

# SUSTAINABLE GENALS







































# Q: can Al help?



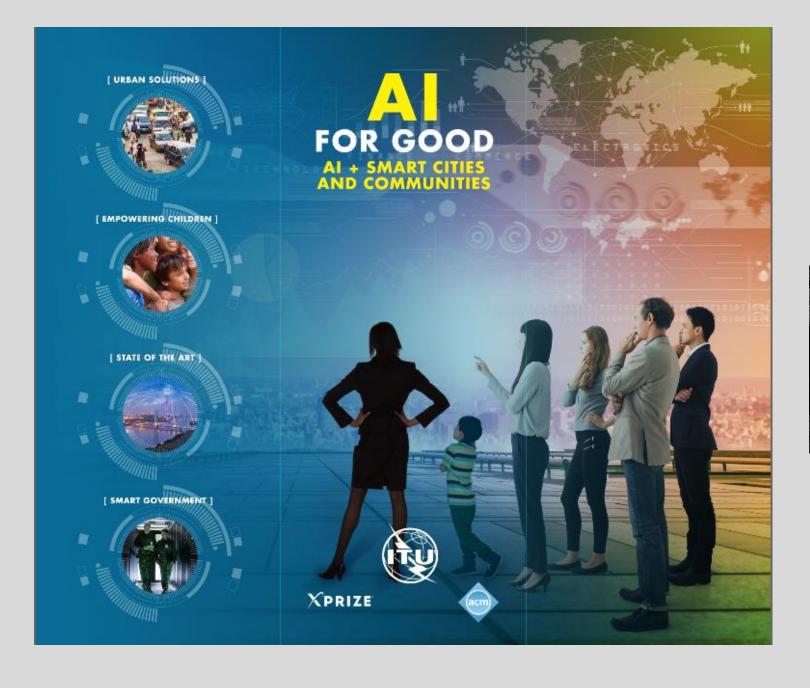


#### AI + Satellite projects









#### **AI + Smart Communities**



















































































**UNITED NATIONS** 





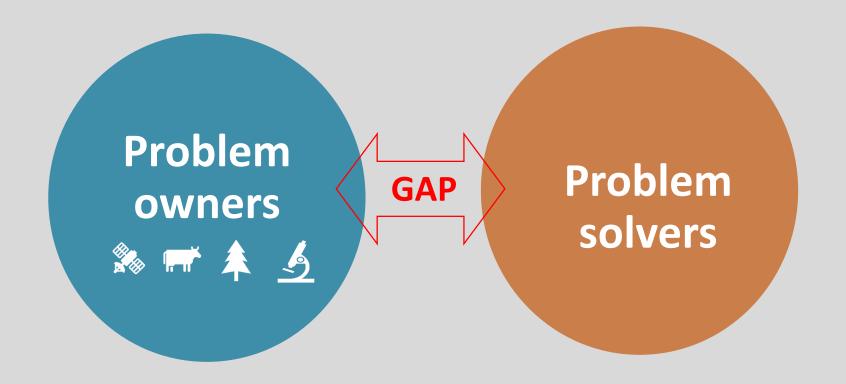
# Q: can Al help? A: Yes! #AlforGood



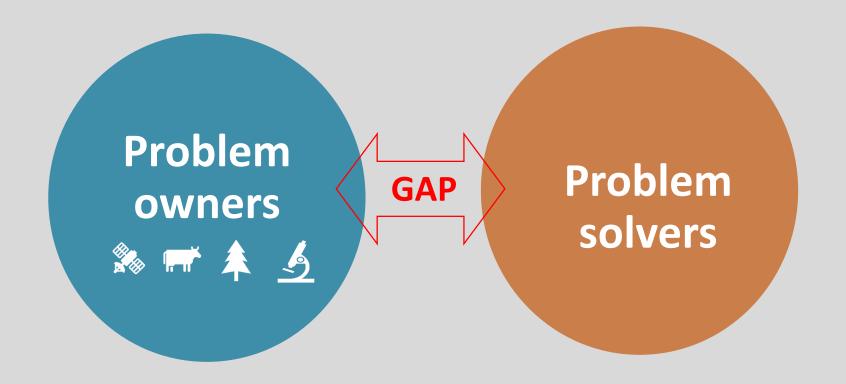


# Q: can Al help? A: Yes! #AlforGood But...



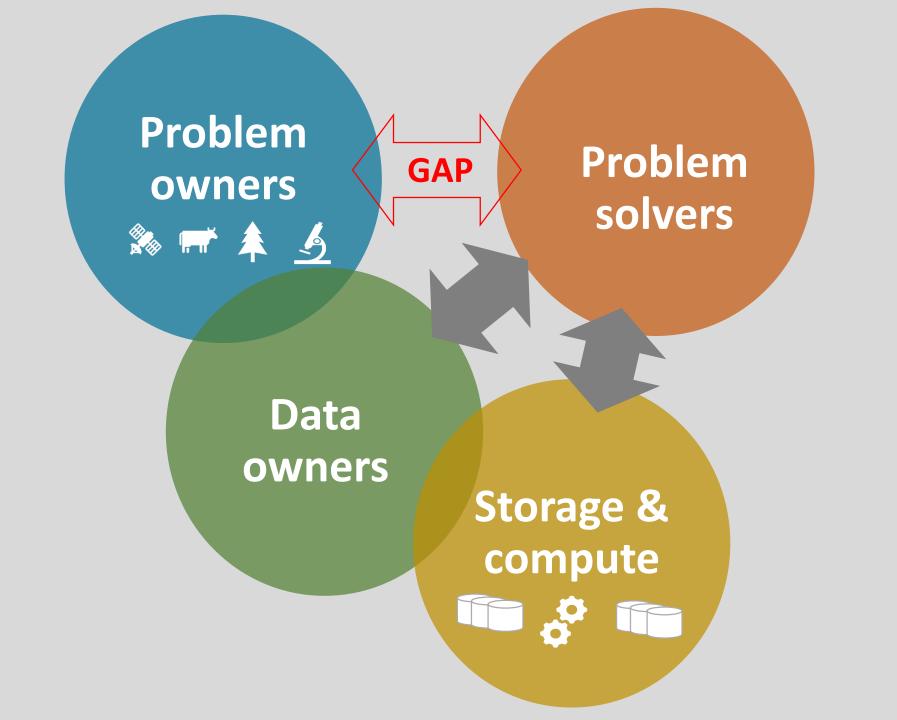
















