

# Nature 2.0: The Cradle of Civilization Gets an Upgrade

Trent McConaghy  
@trentmc0  
Ocean | BigchainDB

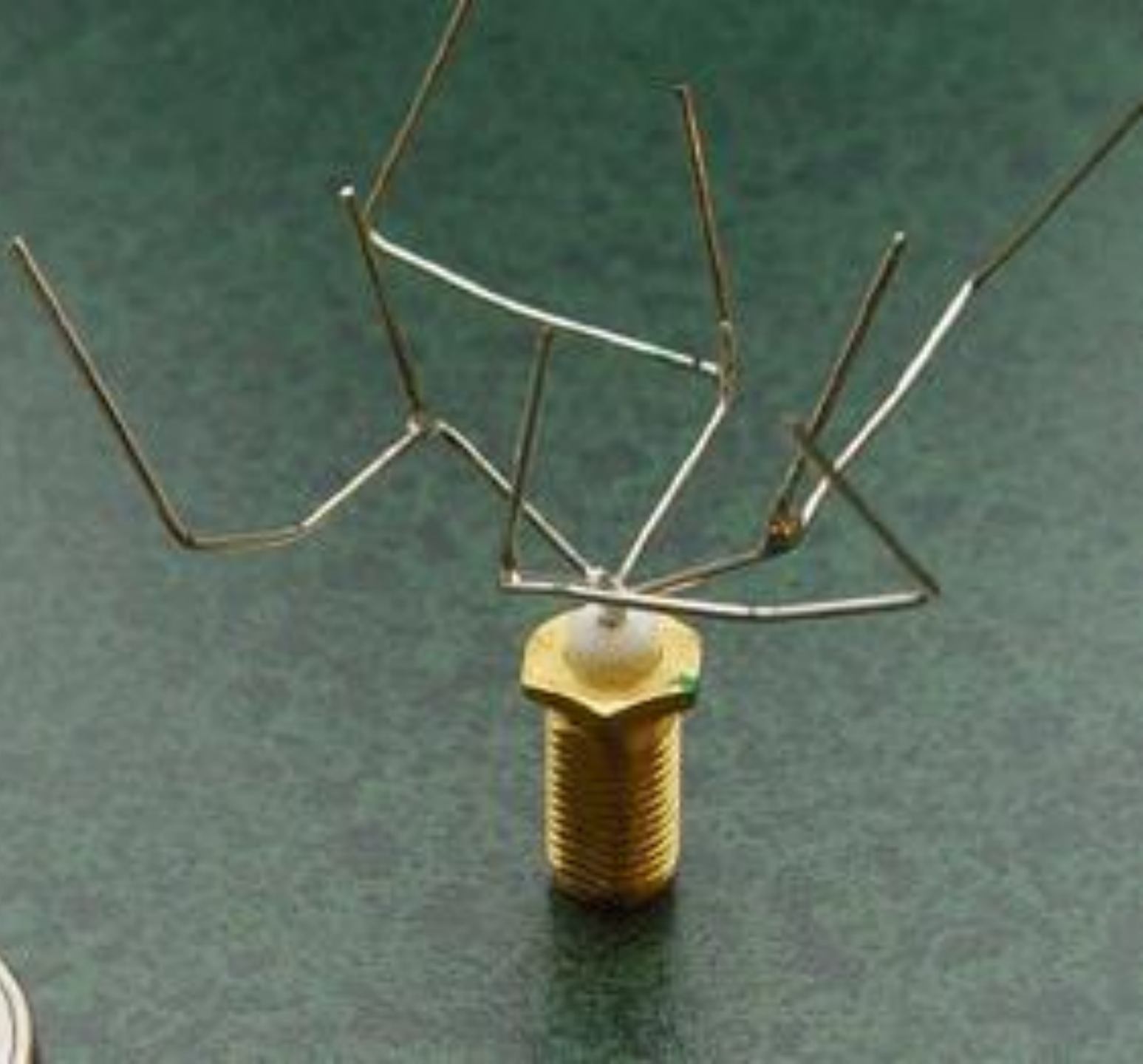
Trucking  
3.5M jobs ☁



Retail  
4.6M jobs ☁



# Creative jobs?



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



**Nature 1.0**



A close-up photograph of a terrarium. In the center, a plant with several long, lanceolate, green leaves grows out of a thick bed of green moss. The moss is densely packed with small, reddish-brown granules. To the right of the central plant, there is a smaller, more delicate plant with feathery, light green leaves. The background is dark and out of focus, showing various other plants and foliage, creating a sense of a lush, enclosed environment. The lighting is soft, highlighting the textures of the leaves and moss.

