

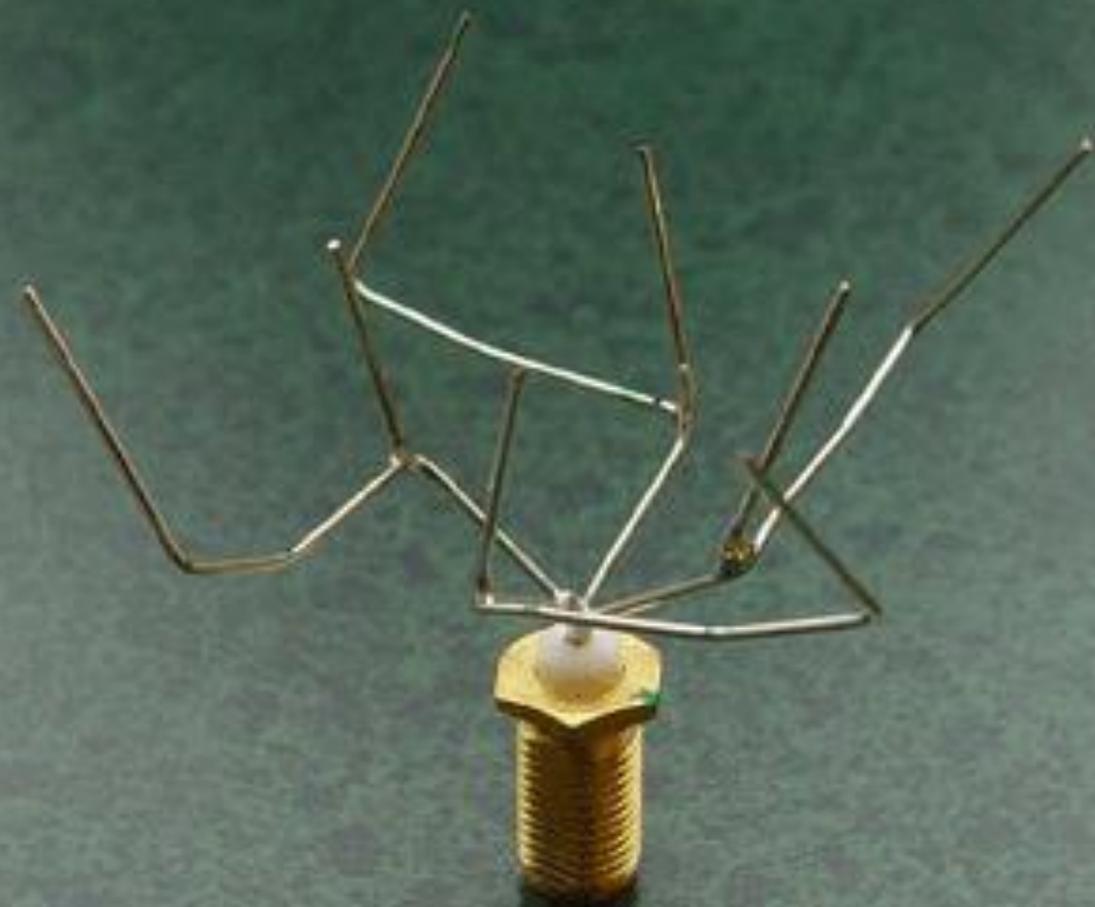
A series of five Earths are arranged in a diagonal line from the top right to the bottom left. Each Earth is shown from a different perspective, showing different continents and oceans. The background is a dark space filled with stars and a nebula in the bottom left corner.