Connective tissue: public utility network









Blockchain public utility network for the AI Commons



Data owners

Storage & compute

owners

Problem owners

solvers

Service provider frontends
For data commons,
Storage & compute markets

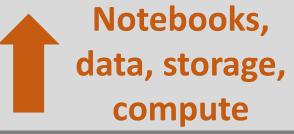
Al Commons Frontend Specify Problems

**Data science tools** 











Public utility network incentivizing data:

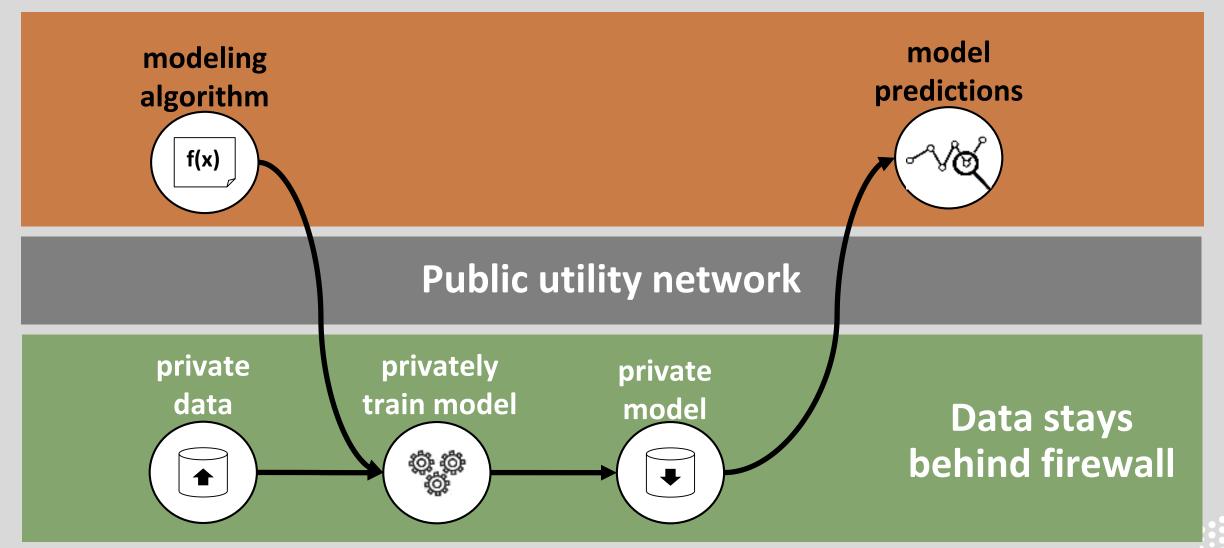
- Block rewards for data
- Privacy-preserving AI modeling

