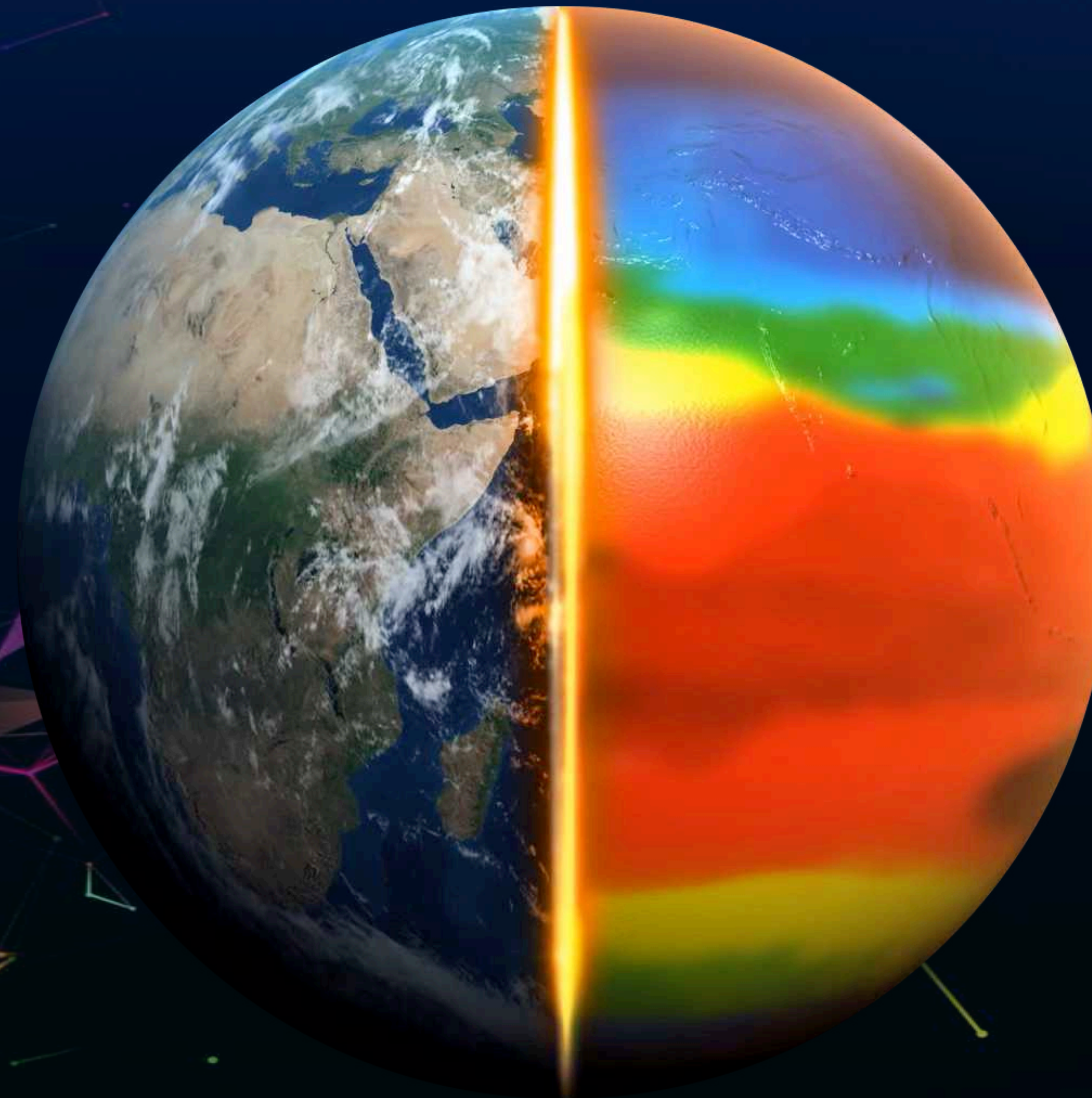


The next 10 years: why and how The Good Future is entirely possible

Gerd Leonhard, Public Thinker, Futurist & CEO The Futures Agency



Gerd



techvshuman.com



@gleonhard



gerdtube.com



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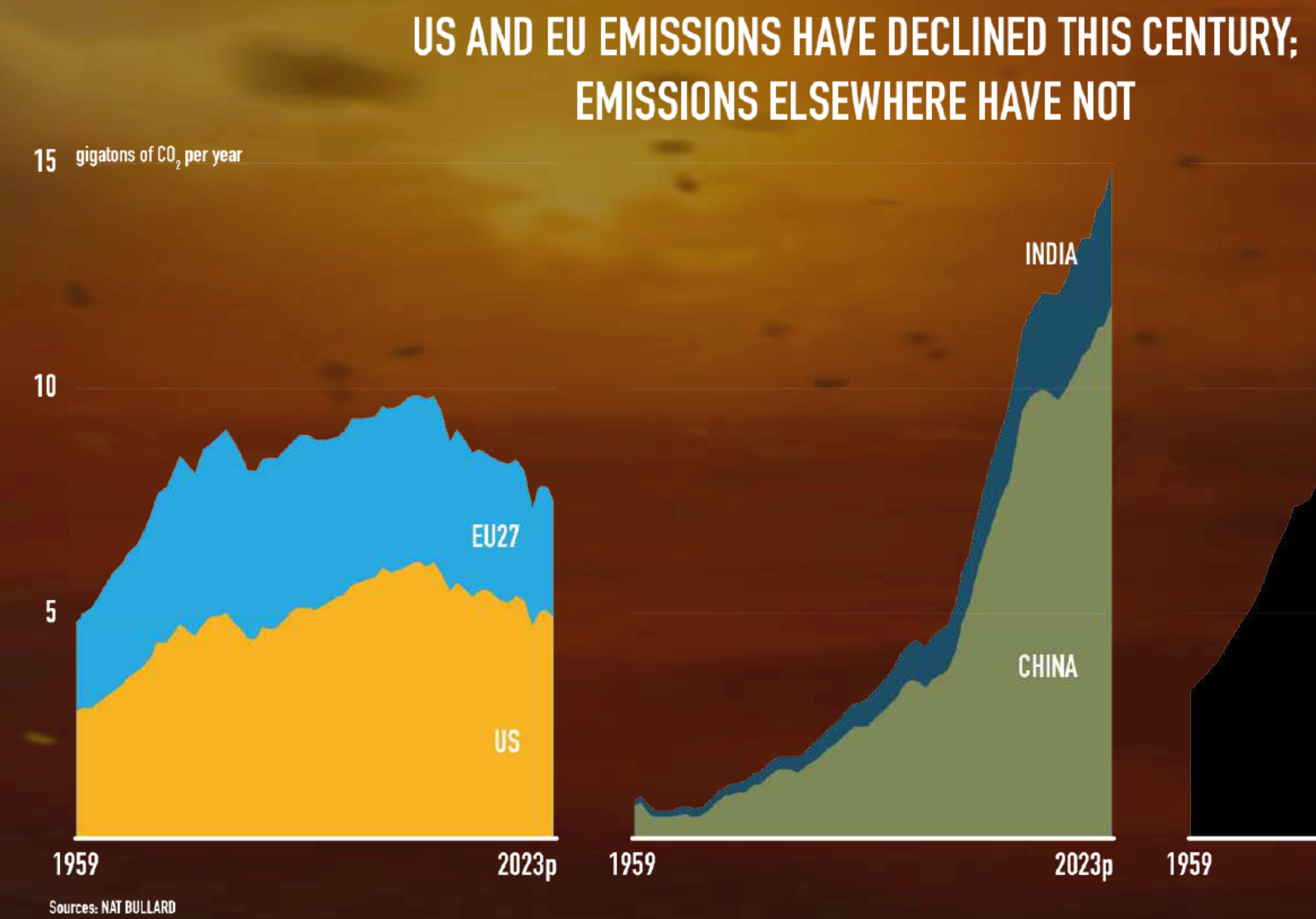
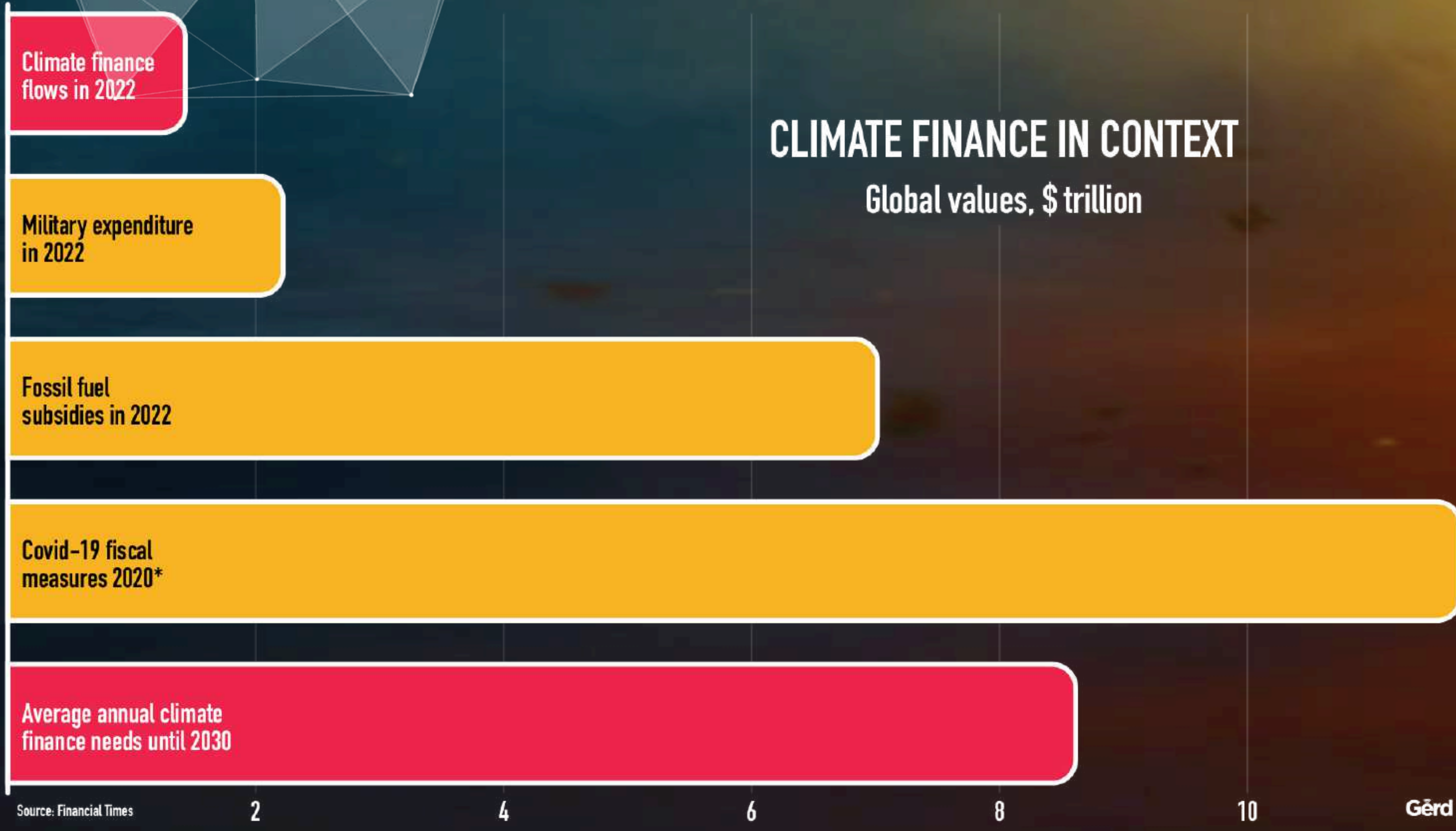