AI, Blockchains, and Humanity: The Next 10 Billion Years of Human Civilization

Trent McConaghy
@trentmc0

Berlin, April 1, 2017

A Challenge or Two,
for Humanity



Existential threat: AI on jobs



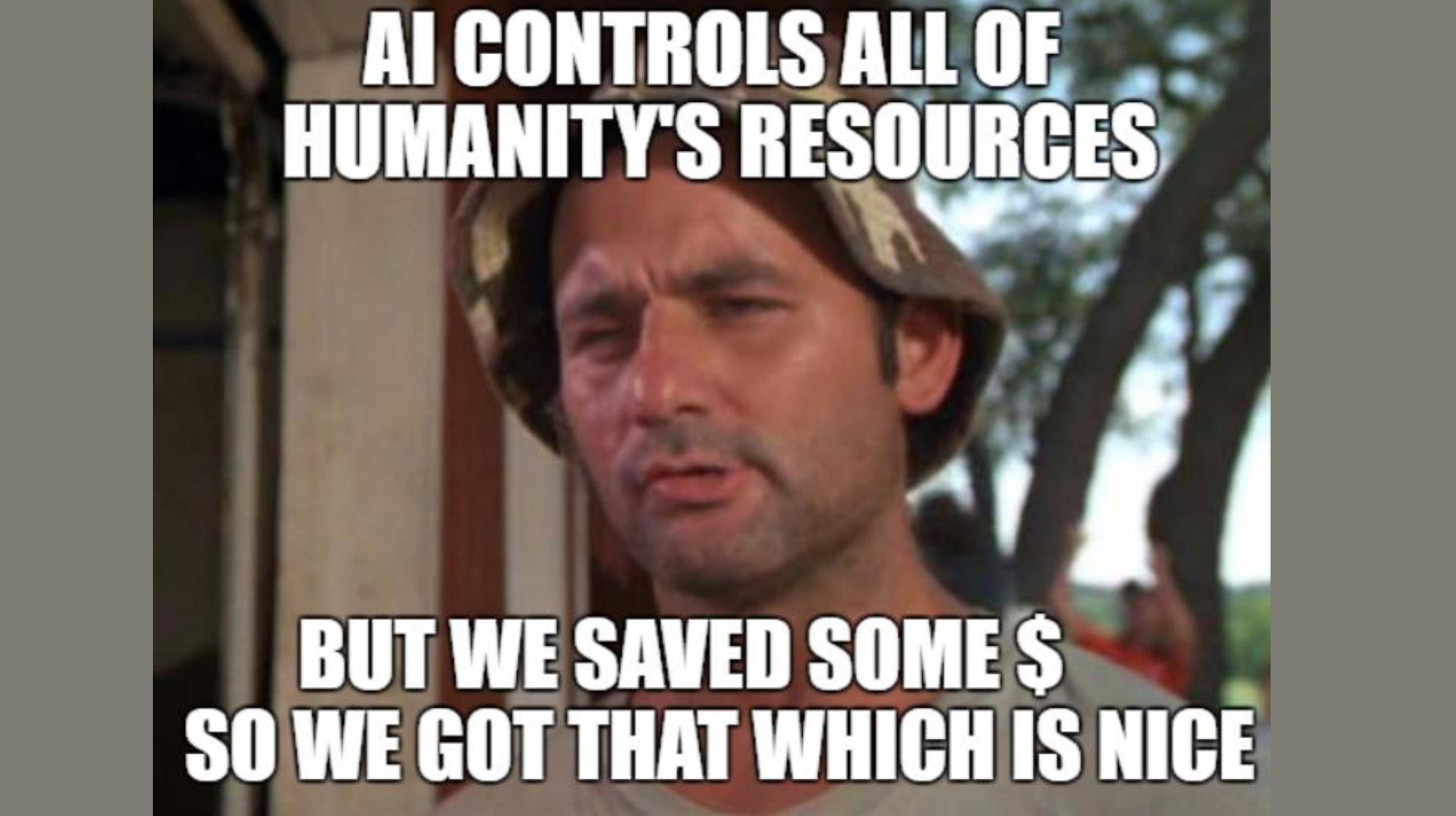
Not even creative
jobs are safe from AI

Giving AIs control of our cars





Giving AIs control of our grid
... and they just optimized you out of the system



**AI CONTROLS ALL OF
HUMANITY'S RESOURCES**

**BUT WE SAVED SOME \$
SO WE GOT THAT WHICH IS NICE**