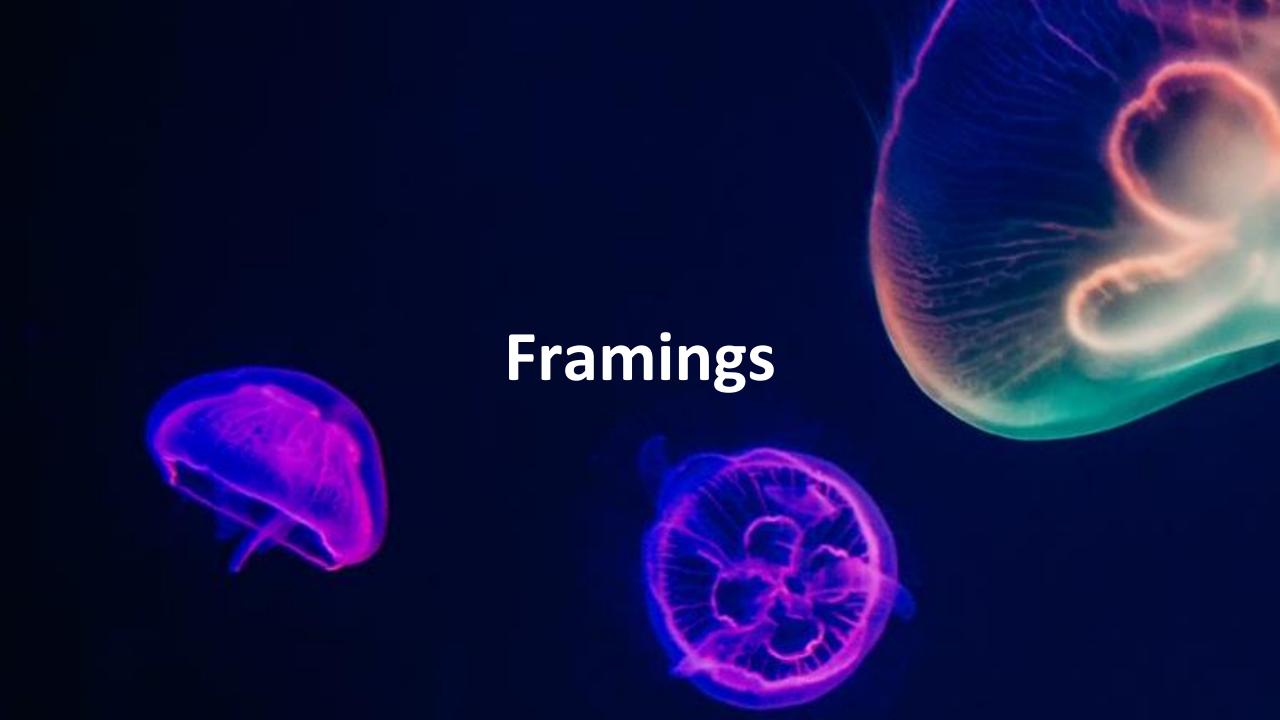
Have data	Have Al (Want data)	Have data	Have data	Have Al (Want data)
Have Al (Want data)	Have data	Have Al (Want data)	Have Al (Want data)	Have data
Data marketplace	DM	DM	DM	DM
DM	DM	DM	DM	DM
DM	DM	DM	DM	DM
DM	DM	DM	DM	DM

Catalyze the commons *and* profit-making, via a substrate for a thousand marketplaces to bloom.



# Preserve privacy: bring AI compute to the data





# "Al Compute Pipeline"

analytics data provider compute storage further provider provider processing ₩ ₩ ₩ algorithm curation f(x) \*\*\*



