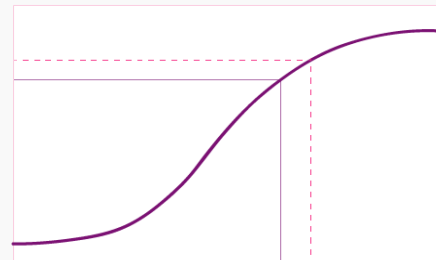
### My Token Assets

NTT	102.10	KIO	55.00
RED	0.45	OSC	0.80
INT	45.38	IOX	1.00
ZAP	10.00	BAR	4523.12
NTT	100.00	URD	200.00
AAC	22.45		

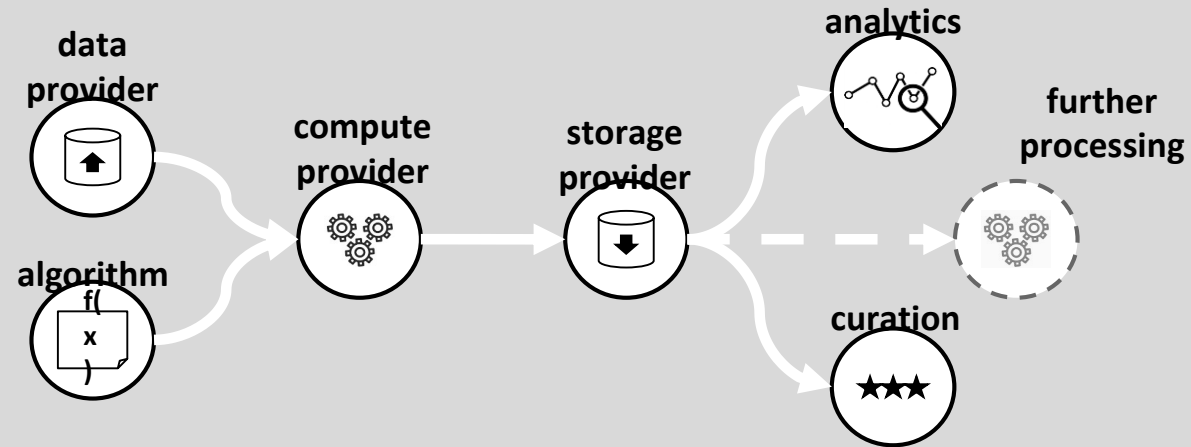
### My Dataset Portfolio

02	Dataset 0XhjijkA	▲ +1.8%	4.23k NTT	42.10 OCN
10	Dataset 0XhjijkA	▼ -0.5%	2.47k RED	01.10 OCN
04	Dataset qfij875	▲ +2.1%	5.89k INT	30.10 OCN
08	Dataset x00C475	▲ +5.2%	0.20k ZAP	42.10 OCN
02	Dataset 0XhjijkA	▼ -1.8%	4.23k NTT	40.10 OCN
07	Dataset 78XcYT9	▲ +4.5%	2.99k AAC	9.20 OCN
02	Dataset euyijC88	▲ +1.8%	4.23k KIO	38.26 OCN
10	Dataset 78eyujP	▼ -4.6%	0.45k OSC	42.10 OCN
19	Dataset 0XhjijkA	▼ -2.3%	4.23k IOX	22.47 OCN
22	Dataset AA854cv	▲ +0.4%	6.01k BAR	42.10 OCN
03	Dataset 0XhjijkA	▲ +1.8%	8.23k URD	10.24 OCN


### Dataset Selection and Token Supply vs Cost

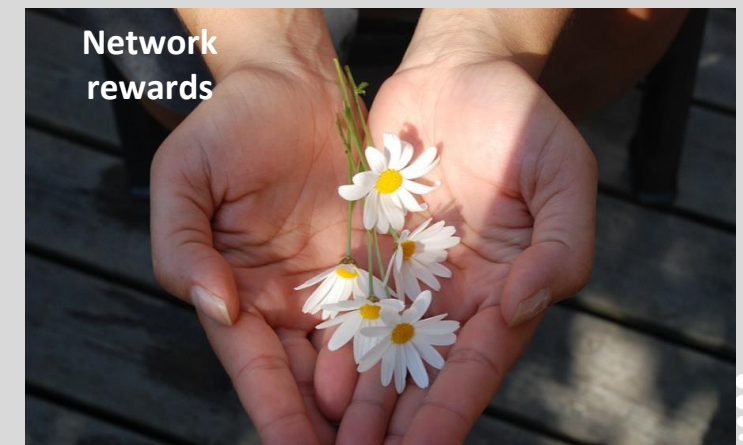
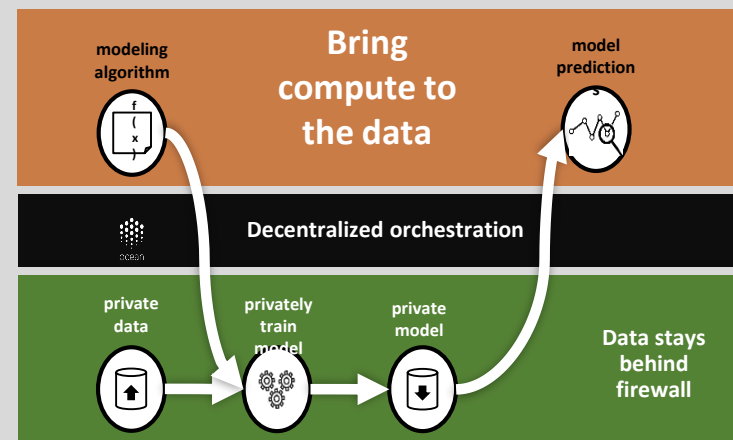
Dataset 78XcYT9	Marketplace #Name	Ranking 7
		