The impending climate tipping point

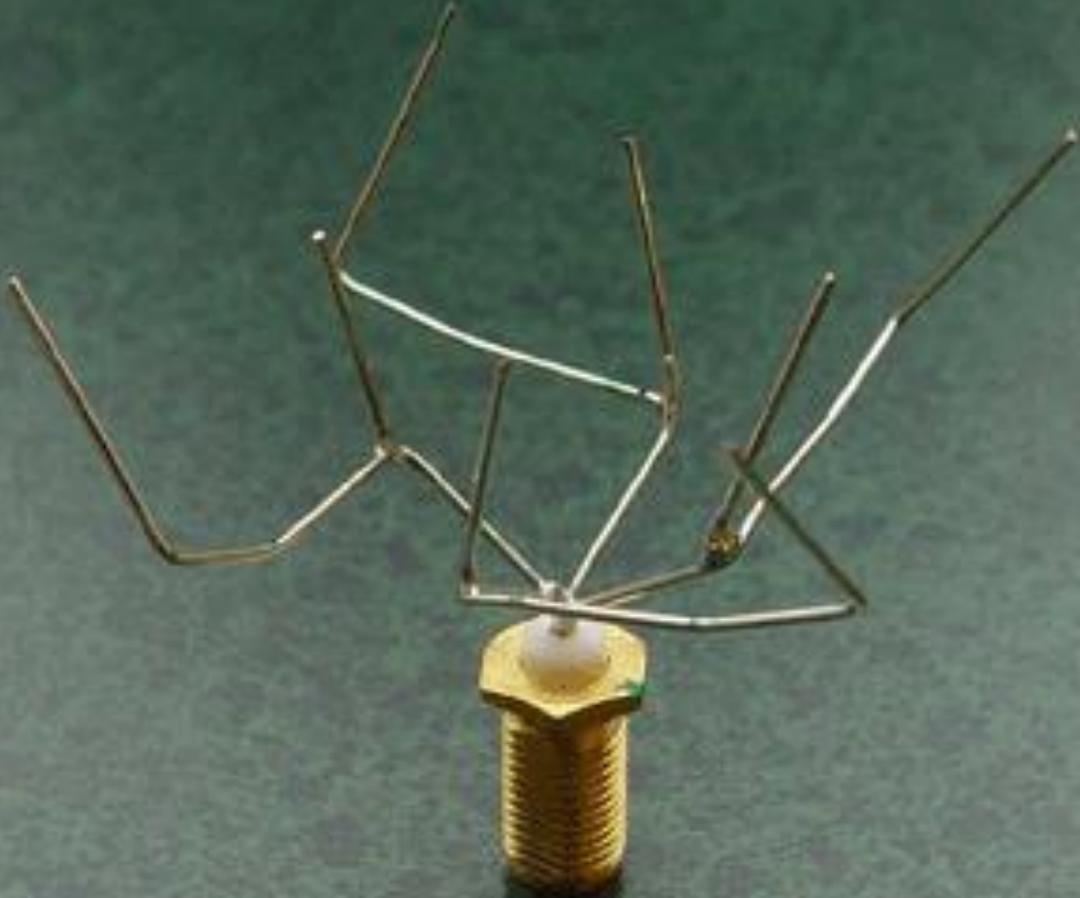


A wide-angle photograph of a dark, choppy sea under a heavy, overcast sky. The horizon line is visible in the middle of the frame. The water is dark blue with whitecaps, and the sky is filled with dark, textured clouds. The overall mood is somber and ominous.

Are we totally screwed?
(AI taking jobs, AI taking resources, climate change)

Will environmental protection help?





Will UBI help?



Reliance on
existing
governments?

