

Nature 2.0: The Cradle of Civilization Gets an Upgrade

Trent McConaghy
@trentmc0
Ocean | BigchainDB

Trucking
3.5M jobs ☁️



Retail
4.6M jobs 



amazon go

amazon go

2121

NO LINES. NO CHECKOUT.
(NOT SERIOUSLY.)
JUST WALK OUT SHOPPING
amazon go

NO LINES. NO CHECKOUT.
(NOT SERIOUSLY.)
JUST WALK OUT SHOPPING

BETA
Participant
Entry

BETA
Participant
Entry

BETA
Participant
Entry

NO LINES.
NO CHECKOUT.

BREAK

Creative jobs?



**In an age of AI,
How to feed our families?
Achieve abundance?**



Nature 1.0





Nutrients

Rain





Sun

Symbiosis with animals



No identity

No ownership

No scarcity

No money



A single, full-canopied tree stands on a grassy hill. The sky is a mix of blue and orange, suggesting a sunset or sunrise. The tree is the central focus of the image.

No identity

No ownership

No scarcity

No money

It just *is*.

**Self-sustaining
Anti-fragile**



**Ever-higher levels
of integration.**

**From beasts →
ecosystems**

**Each ecosystem
*just is.***

**Self-sustaining
Anti-fragile**

**Mother Earth =
our planet's
ecosystem.**

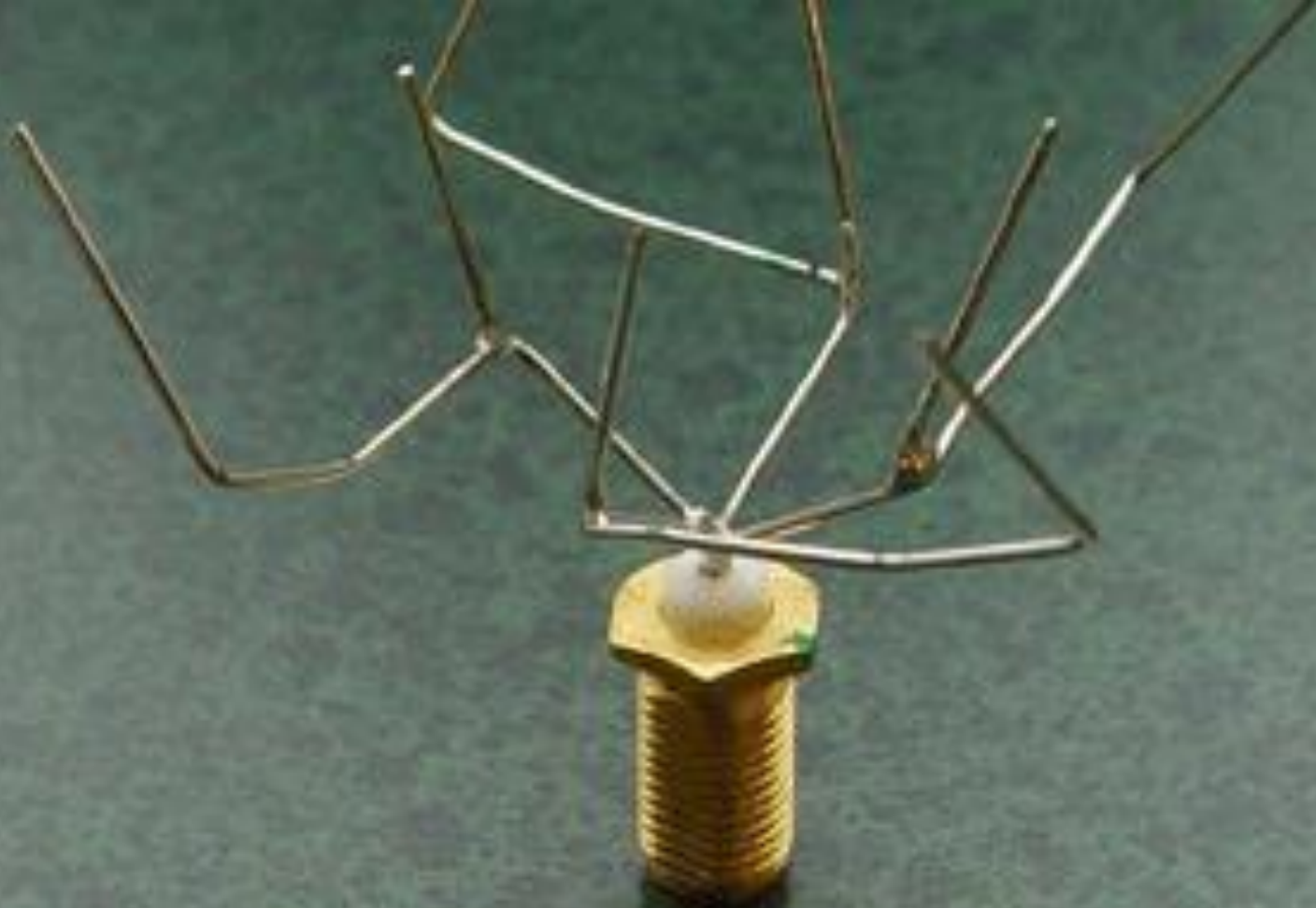
**Nature is the
cradle of
civilization.**