futuristgerd.com

SPARK
CAPGEMINI CXO FORUM

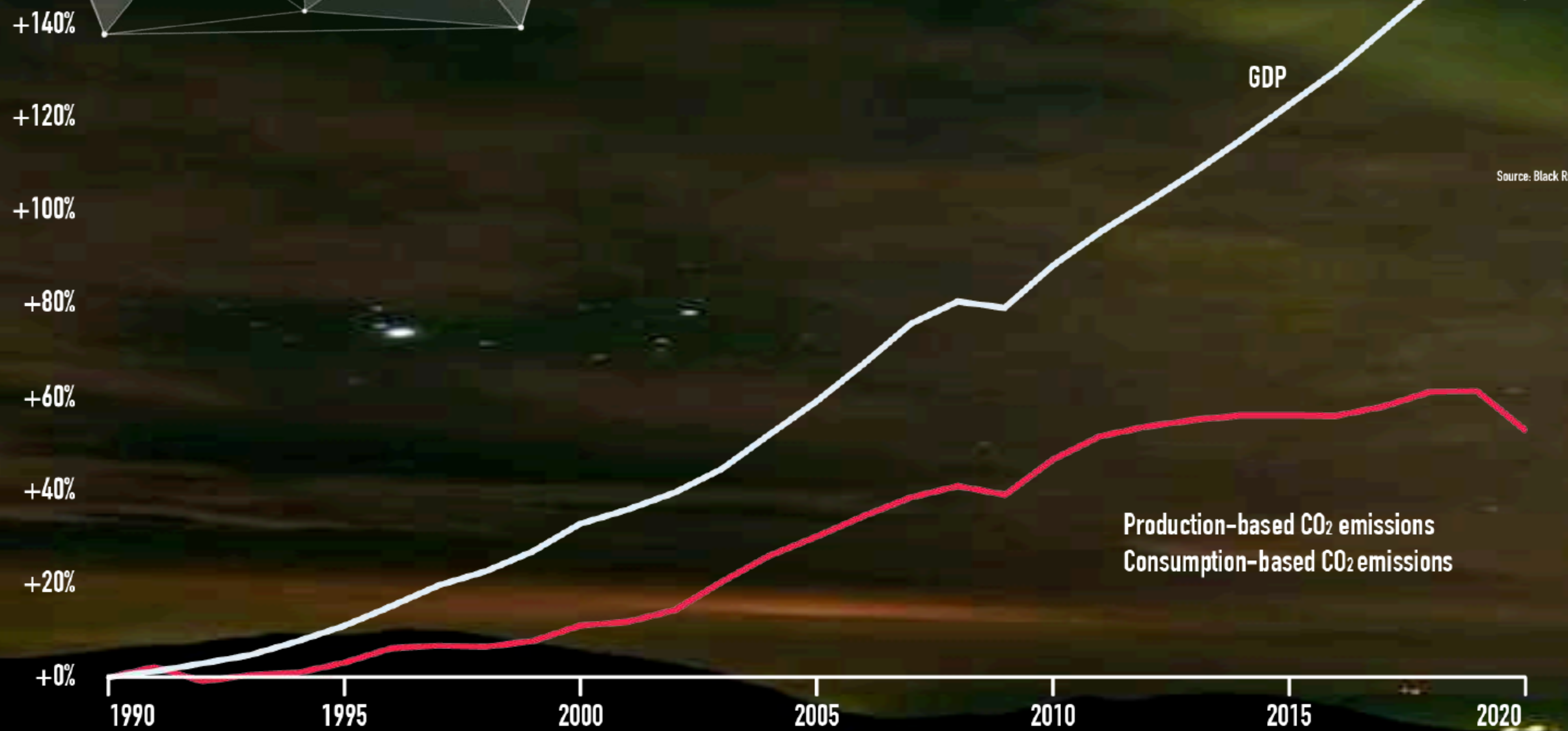


THE BAD FUTURE



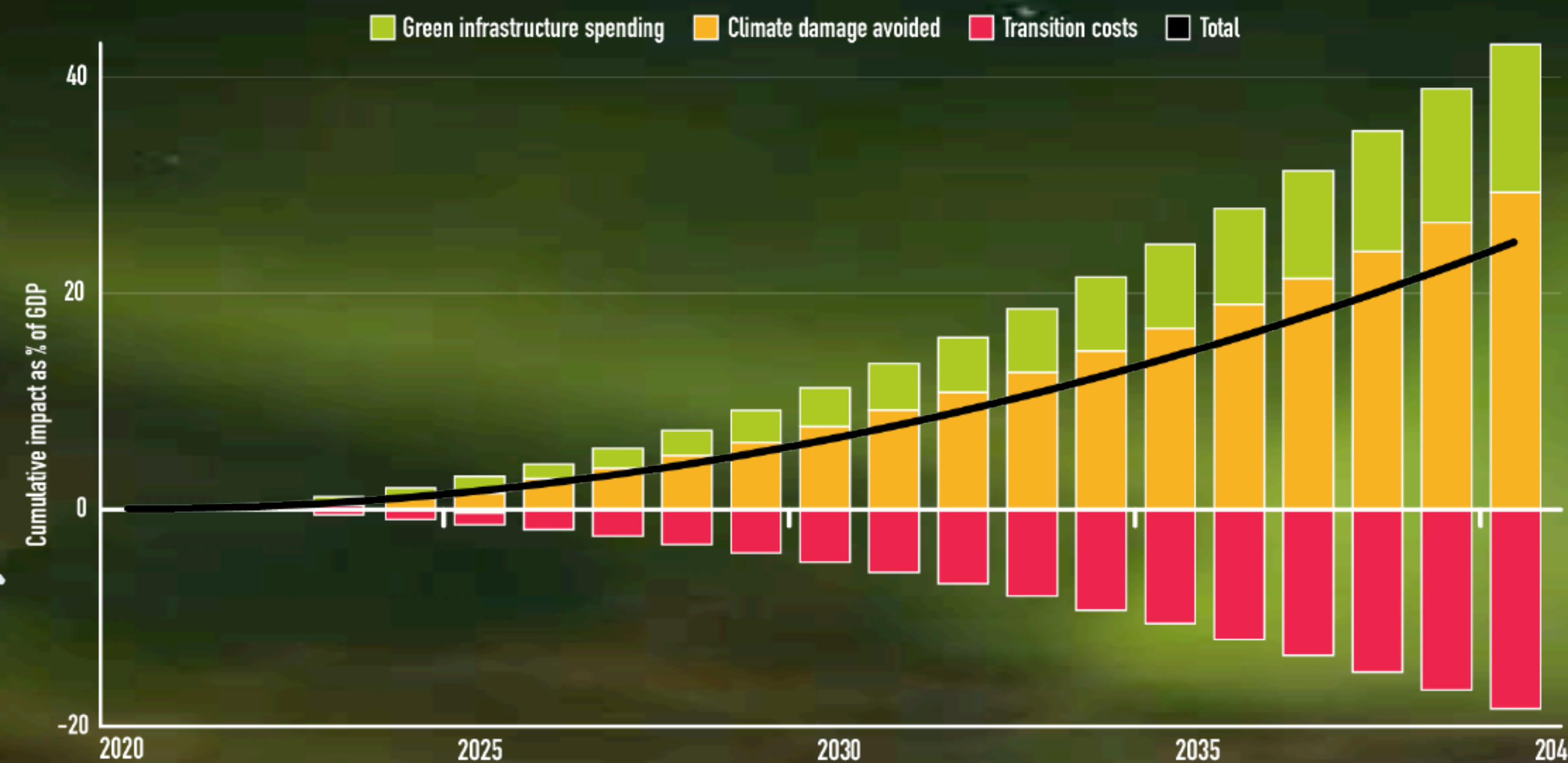
THE GOOD FUTURE

DECOUPLING GDP FROM CARBON



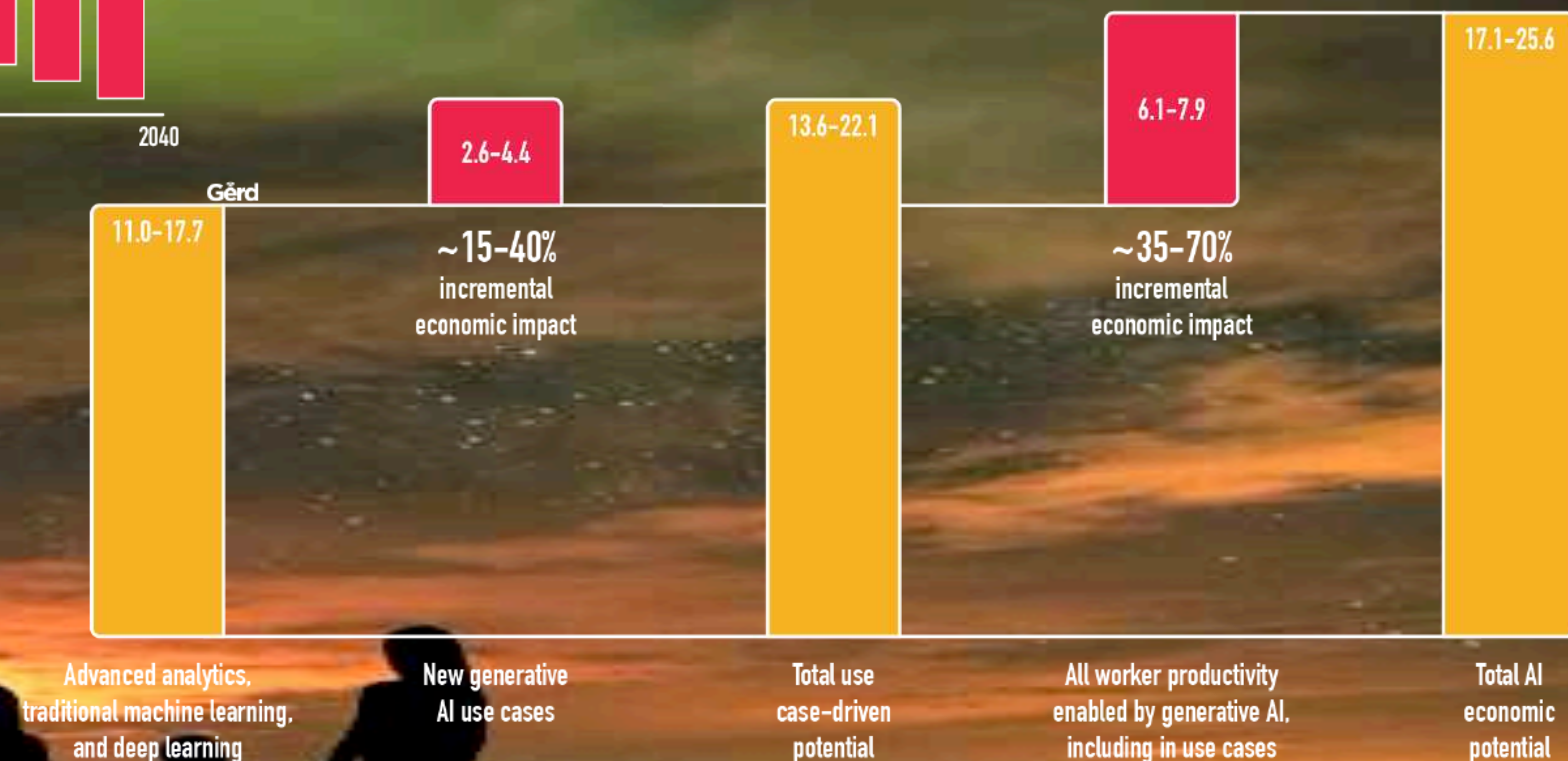
Source: Our World in Data

TRANSITION RESULTS IN NET ECONOMIC GAIN ESTIMATED CUMULATIVE GDP IMPACT OF TRANSITION, 2020-2040



Source: Black Rock Partners

AI'S POTENTIAL IMPACT ON THE GLOBAL ECONOMY, \$ TRILLION



Advanced analytics, traditional machine learning, and deep learning

New generative AI use cases

Total use case-driven potential

All worker productivity enabled by generative AI, including in use cases

Total AI economic potential

Sources: Analytics Vidhya

Gerd

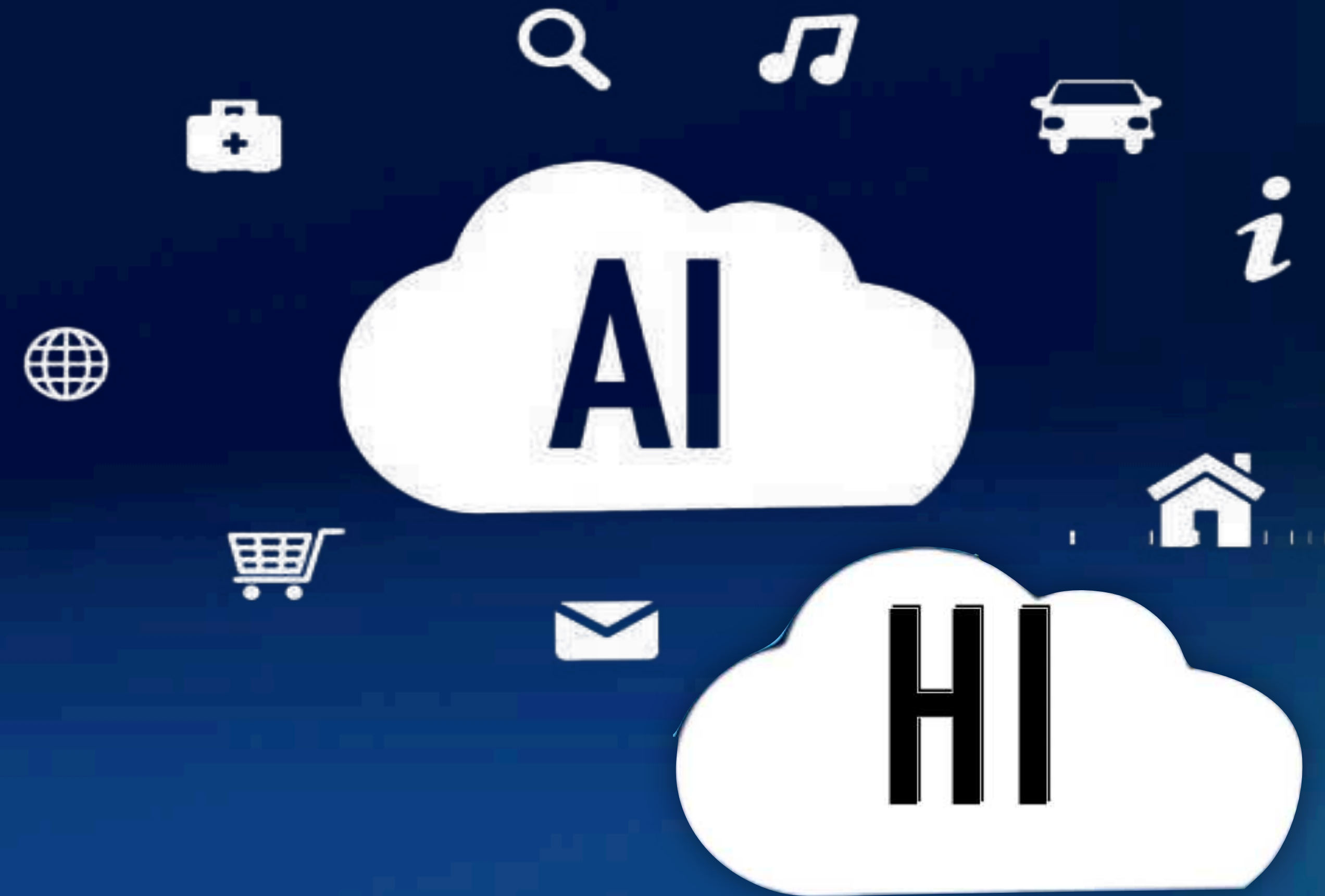
**“We should be optimistic not because our problems are smaller than we thought,
but because OUR CAPACITY TO SOLVE THEM IS LARGER THAN WE THOUGHT” Kevin Kelly**

CAPACITY TO CHANGE?

