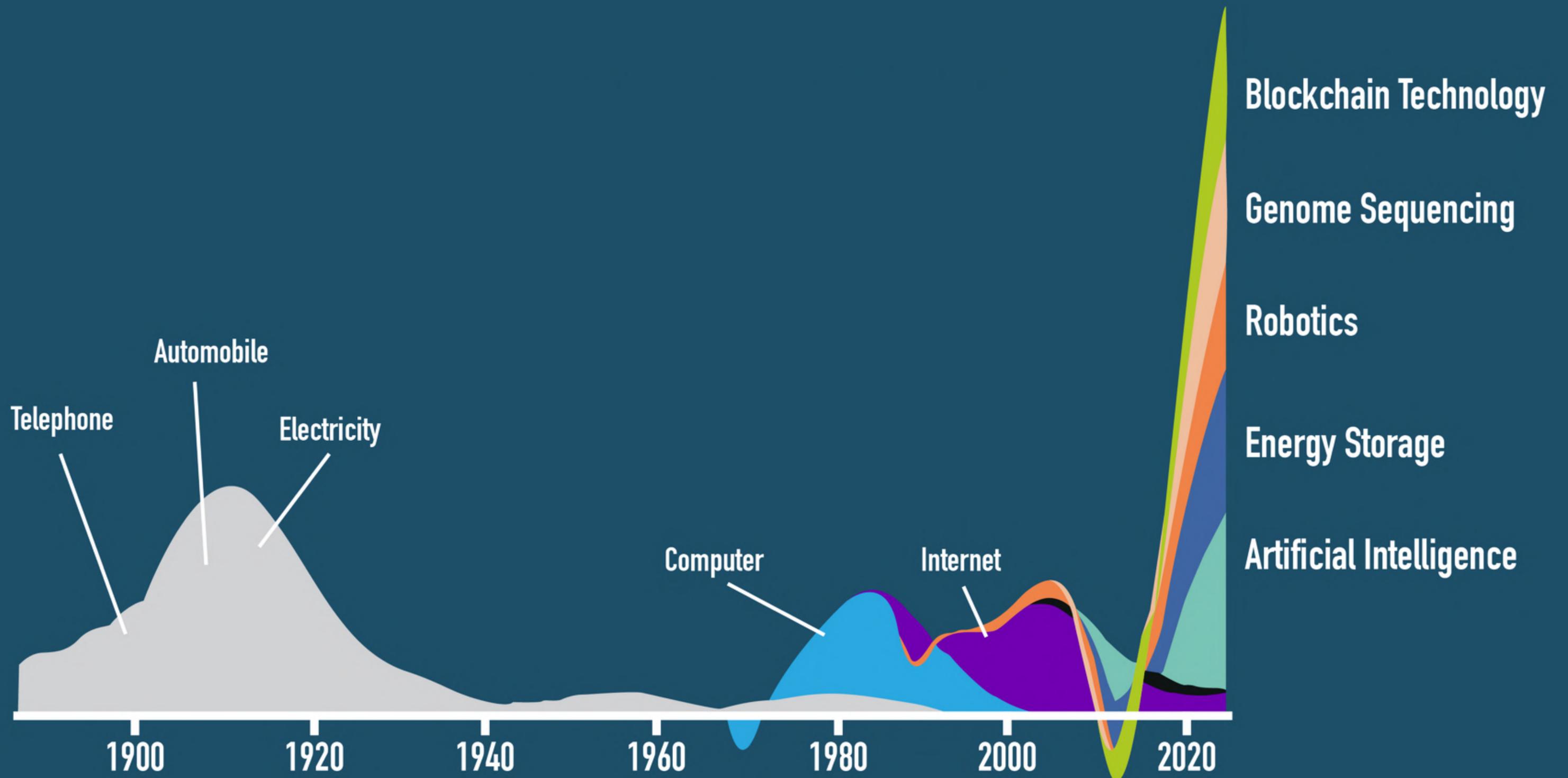
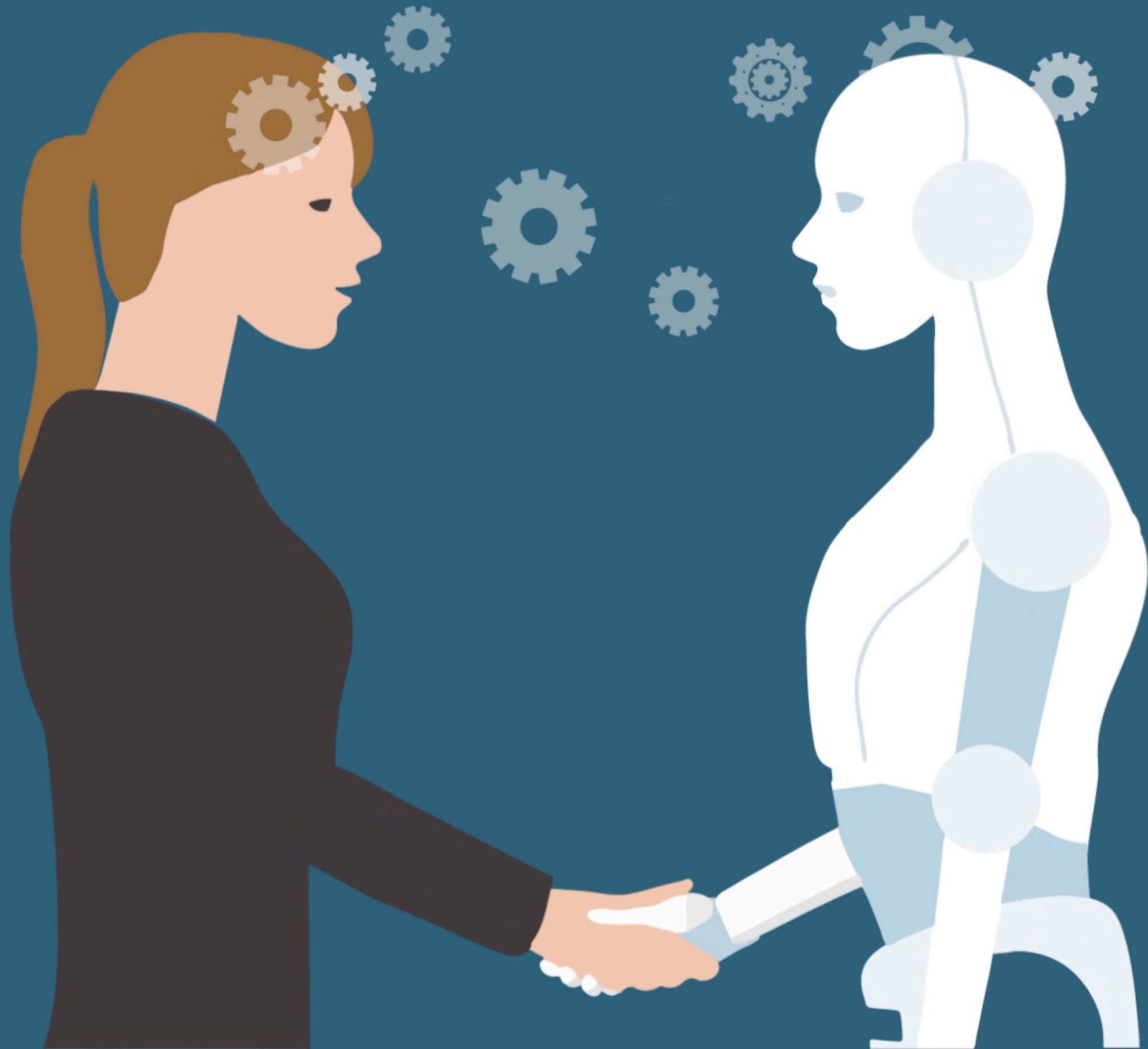