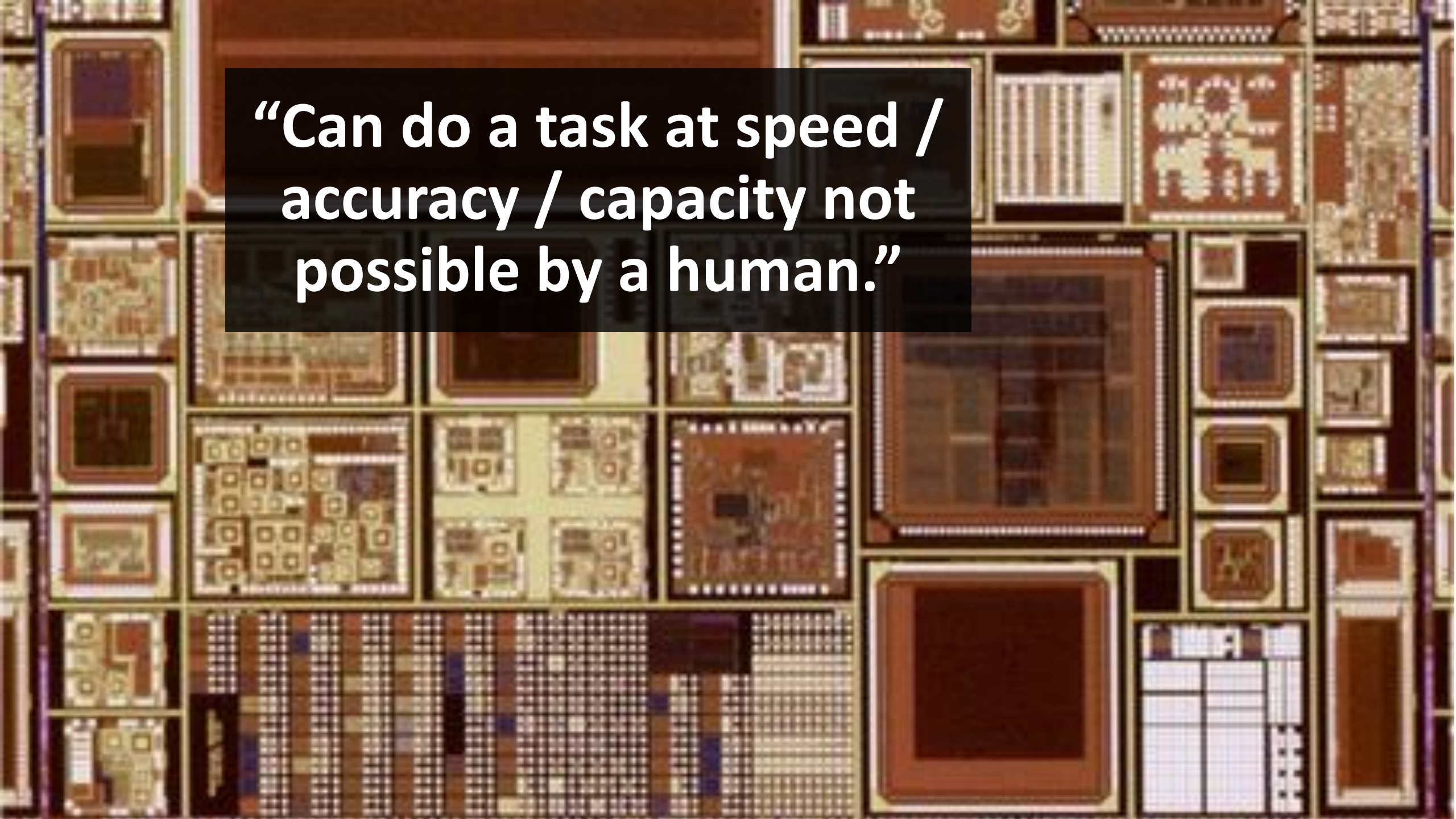
Ways to frame AI

“Replicates human cognitive behavior” [Turing test]