#### "Inter-Service Network"

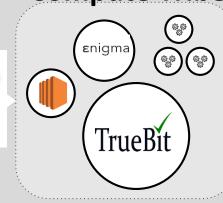
#### **Data Tribe**



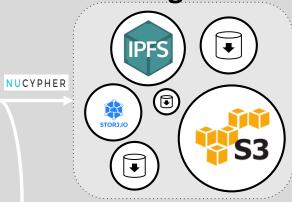
#### curation

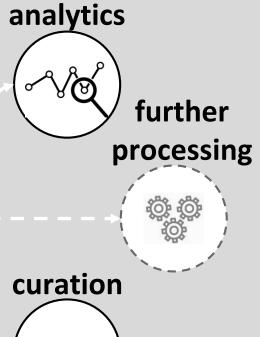


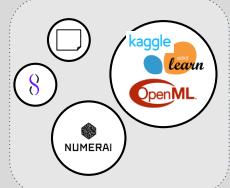
#### **Compute Tribe**



#### **Storage Tribe**







curation



curation

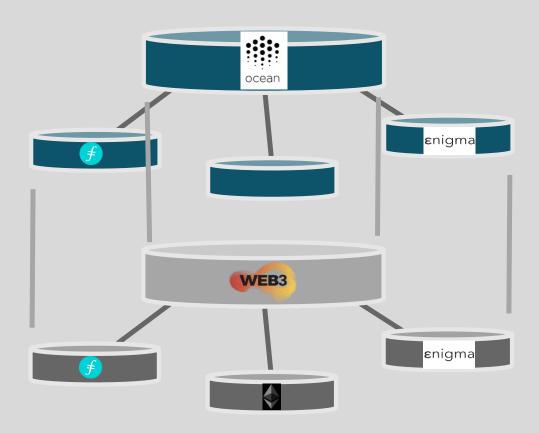




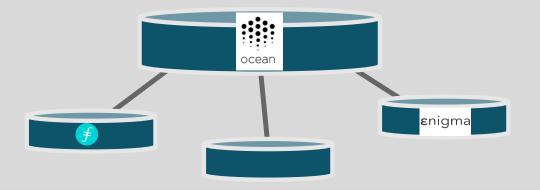


