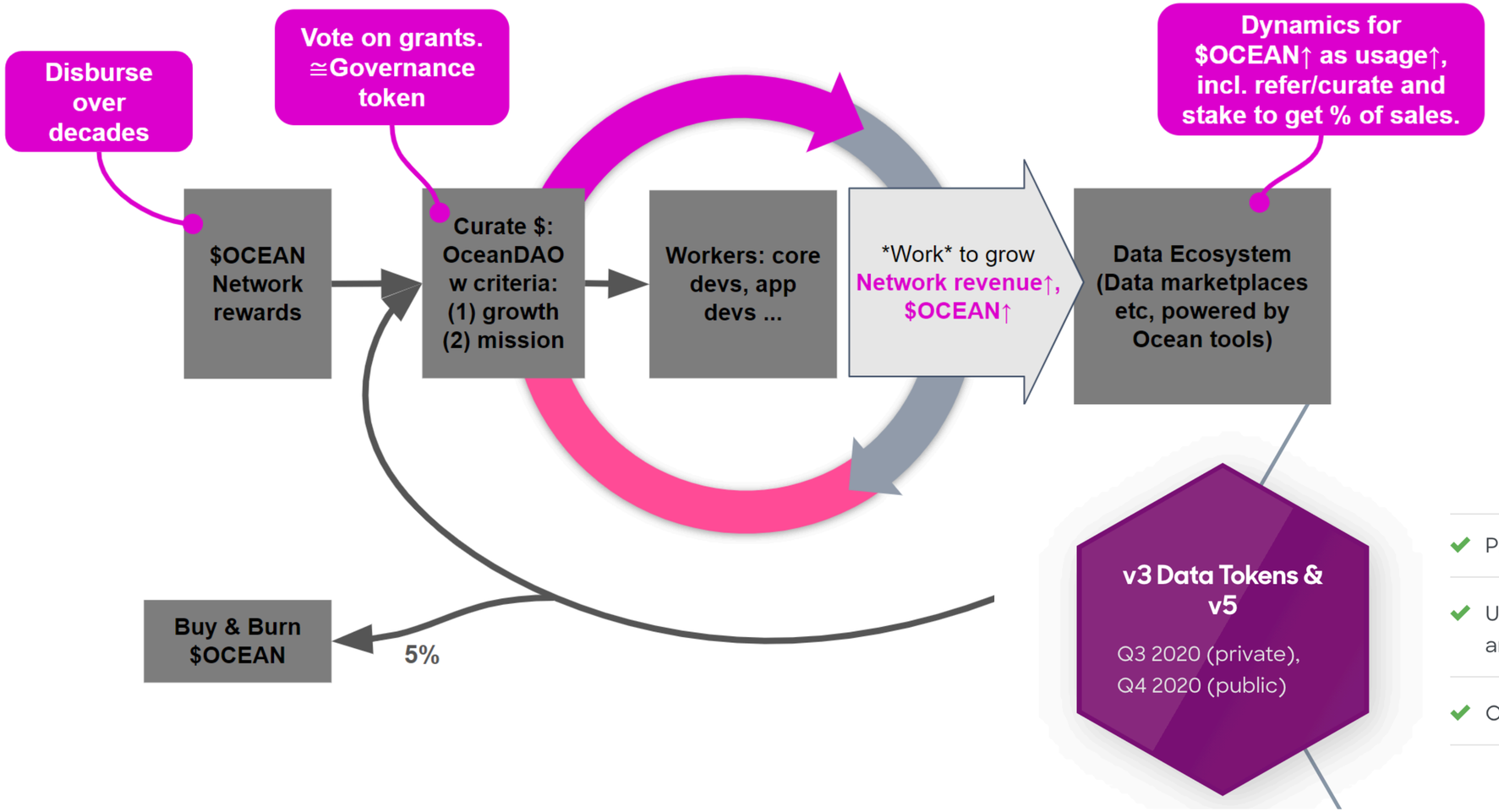
Curation models

features enhancing Ocean Market

@Santiago @Marc

Sustainability Loop

& Ocean Roadmap



System **Dynamics**

- #Ocean, #usage
- Refer/**Curate**
- Stake