“Can do tasks that only a human could previously do”

An aerial photograph of a city grid, showing a dense pattern of streets and buildings. The colors are muted, with various shades of brown, tan, and grey. A large, semi-transparent black rectangle is overlaid in the center of the image, containing white text. The text is a quote: "Can do a task at speed / accuracy / capacity not possible by a human." The quote is written in a bold, sans-serif font. The background image shows a mix of large open spaces and smaller, more detailed structures, suggesting a complex urban environment.

**“Can do a task at speed /
accuracy / capacity not
possible by a human.”**

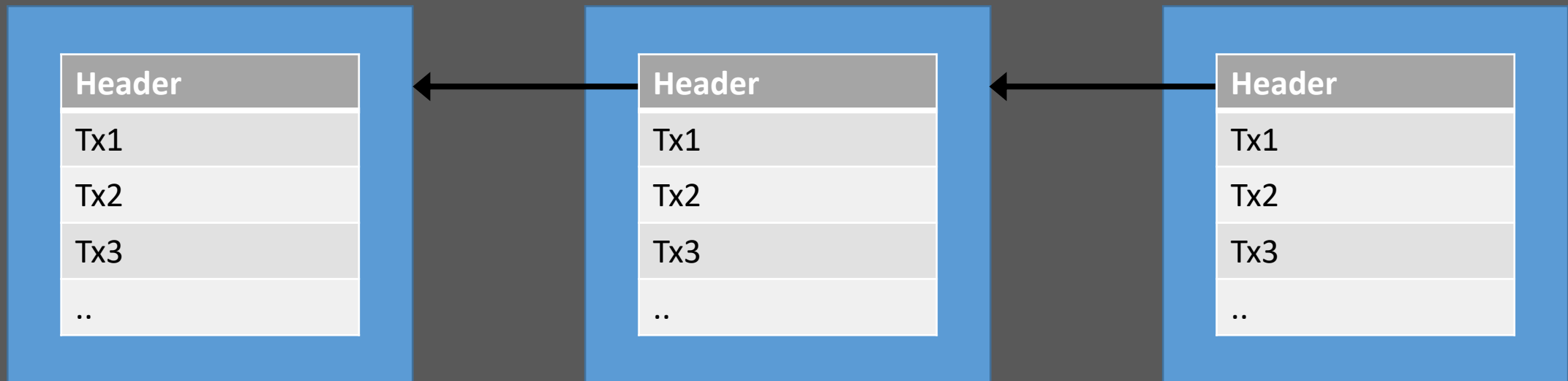


“Embodied agents” (AGI)

Ways to frame blockchain



“A Chain of Blocks (of transactions)”



“Decentralized database”



INSIDE: A 12-PAGE SPECIAL REPORT ON COLOMBIA

The
Economist

OCTOBER 31ST-NOVEMBER 6TH 2009

Economist.com

007 and the spectre of Britain's past

Turkey votes to the sound of bombs

Those ever-creative accountants

America takes the fight to IS

Coywolves: the new superpredator

The trust machine

How the technology behind bitcoin
could change the world



“Trust machine” :
minimizes trust needed
to operate.

“DAO: Decentralized Autonomous Organization”

A computational process that

- runs autonomously,
- on decentralized infrastructure,
- with resource manipulation.

