

How AI & Blockchain Help the UN SDGs

Trent McConaghy
Ocean Protocol
@trentmc0

SUSTAINABLE DEVELOPMENT GOALS



Q: Can AI help?

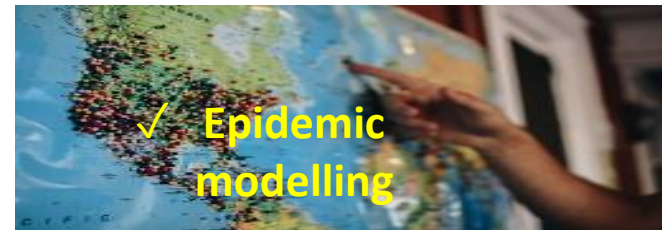


AI + Satellite projects





AI + Smart Communities



2017: AI FOR GOOD SUMMIT



XPRIZE®



United Nations
Department of Economic and
Social Affairs



unicef
for every child



UNODA
United Nations Office for
Disarmament Affairs



UNITED NATIONS
Office for Outer Space Affairs



UN DESA

Q: Can AI help?

A: Yes! #AIforGood

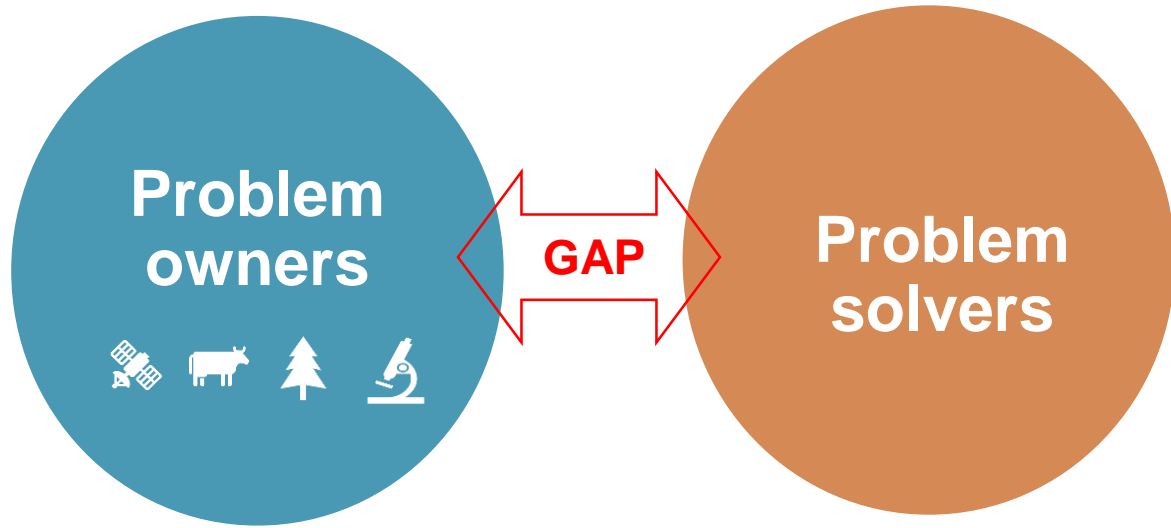
#AIforGood worked!

But...