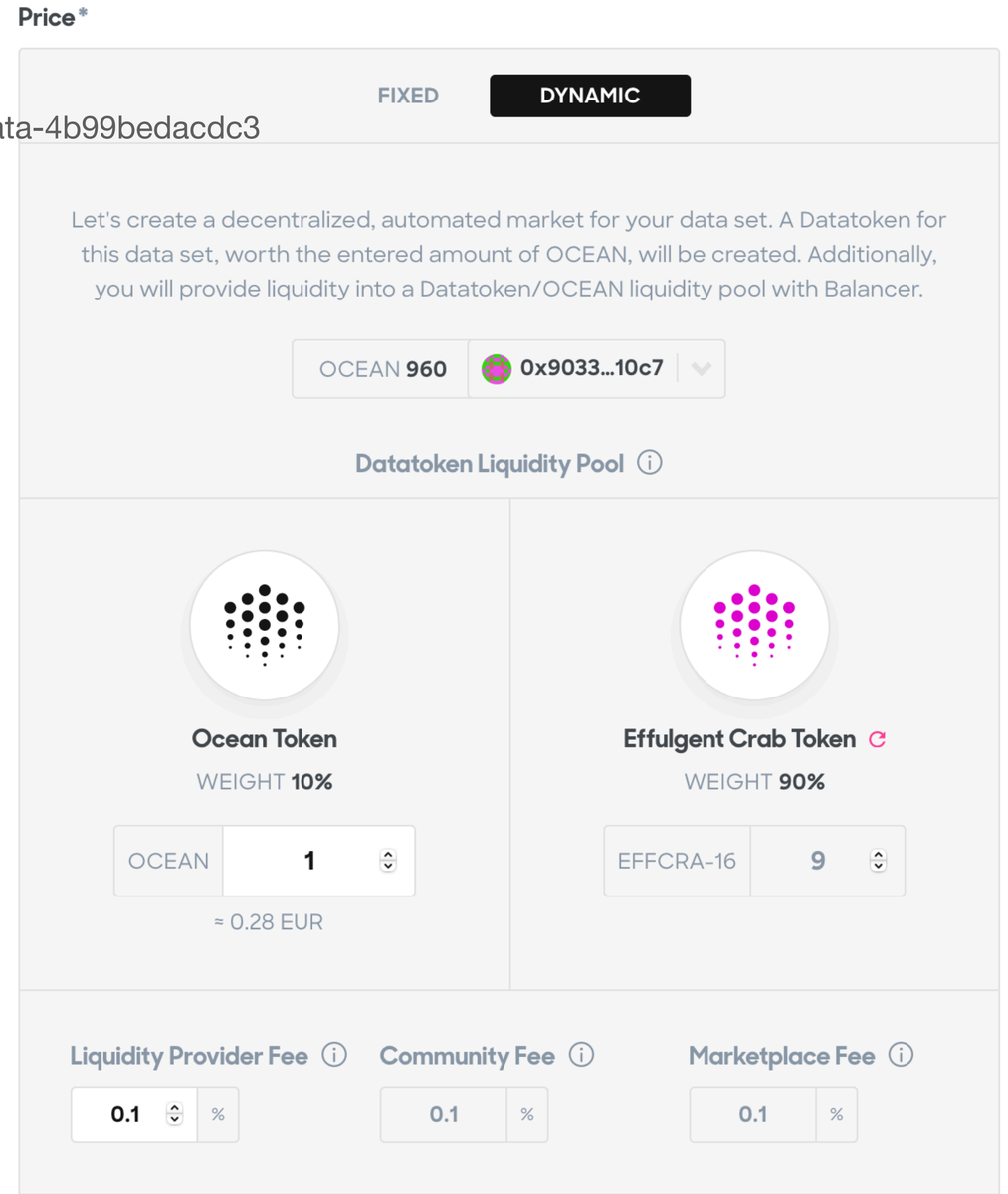
- ✔ Platform refactored for simplicity featuring datatokens
- ✔ Updated token design in smart contracts and marketplac and staking (v3)
- ✔ On a permissionless substrate (v5)

How to Refer, Curate & Stake?