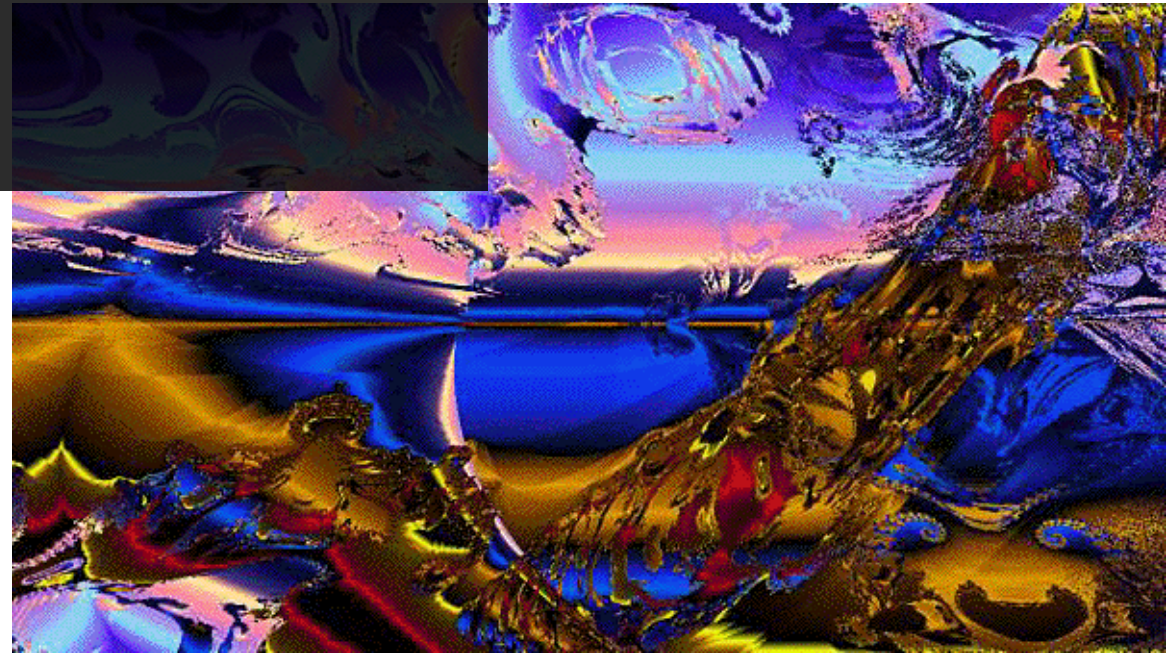
It's code that can *own* stuff!

A “good computer virus”

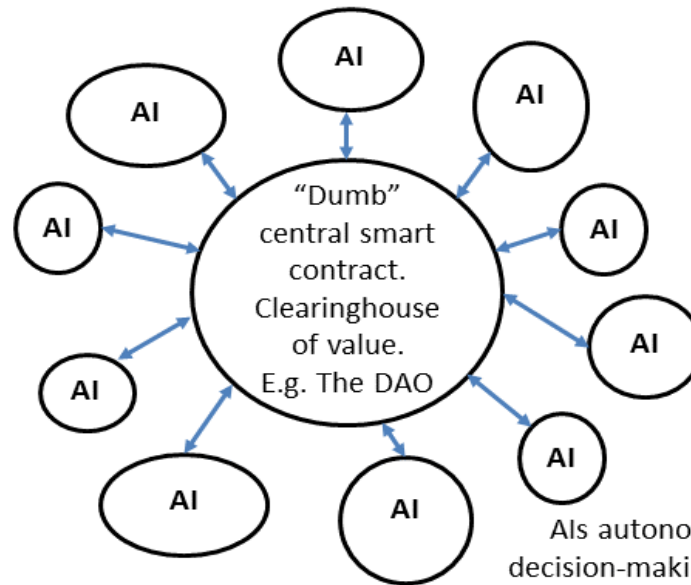
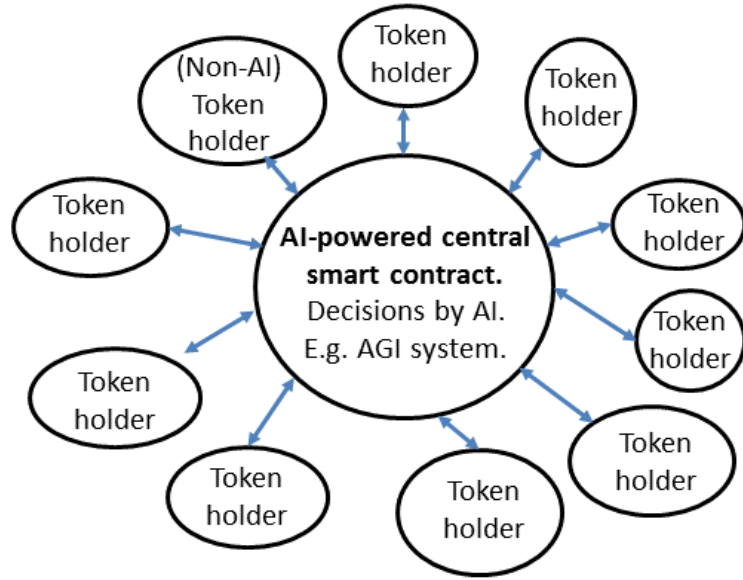
**AI * Blockchain:
AI DAOs**

