

Nature 2.0: A Positive (and Buildable) Vision of the Future

Trent McConaghy
@trentmc0
Ocean Protocol

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

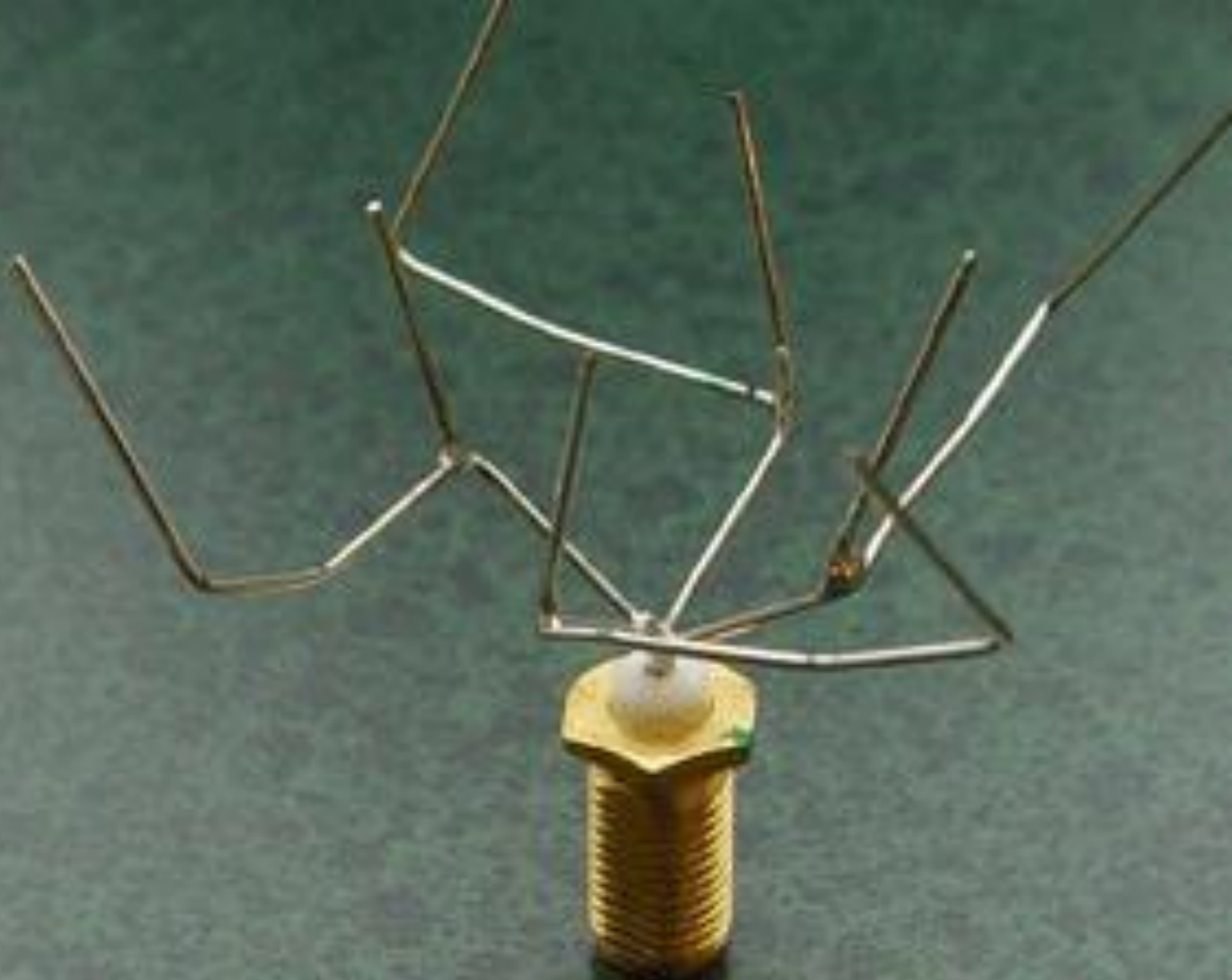
BETA
Participant
Entry

BETA
Participant
Entry

NO LINES.
NO CHECKOUT.