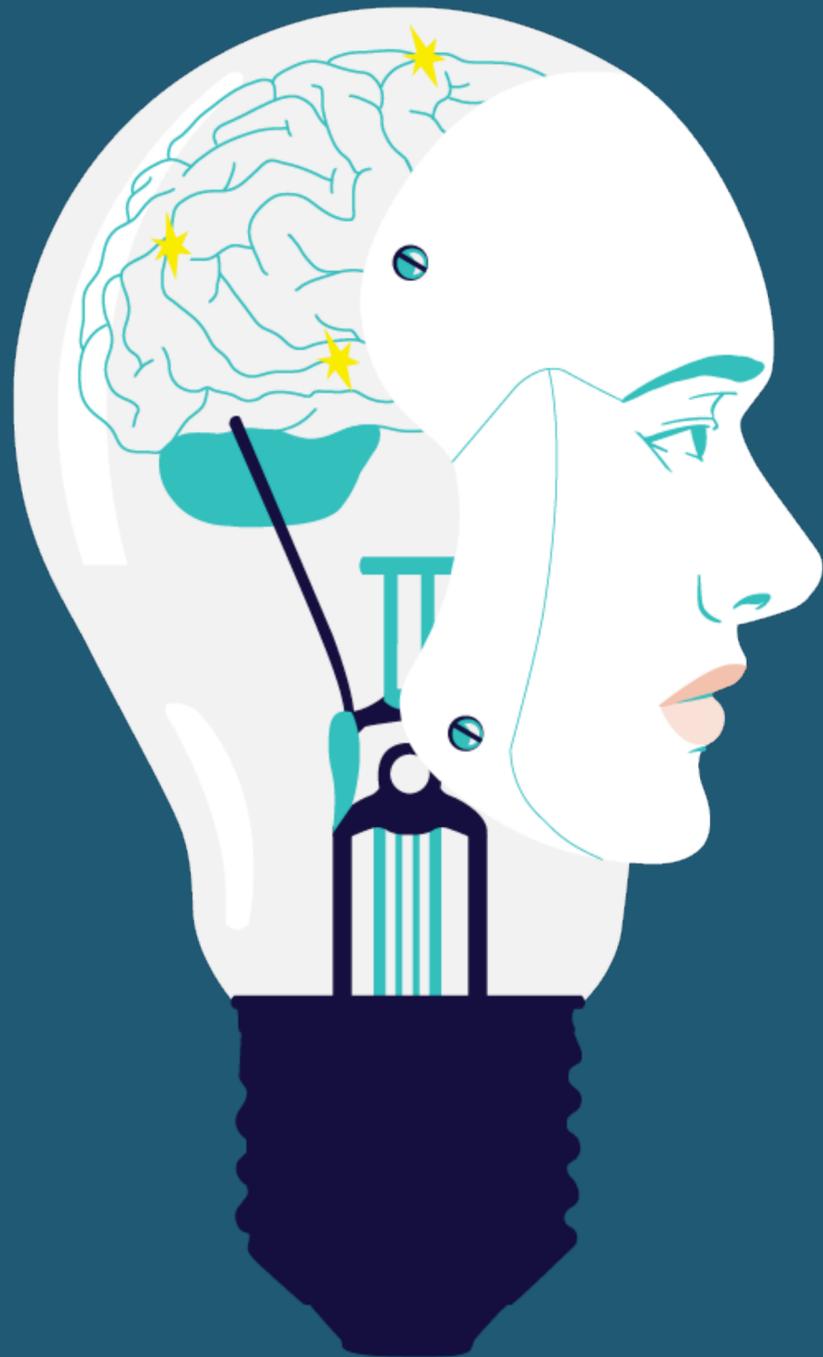
Our world will change more in the next 20 years than the previous 300 years