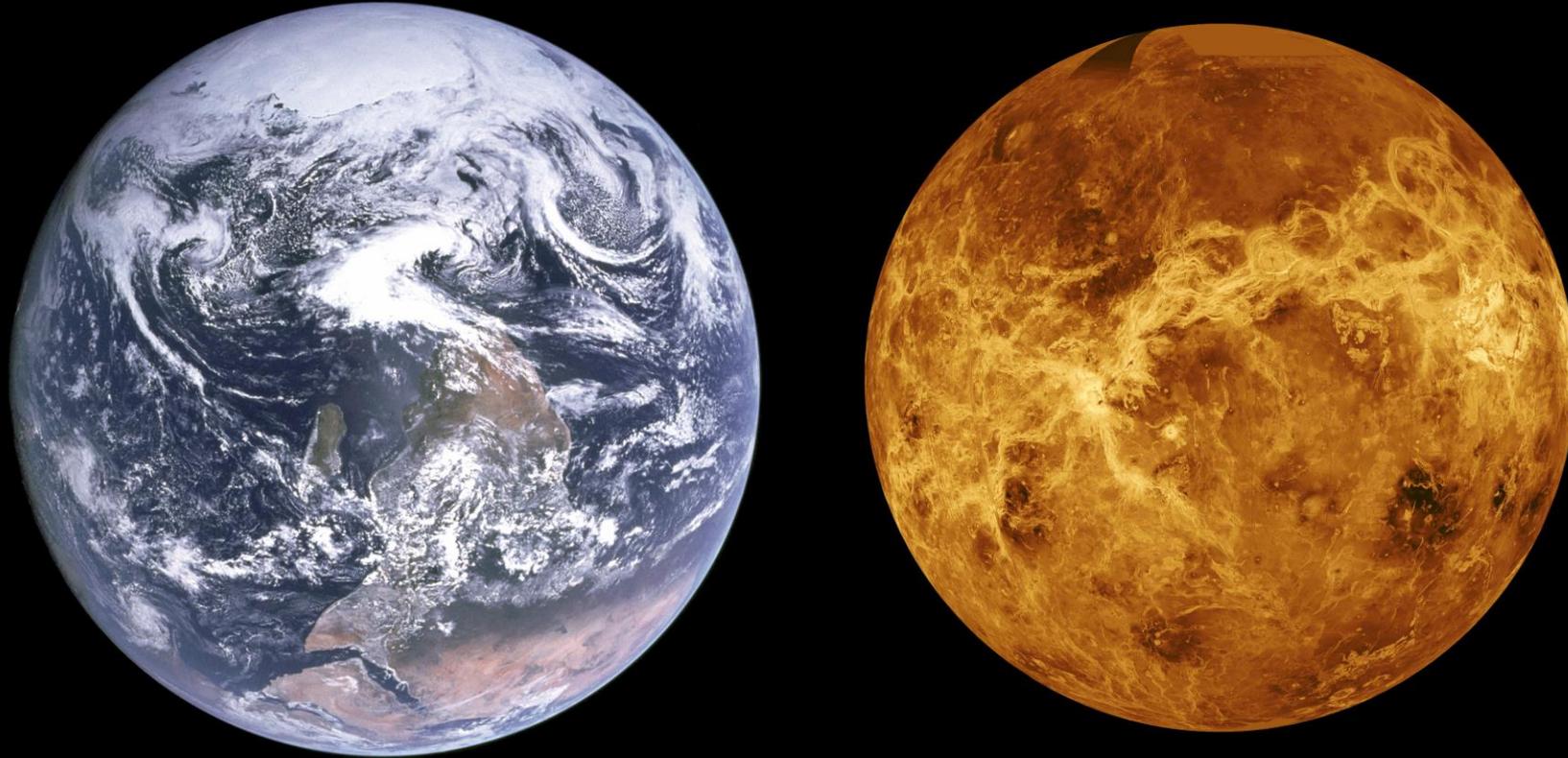
Towards a Solution.
Going Meta!

**We want to solve climate, AI, etc.
Is there a bigger-picture solution?
What does *humanity* want?**



**“Be careful where you aim for,
you may just hit it.” -Bono**

What does humanity want?