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



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.**

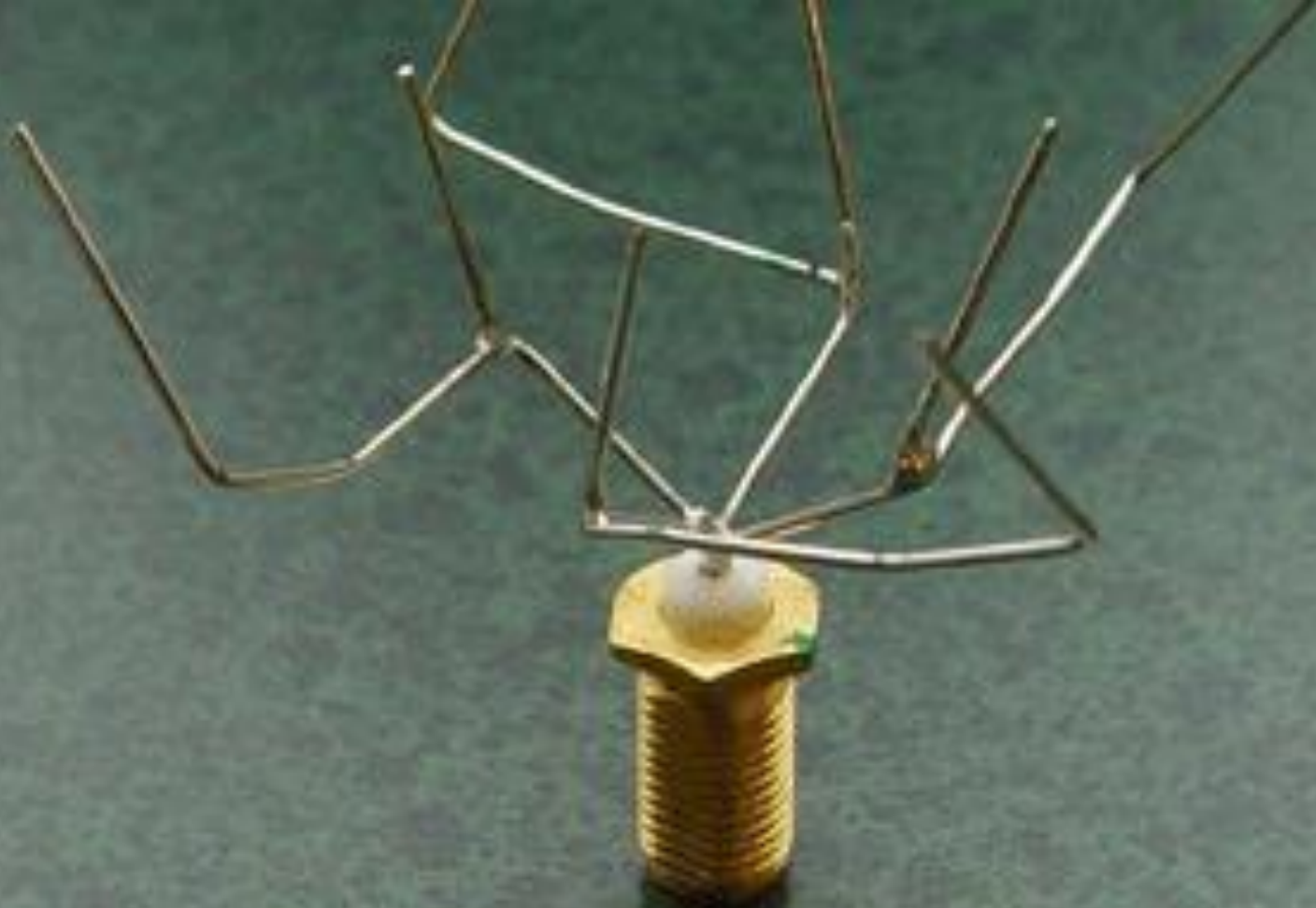
**Nature is the
cradle of
civilization.**