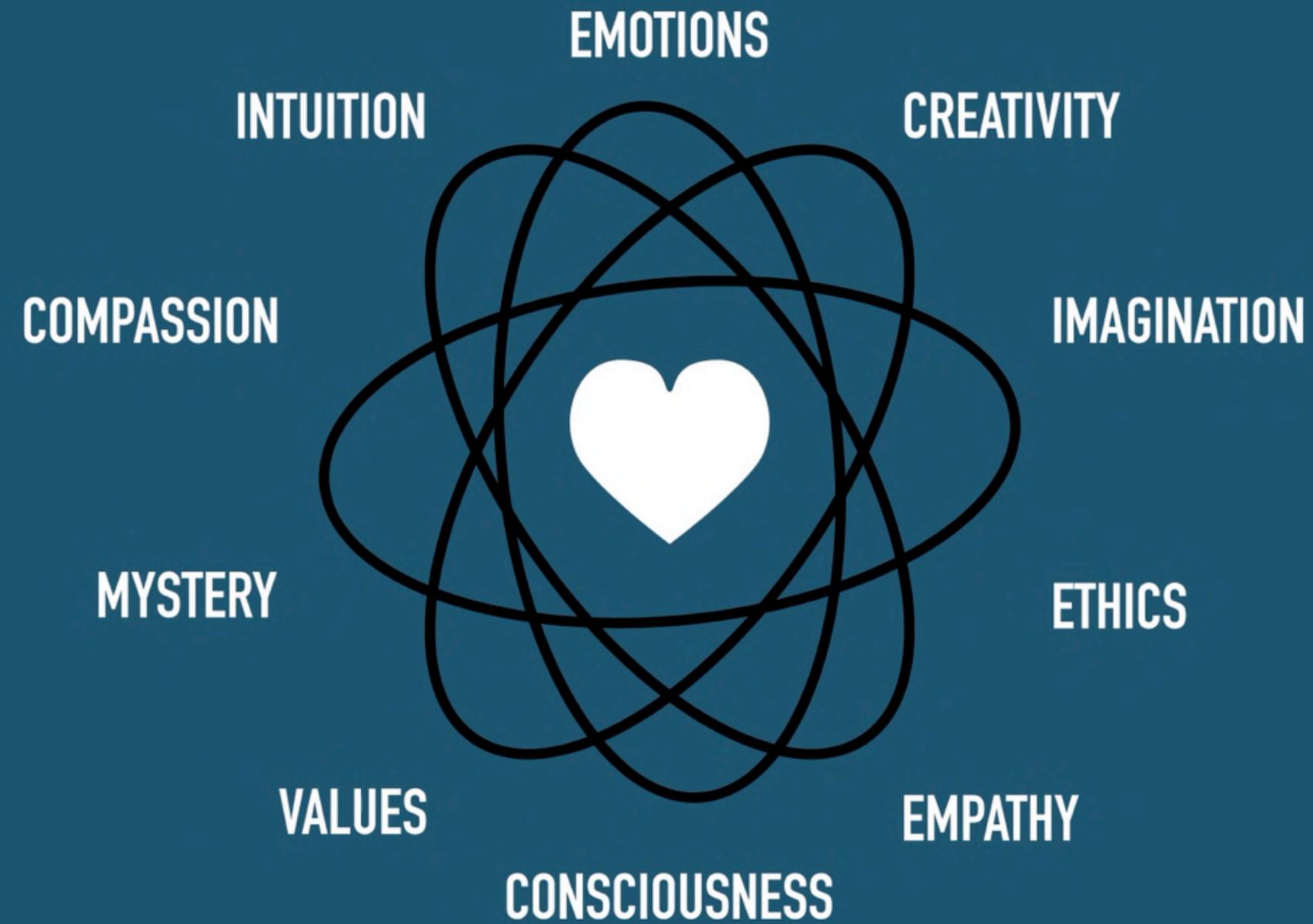




Algorithms



Androrithms



Humans  **Technology**

Offline  **Online**

Awesome  **Worrisome**

Binary

Multinary



IMAGINATION

PASSION

CRITICAL THINKING

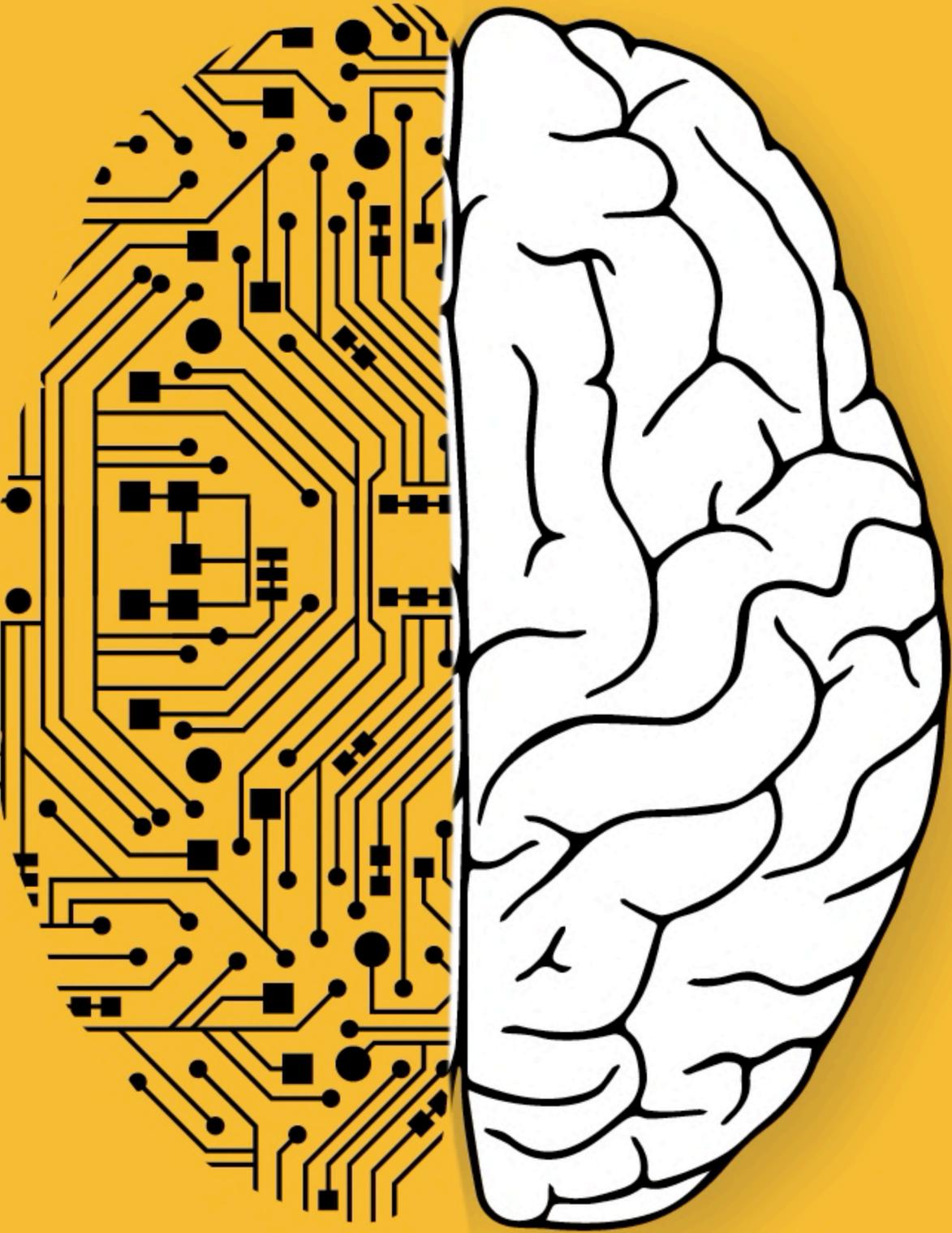


PURPOSE

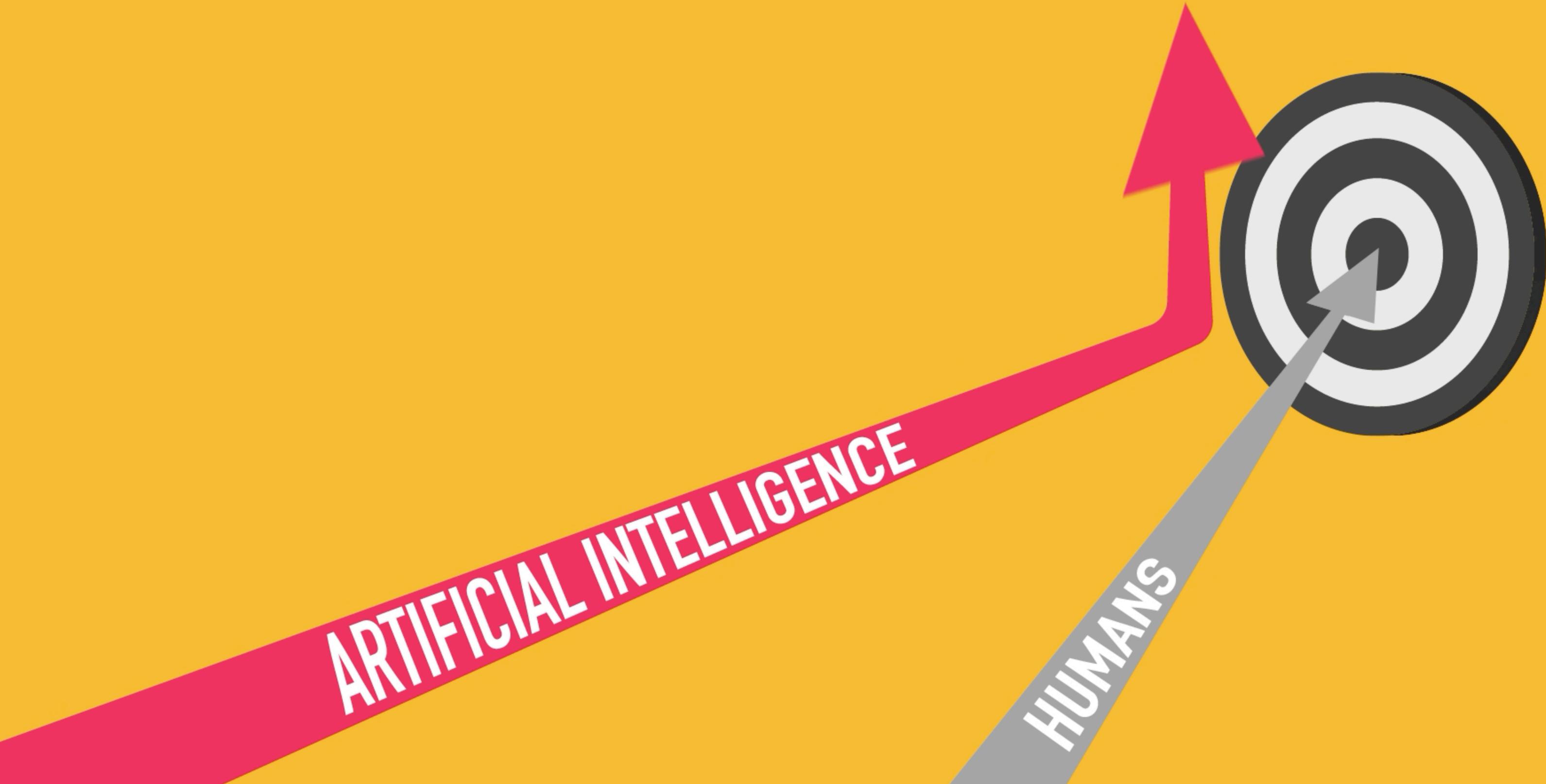
CURIOSITY

FORESIGHT

Algorithms know the logic of everything but the feeling of nothing



Algorithms know the logic of everything but the feeling of nothing