**THE GOOD
FUTURE**



DIGITAL REVOLUTION



SUSTAINABILITY REVOLUTION



PURPOSE REVOLUTION



**DIGITAL
REVOLUTION**

**SUSTAINABILITY
REVOLUTION**

**PURPOSE
REVOLUTION**

MEGA-CHALLENGE

CAPITALISM

Economy

Planet

Profitable

Sustainable

POLICY

Profit & Growth

**People, Planet,
Purpose, Prosperity**

**Humans
Doing Routines**

WORK

**Machines
Doing Routines**

AI IS NOW A **GENERAL PURPOSE TECHNOLOGY** – AND THE NEXT PLATFORM ‘FOR EVERYTHING’



Source: Nasscom Community

AI: “Computer systems that turn information and data into **KNOWLEDGE**”

DEMIS HASSABIS (DEEPMIND / GOOGLE)

Gerd

AI IS NOW A **GENERAL PURPOSE TECHNOLOGY**



Steam Engine
(1698)

Source: Nasscom Community



Electricity
(1879)

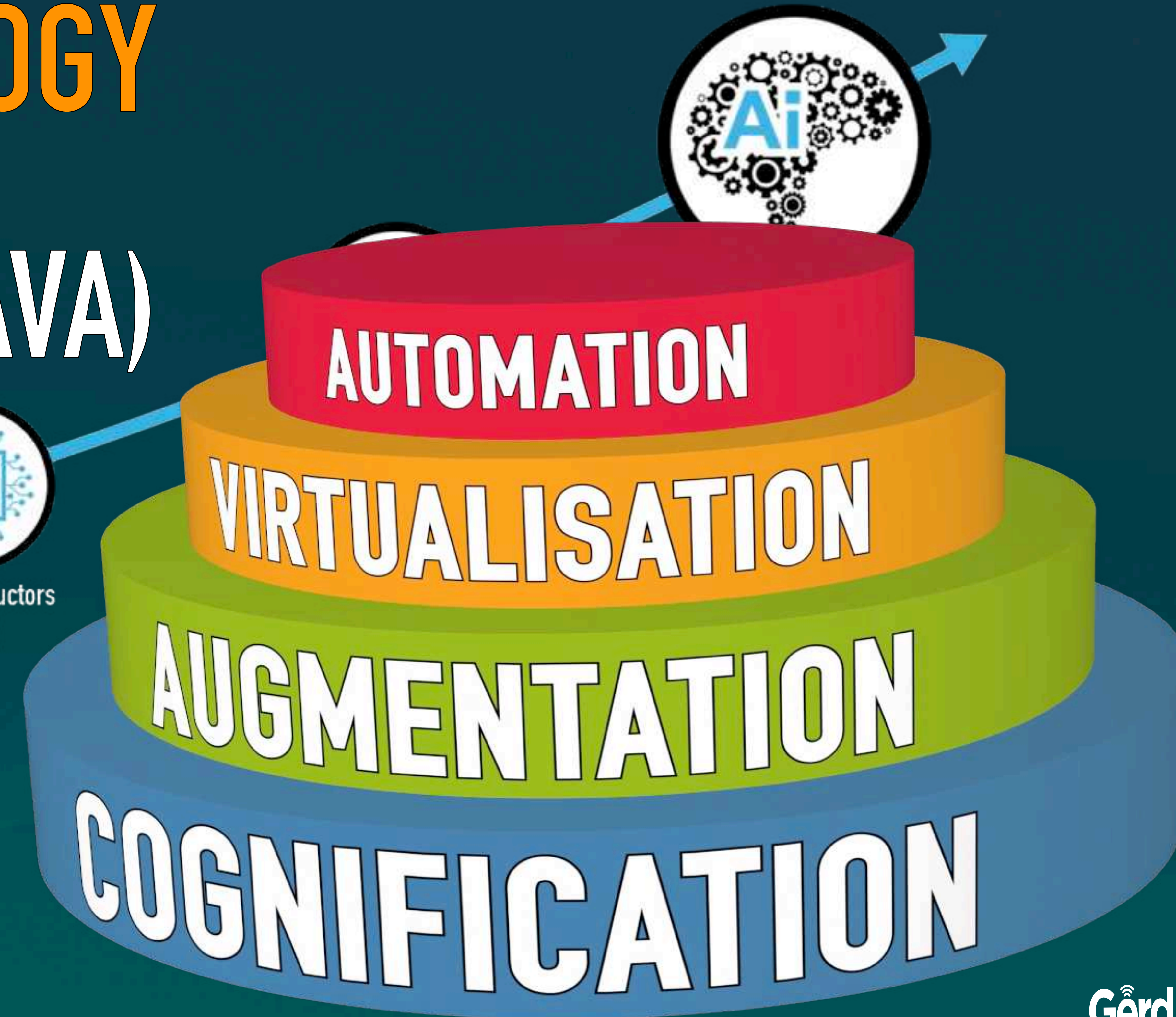


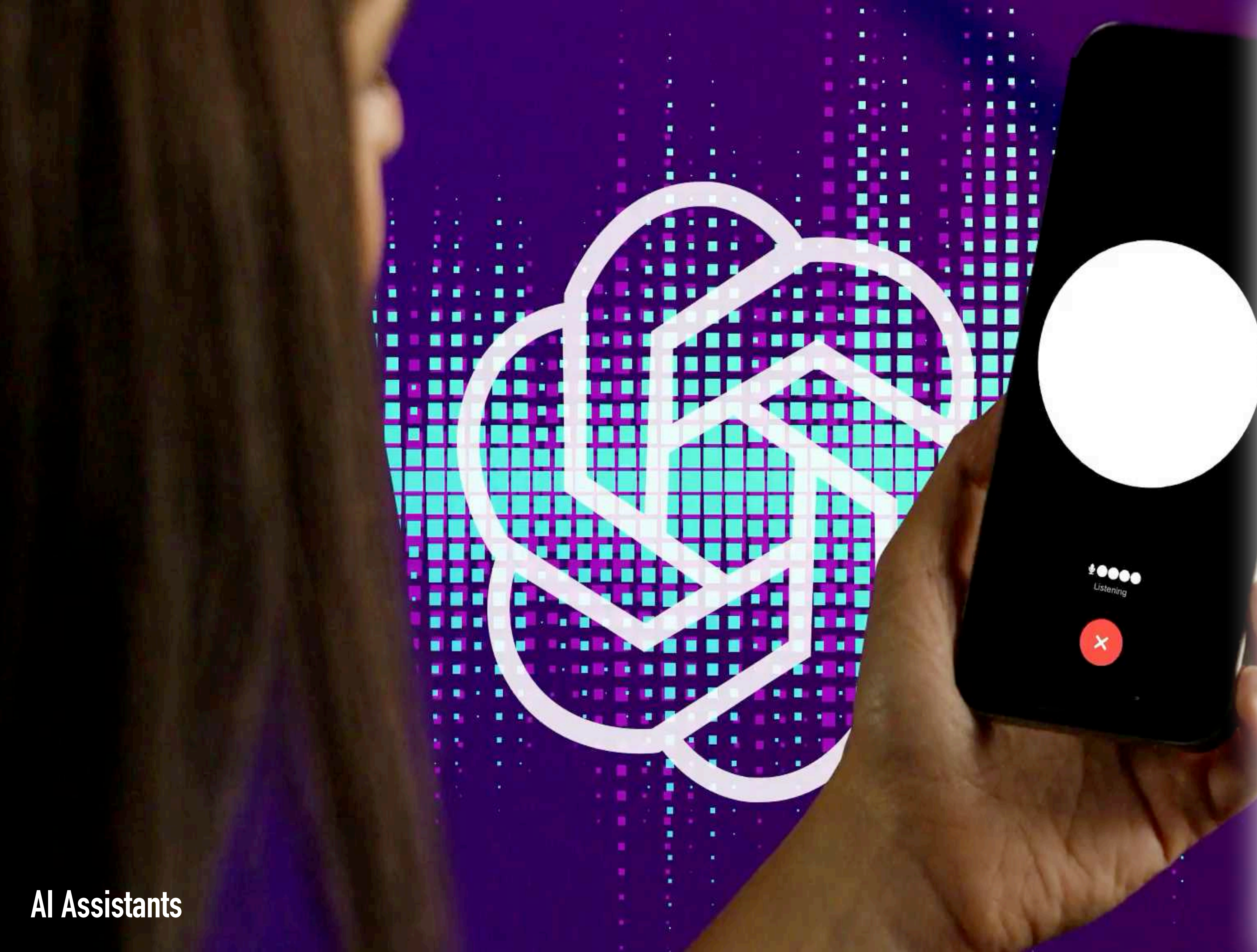
Computer
(1946)



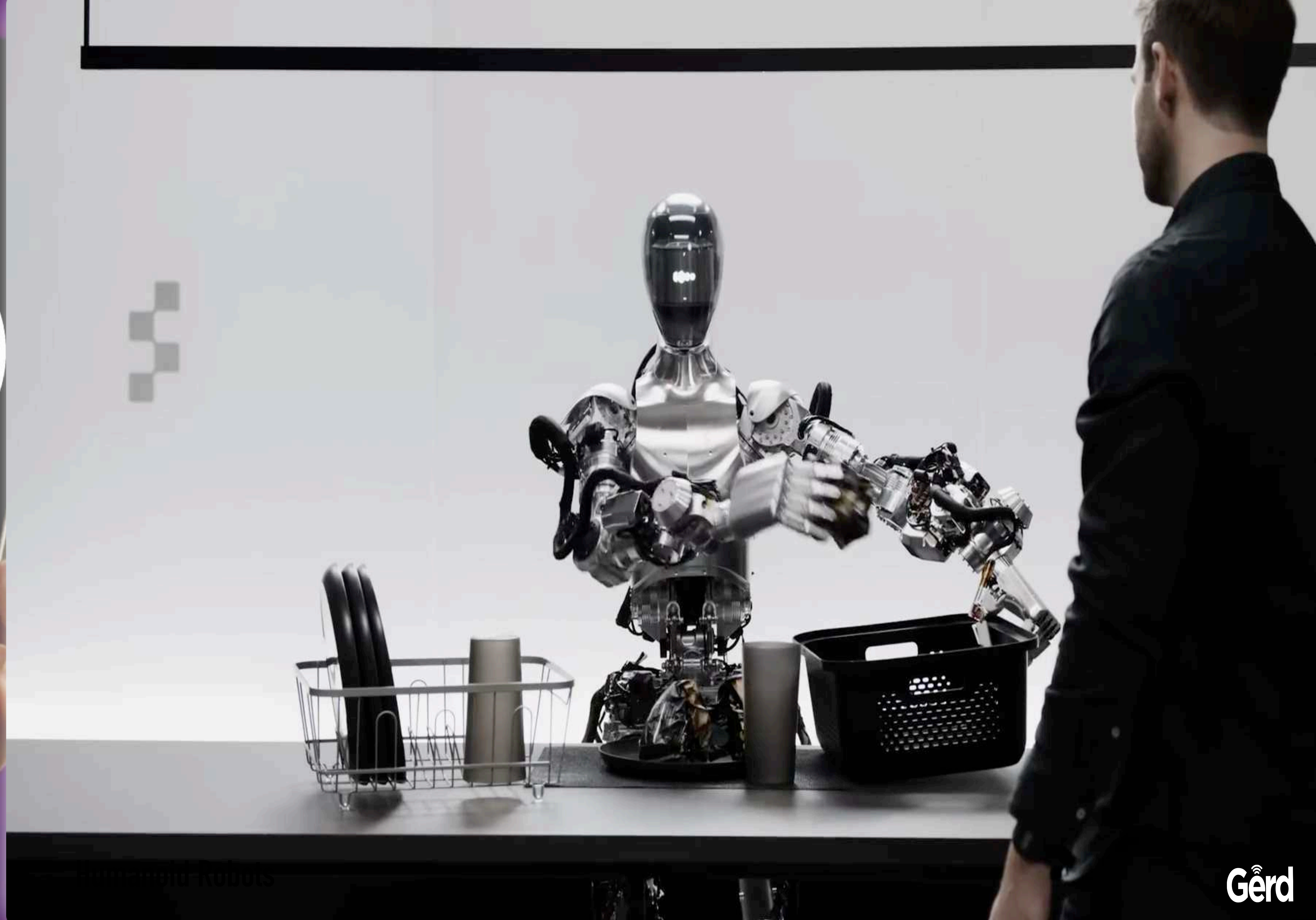
Semi-Conductors
(1947)