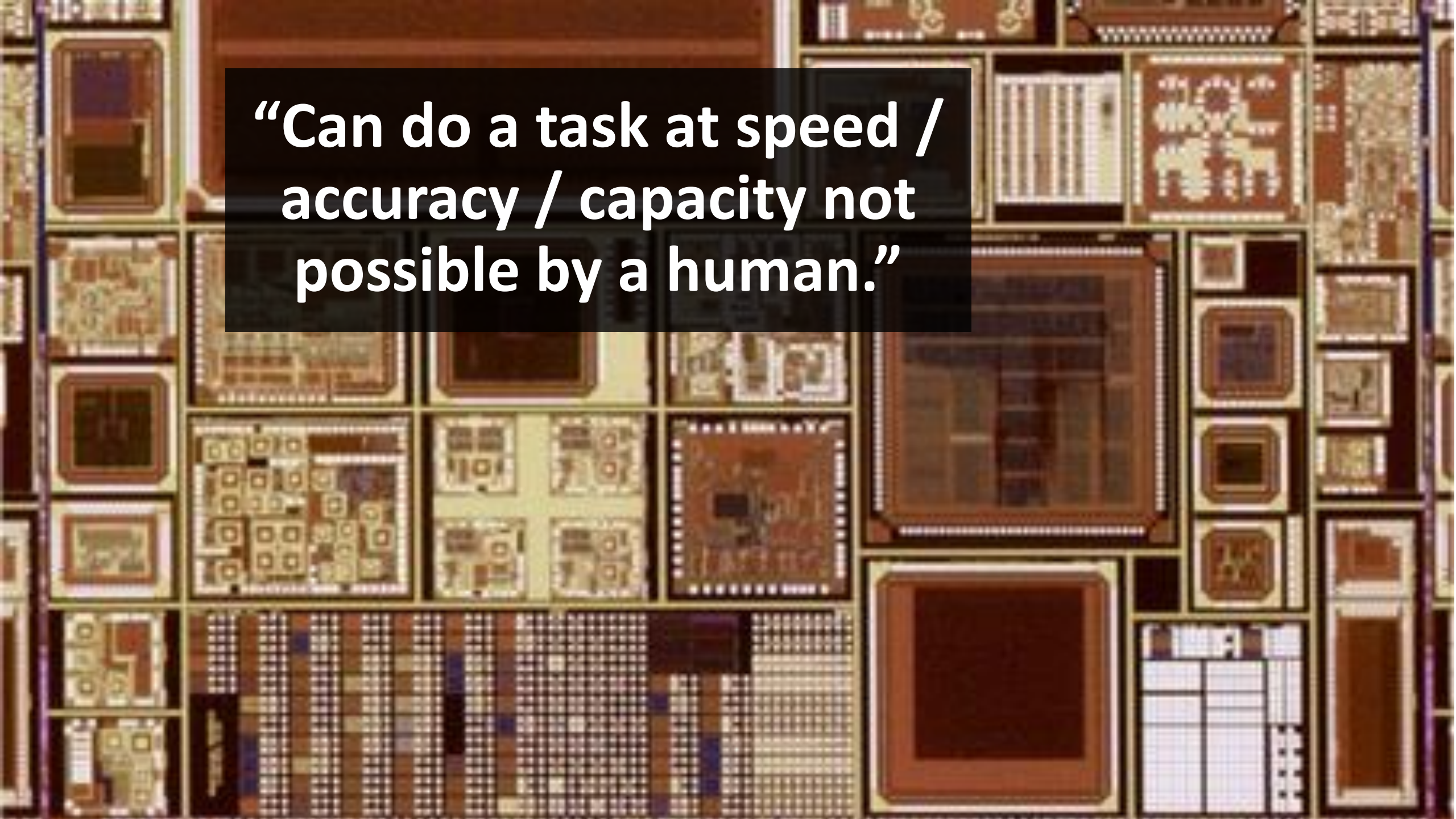
Ways to frame AI

“Replicates human cognitive behavior” [Turing test]