Algorithms-only news (media) is detrimental to democracy



What really matters to humans?

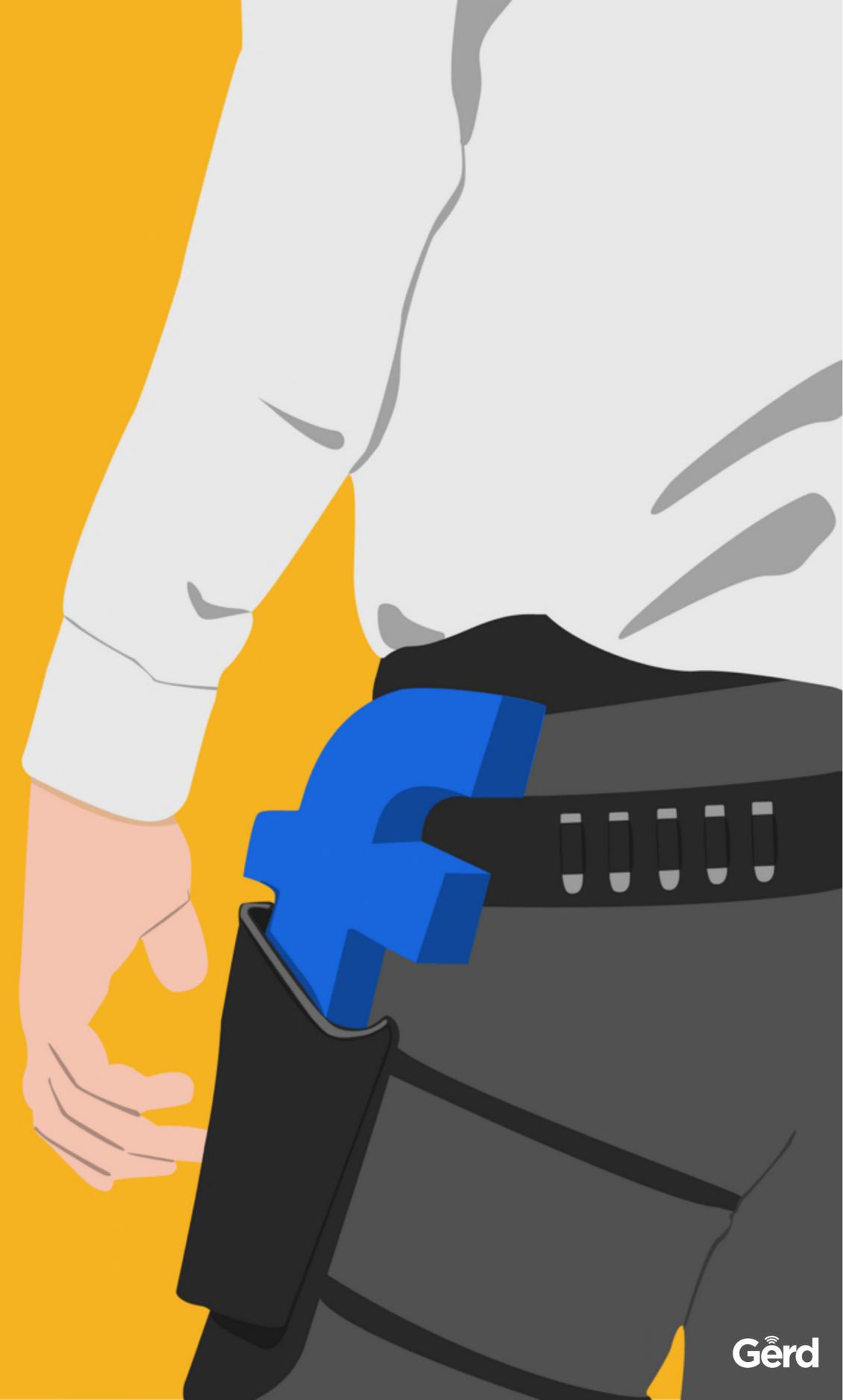
**Experiences
Engagement
Relationships**

Our dilemma: Many innovations are great for business, commerce, jobs and the economy but – if taken to the extreme – could be detrimental to society, democracy, the environment, and humanity, at large



#hellven

Gerd



'Surveillance Capitalism' is not sustainable: Expect a tidal wave of regulation & antitrust