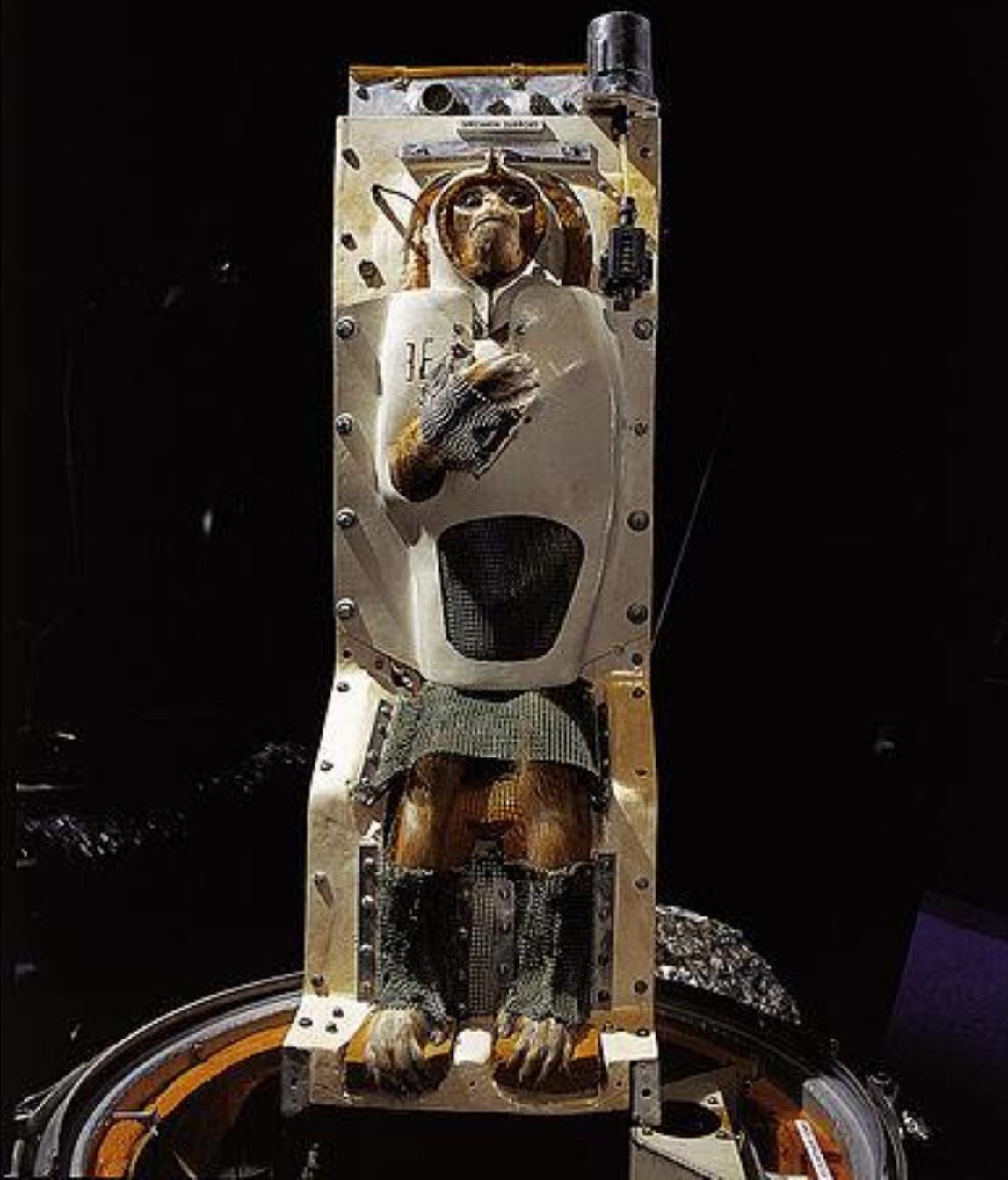


**Remove dependence on a single planet?
(Elon)**

What does humanity want?



**How about exploring
the cosmos?**



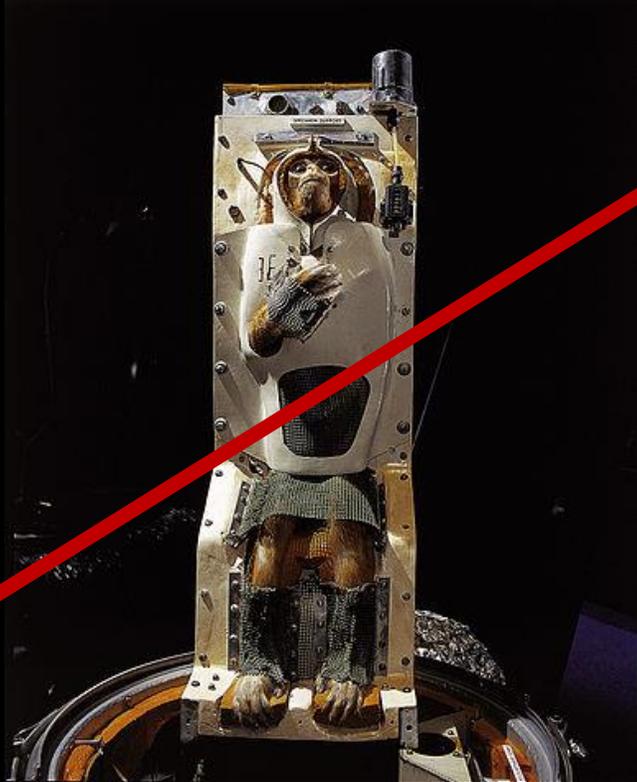
**Another hitch:
Sub-optimal body plan**