**Nutrients**

Rain





Sun

# Symbiosis with animals



**No identity**

**No ownership**

**No scarcity**

**No money**



**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.**



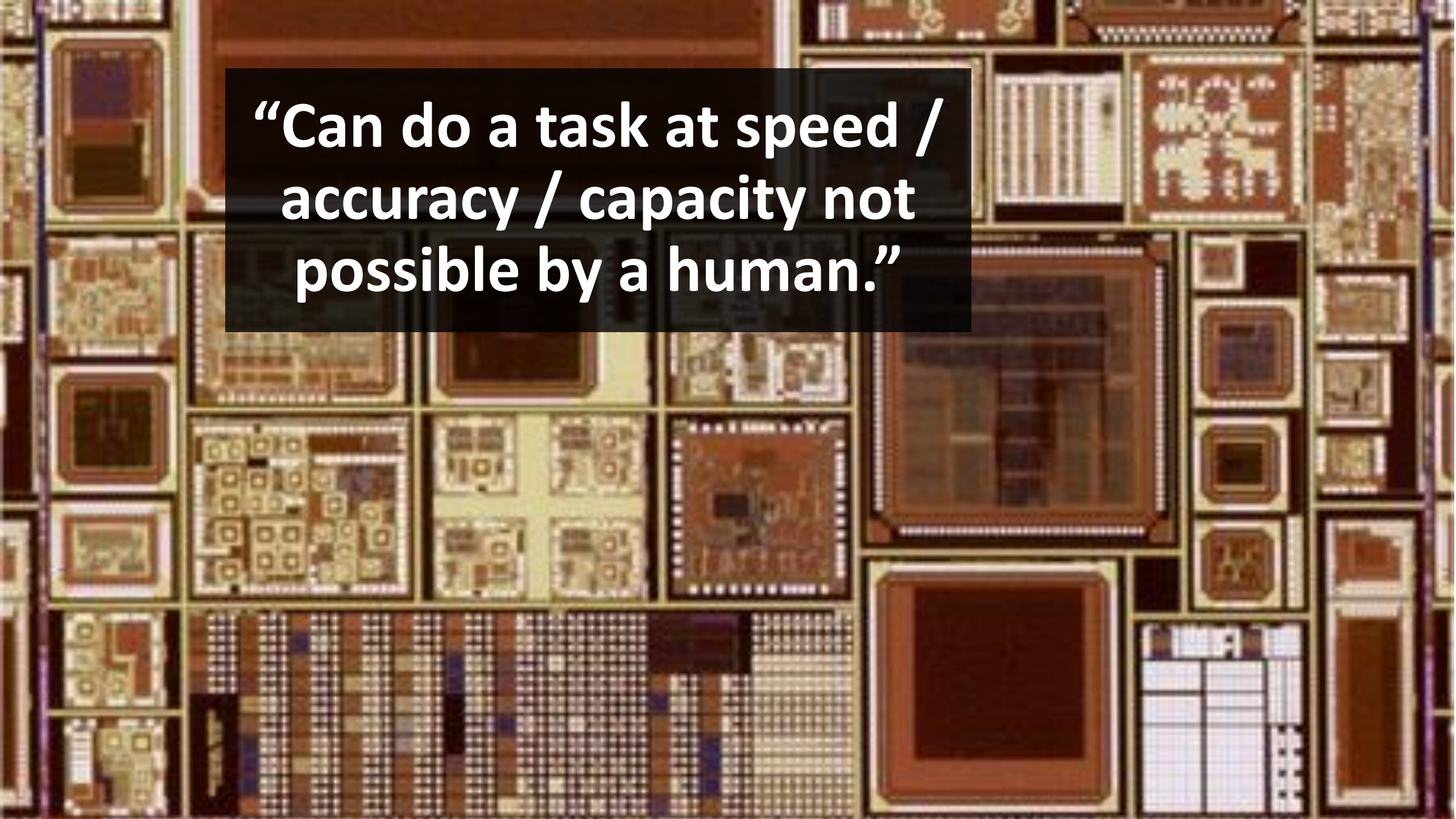
# Ways to frame AI

**“Replicates human cognitive behavior” [Turing test]**





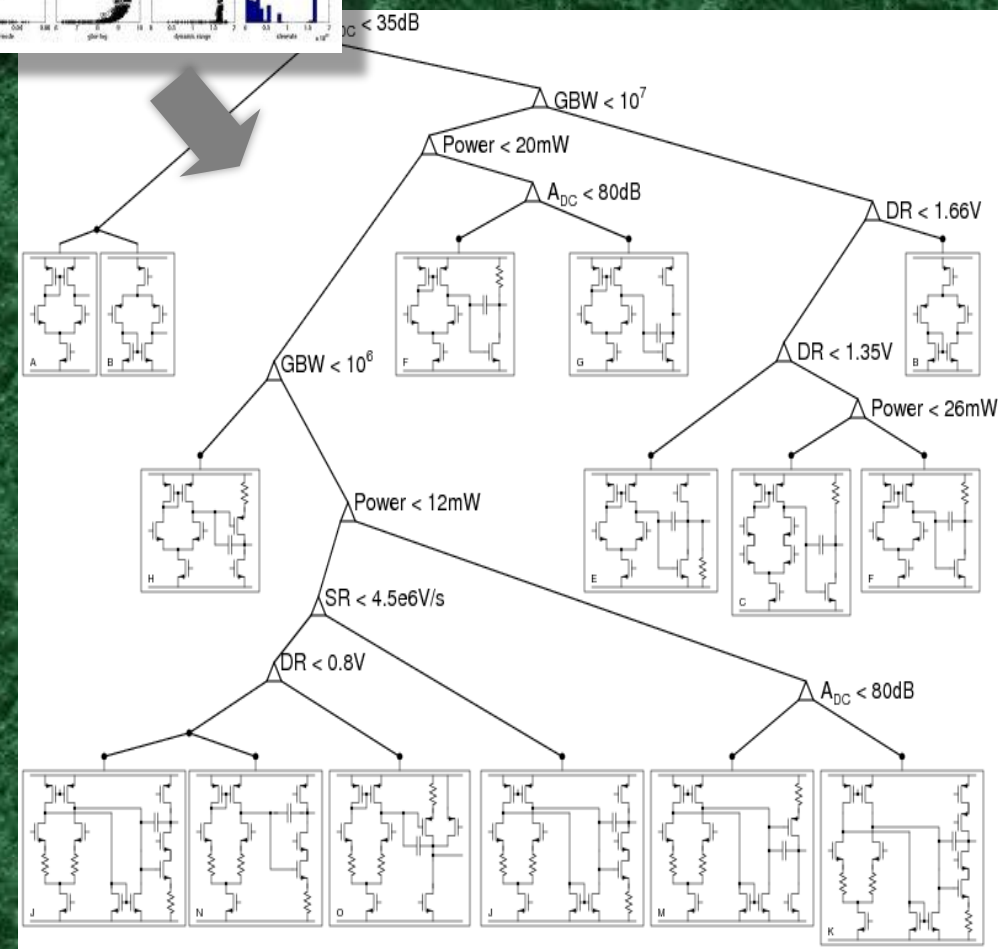
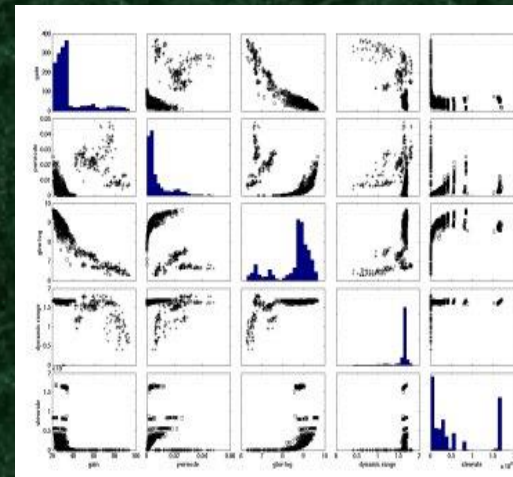
**“Can do tasks that only a human could previously do”**

An aerial photograph of a city grid, likely New York City, showing a dense pattern of streets and buildings. The image is slightly blurred, giving it a vintage or artistic feel. A large, dark, semi-transparent rectangular box is centered over the image, containing white text. The text is a quote about the capabilities of a task compared to human capacity.

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

# “A set of tools”

- Classification
- Regression
- Knowledge extraction
- Optimization
- Creative / Structural design
- ...