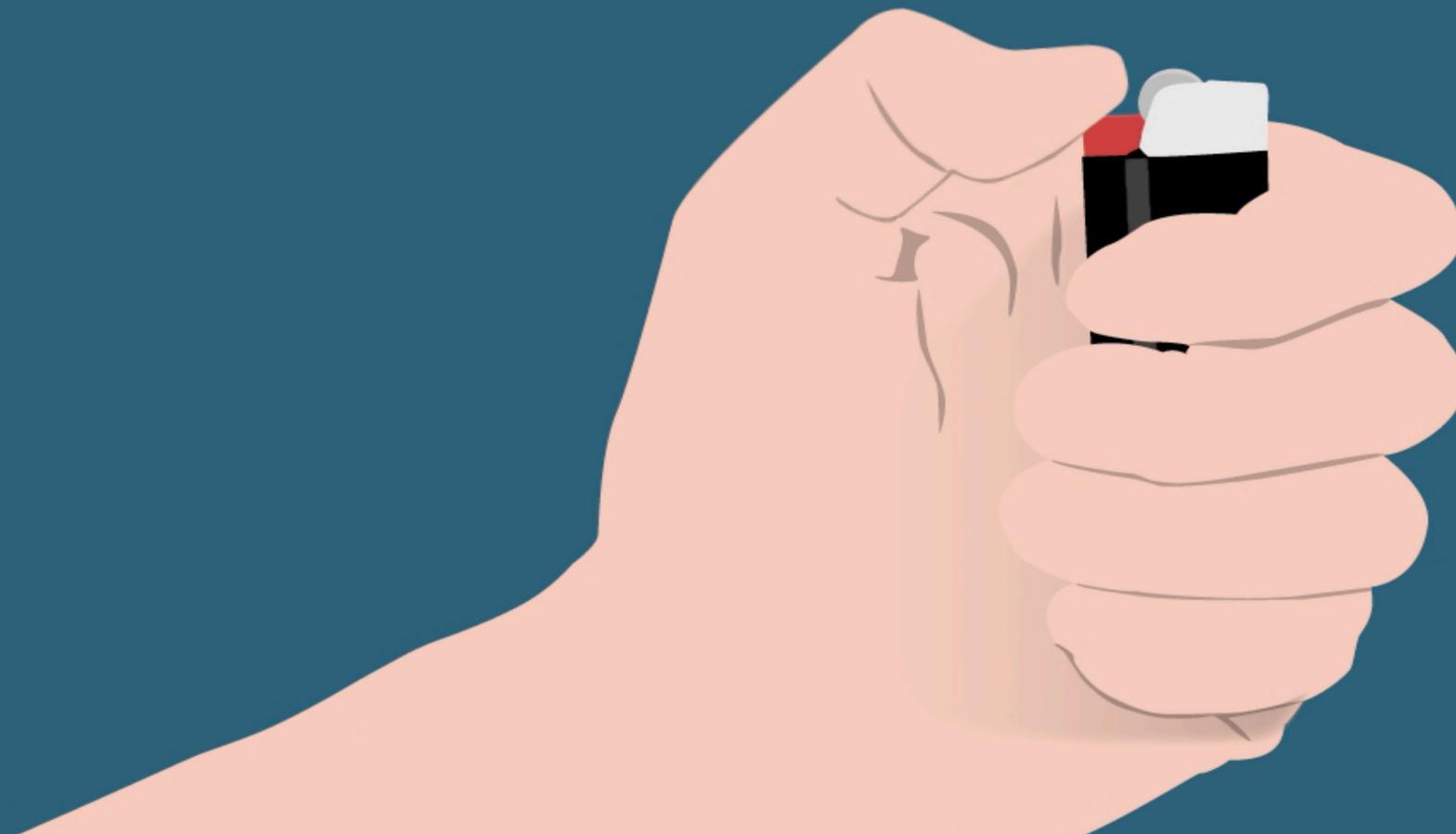
Too much of a good thing can be a very bad thing



Too much of a good thing can be a very bad thing



Too much of a good thing can be a very bad thing



The EXTERNALITIES of exponential technological advances:



Manipulation

Discrimination

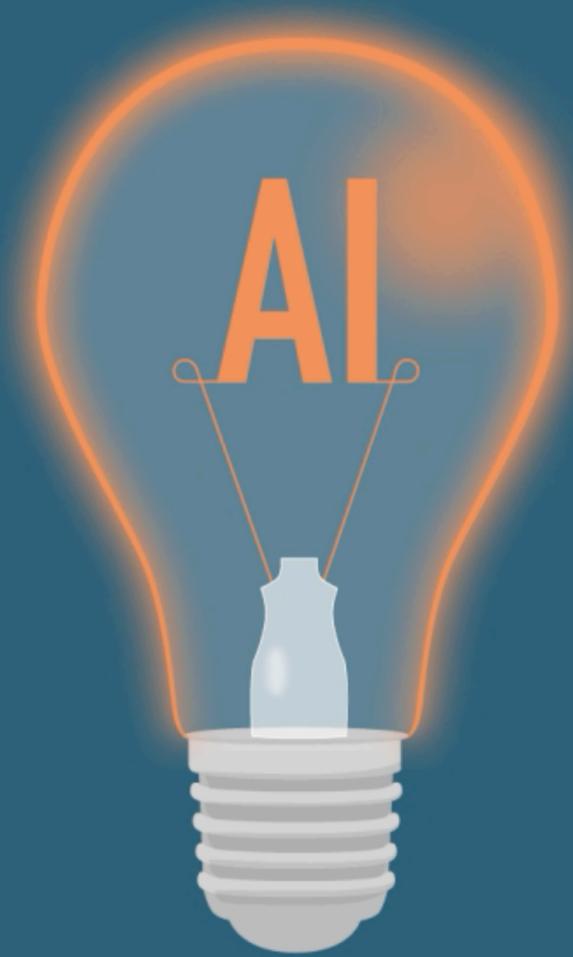
Abdication

De-Skilling

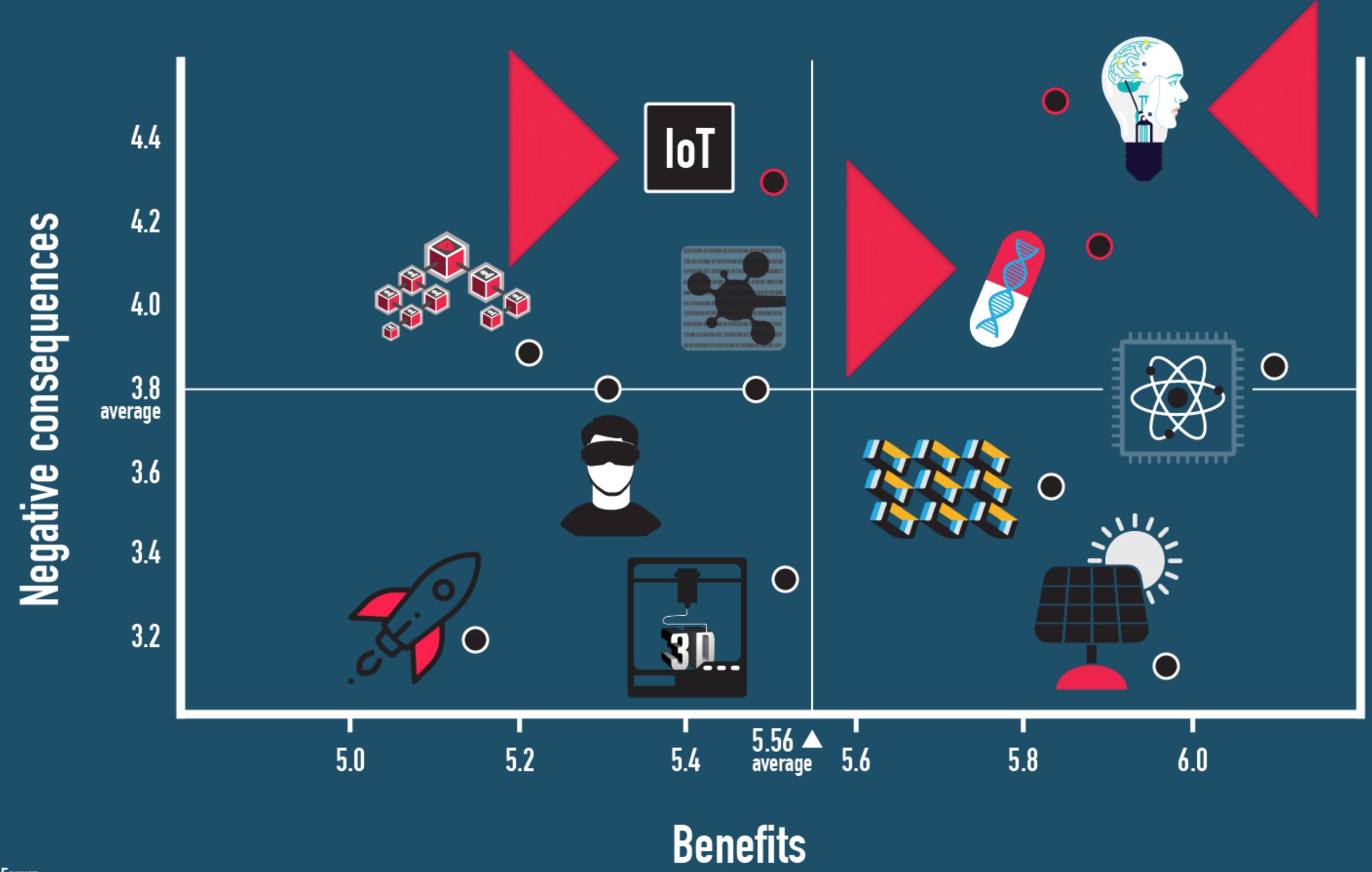
Reductionism

Digital Obesity

In AI, 'too much of a good thing' will become an EXISTENTIAL ISSUE



EXPONENTIAL TECHNOLOGIES: BENEFITS AND RISKS



Source: World Economic Forum

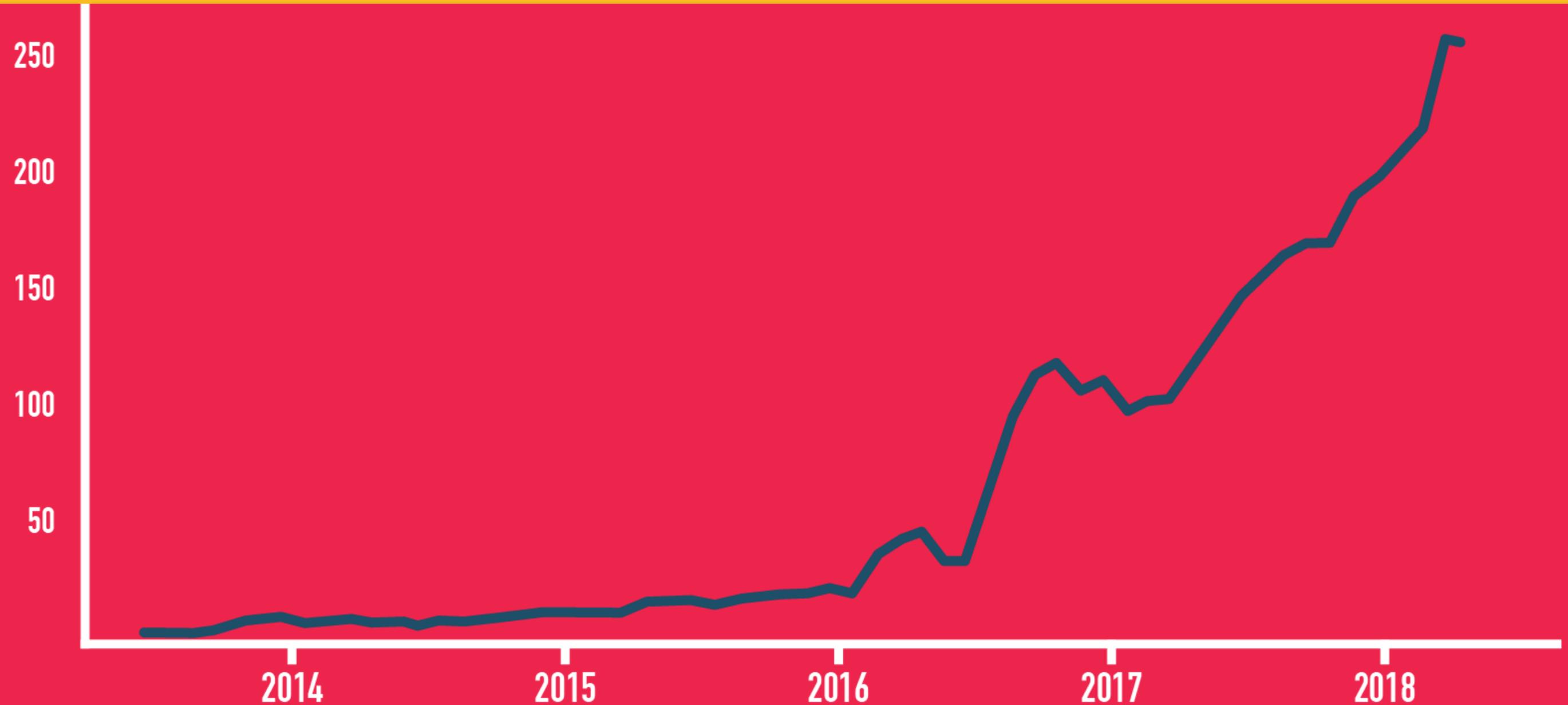


TECHNOLOGY HAS NO ETHICS

NEWS MENTIONS OF AI AND ETHICS IS ON THE RISE

"Ethics is knowing the difference between what you have a right (or the power) to do and what is the right thing to do"

adapted from Potter Stewart



Technology will become virtually unlimited in power and capability within the next 15 years

Technology (and data) is already the key economic driver, globally – and growing rapidly

But technology does not solve social, cultural or political problems

Governing this exponential progress WISELY and COLLECTIVELY is the biggest challenge