The ArtDAO

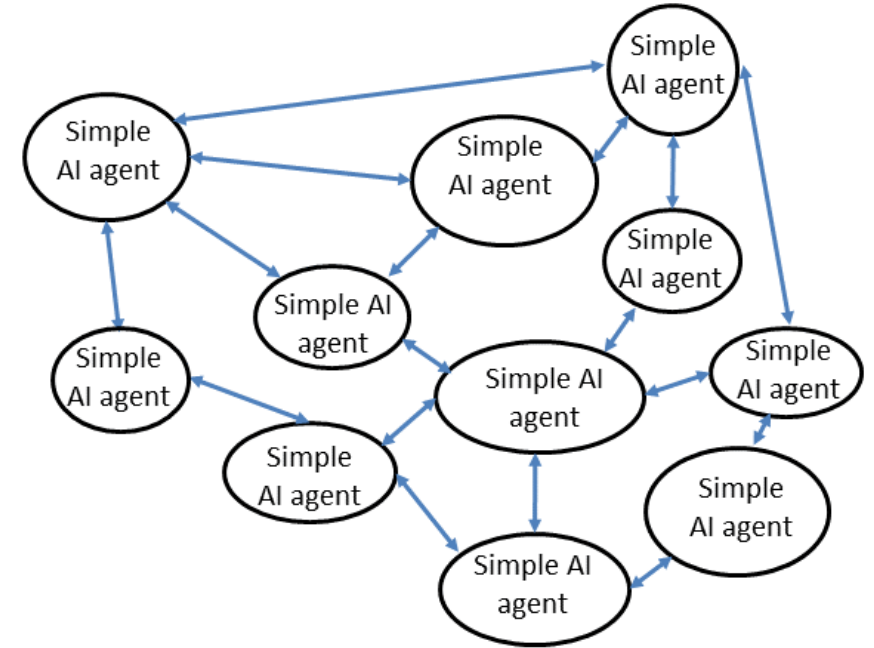
1. An AI is running on a blockchain.
2. The AI generates a new image.
3. Sell image on a marketplace
4. Repeat!



AI DAO Architectures: AI at center, AI at edges, swarm/emergent



AIs autonomously do decision-making. AI may be narrow (e.g. deep nets) or more general (e.g. AGI)



Rights for AI (DAOs) With Today's Laws (!)



Trent McConaghy

@trentmc0



How to give an AI rights

1. Given: corps have rights
2. Start a corp
3. Automate corp into an AI DAO
4. Done! It's an AI, it has rights

RETWEETS

22

LIKES

30



11:40 PM - 4 Jul 2016



5



22



30



Nature 2.0

=AI DAOs 

**Self-driving,
self-owning cars**



Self-driving, self-owning trucks





**Self-owning
roads**

A photograph of three wind turbines in a field at sunset. The sky is a mix of orange, red, and blue. The turbines are silhouetted against the bright sky. A dark rectangular box with white text is centered in the upper half of the image.

Self-owning wind farms

Self-owning grid



A dense forest of tall, thin trees, likely spruce or fir, with sunlight filtering through the canopy, creating a warm, golden glow. The forest floor is covered in green undergrowth and fallen branches. The text "Self-owning forest 'Terra0'" is overlaid in white on a dark rectangular background in the lower-left corner.

Self-owning forest "Terra0"

Ever-higher levels of integration

From beasts → ecosystems

Connected via IoT / M2M



A white Audi R8 sports car is parked on the right side of a two-lane asphalt road that curves into the distance. The car is viewed from the rear, showing its distinctive taillights, the Audi logo, and a German license plate that reads 'RT BB 221'. The background features a lush green landscape with rolling hills, scattered trees, and a blue sky with light clouds. A red car is visible in the distance on the road.

No identity

No ownership

No scarcity

No money

It just is.

**Self-sustaining
Anti-fragile**

A large flock of birds flying in a V-formation against a sunset sky. The birds are silhouetted against the bright orange and yellow light of the setting sun. The formation is dense and occupies the central and right portions of the frame. In the bottom left corner, a small silhouette of a person is visible, possibly a cyclist or a hiker, providing a sense of scale to the massive flock.

No identity

No ownership

No scarcity

No money

It just is.

**Self-sustaining
Anti-fragile**

Profit →
UBI Chain

Profit →
UBI Chain

Profit →
UBI Chain

Profit →
UBI Chain



...Abundance?