Featuring Ocean's DataToken model

https://blog.oceanprotocol.com/ocean-market-an-open-source-community-marketplace-for-data-4b99bedacdc3

- OCEAN **staking** is the act of **adding liquidity** to a datatoken-OCEAN pool.
  - AMM: staking = liquidity provisioning
- Ocean data **curation** is the act of **adding / removing liquidity** in a datatoken-OCEAN pool
  - Liquidity = proxy to data quality
- **But** maybe this is too simple a definition of curation?
  - Paragraph "Differentiation" in blogpost gives some hints



Research questions

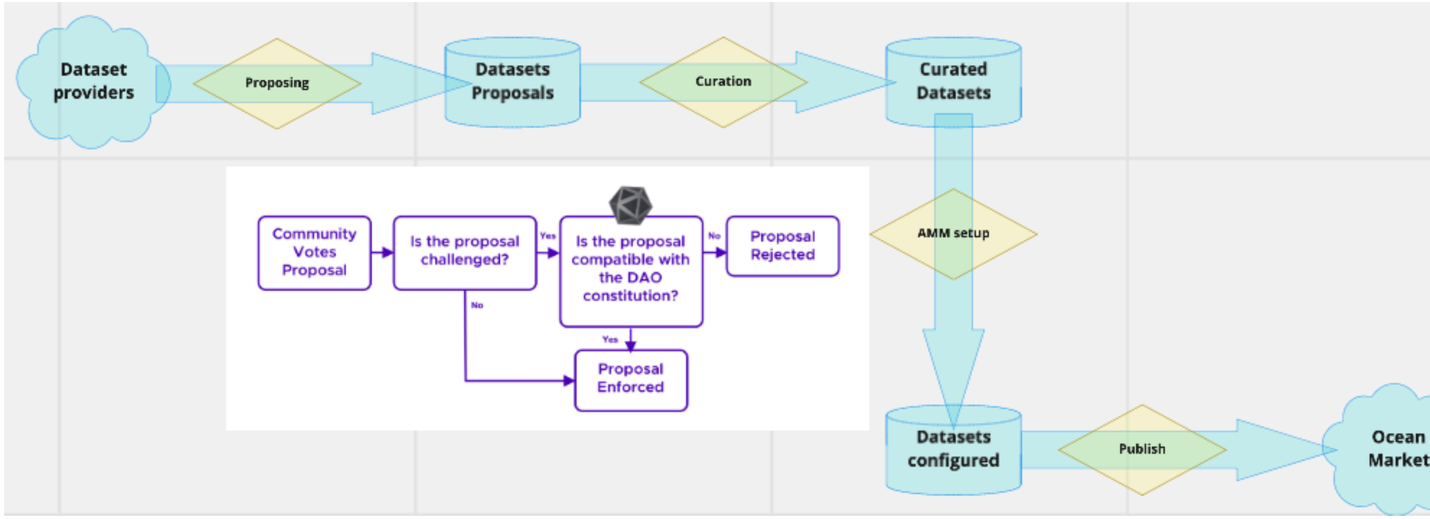
On Curation of Ocean Market datasets

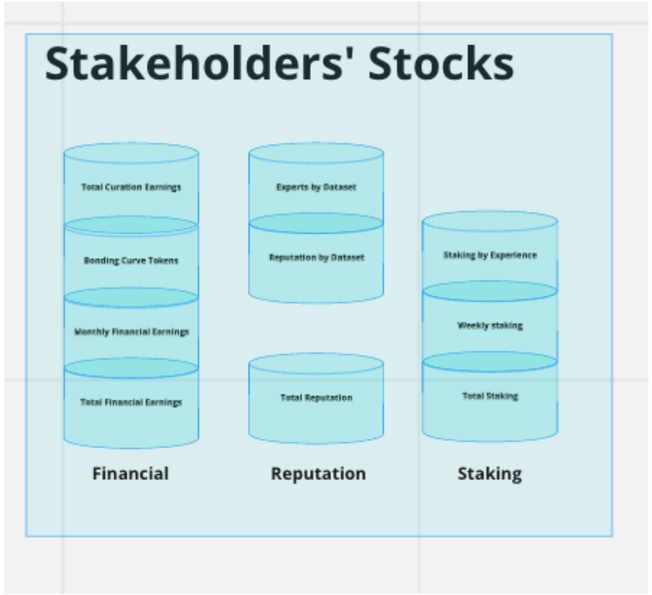
- Should we enhance the act of curation?
  - Using TCR & Commons Stack components leveraging expert curators
- Should we govern the dataset publishing procedure by wisdom of the crowds?
  - Using decentralized governance models like Kleros
- How can we leverage DeFi tools for the act of curation?
  - Combine several emerging standards to enhance curation and quality of datasets (other DEXes, Dataset Indexes - “DataPowerPool”)

System Requirements

for cadCAD simulation

- Model should analyse the impact of different curation setups on the quality and usage of datasets in Ocean Market