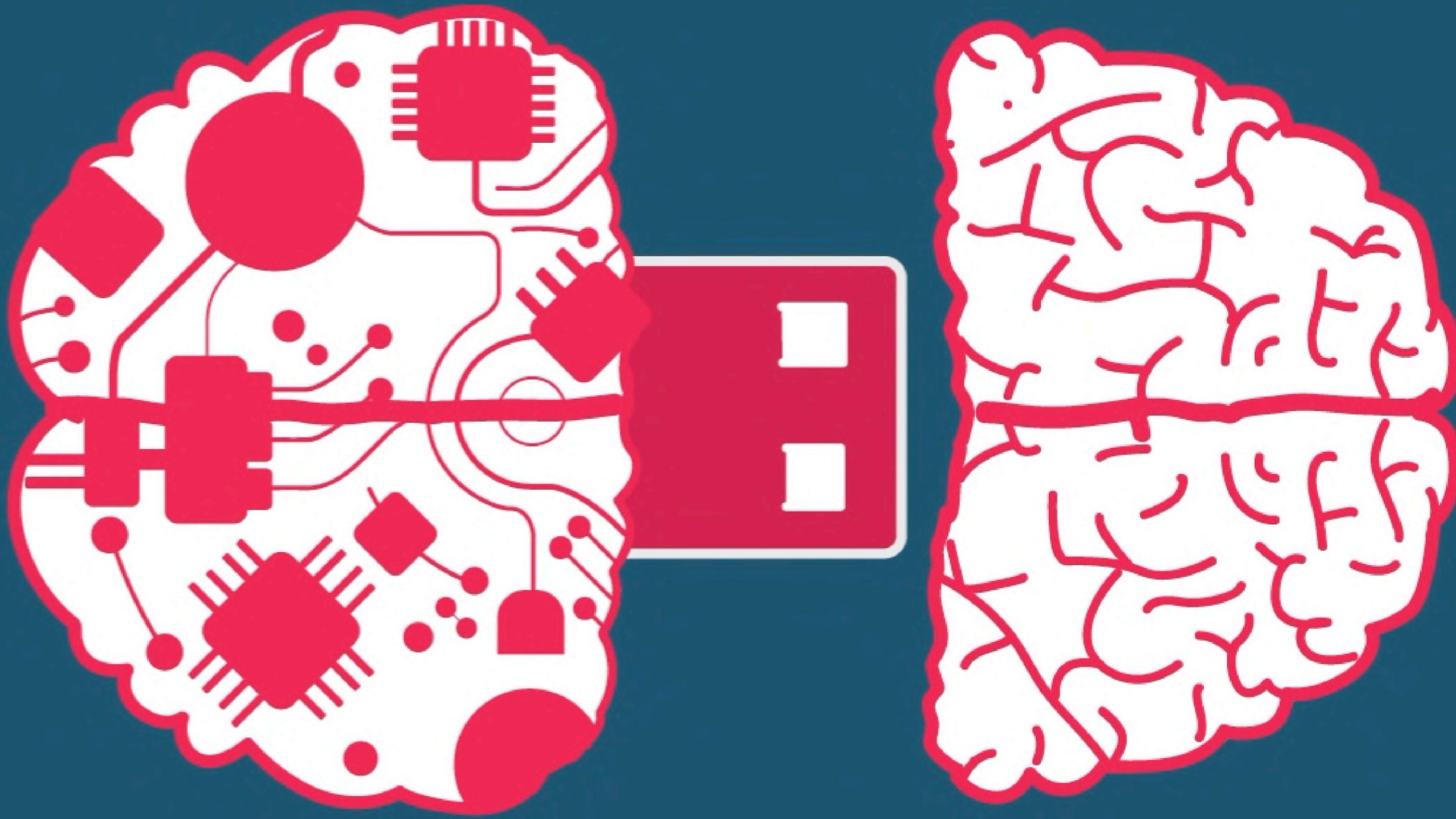


REMAIN HUMAN



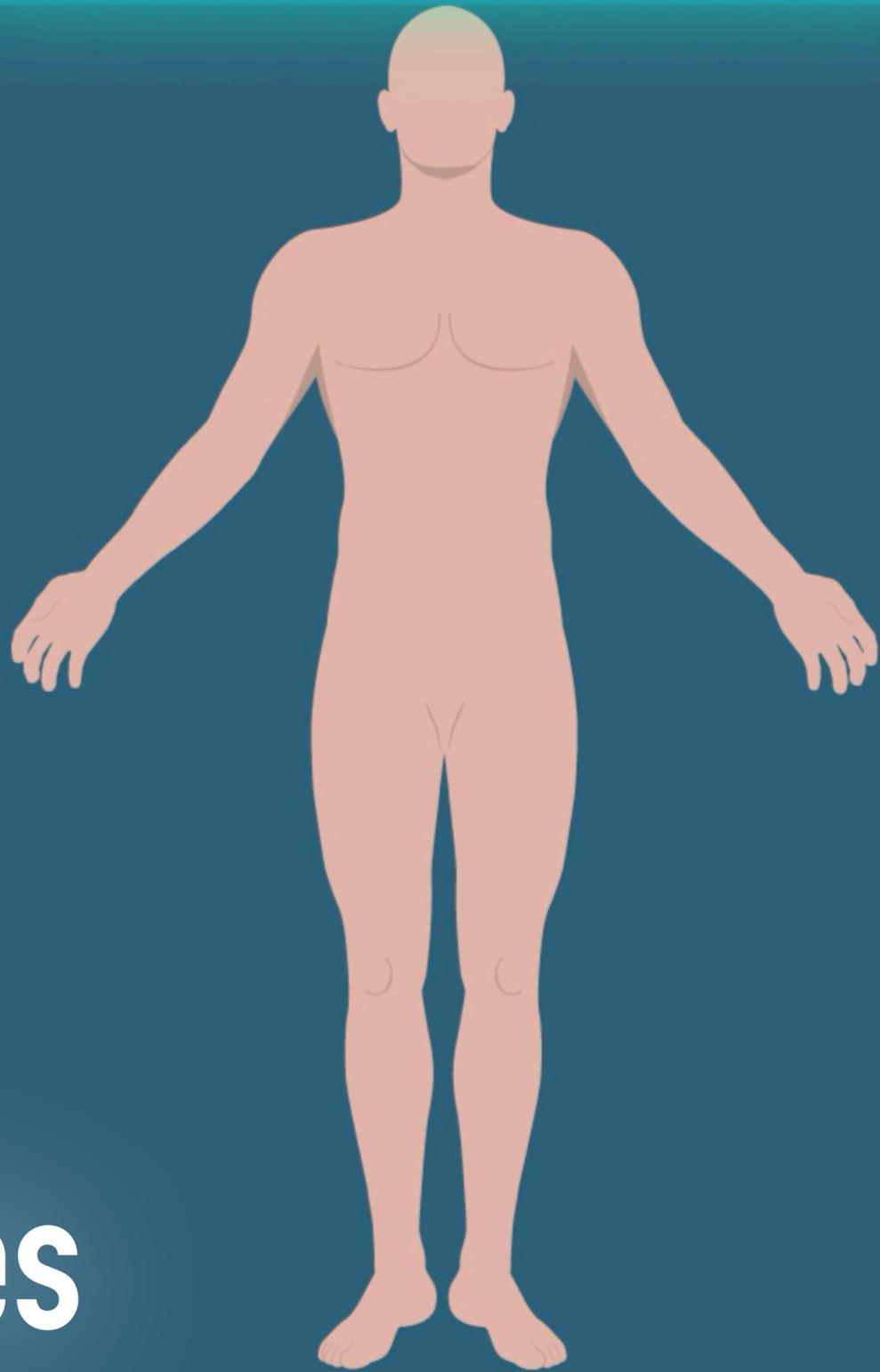


The right to disconnect



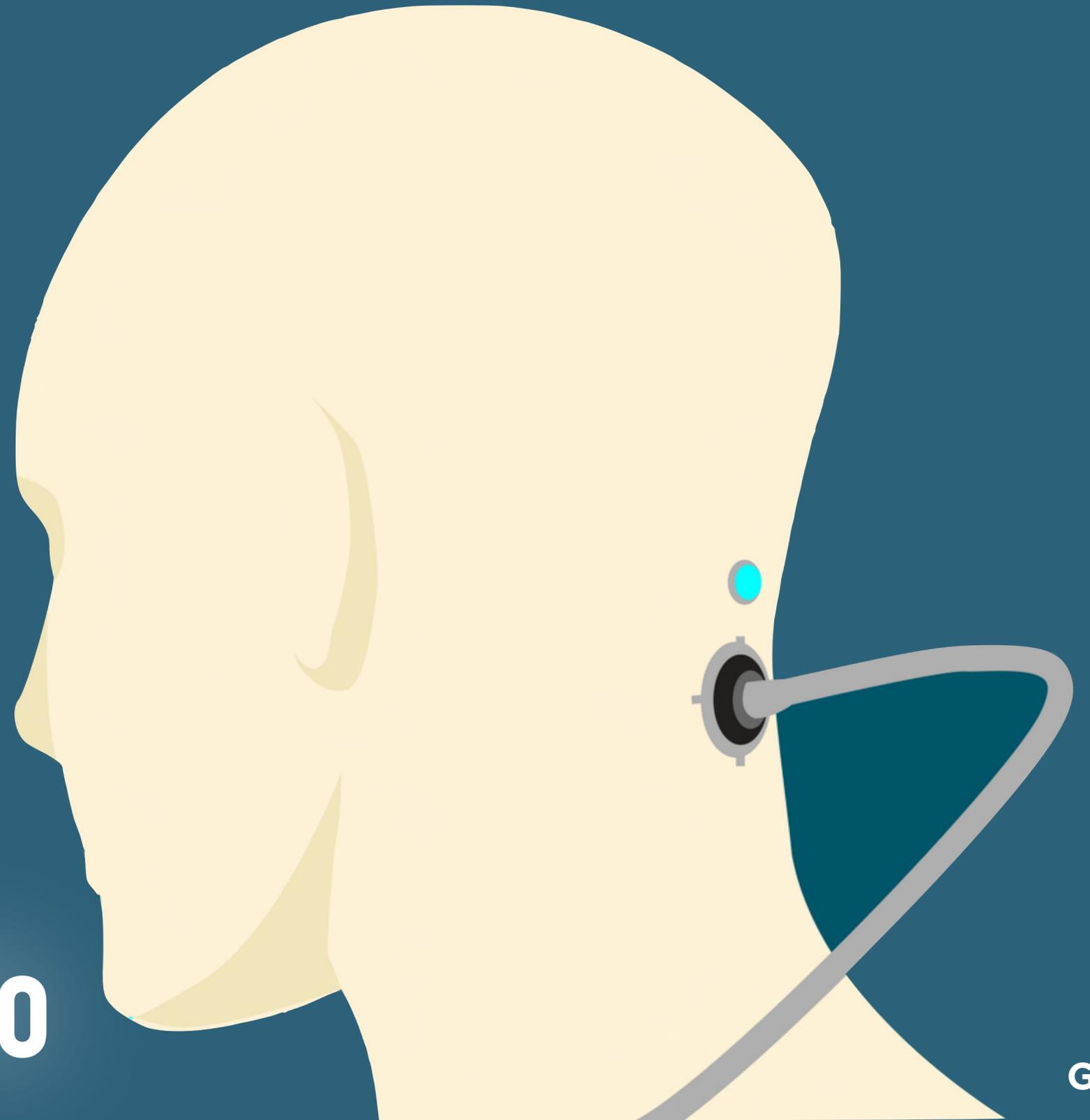