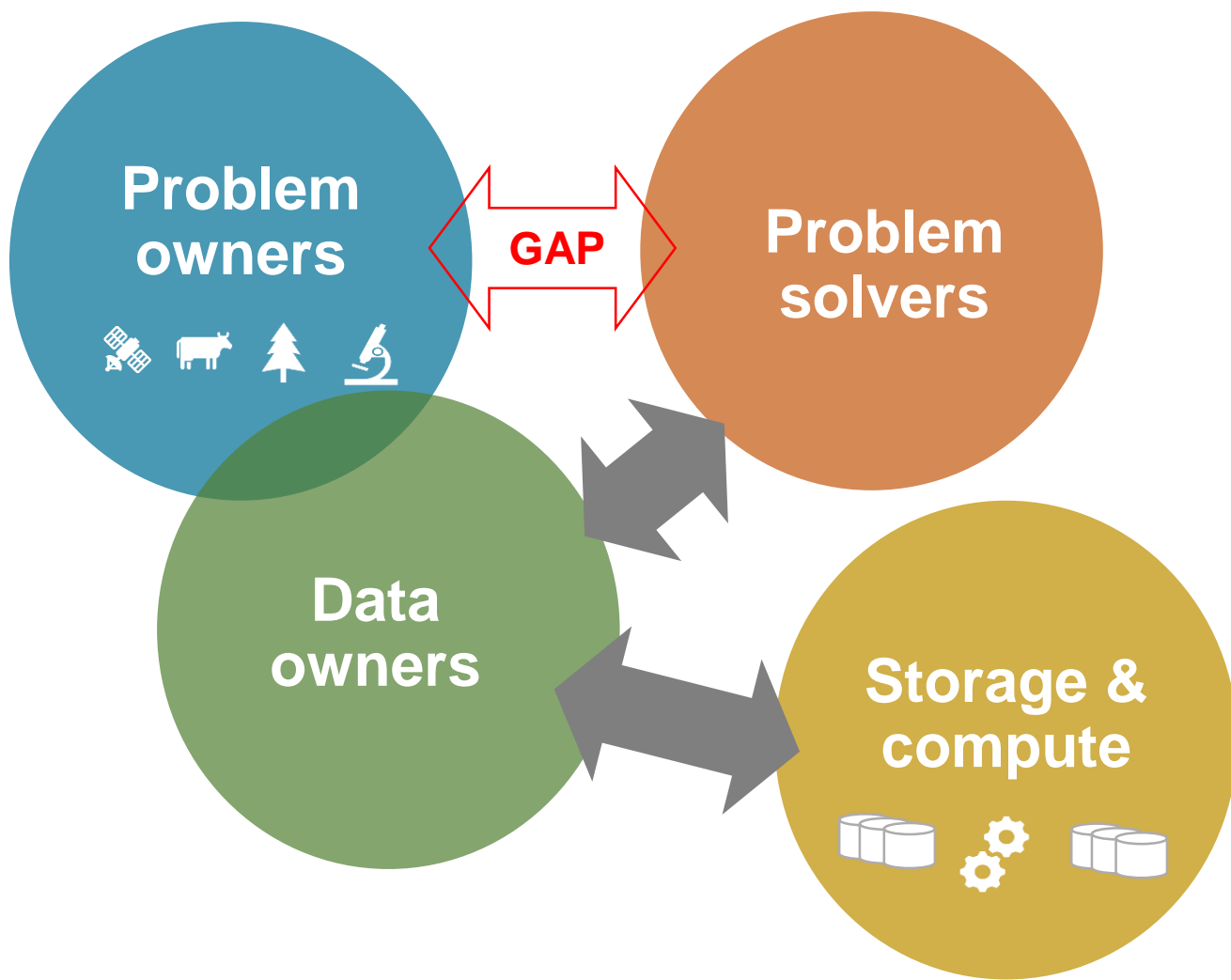
**Problem
owners**

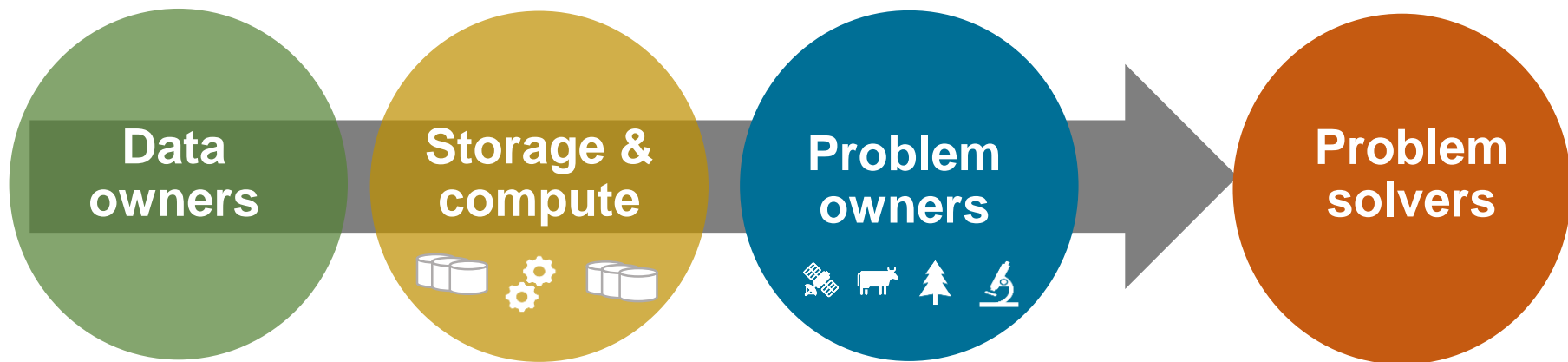


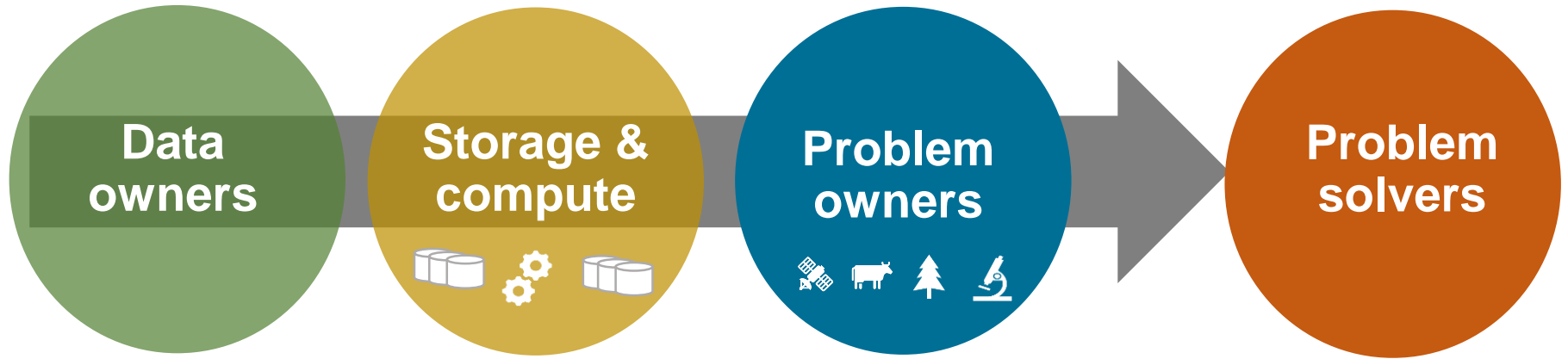
**Problem
solvers**



Q: How to *scale*
AI for Good?
(fix the gap)







Connective substrate
How? What?