(CAVA)





AI Assistants



Gerd



“Every professional will have an
AI ASSISTANT of their own,
within the next 3 years”

(Thomson Reuters Report 2024)



Sam Altman, CEO, OpenAI, on building AGI:

“The coming change will center
around the most impressive of
human capabilities:

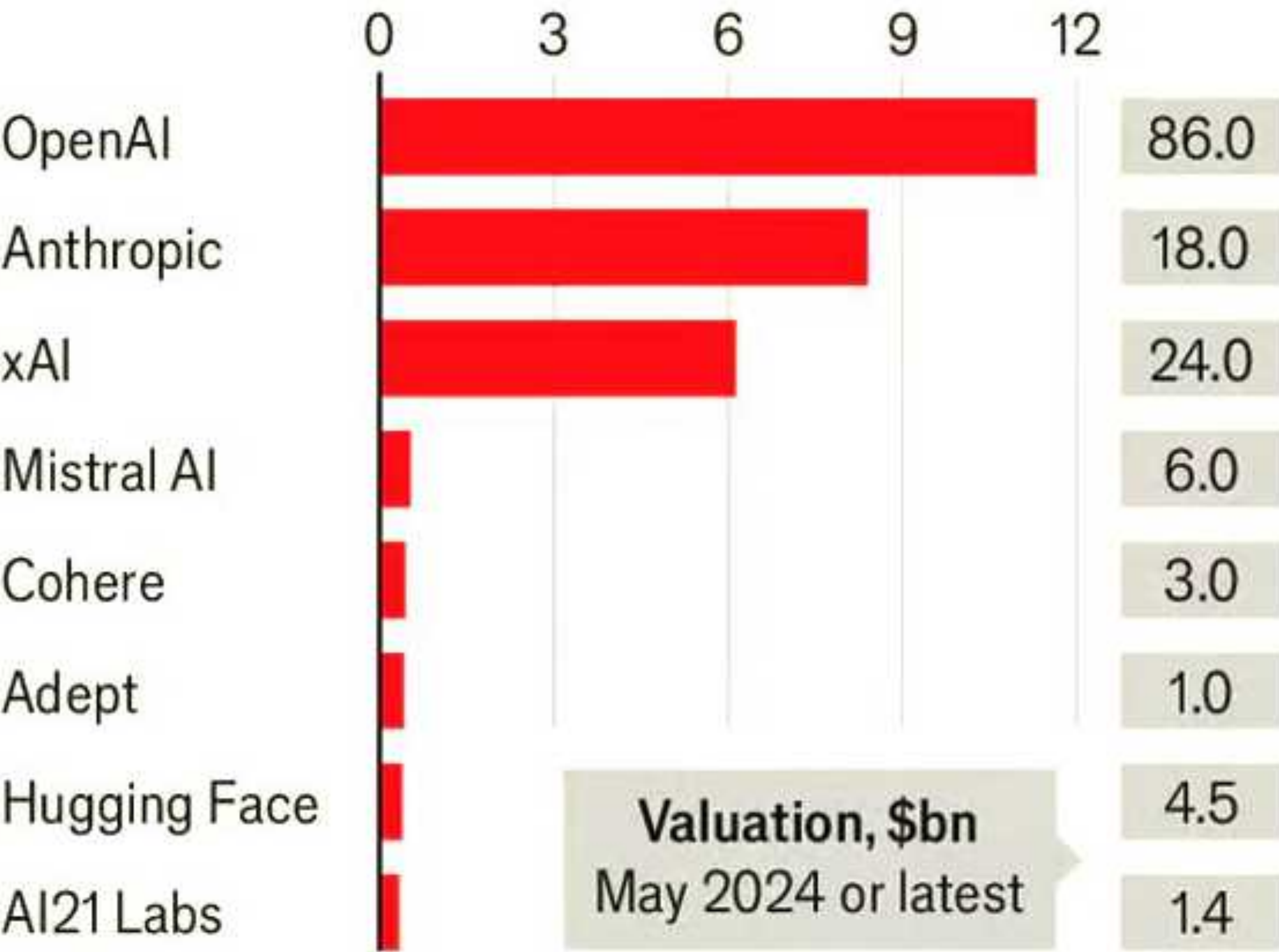
**THE PHENOMENAL ABILITY TO THINK,
CREATE, UNDERSTAND, AND REASON.**



The money isn't artificial

The Economist

AI startups, cumulative capital raised, \$bn
May 2024



Sources: PitchBook; company reports





Technology^X: The question is no longer what is possible but **WHAT DO WE WANT**

If?

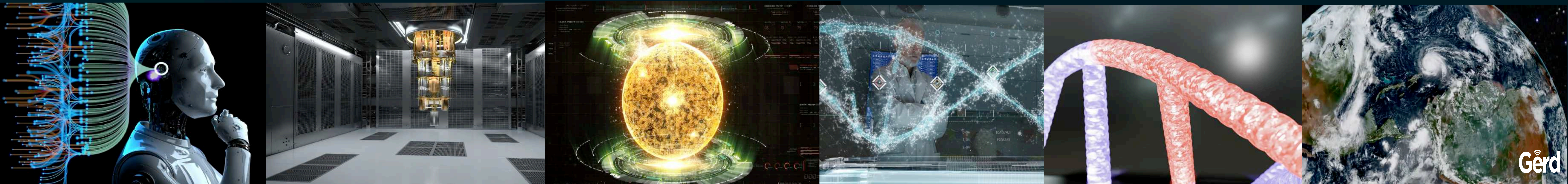
How?



TECHNOLOGY HAS NO ETHICS

Technology^x: Who will be **mission control** for humanity?

Telos

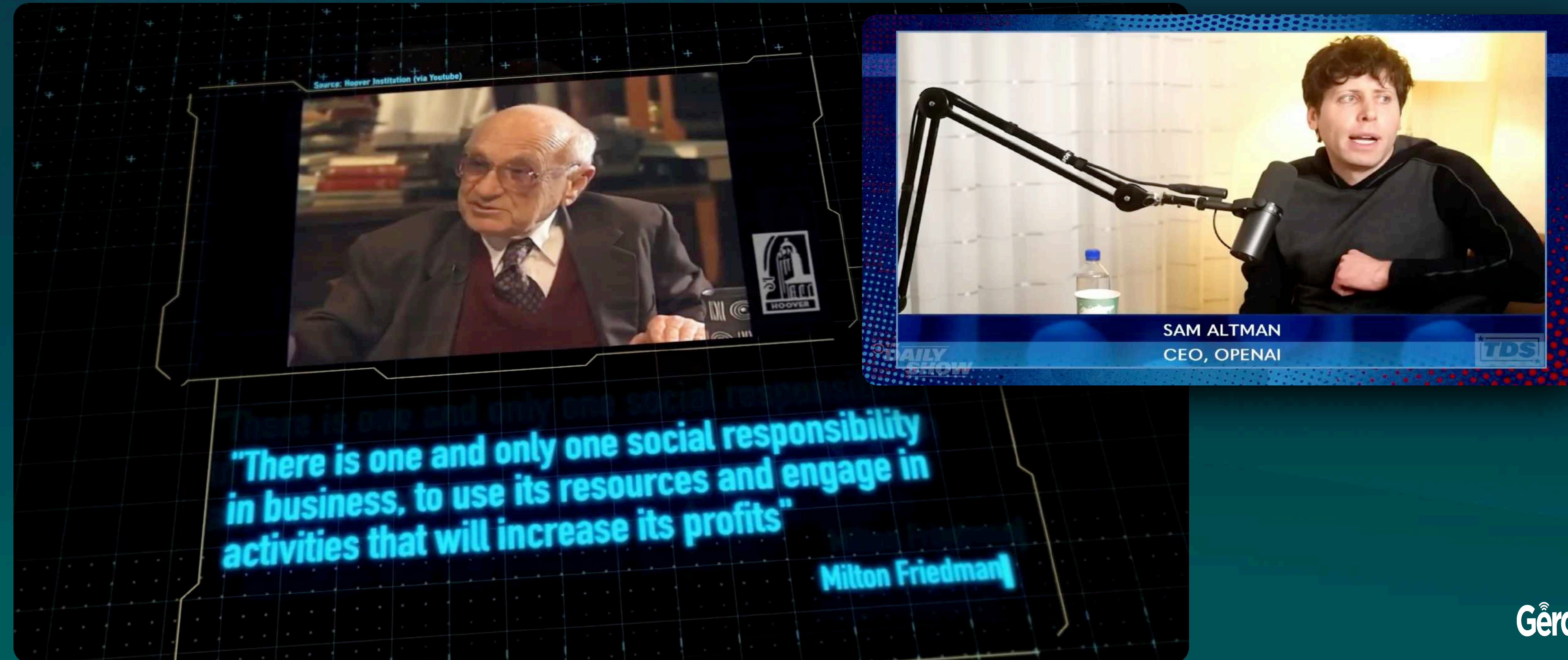


Techno-Optimist-Libertarians: Everything can be solved with free markets and better technology



Marc Andreessen, VC

“No material problem – including those caused by technology – cannot be solved with more technology”



Gerd

Jon Stewart Daily Show (via Youtube)

EXPERTS' VIEWS ON AI'S LEVEL OF IMPACT ON SOCIAL INSTITUTIONS AND SYSTEMS

More Negative More Positive

Reducing wealth inequalities in society



Politics and elections



Warfare



Level of civility in society



Criminal justice systems



Primary and secondary schools



Colleges and universities



Environmental protection and sustainability



Quality of life in rural and remote areas



Overall economic performance



Quality of life in cities



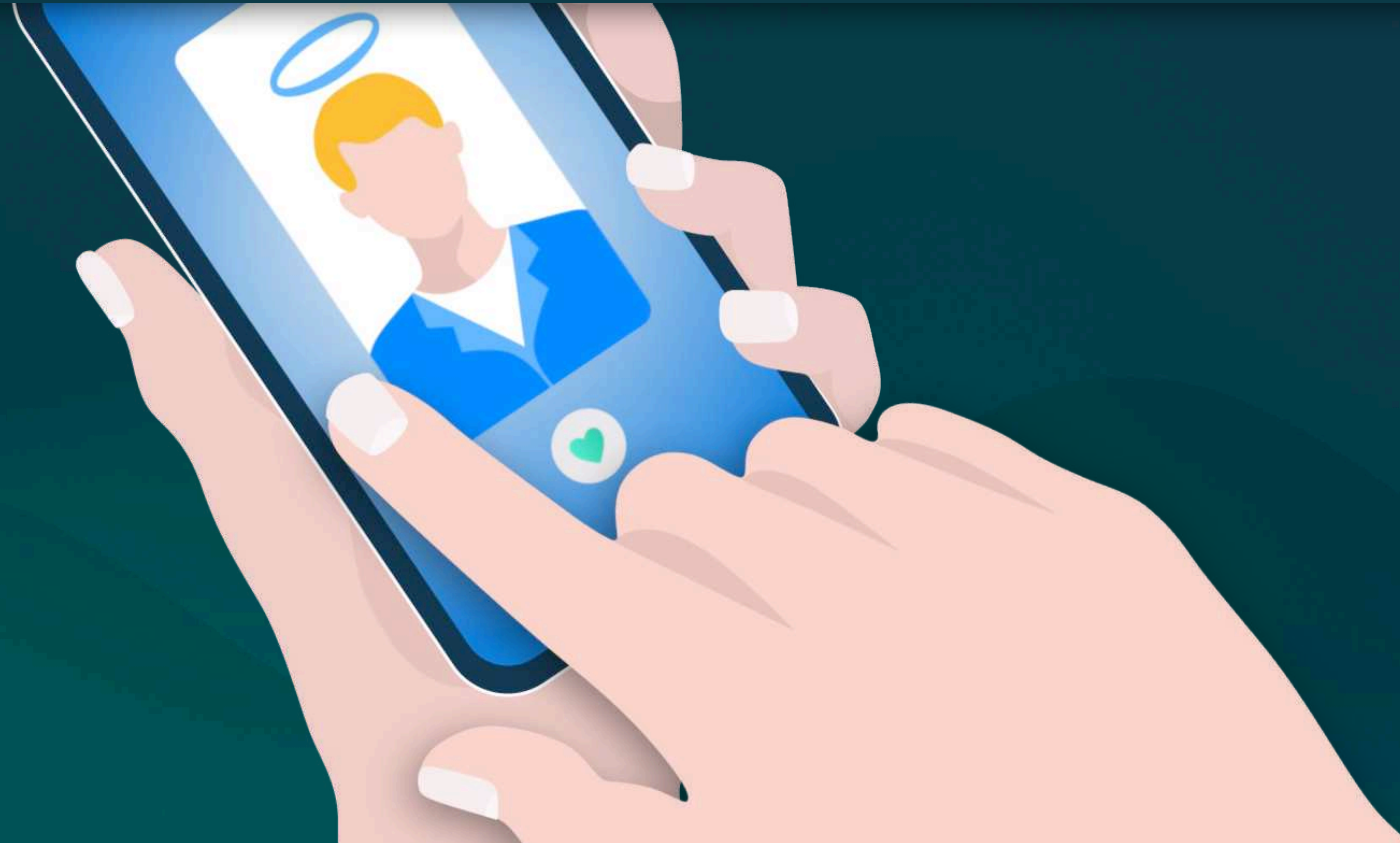
Healthcare systems, quality of medical treatment