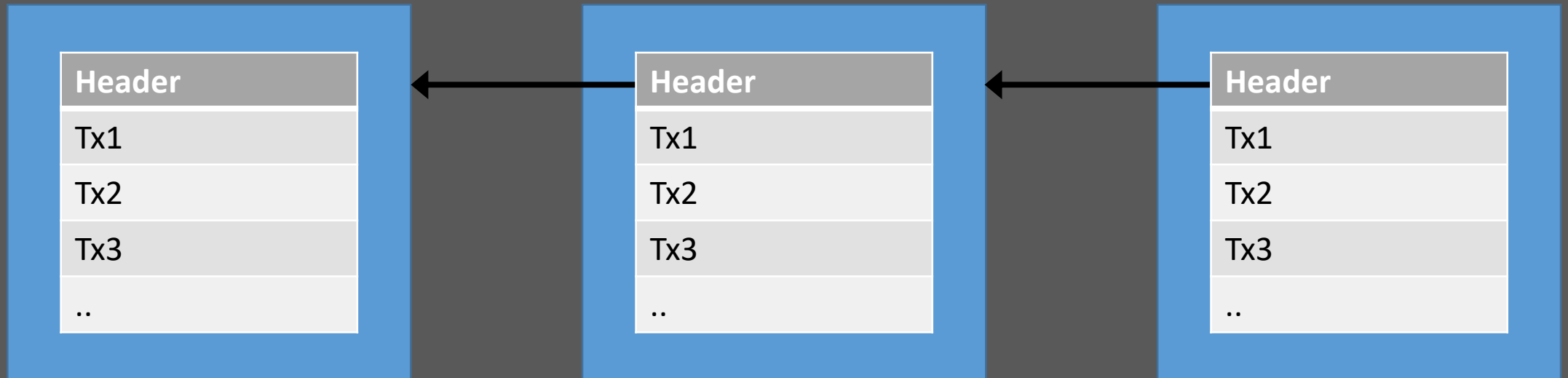


**“Embodied agents” (AGI)**

# **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 2013

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.

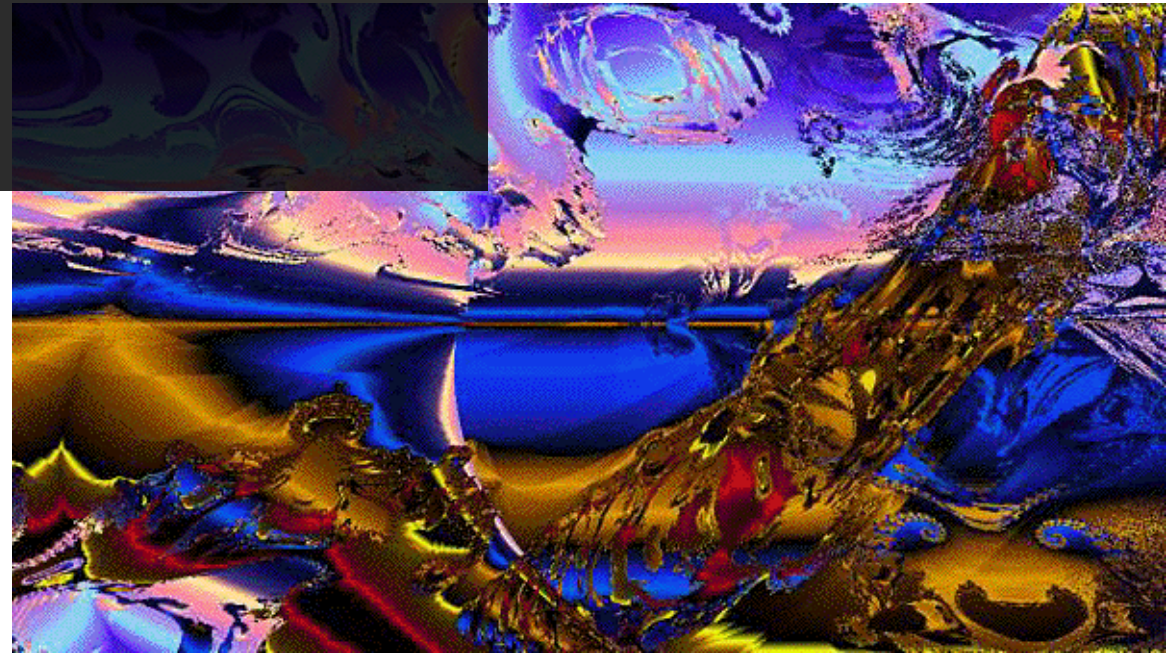
**It's code that can *own* stuff!**

A “good computer virus”