▲ +4.5%		
Current 9.20 OCN 2.99k AAC		
Future 9.25 OCN 3.04k AAC		
<input type="text" value="+5.80"/> Invest (+) or Withdraw (-)		
<button>Confirm Transaction</button>		

# Decentralized Orchestration (& surrounding tooling) Powers the Ways To Supply Data

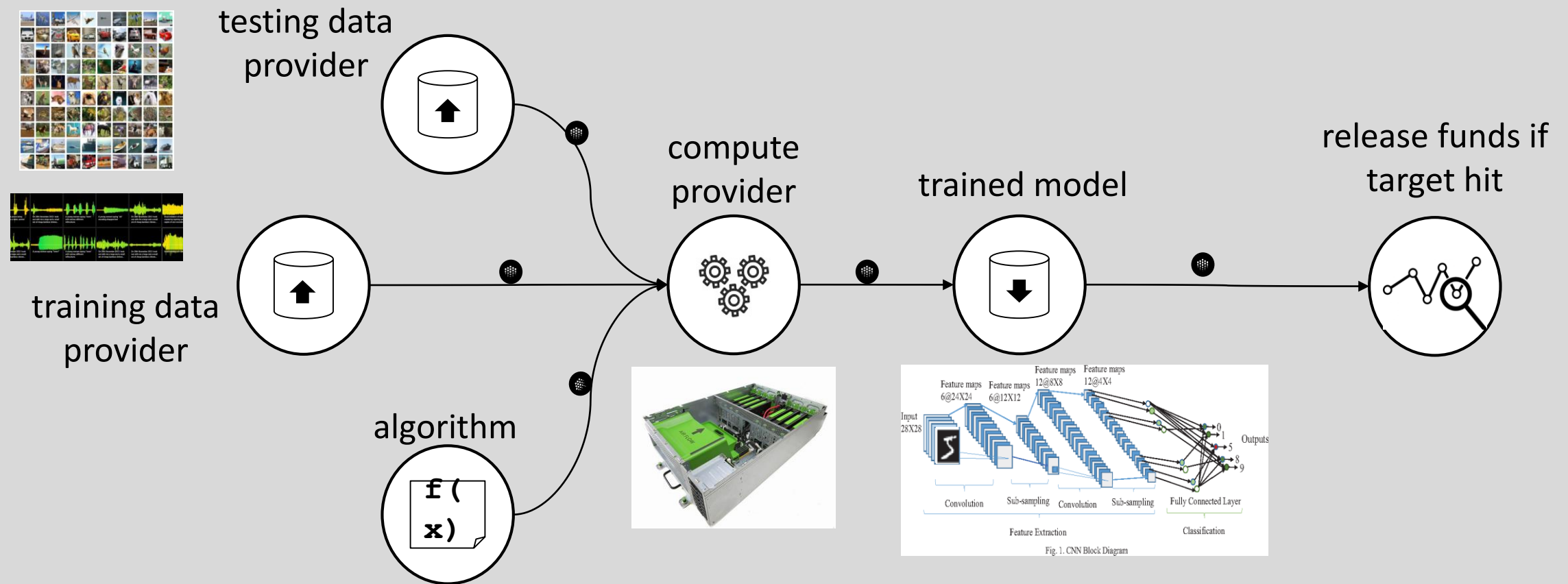


Have data	Have AI (Want data)	Have data	Have data	Have AI (Want data)
Have AI (Want data)	Have data	Have AI (Want data)	Have AI (Want data)	Have data
Data marketplace	DM	Data commons	DC	Data Science Tools
DM	DM	DC	DC	DST
DM	DM	DC	DC	DST
DM	DM	DC	DC	DST

 Substrate for a data economy



# Decentralized Orchestration for Kaggle-Style Competitions, without Privacy Worries







# Manta Ray

## Data Science powered by Ocean Protocol

The **Manta Ray** notebooks provide a guided tour of Ocean Protocol in an interactive Jupyter Notebook environment. Start using Ocean Protocol with your own pre-configured and loaded cloud instance after login with your GitHub account.

**This project is in alpha!** Feel free to ask questions and post bug reports in [our Gitter channel](#). Notebooks are for tutorial and demonstration purpose only. Notebook instances may be periodically offline, and storage volumes will be purged.

JupyterLab Instance