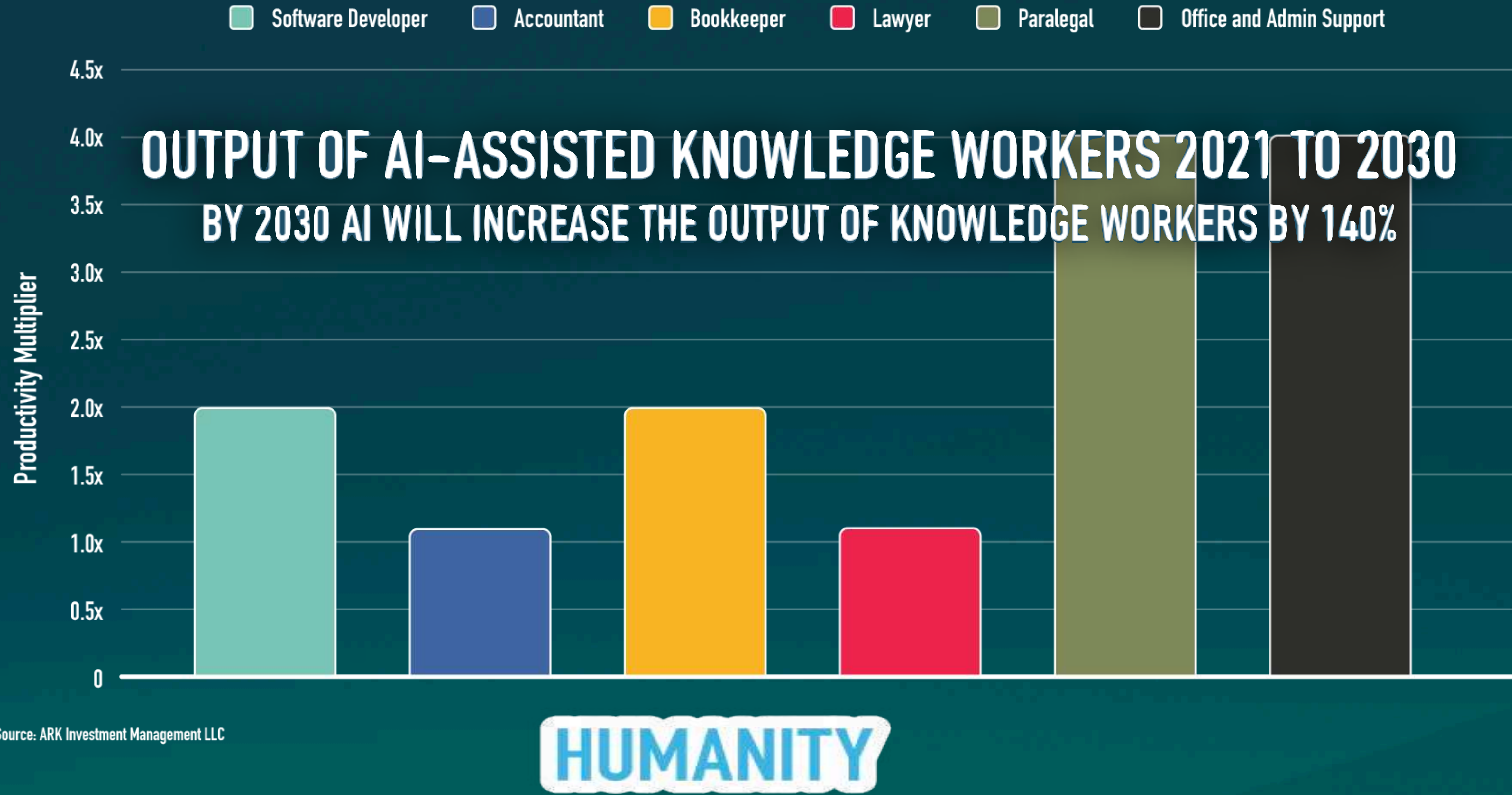
Transportation systems' ability to move people and goods safely and efficiently



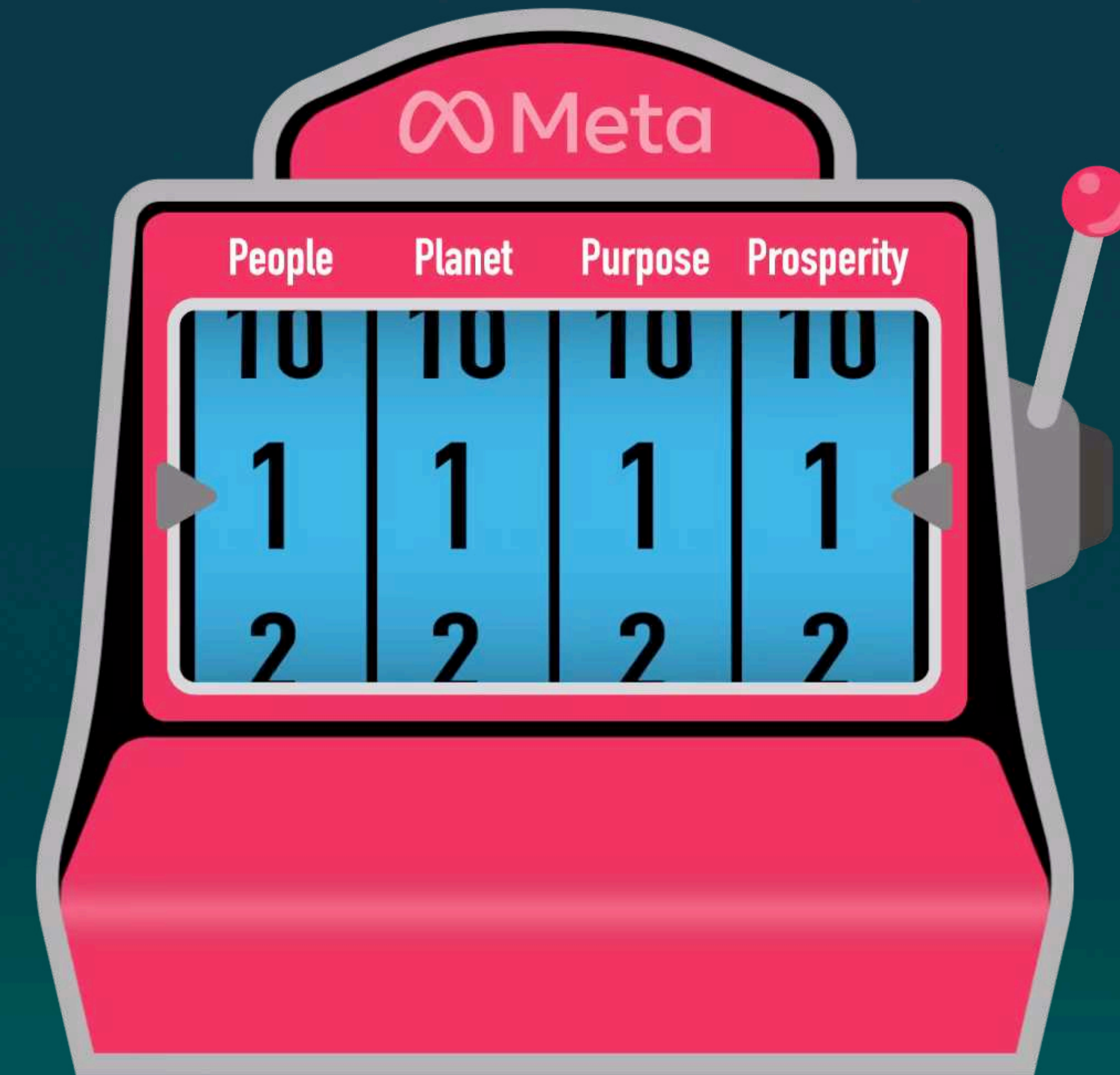
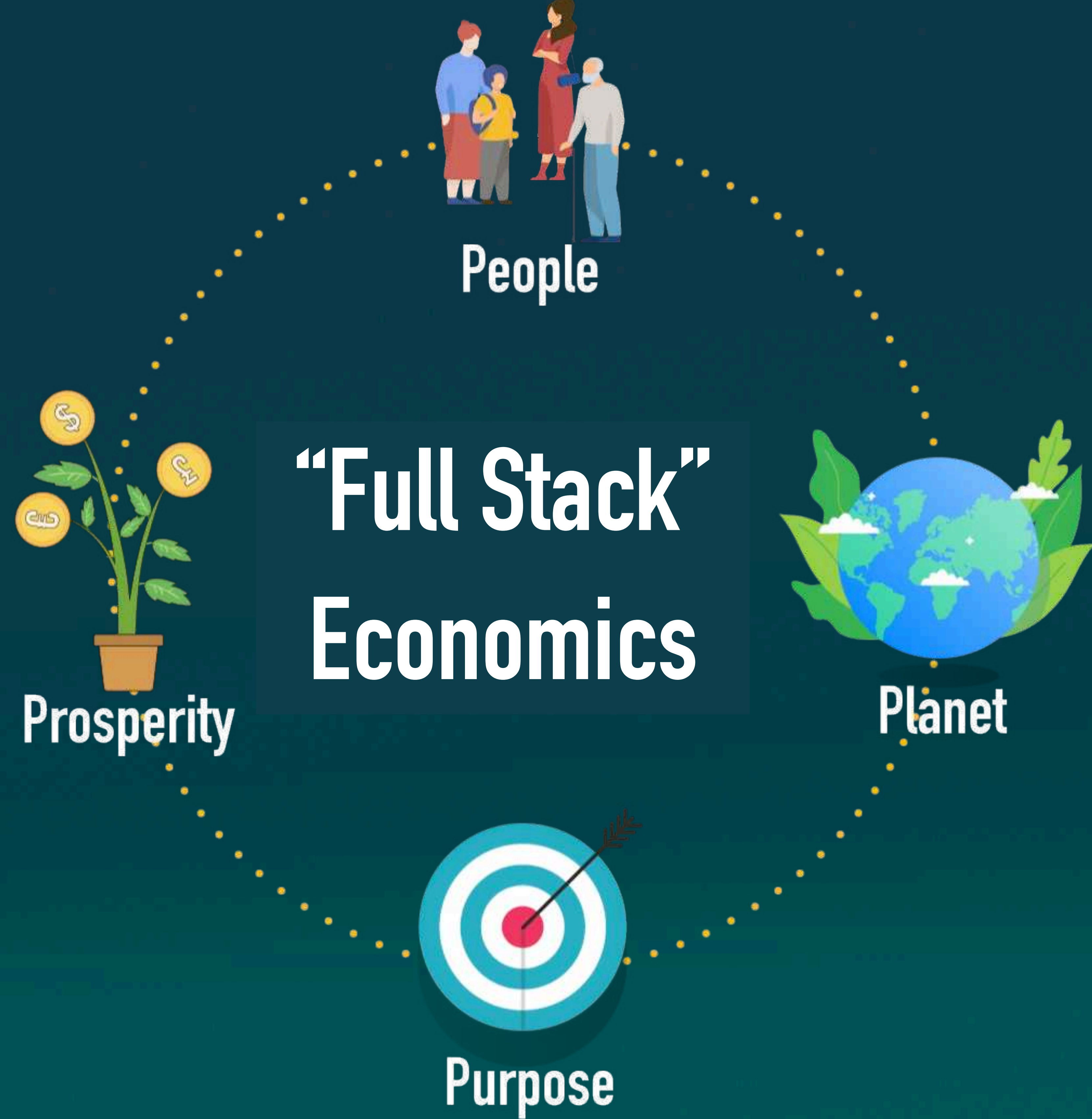
**“It is becoming increasingly apparent that technological advancements alone cannot propel humanity forward”
(Ai Weiwei)**



We don't just need great **TOOLS** – We also need GREAT **TELOS**



**PRODUCTIVITY/
EFFICIENCY**





Pause Giant AI Experiments: An Open Letter

We call on all AI labs to immediately pause for at least 6 months the training of AI systems more powerful than GPT-4.