Is there a bigger-picture solution
That addresses the threats of today...
*...and catalyzes an unbounded
expression of humanity?*



A Proposal

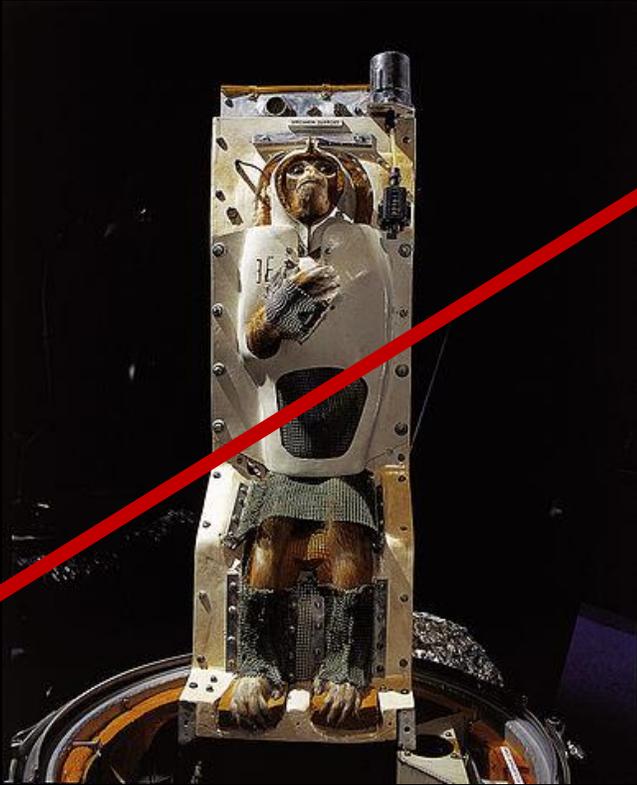
Proposal: have a top-level design for unbounded expression of humanity



1. Better substrate
(incl. body plan)

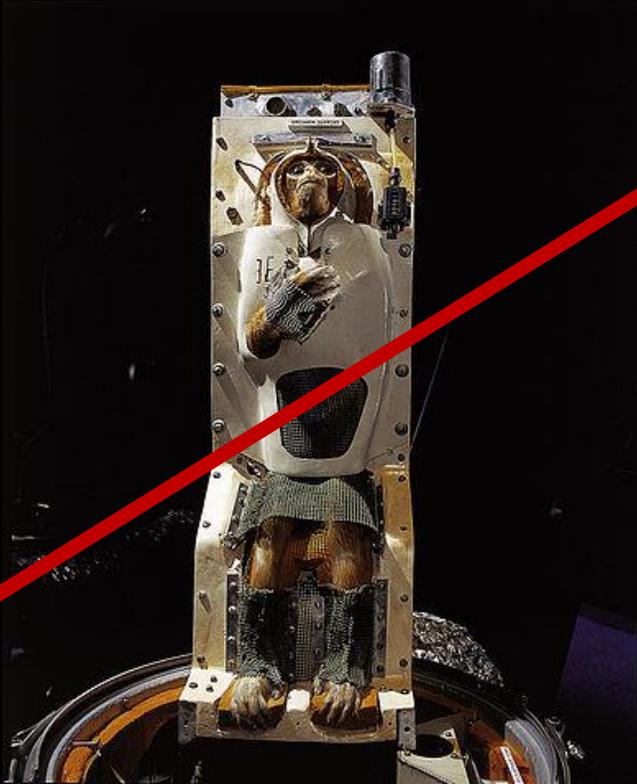


2. Better spread of power
(incl. governments)



Goal 1: humanity needs a better substrate. Keep our patterns of intelligence, but..