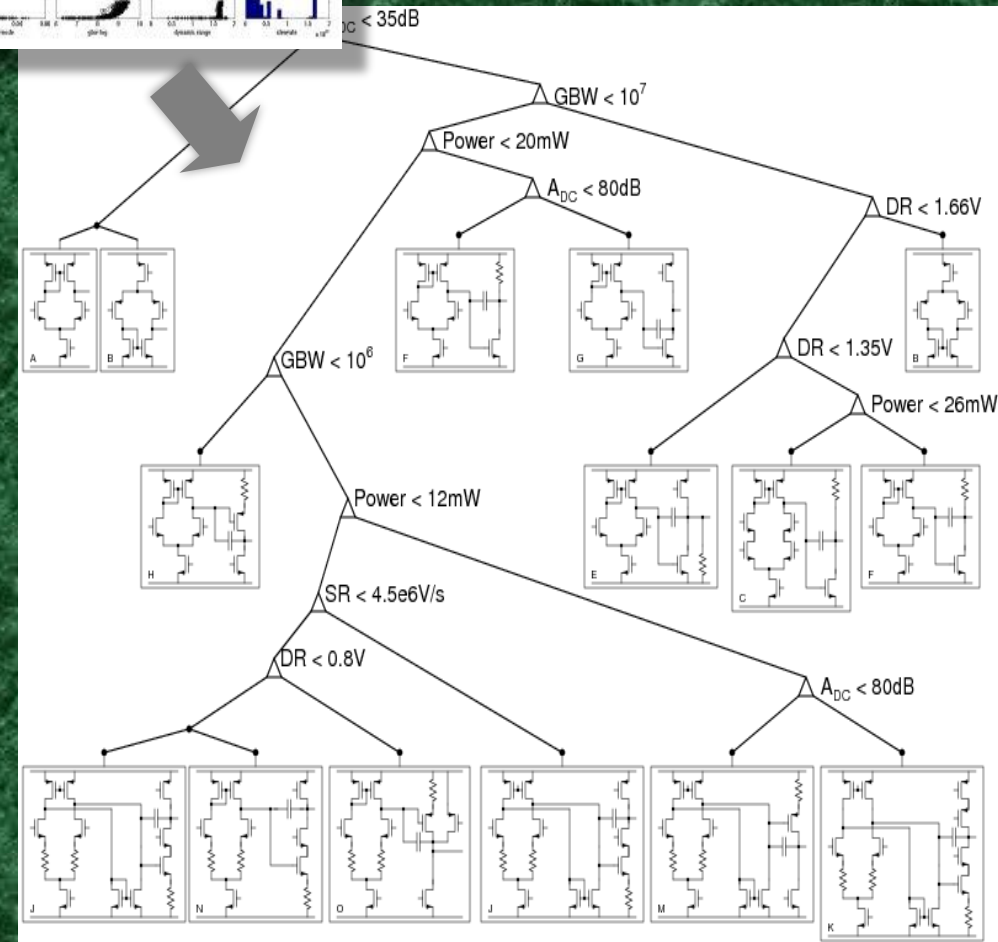
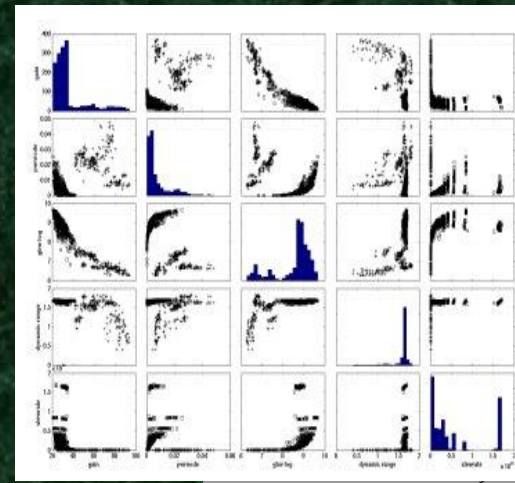
“Can do tasks that only a human could previously do”

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 rectangular blocks, some with internal patterns, and some with solid colors, representing different types of buildings or land use in an urban environment.