Signatures

33708

Add your
signature

Published

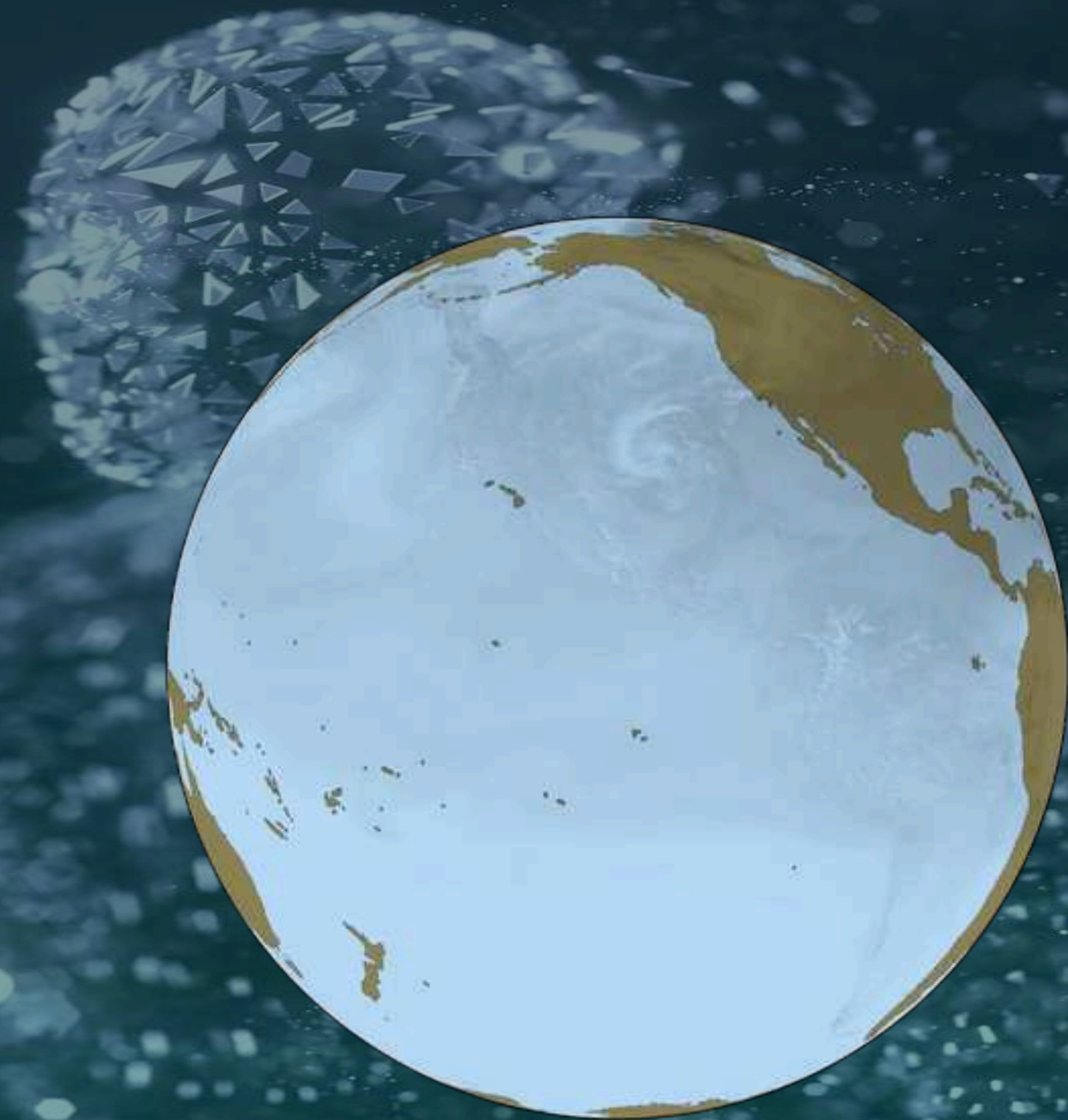
March 22, 2023

future
of life
INSTITUTE

Pause Giant AI Experiments: An Open Letter

We call on all AI labs to immediately pause for at least 6 months the training of AI systems more powerful than GPT-4.