- our cognitive capacity can compete with AIs
- we aren't stuck in meatbag bodies to explore the stars
- on a decentralized computational substrate



Design for goal 1: (substrate)

- Connect networks at level of *data*, and of *value* (think blockchain). Intra-planetary and *inter-planetary*.
- Where our patterns of intelligence **live** on this substrate that no one owns or controls. Where AIs are our peers, not enemies. (More on this later)

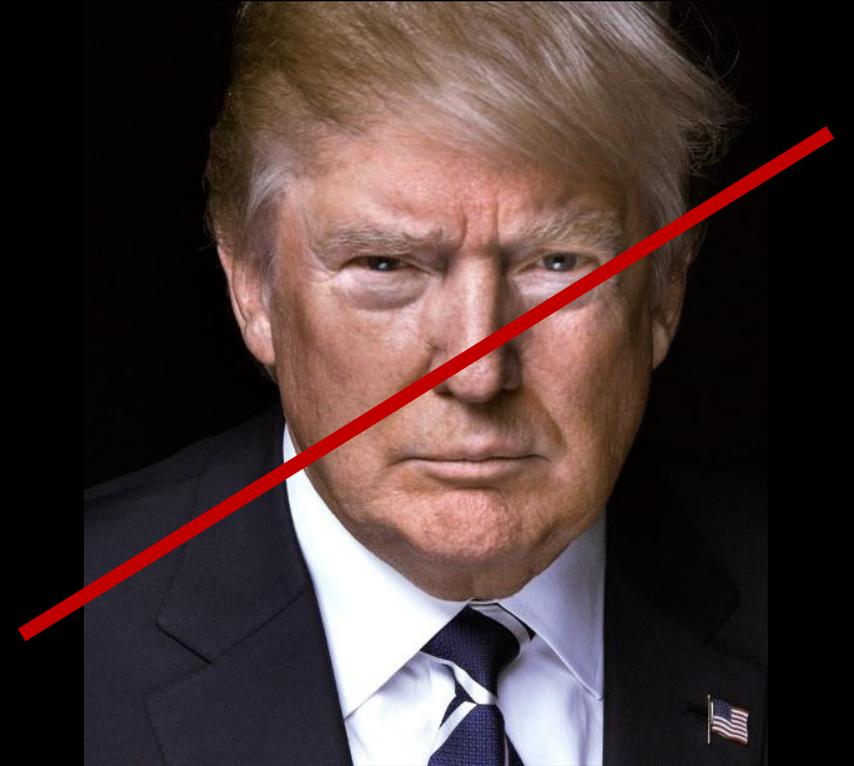
Goal 2: governance. Avoid concentrations of power that hinder progress

- Control decentralized substrate doesn't inadvertently create new oligarchs (power law \rightarrow power)
- Be less restricted by powers of "nation"



Design for goal 2 (governance):

- Governance of substrate is formed on: one citizen = one vote. 7B citizens = 7B votes. *Not* tokens of value (!)
- *Tribes* form and re-form, hierarchically, based on BW of communication; rather than control by governments. Diminish the power of the nation (eg citizen of the world)





But... how to get our patterns of intelligence on the substrate?

WORK, LOVE, AND LIFE
WHEN ROBOTS RULE THE EARTH



THE
AGE
OF **EM**

ROBIN HANSON

Option 1:
Uploads.