Public utility networks, commons

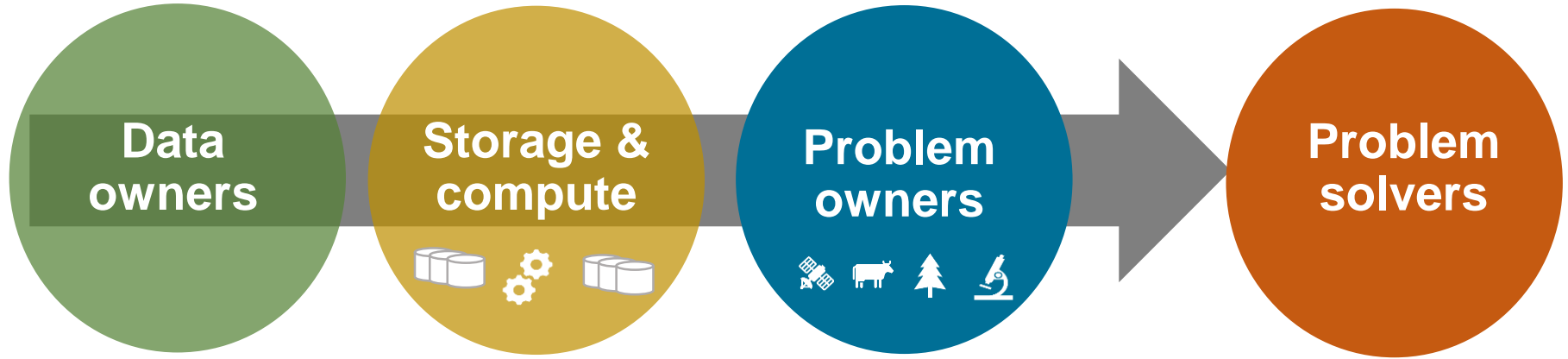


**Blockchains are public
utility networks**



About (blockchain) public utility networks

- **Decentralized** – No single entity owns or controls. Borderless. Connect local economies to global. Spreads power & benefits.
- **Sovereign Assets** – You own it if you have the key. No regime can take that from you.
- **Incentives** – e.g. “maximize supply of commons data”