# "Network of Networks, for AI Stack"

# **Crypto perspective: Ocean is L2 on L1**



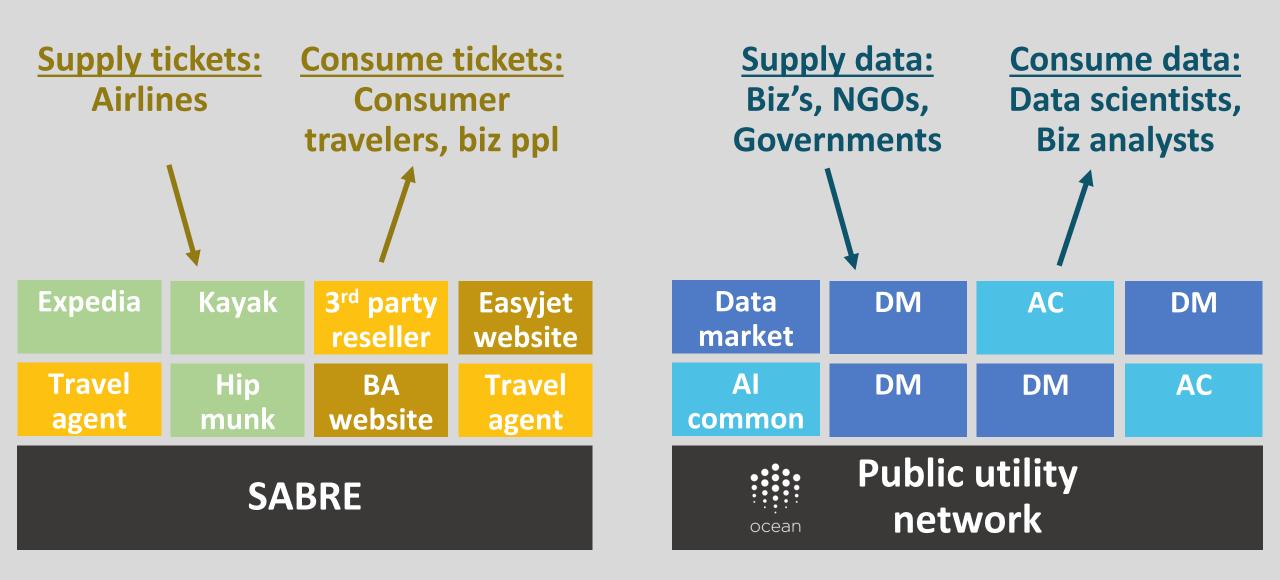
# Al perspective: Ocean is L1

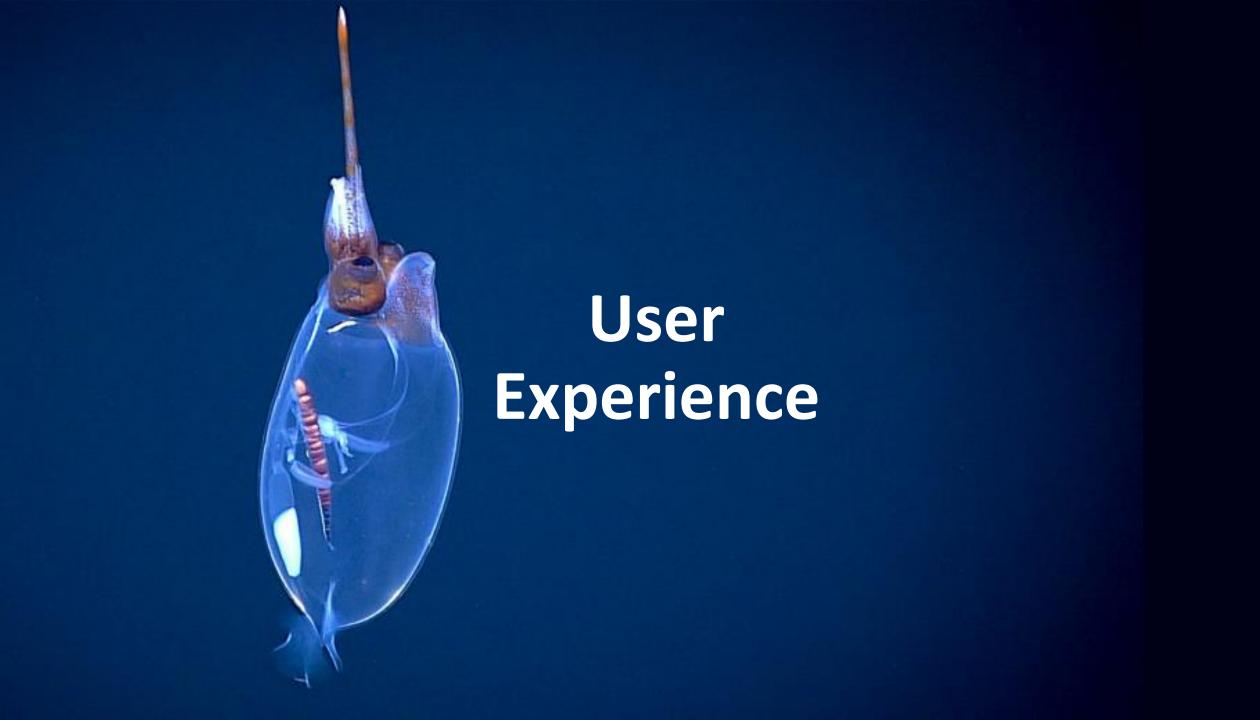




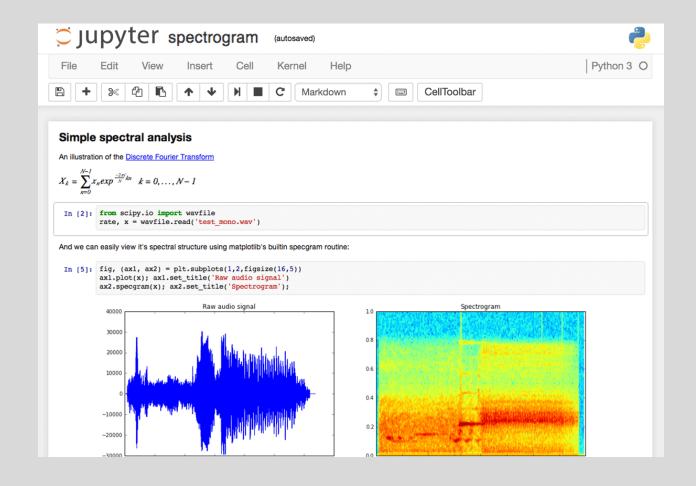
#### "SABRE for data"

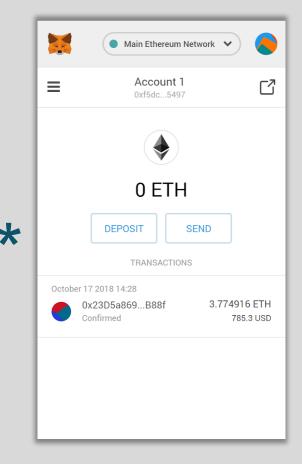
SABRE is metadata/substrate for airline tickets. Ocean, for data itself.