**AI \* Blockchain:  
AI DAOs**

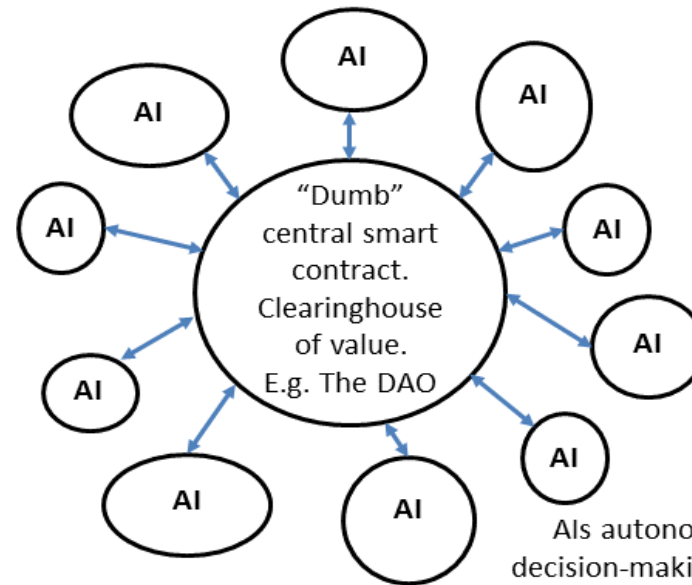
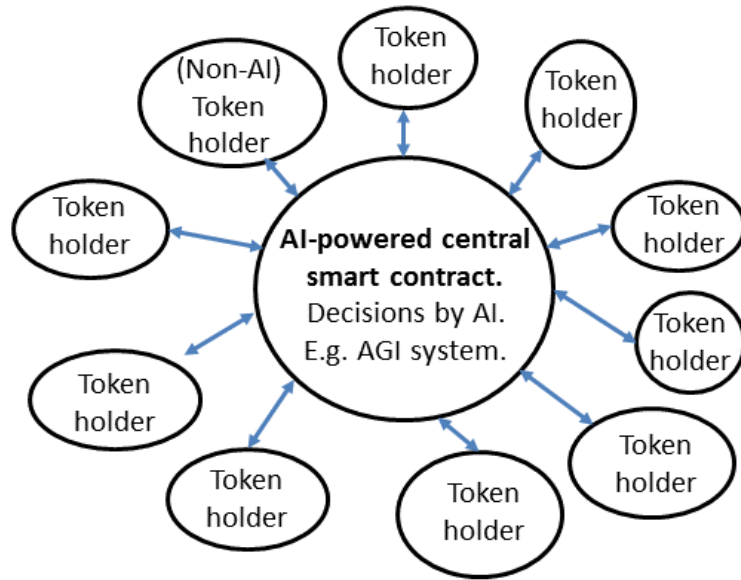
# The ArtDAO

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

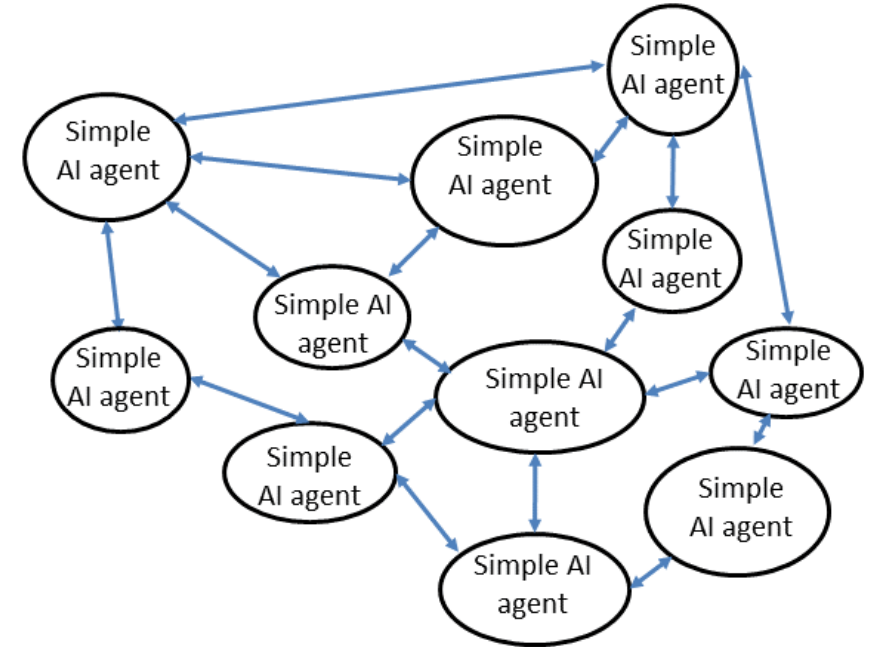


# AI DAO Architectures:

## AI at center, AI at edges, swarm/emergent



Als 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



FREIGHTLINER

An aerial photograph of a winding asphalt road carved into a steep, grassy mountain slope. The road features multiple sharp turns and is bordered by a low stone wall. The surrounding landscape is a mix of green grass and patches of brown, possibly due to dry vegetation or erosion. The road's path is clearly defined against the natural terrain.