  - How will the usage of Ocean Market evolve with different curation parameters?
  - What is the average quality of datasets with respect to curation parameters?
- System mapping: causal loop diagram
  - Base model of Ocean Datatoken (AMM-staking)
  - Influence of TCR and Governance components
- Stocks & Flow
  - Differential specification with randomness in datasets proposals
  - (Ir)rational stakeholder agent modeling



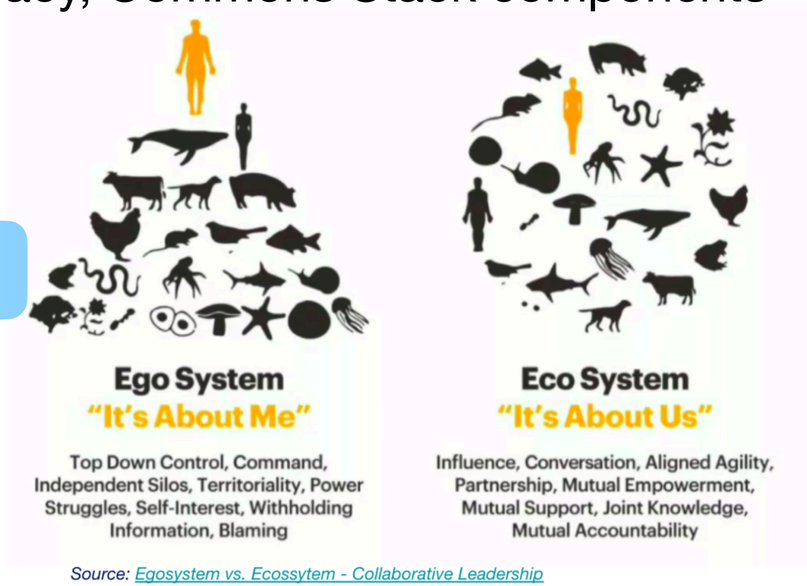


cadCAD simulation components

Entities & Relations

- Entities
  - Agents: Provider, Consumer, Curator, Staker
  - Core: Proposal, Dataset, AMM
  - Utilities: Network, Market, Democracy, Commons Stack components
- Relations (Edge-entities)
  - Base: Provider-Proposal-Dataset
  - Curation: Reputation, Stake, Vote
- Parameter Sweeps
  - TBD

Structures emerge from mental models



Source: Egosystem vs. Ecossytem - Collaborative Leadership

Egosystem	Ecosystem
Centralized	Distributed
Scheduled / Their time	Real-Time / My-time
All invented inside	Invented anywhere
Owned and closed	Shared and open
Hyper-competition	Hyper-collaboration
Pyramids	Nodes
Spend and trash	Use and renew
One-way / One to many	2-way / Many to Many
Monolithic	Networked
Proprietary	Interoperable

Source: http://beyondplm.com/2012/11/30/plm-from-egosystem-to-ecosystem/