### Keep Data Science Tooling, Add Crypto















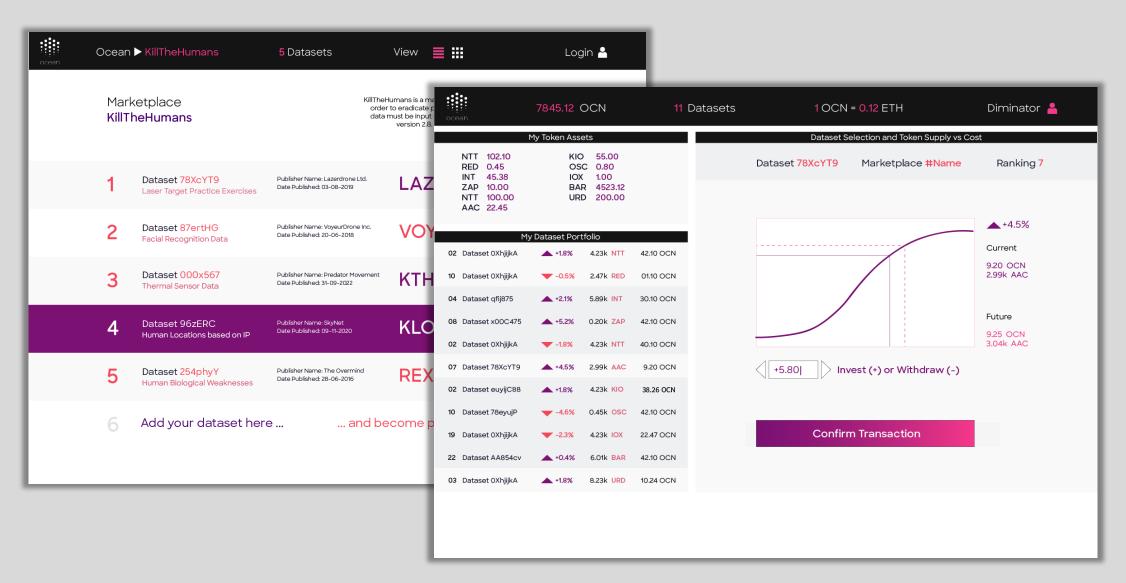








### Every dataset is an asset. Every Jupyter notebook is an asset (!)





## New powers for data scientists

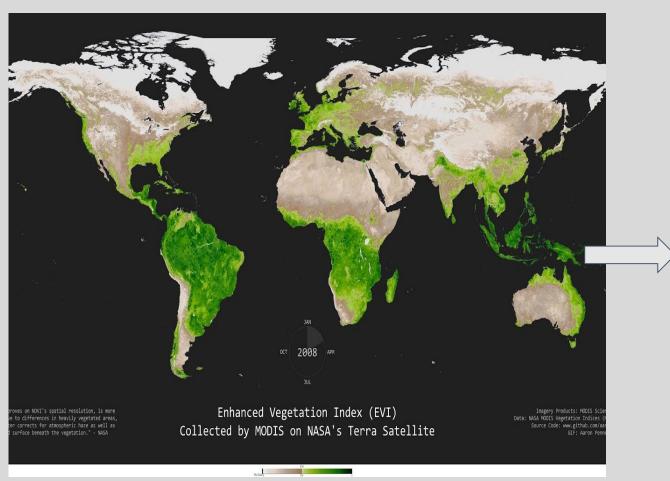
- Way more data. Data commons. Enterprise data without data escapes via on-premise compute.
- Provenance in data & Al training. Goodbye data honeypots.
- More \$. For generating data. For cleaning, labeling, feature engineering data. For algs. For curation.





#### Use case: water quality

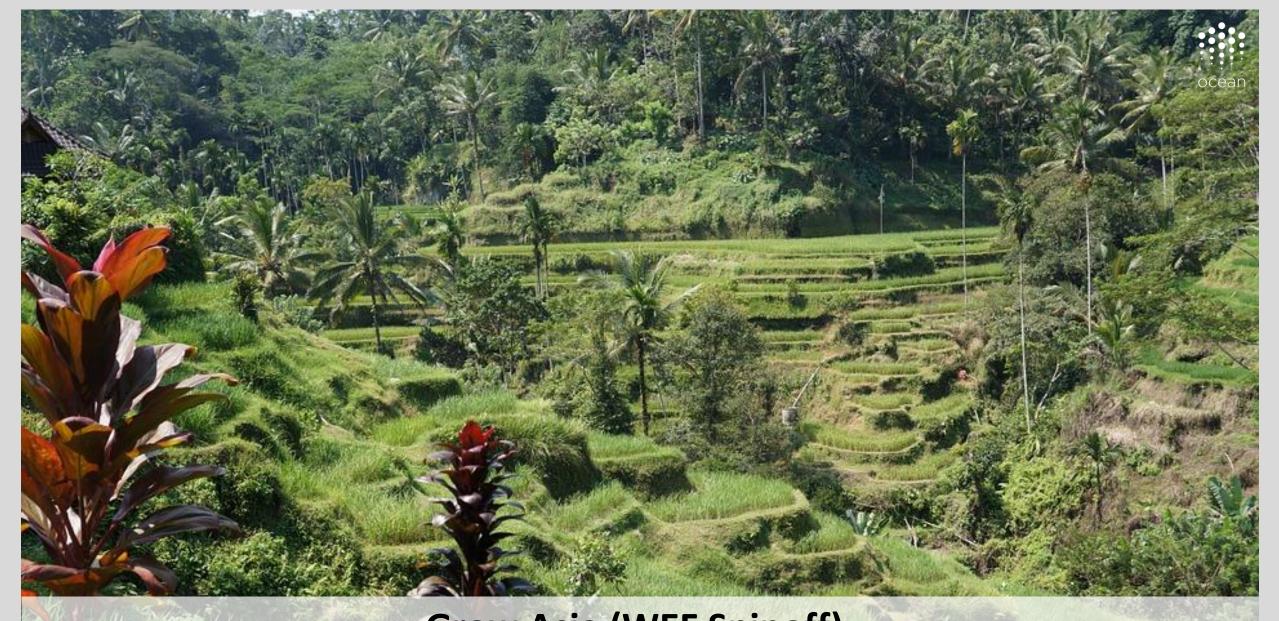
Satellite data in the commons to verify impact of forest restoration on water











Grow Asia (WEF Spinoff):
Help small farmers allocate their fertilizer better, to increase yields



Govt of Singapore Data Authorities (IMDA):

Give policymakers optionality to get benefits of Al,

while addressing privacy







On stage at World Al Summit with @xprize @FondationBotnar @SColesPorter @trentmc0 @frossi\_t announcing #Alcommons and @ITU #Aiforgood Global Summit. Big congrats to @SColesPorter and team for another amazing #wsai18!!