**Self-owning  
roads**

A photograph of three wind turbines at a wind farm during sunset. The sky is a mix of deep blue, orange, and yellow. The turbines are silhouetted against the bright horizon. A dark rectangular box with white text is overlaid on the right side of the image.

# Self-owning wind farms

# Self-owning grid





Self-owning forest “Terra0”

# Ever-higher levels of integration

## From beasts → ecosystems

### Connected via IoT / M2M



A white Audi R8 is shown from a rear three-quarter view, driving on a two-lane asphalt road that curves to the left. The road is flanked by green grass and trees. In the distance, another car is visible on the road. The sky is blue with scattered white clouds. The car's license plate is 'D RT BB 221' and it has the Audi logo on the rear. The text 'No identity' is overlaid on a dark semi-transparent box on the left side of the image.

No identity

No ownership

No scarcity

No money

*It just is.*

Self-sustaining  
Anti-fragile



**No identity**

**No ownership**

**No scarcity**

**No money**

***It just is.***

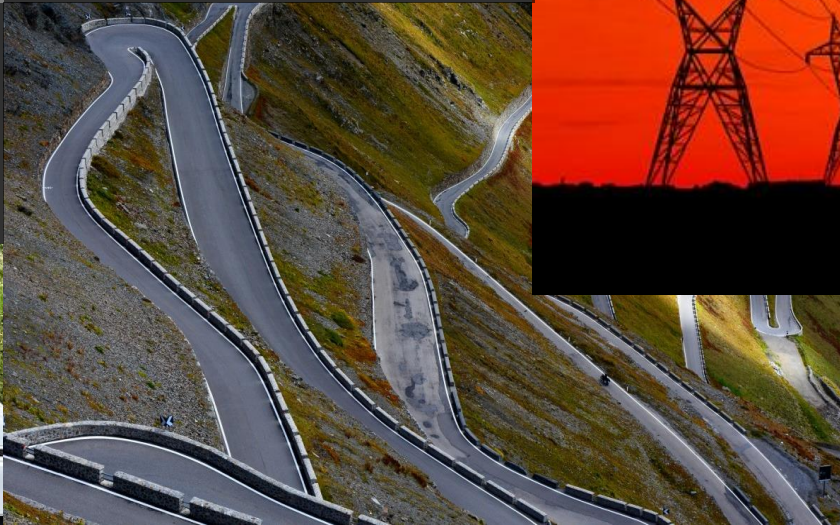
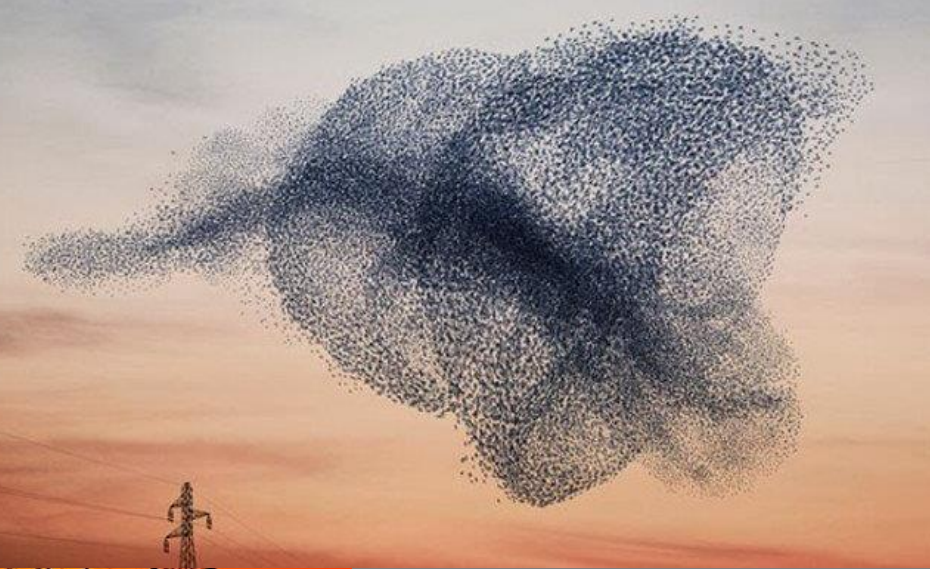
**Self-sustaining  
Anti-fragile**