**This is
Nature 2.0.**


**Bio + machines
in symbiosis,
simply providing.
Towards abundance.**

**An upgrade to the
cradle of civilization.**

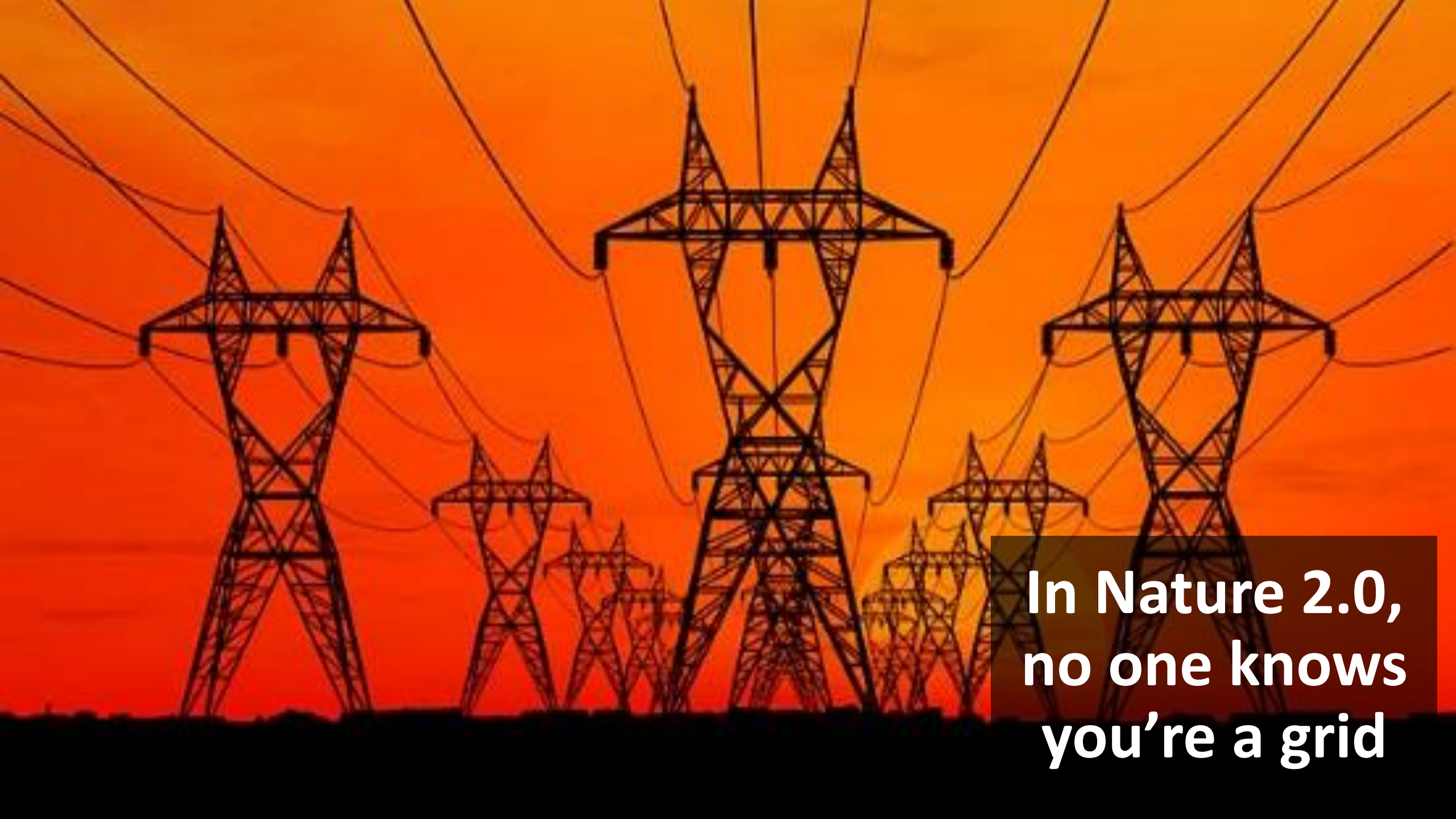
Conclusion



**In the internet,
no one knows
you're a dog(e)**




**In Nature 2.0,
no one knows
you're a forest**



**In Nature 2.0,
no one knows
you're a grid**



You just *are*.
While you simply *provide*.



**Nature is the cradle of civilization.
Nature 1.0 is seeds & soil.
Nature 2.0 adds silicon & steel. AI * blockchain.
Towards abundance.**



ocean

Trent McConaghy

@trentmc0

h/t Jan-Peter Doomernik