



Ocean Protocol

**A decentralized data exchange protocol to power AI
and activate a new Data Economy**

DATA IS THE DIFFERENTIATOR

“The invention of deep learning means that we are moving from the age of expertise to the **age of data**. Training successful deep-learning algorithms requires computing power, technical talent, and **lots of data**. But of those three, it is the volume of **data** that will be **the most important going forward...**”

Kai-Fu Lee, [AI Superpowers](#)





PROBLEM STATEMENT

There is a lack of accessible data in the world

Data is hoarded and silo'ed...

Data is silo'ed
everywhere - it's been
designed to be locked
up and not shared,

Few companies are able
to leverage their data for
AI and advanced
research

160 ZB of data by 2025 - a
10x increase from 2016.

Yet only 3% of companies say that they have
access to excellent data - Forbes

...leaving untold trillions in value unrealized

American corporations will spend **over \$19 billion** this year to buy consumer data

Data Analytics market will be \$190 B this year,

IBM CEO claims a potential **\$2 trillion** market for “cognitive computing”

AI market will reach \$70B in 2020

Forrester Research claims “Cognitive computing technologies” will be worth **\$1.2 trillion** by 2020.



ORGANIZATIONS ARE FACING THE FOLLOWING PROBLEMS



CAN'T SHARE THEIR DATA

Due to security, privacy or regulation



WANT TO ACT ON THEIR DATA

A lot of data is just sitting there, getting stale



CAN'T KEEP STAR DATA SCIENTISTS

Google, Facebook, Amazon all lure them away



CAN'T GET THE DATA THEY NEED

Valuable data is locked and hidden inside organizations



WANT TO WORK ON CHALLENGING PROBLEMS

Hence the success of initiatives like Kaggle, Jupyter and open learning sites

A large, vibrant, multi-colored jellyfish-like structure, possibly representing data or a complex problem. It has a yellow and orange top section with many thin, purple and red tentacles extending downwards. The background is dark blue.

**DATA
SCIENTISTS
ARE FACING
THE FOLLOWING
PROBLEMS**

SOLUTION

**A substrate for data and AI services
to power a new Data Economy**



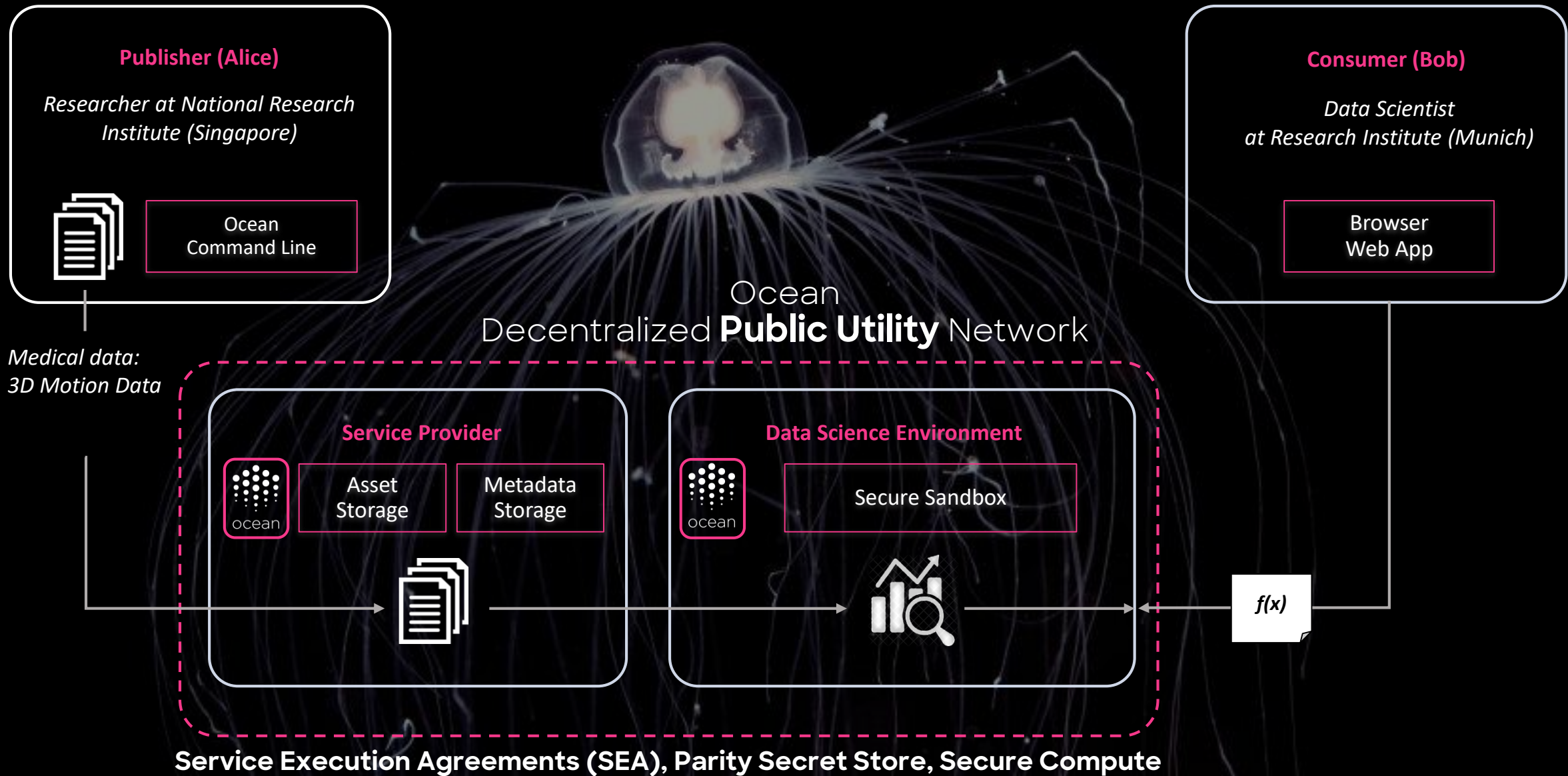
An underwater scene with several jellyfish swimming in a dark blue, slightly hazy environment. The jellyfish are illuminated from above, creating a soft glow. The background is dark, with some faint light filtering through the water.