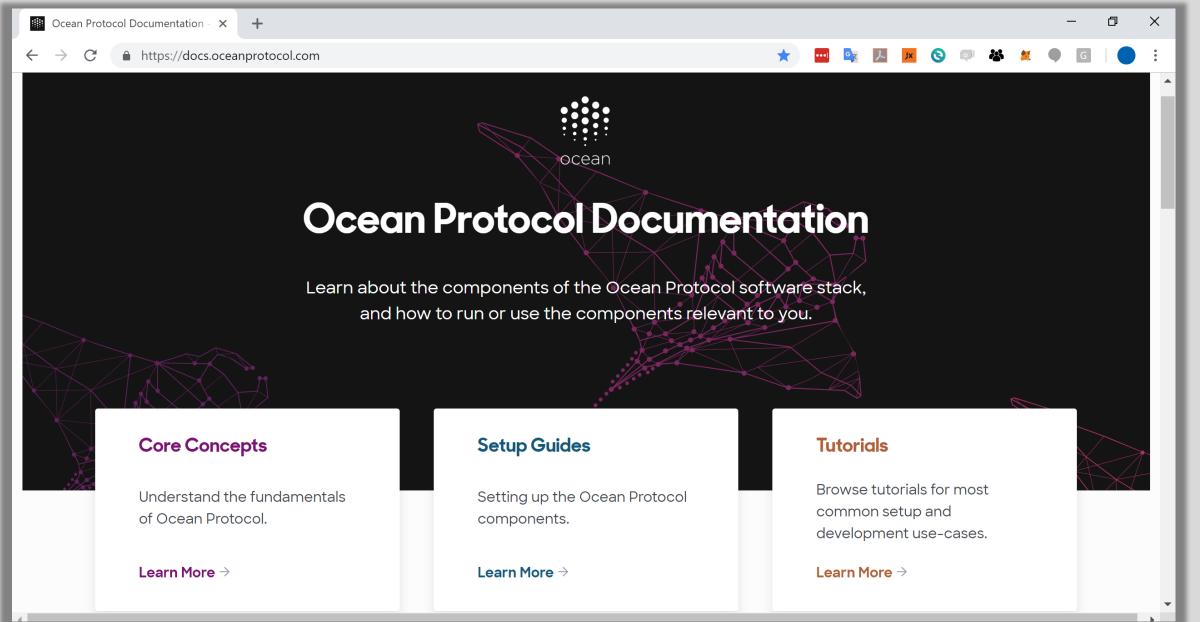
# Al Commons: 40+ UN Agencies, Al XPRIZE Using Ocean in #AlforGood