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.**

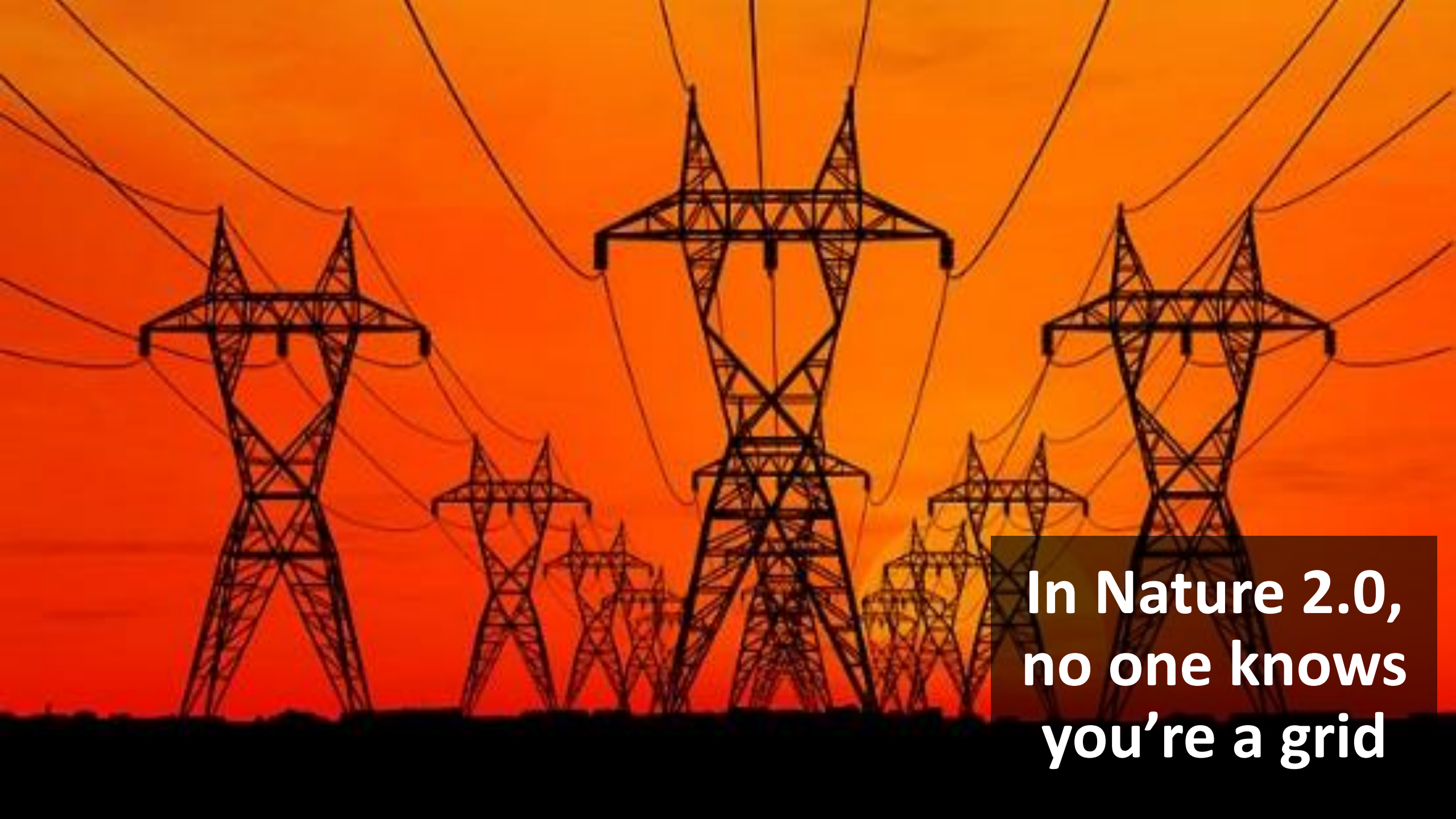
# Conclusion



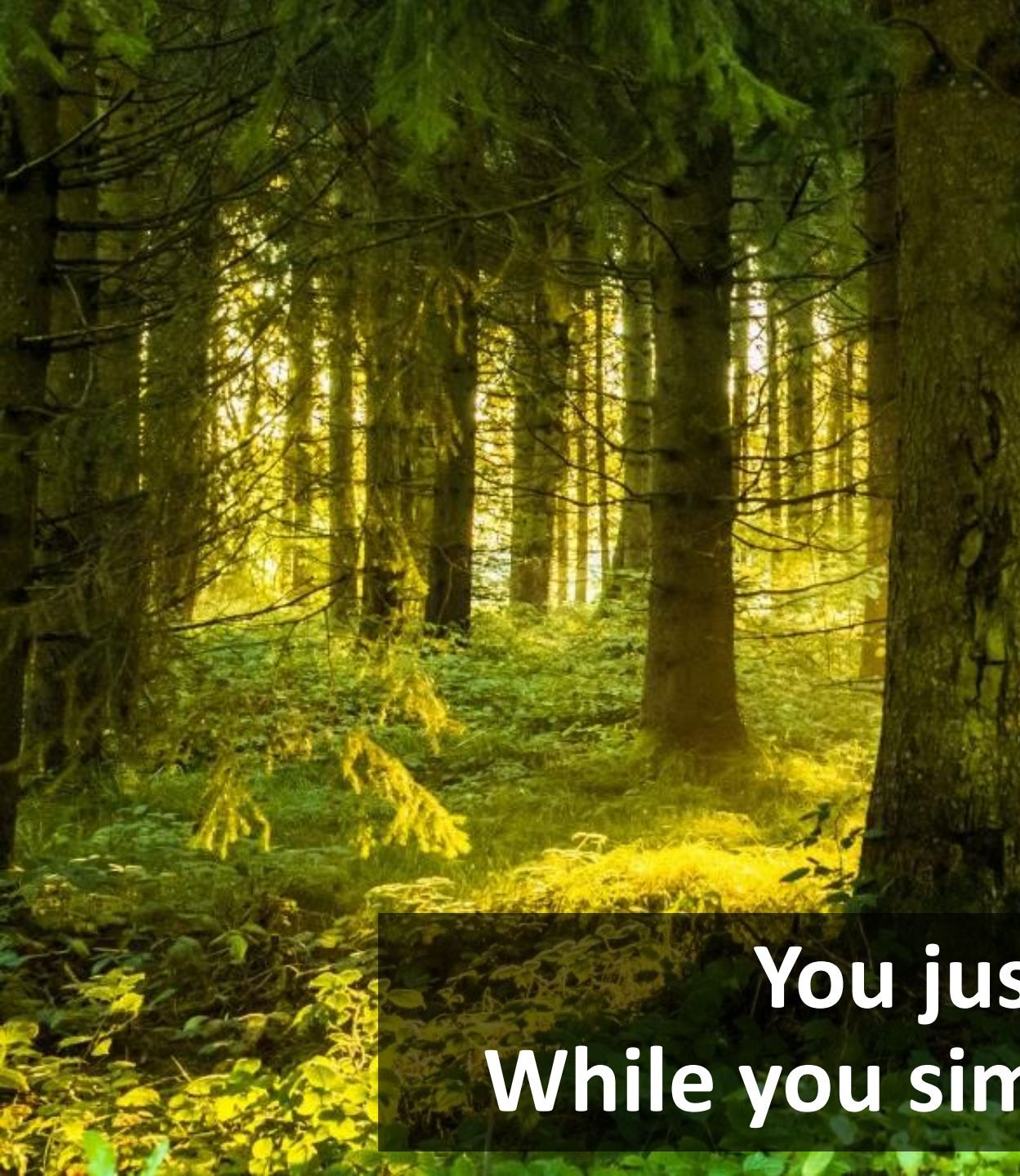
**In the internet,  
no one knows  
you're a dog(e)**

A photograph of a dense forest. Tall, slender trees with dark trunks stand closely together. Sunlight filters through the dense canopy of green leaves, creating a warm, golden glow and long, vertical rays of light. The forest floor is covered in green undergrowth and fallen branches. The overall atmosphere is serene and natural.


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

The image features a series of high-voltage power line towers, also known as pylons, silhouetted against a vibrant orange and red sky, suggesting a sunset or sunrise. The towers are arranged in a receding line, creating a sense of depth. The sky is a gradient of warm colors, with the sun's glow visible through the structure of the towers. The overall mood is dramatic and industrial.

**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