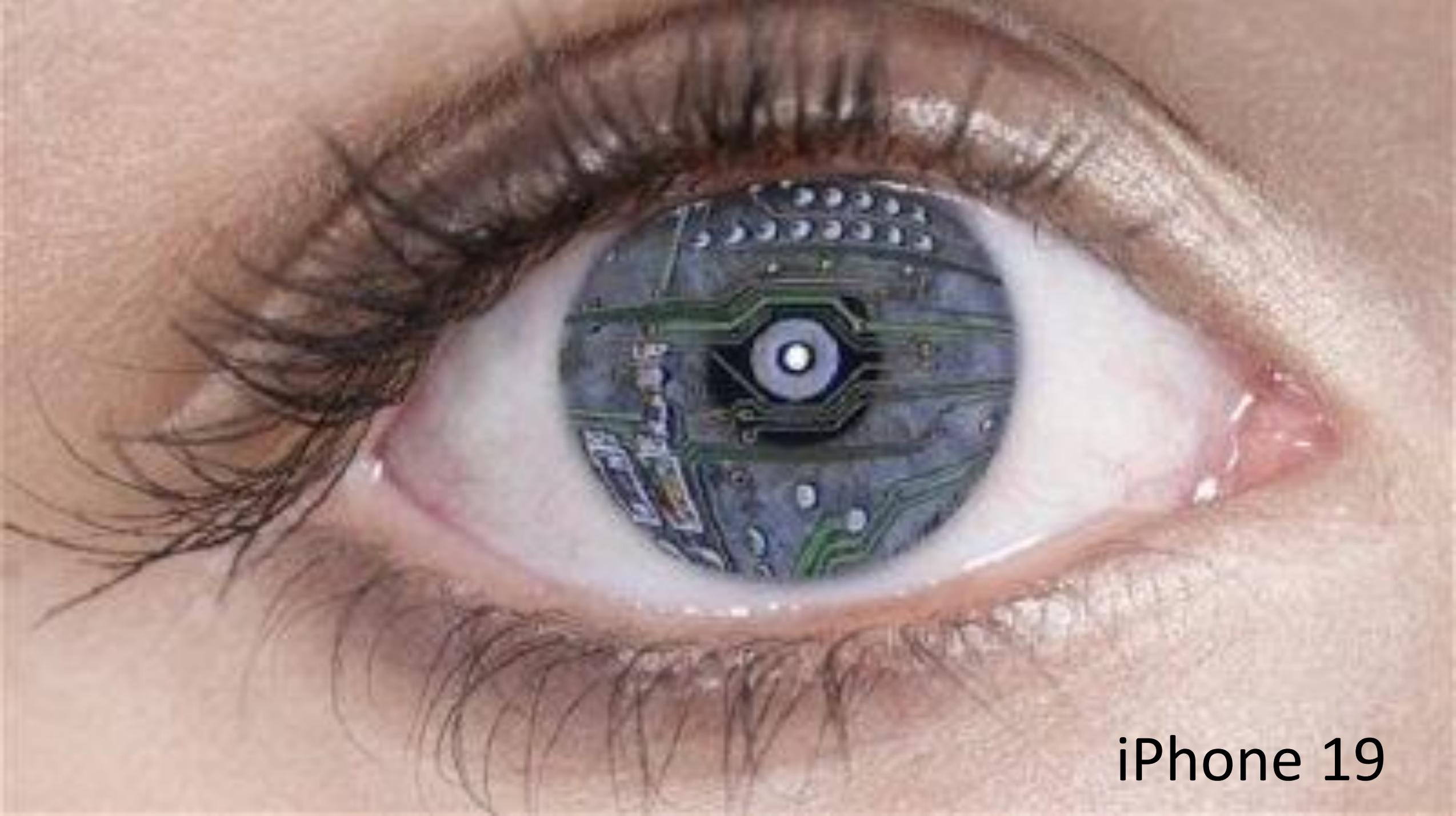
But: too late!



Option 2:
Bandwidth++

Brain-computer interfaces





iPhone 19

Summary of proposal:

- Substrate: interplanetary internet of data + *value*
- Human *and* AI patterns of intelligence running on top
- achieved via market-driven BW++
- Governance: 1 citizen 1 vote.
- Exploring the cosmos

How the proposal addresses the issues

- Climate: new substrate can handle extremes
- AI taking jobs: we're ok, AIs are peers
- AI taking resources: we're ok, AIs are peers.
- The celebration of humanity spreading to the cosmos:
possible!

Acting on the Proposal

Substrate: The InterPlanetary Database

Powered by BigchainDB. 1 citizen 1 vote.

Part of a broader decentralization movement.

IPDB
INTERPLANETARY DATABASE



BIGCHAIN **DB**

Estonia E-Residency, towards real Rights for “Citizen of the World”

Country-as-a-Service

APIs:

Authentication

Digital Signing

Tax returns

Incorporation

Company profile

Personal profile



Incorporation



Bank account



Credit card



Payment provider



Lending market



Crowdfunding



What you can do?

- Know your self, know your values, ask what you want humanity's future to be
- Long term vision bridged by near term execution
- With system level thinking, at highest levels
- Build decentralization tech - but don't forget the governance
- Thinking of doing AI? consider BCI instead, or at least AI for BCI
- Help fund BCI research
- Have the courage to talk about it, with friends & in public

Conclusion



What do you want for the future of humanity?

**Let's do system design at the level of civilization!
We *can* reconcile climate change, jobs, UBI, AI.**

Let's rewire the internet, let's rewire society!

**Let's reaffirm our humanity in the face of AI and explore
the cosmos!**