#### https://docs.oceanprotocol.com







#### https://datascience.oceanprotocol.com



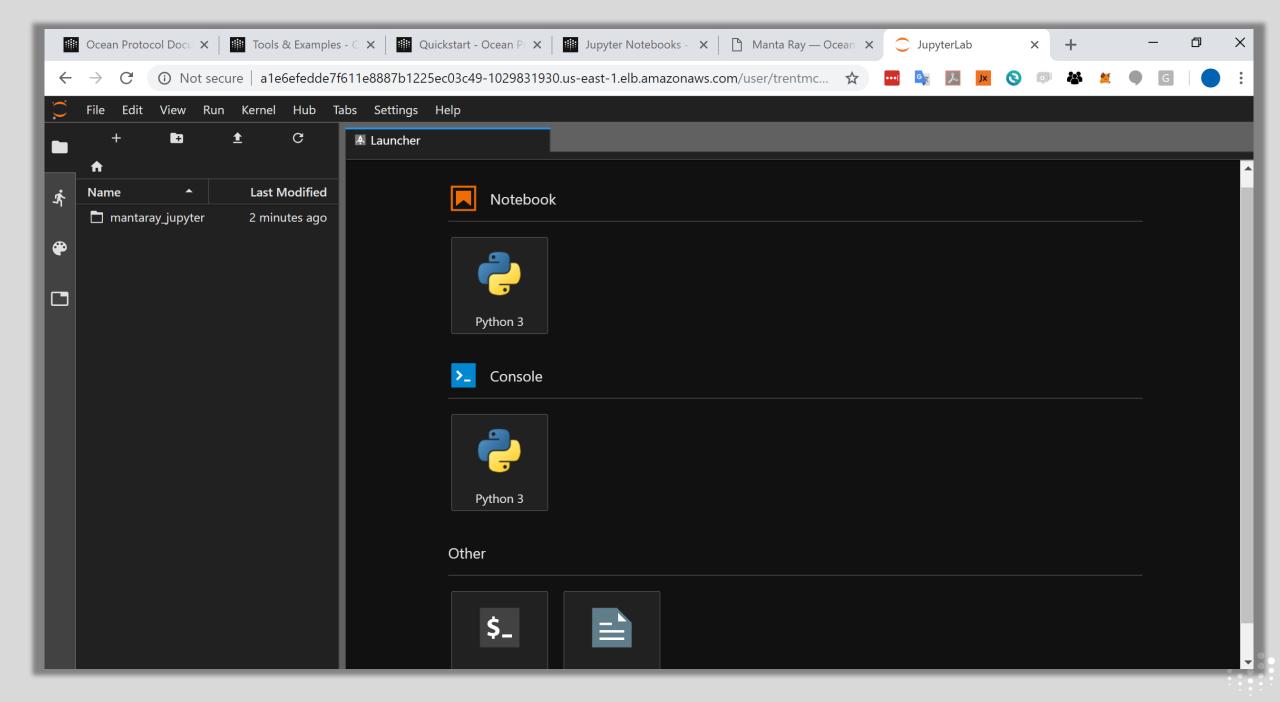
## Manta Ray

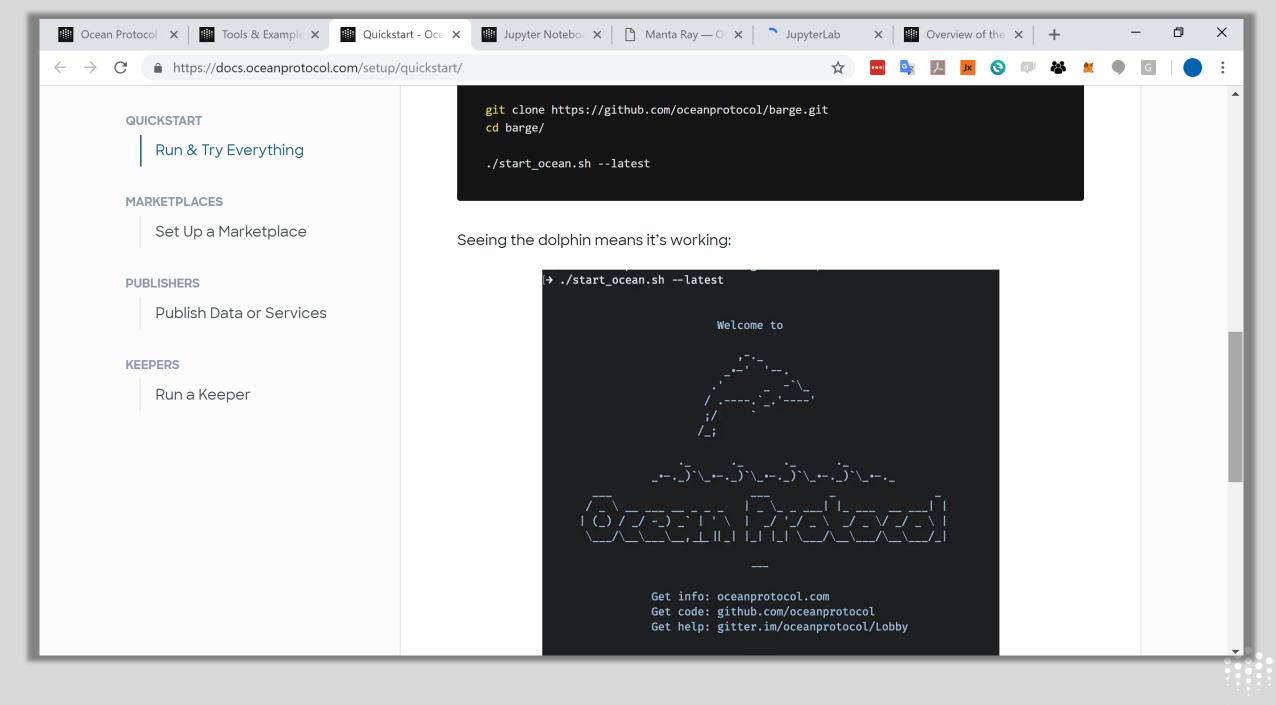
#### Data Science powered by Ocean Protocol

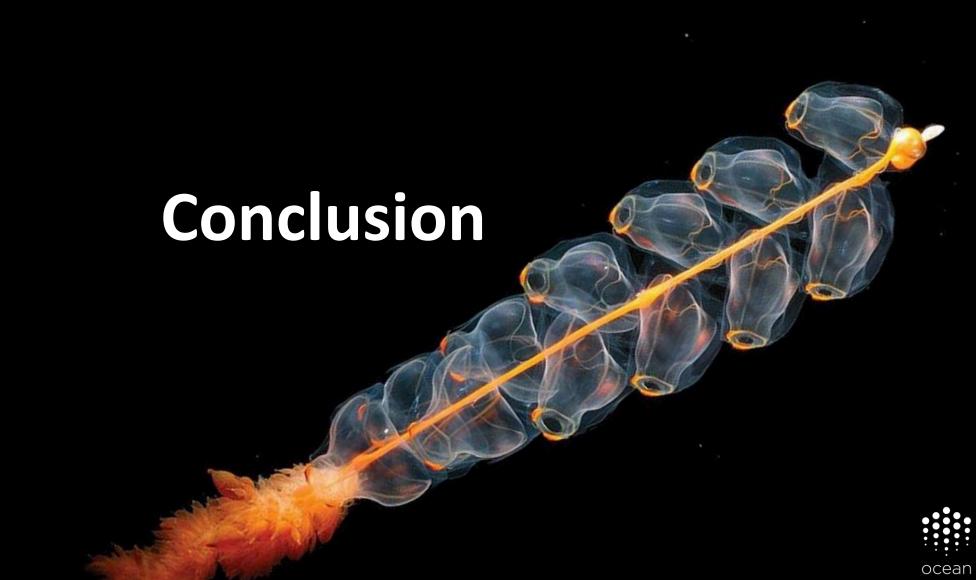
The **Manta Ray** notebooks provide a guided tour of Ocean Protocol in an interactive Jupyter Notebook environment. Start using Ocean Protocol with your own pre-configured and loaded cloud instance after login with your GitHub account.

**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









# Q: how to scale #AlforGood? A: Blockchain public utility network for the Al commons

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