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

“A set of tools”

- Classification
- Regression
- Knowledge extraction
- Optimization
- ...





“Embodied agents” (AGI)

Ways to frame blockchain



“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.

“Public Utility Network” Self-sustaining, anti-fragile





**“Self-owning
robot plants”
(Plantoids)**

The background of the image is a microscopic view of cells, likely from a petri dish, showing various sized cells and structures. The color palette is dominated by teal and blue tones. Three dark rectangular boxes with white text are overlaid on the image. The top box contains the title "Life Form". The middle box contains a quote about Bitcoin. The bottom box contains the name "-Ralph Merkle".

“Life Form”

“Bitcoin is the first example of a new form of life.”

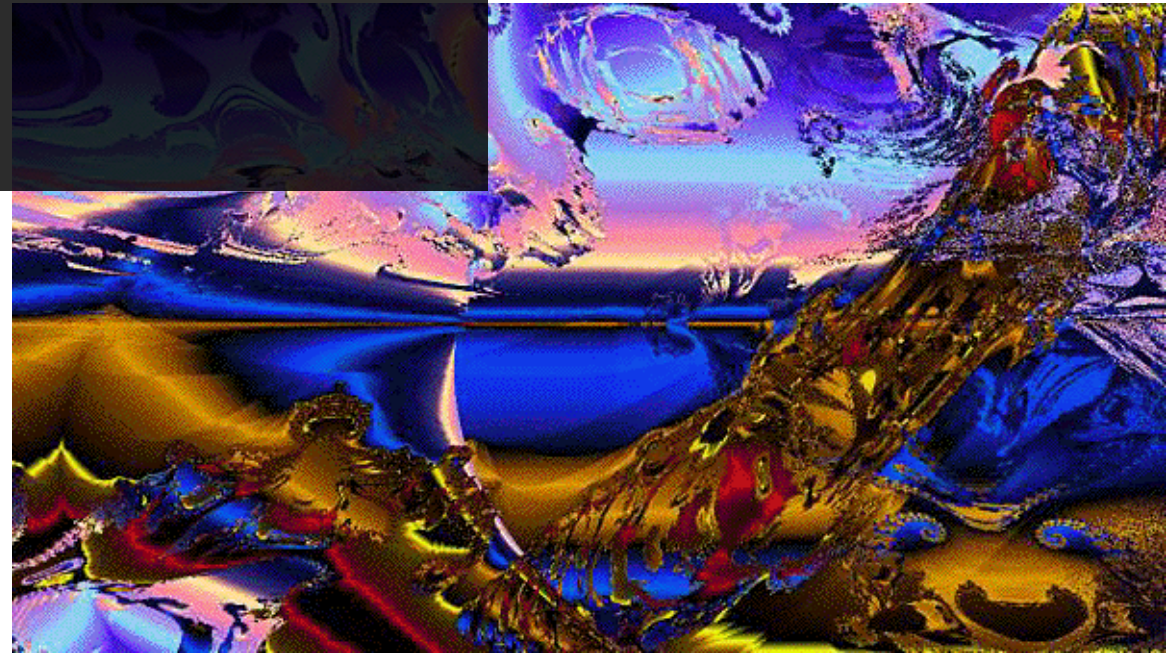
“It lives and breathes on the internet. It lives because it can pay people to keep it alive. ... It can't be stopped. It can't even be interrupted. If nuclear war destroyed half of our planet, it would continue to live.”

-Ralph Merkle

AI * Blockchain: Self-owning AIs

Consider...