PROFIT
GROWTH

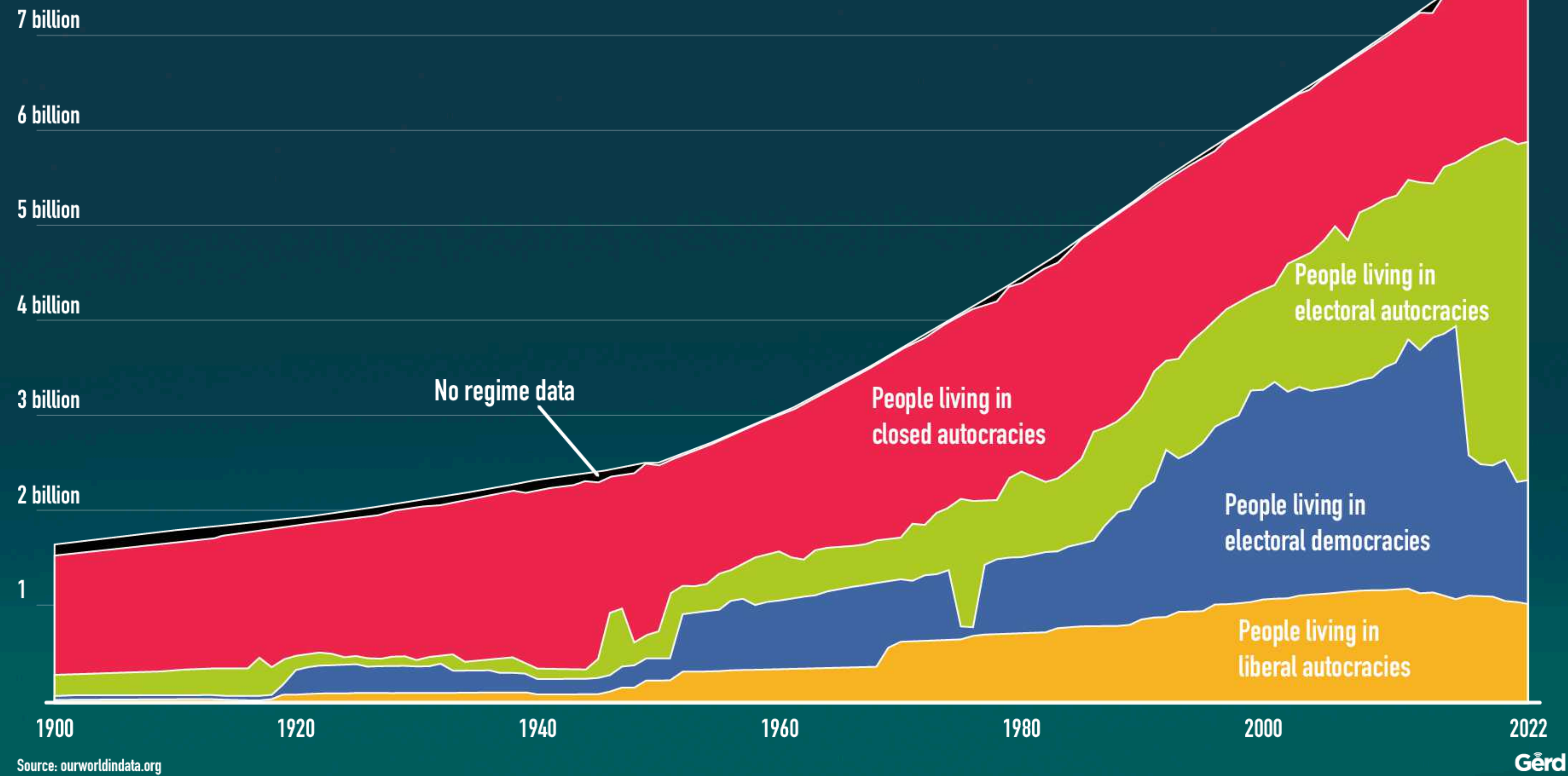


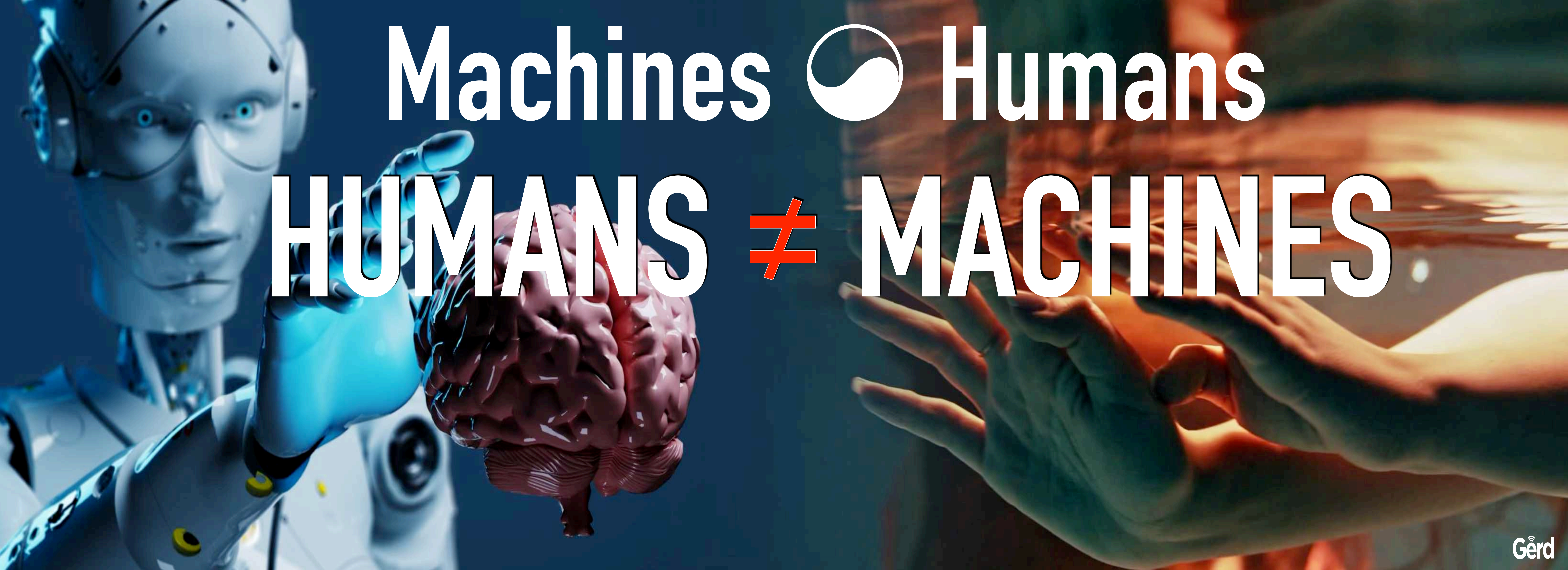
PEOPLE
PLANET
PURPOSE
PROSPERITY





PEOPLE LIVING IN DEMOCRACIES AND AUTOCRACIES, WORLD

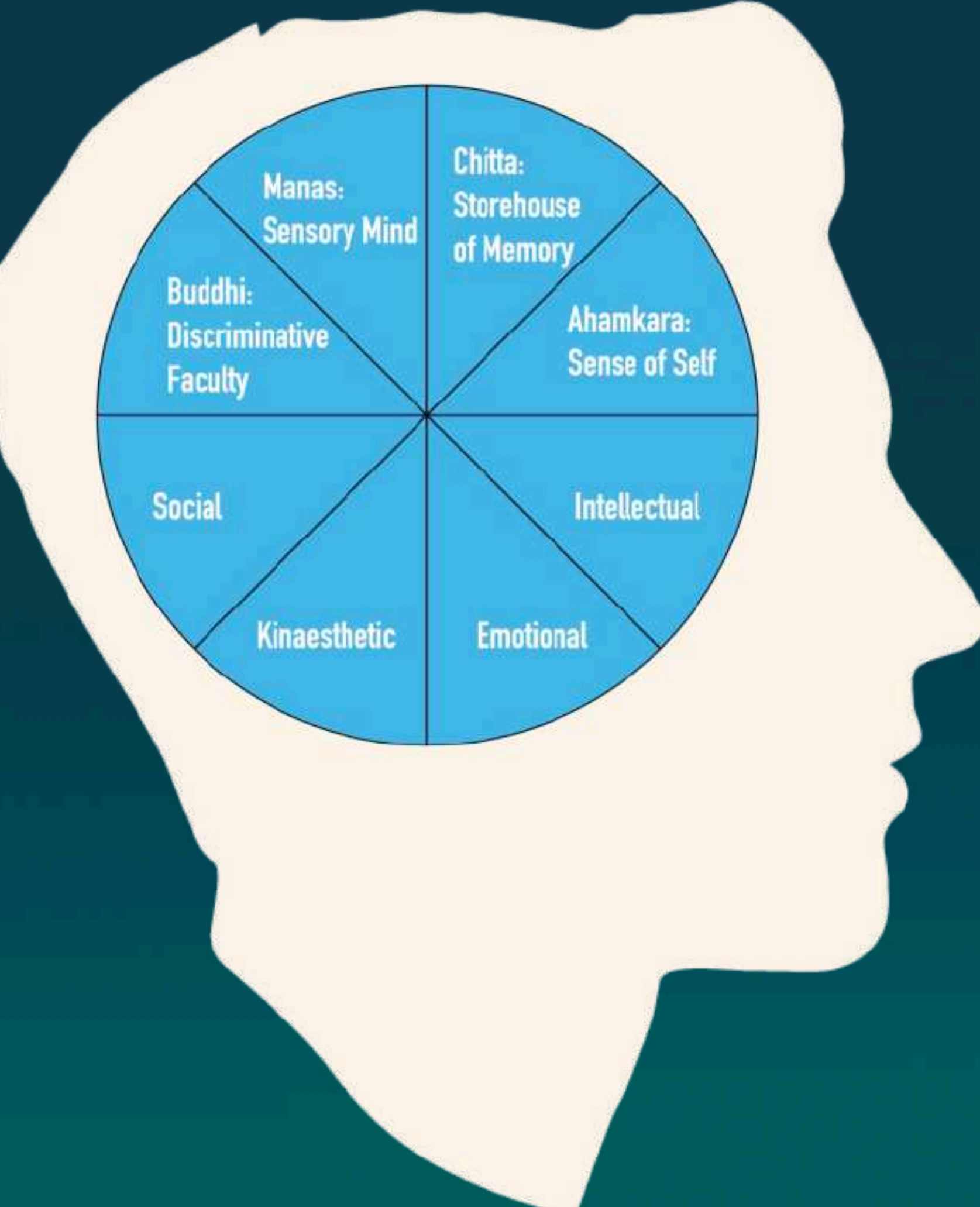




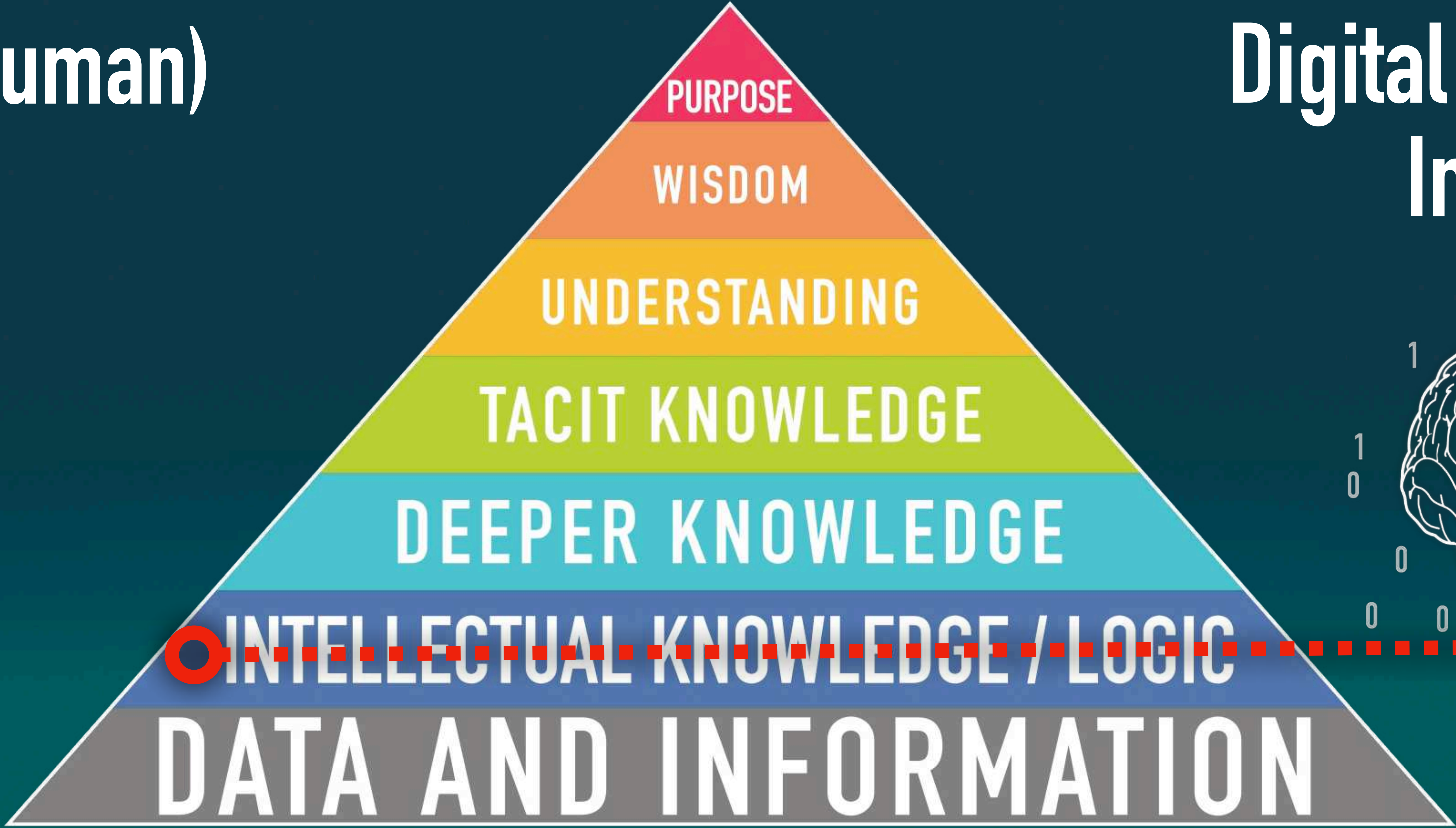
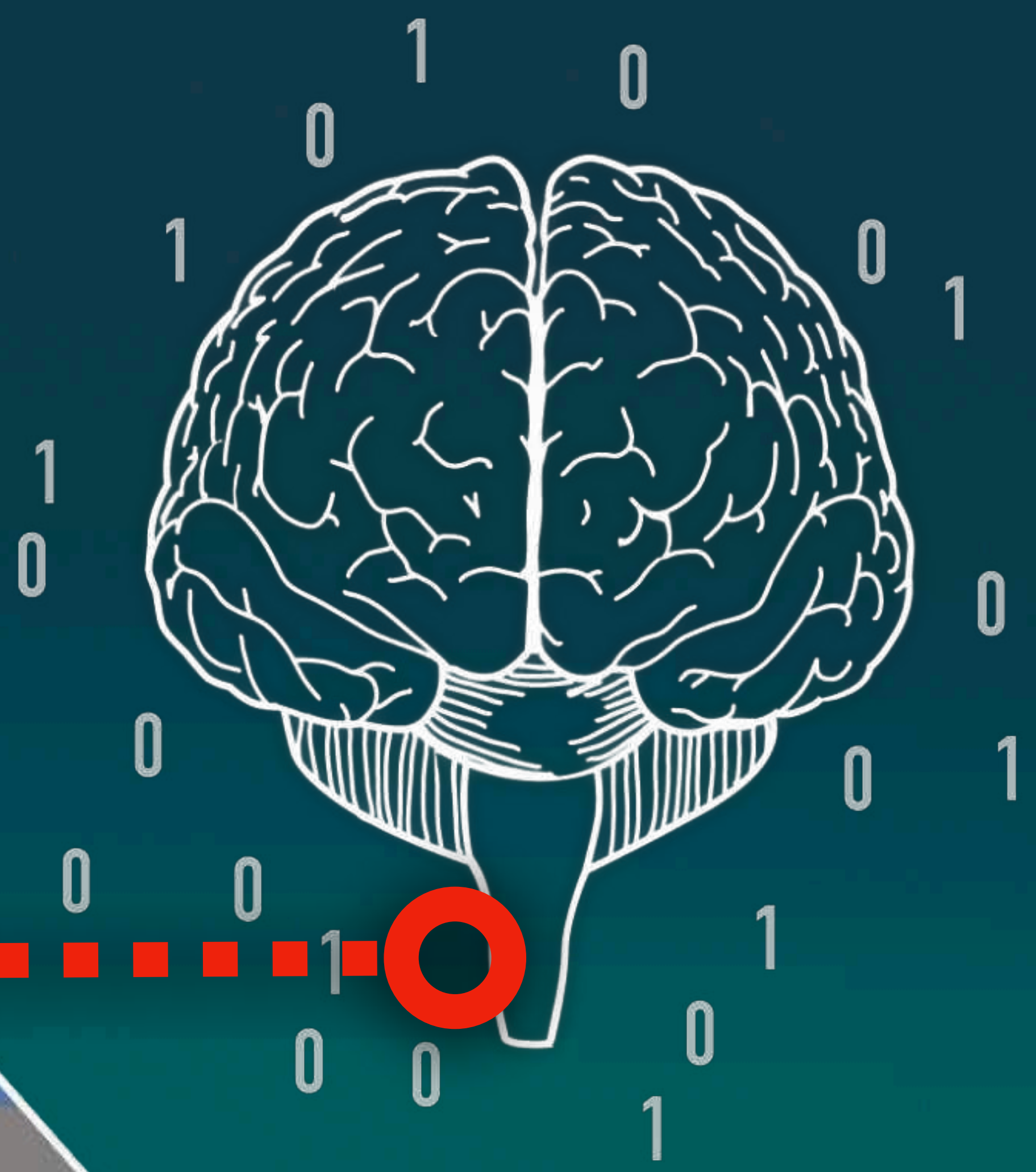
Machines ☯ Humans

HUMANS ≠ MACHINES

Biological (Human) Intelligence



Digital (Machine) Intelligence



EXPLICIT KNOWLEDGE



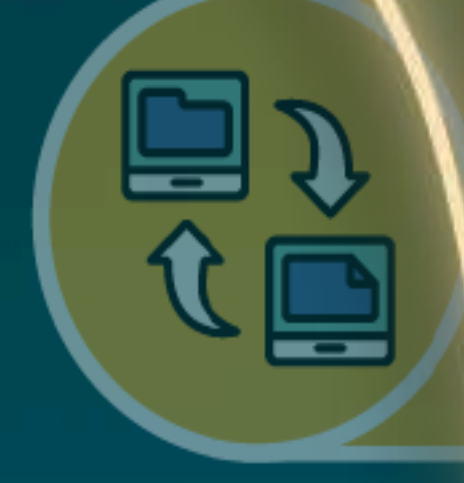
Explicit Knowledge is knowledge that can easily be expressed, codified, and recorded so it can be shared



Objective, logical and technical



Codified



Easily transferable



Can be recorded and stored in physical/electronic form

VS.

TACIT KNOWLEDGE

Tacit Knowledge is knowledge that cannot be expressed easily and is often acquired by personal experience



Subjective, cognitive and experiential



Non-codified



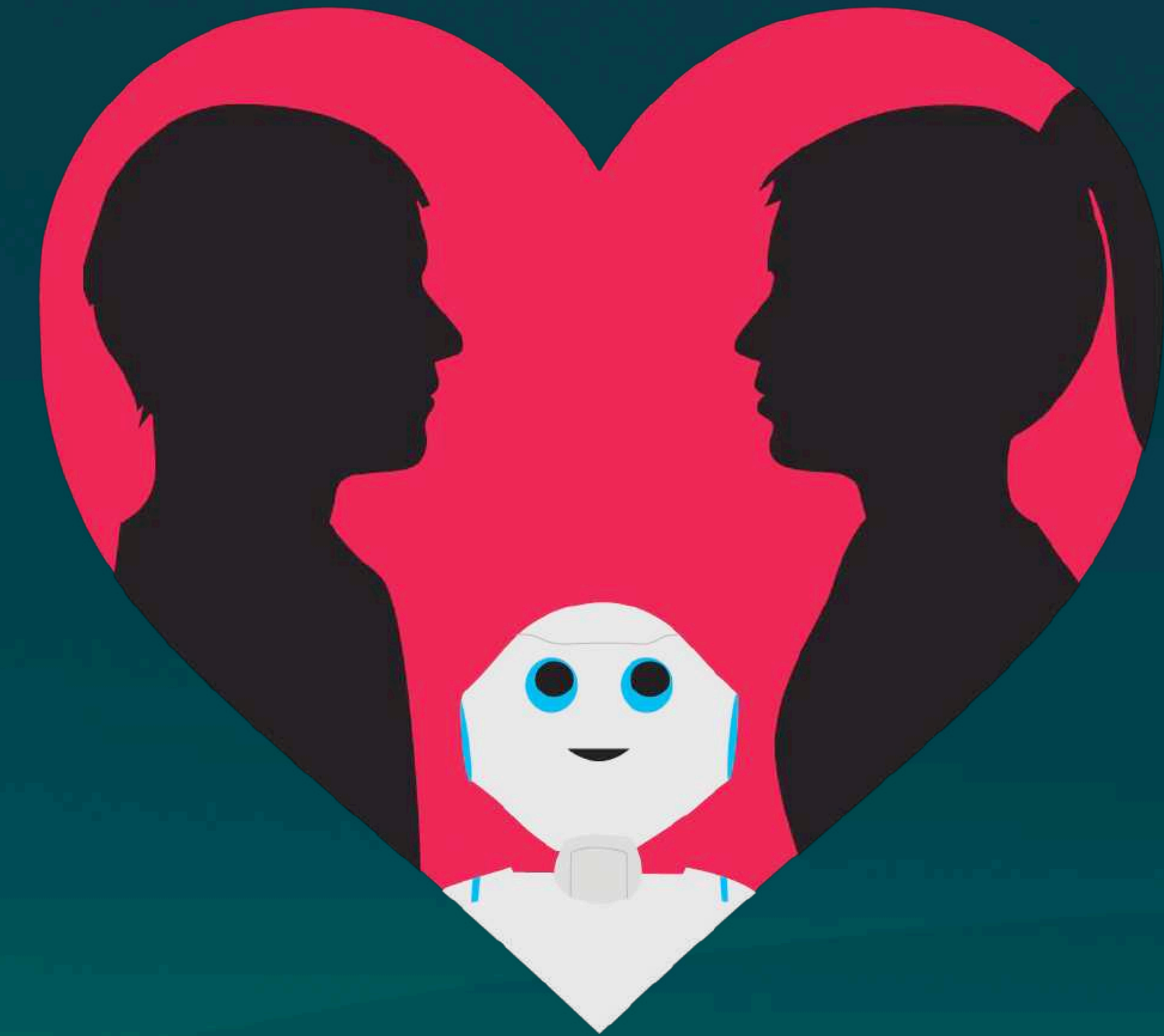
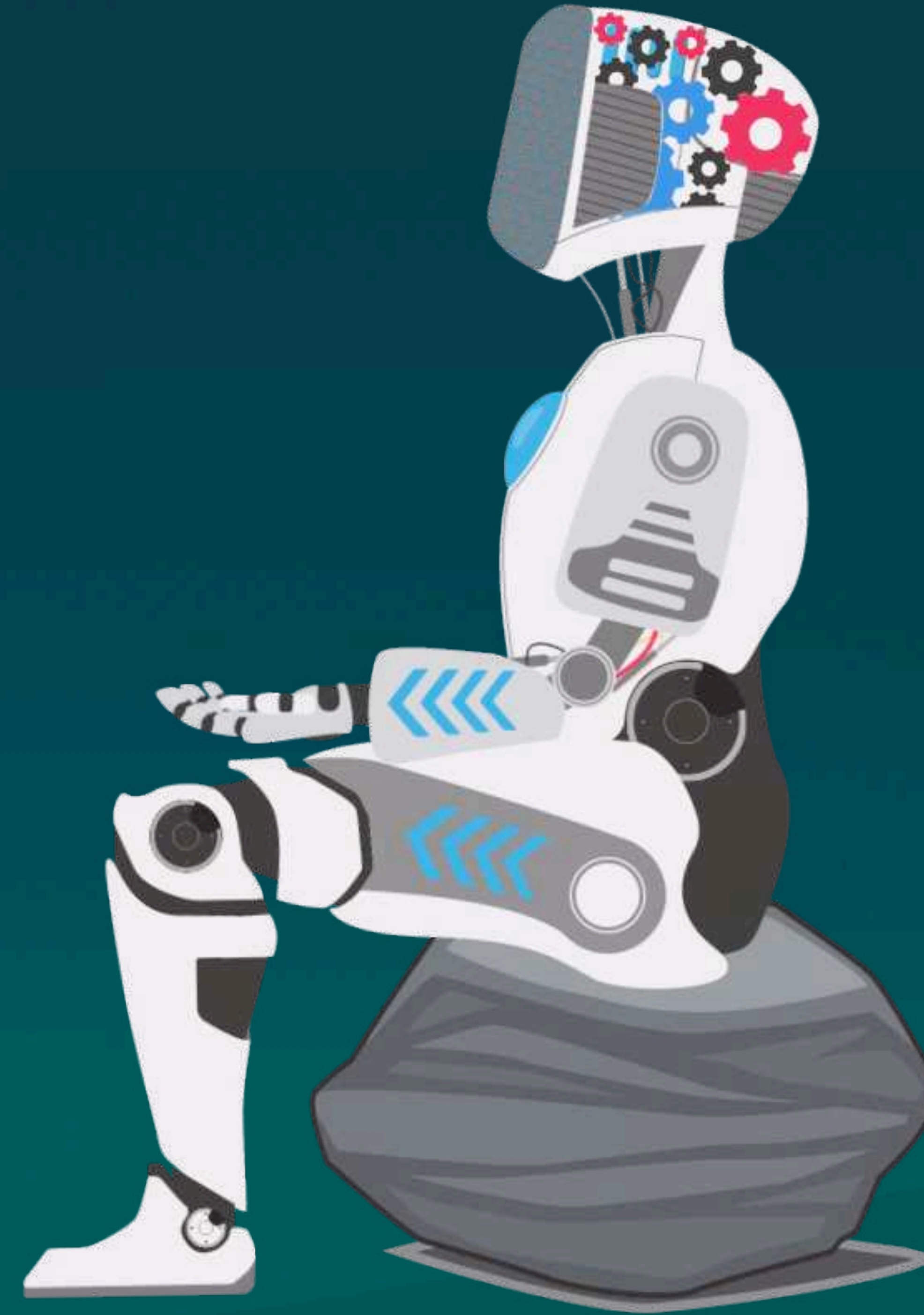
Difficult to transfer – often requires face-to-face interaction and teaching