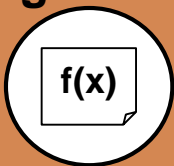


**Connective substrate:
Blockchain public utility network for the AI Commons**

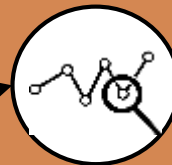


Preserve privacy: bring AI compute to the data

modeling
algorithm

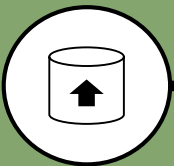


model
predictions

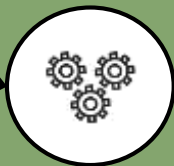


Public utility network

private
data



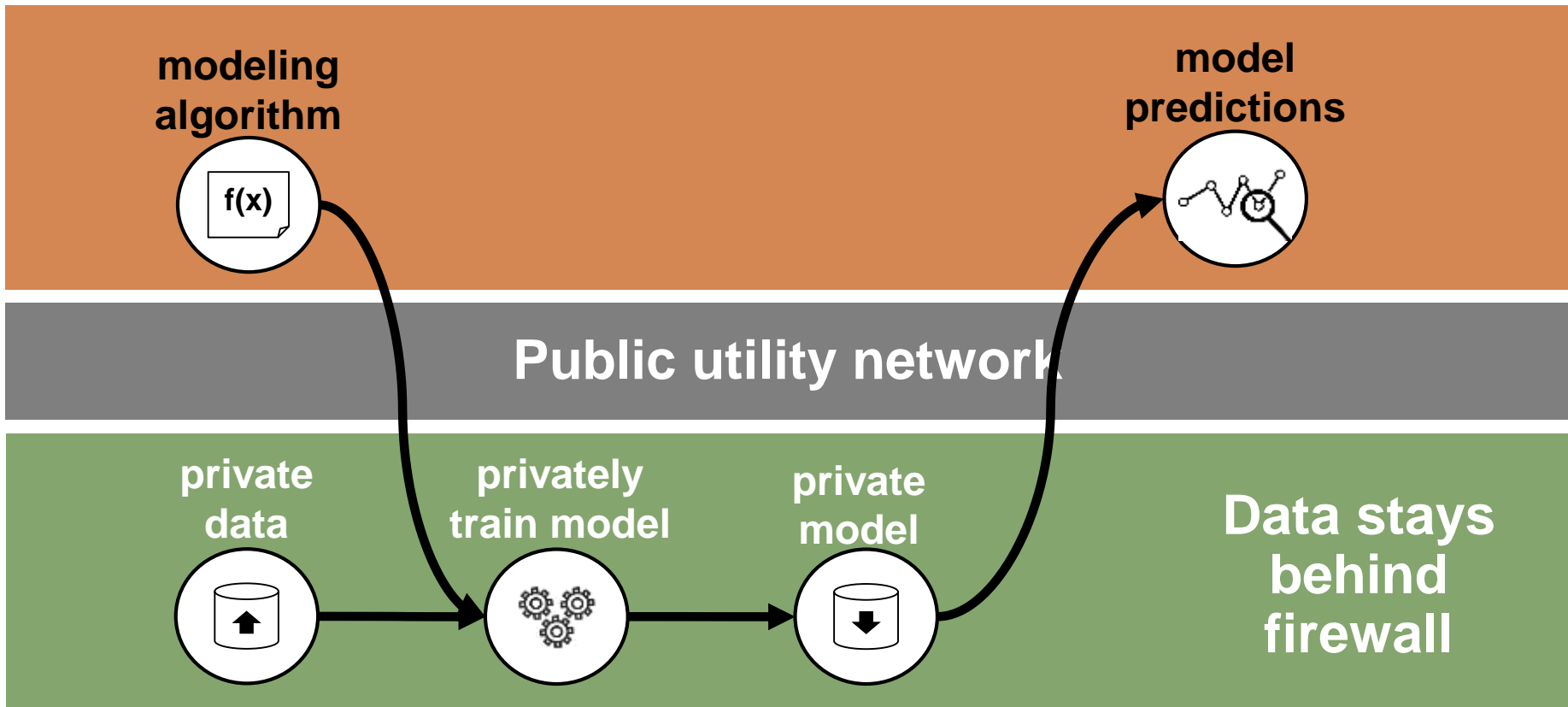
privately
train model



private
model



Data stays
behind
firewall



Q: How to *scale* AI for Good?

**A: Blockchain public utility
network for the AI Commons**

Problems specified



Problems solved



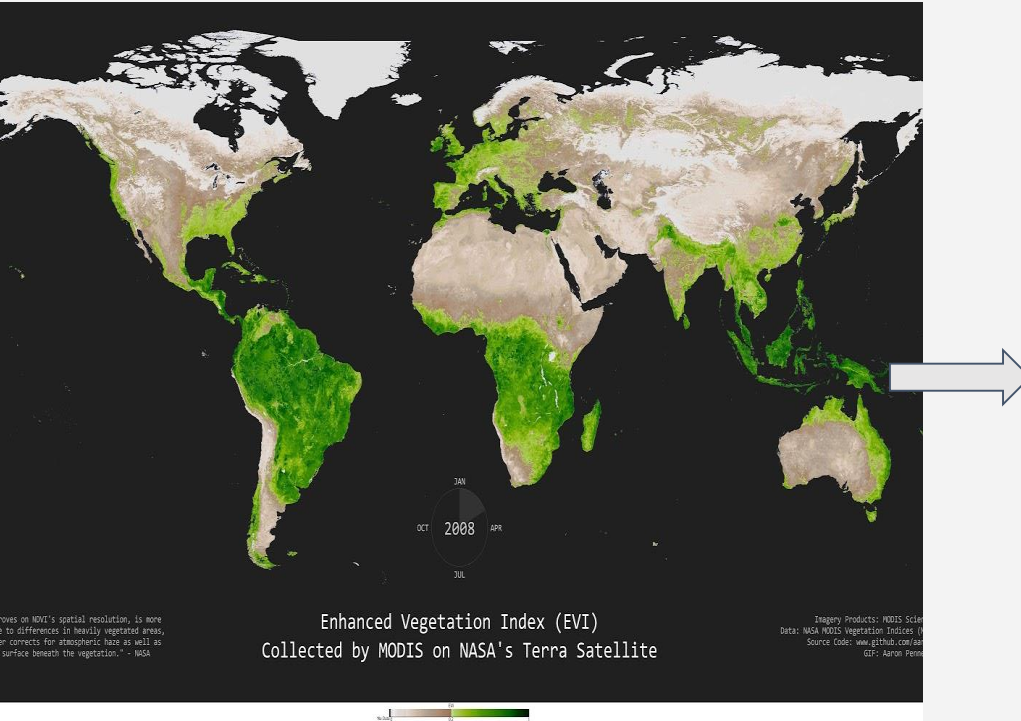
Solution deployed once



**Solution deployed at
scale, locally**

Use case: water quality

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





**Better predict Parkinson's by connecting data across hospitals
& borders; promoting & promoting research collaboration
(ConnectedLife)**



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 AI,
while addressing privacy**

Q: How to *scale* AI for Good?

**A: Blockchain public utility
network for the AI Commons**

Trent McConaghy
Ocean Protocol
@trentmc0