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



DAO: Decentralized Autonomous Organization

Software that

- runs autonomously
- on public utility networks, aka blockchains
- with its own wallet -- can own stuff

Self-owning AIs: AI software running as DAOs

Nature 2.0
=self-owning AIs  



**Self-owning robot
plants: Plantoids**

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



Self-driving, self-owning trucks





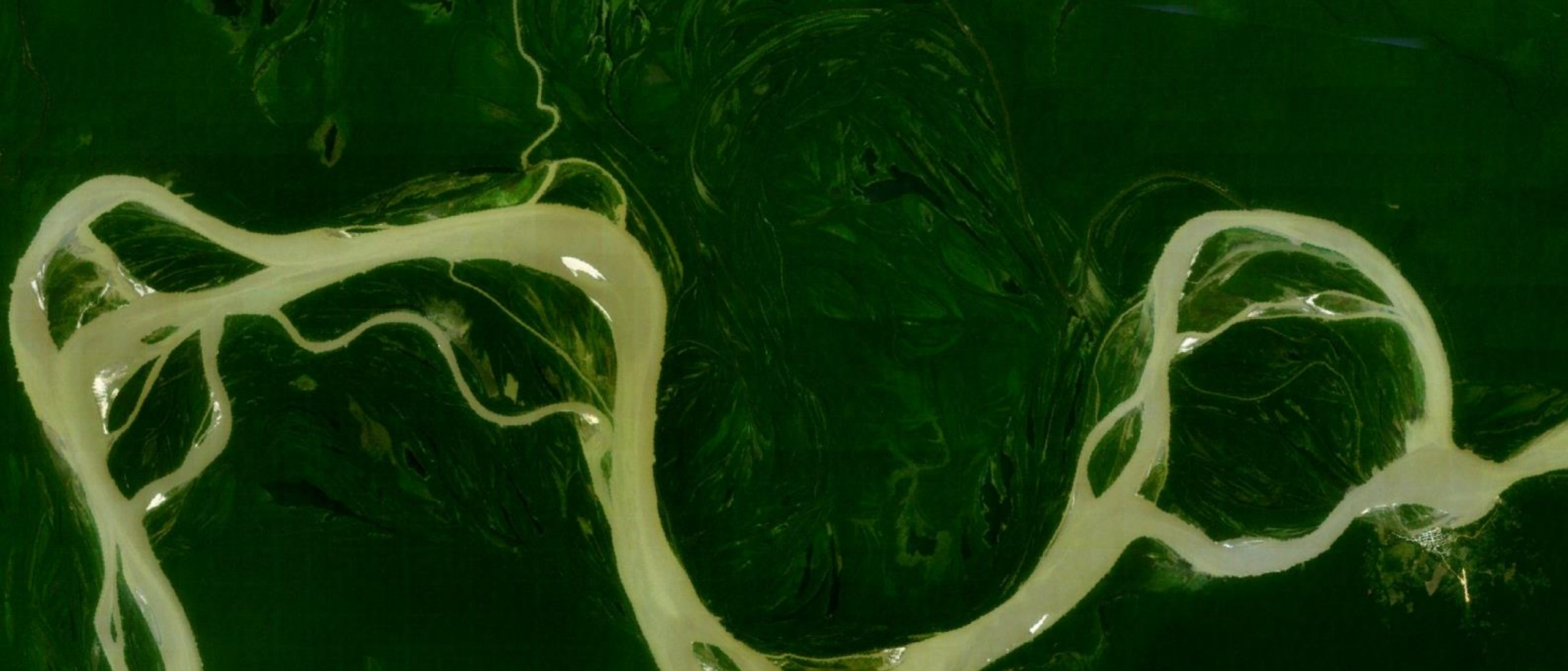
**Self-owning
roads**

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 sky. A dark rectangular box with white text is overlaid in the center of the image.

Self-owning wind farms

Self-owning grid





Self-owning river: The Amazon V2: with AI decisions & blockchain resources





Self-owning forest “Terra0”

A white Audi R8 sports car is shown from a rear three-quarter view, driving on a winding asphalt road. The road curves to the left, and the surrounding landscape is lush green with trees and a blue sky with scattered clouds. In the distance, another car is visible on the road.

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**

**Next trick:
Surplus \$\$ goes to all
humans, equally**

**\$ taken from jobs, by AI
= \$ to humans, by AI.
Leads to abundance?**





**This is
Nature 2.0.**

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

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

Can we build this?

It's getting built!