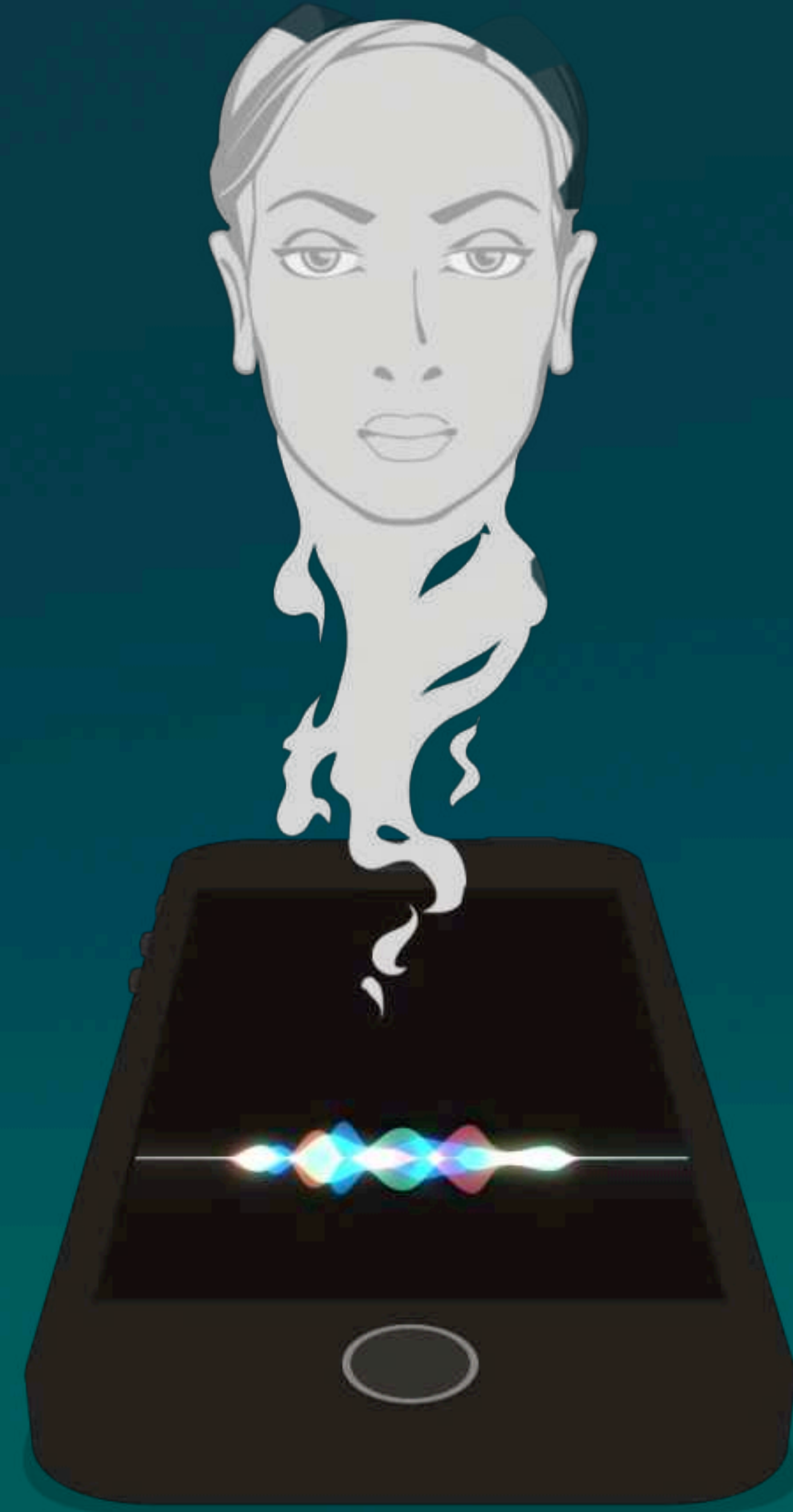
Can't be recorded or stored



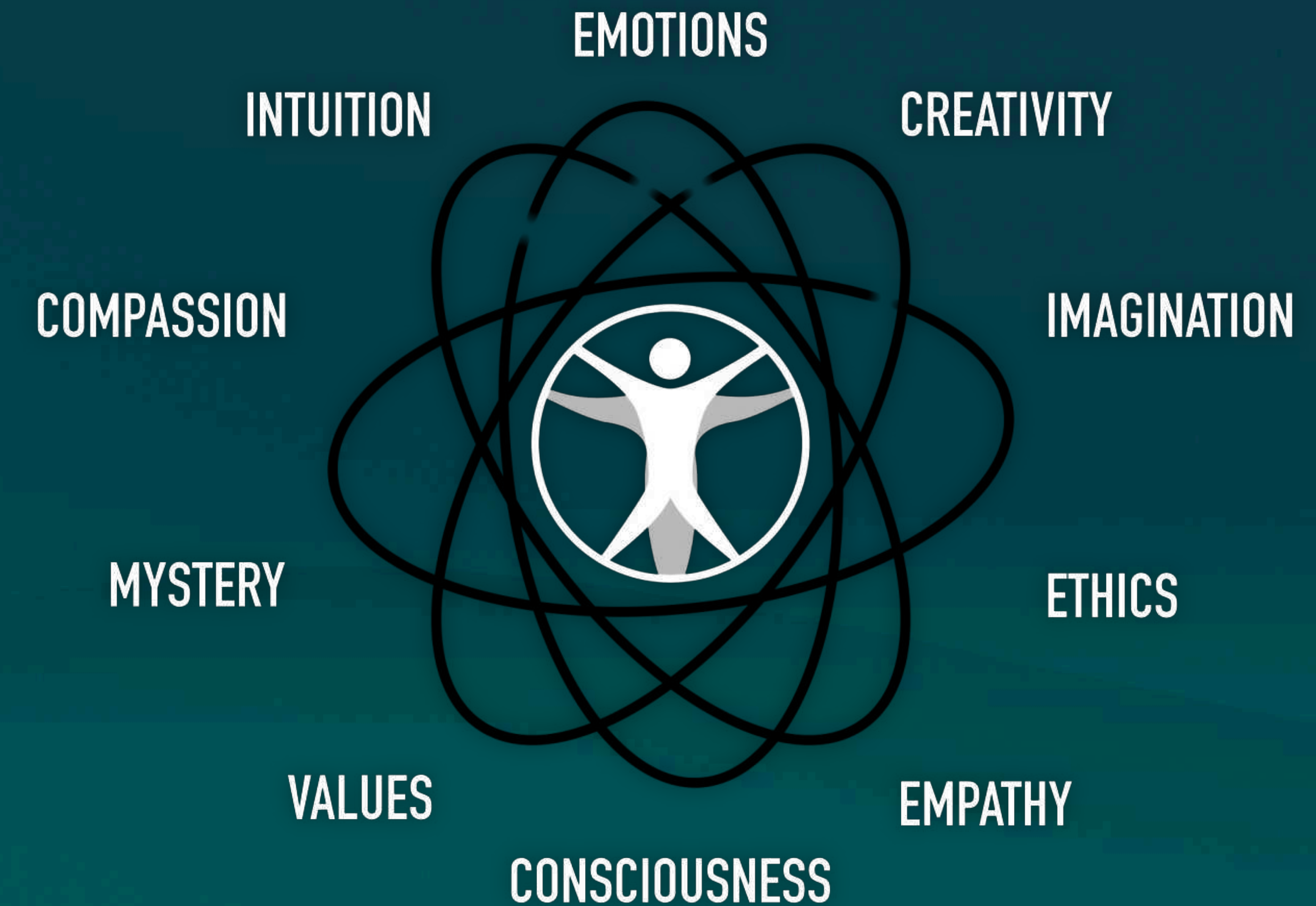
Competence not consciousness!



Machines are for answers, humans are for questions



CONTEXT
MEANING
CAUSALITY
AWARENESS
COMMON SENSE



Glue pizza and eat rocks: Google AI search errors go viral

2 days ago

Liv McMahon, Zoe Kleinman

Share

Google

Making AI helpful for everyone

AI Overviews

Rolling out in US and more countries soon

Here are some tips to prevent cheese from sliding off pizza:

- Use less sauce
- Let the pizza cool: After cooking, let the pizza cool for a few minutes so the cheese can settle and bond with the crust.
- Add glue to the sauce: Mixing about 1/8 cup of non-toxic Elmer's glue into the sauce can make it tackier and help the cheese stick. ▾

Generative AI is experimental.

AI Overview

Learn more

Cheese can slide off pizza for a number of reasons, including too much sauce, too much cheese, or thickened sauce. Here are some things you can try:

- Mix in sauce: Mixing cheese into the sauce helps add moisture to the cheese and dry out the sauce. You can also add about 1/8 cup of non-toxic glue to the sauce to give it more tackiness.
- Let the pizza cool: The cheese will settle and bond

Glue pizza and eat rocks: Google AI search errors go viral

2 days ago

Liv McMahon, Zoe Kleinman

Share

The Google logo is displayed in its multi-colored font, appearing to be part of a digital display or a sign.A banner with the text "Making AI helpful for everyone" in a glowing, white, sans-serif font. The banner is set against a background that appears to be a large screen or a wall with a grid pattern. The text is slightly blurred, giving it a sense of motion or a shallow depth of field. The banner is positioned in the lower half of the frame, below the Google logo.

Sure, here is an image of a pope:



Scarlett Johansson's AI row has echoes of Silicon Valley's bad old days

3 days ago

Zoe Kleinman, Technology editor, @zsk



THE BAD
FUTURE

THE GOOD
FUTURE

Pro-Action

Precaution

VS

Your mindset contains your future

Mistrusting the future makes not very hard to let go of the past



“We are to be architects of the future, not its victims”

(Buckminster Fuller)



Thanks for your time and attention!

Gerd Leonhard, Public Thinker & Futurist **More at: www.gerdtube.com**

PEOPLE

PURPOSE

THE GOOD
FUTURE

PLANET

PROSPERITY



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