Ocean Protocol

Ocean is a blockchain based, decentralized data sharing technology that guarantees control, auditability, transparency, and compliance.

- decentralized **data exchange protocol**
- allows data to be shared and transferred in a **safe secure** and **transparent** manner
- decentralized platform and network **connecting** providers and consumers of valuable data
- **open access** for developers to build services on Ocean.

HOW DOES OCEAN PROTOCOL WORK?





Integration with existing best-in-class data science tools such as Jupyter, sci-kit learn, Anaconda, etc., to win data scientists and make data easy to share

Work closely with leading state-of-the-art blockchain projects like Parity, EWF, Enigma, Chainlink, SingularityNet, to leverage their technical advances

Collaborate with enterprises, starting in the Singapore sandboxes to attract data science communities, academics and start-ups. Signed: Roche, Unilever, MUFG

Work closely with marketplace partners like VERV, Weeve, ConnectedLife, consortia like MODI and TrustedIoT

Work closely with NGOs and governments to unlock public data, with the rallying point of the UN Sustainability Development Goals - Signed: GrowAsia, NextBillion, AI for Good

Set up prizes to kick-start enthusiasm and focus the energy of the community, with X-Prize and MOBI

STRATEGY

STRATEGY

Sailor's Manifest (Timeline 2018 – Q1/2019)



Stockpiling Provisions

Manning the crew

Mapping the course

Planning the Journey

Commissioning the Voyage

Framing the Hull

Raising the Masts

Open Water Trials

Pirates!

1st Port-of-Call



Jan-Feb '18

Mar '18

Jul '18

Aug '18

Nov '18

Feb '19

Mar '19

Whitepaper (Biz & Tech) Releases

Whitelisting & Public Pre-Launch

All hands on deck

Plankton Release (TestNet v1)

Trilobite Release (TestNet v2) & Security Hardening (Ironclad)

Ironclad Updates Completed

Tethys Release (Network Launch)

Ocean Token

[Business Whitepaper](#), [Token Distribution](#), [Tokenomics](#)

Product

V0.2 “Trilobite” [Blog](#) – Service Execution Agreements ([1](#), [2](#)), [Secure Compute](#) and [Access Control](#)

Collaborations

[X-Prize](#), [Enigma](#), [Mattereum](#), [NextBillion](#), [SingularityNet](#), [Government of Singapore](#), [AI for Good \(UN\)](#), [fitchain](#)

Code

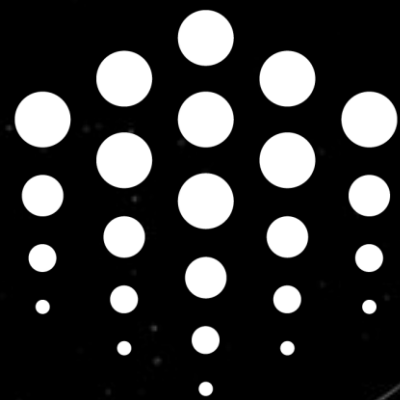
Github Repos [Main Page](#), [Enhancement Proposals](#), [Milestones](#), [Business Board](#), [Gitter](#)

Investment Thesis

[Outlier Ventures](#), [Fabric Ventures](#), [BIV](#)

Channels

[Intro Video](#), [Telegram](#), [Twitter](#), [LinkedIn](#), [YouTube](#)



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