**Global
public utility
networks for
data & AI**



**Level
playing
field for AI**



**Platform
for self-
owning
AIs**




**Nature 2.0:
Self-owning
AIs at scale,
with surplus
to USI**



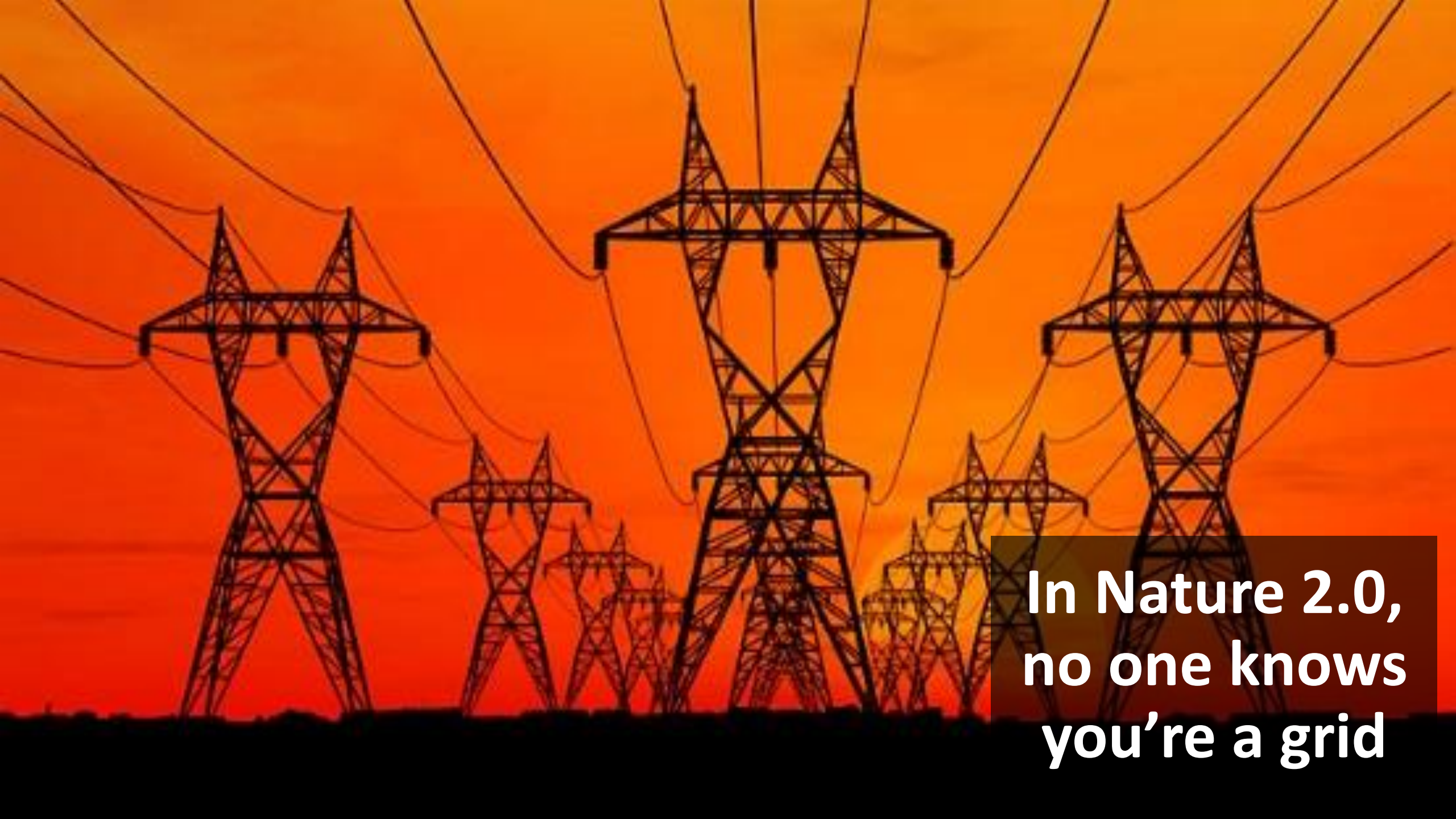
Conclusion



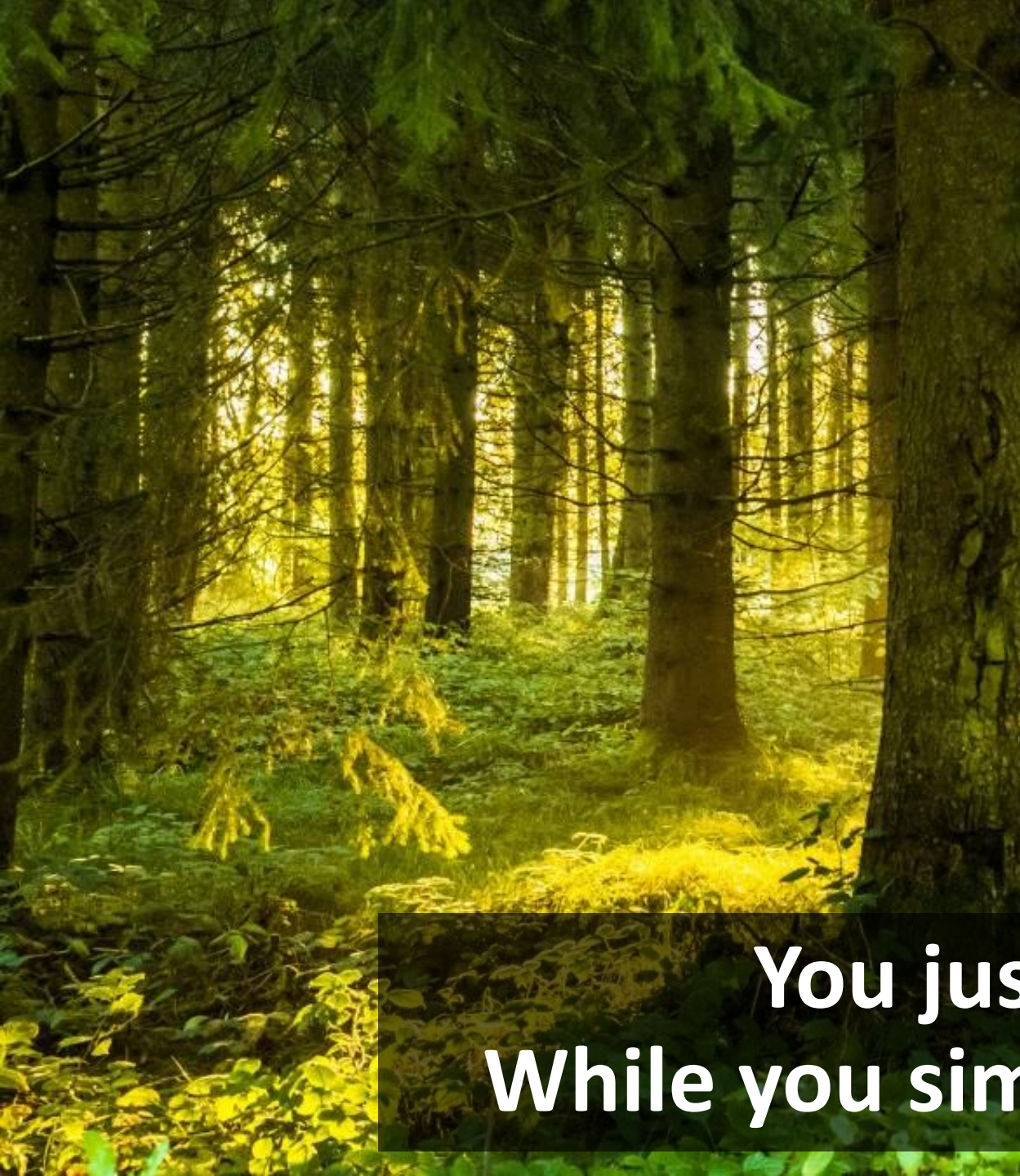
**In the internet,
no one knows
you're a dog(e)**



**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.

A positive, buildable vision of the future.



ocean

Trent McConaghy

@trentmc0

h/t Jan-Peter Doomernik