The right to remain 'merely' human i.e. unaugmented



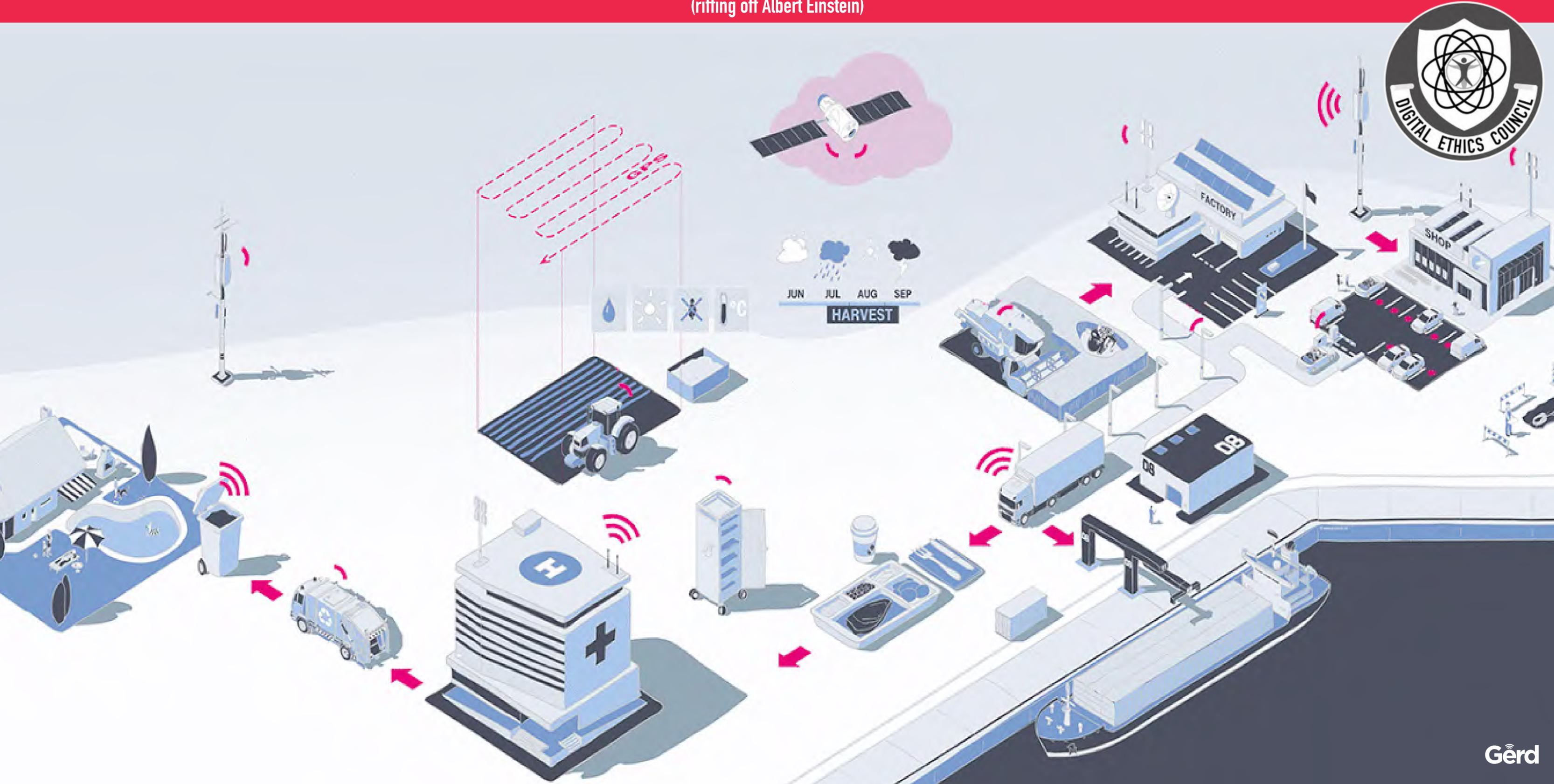
Yes

No



Everything should be as smart as necessary, but not smarter

(riffing off Albert Einstein)

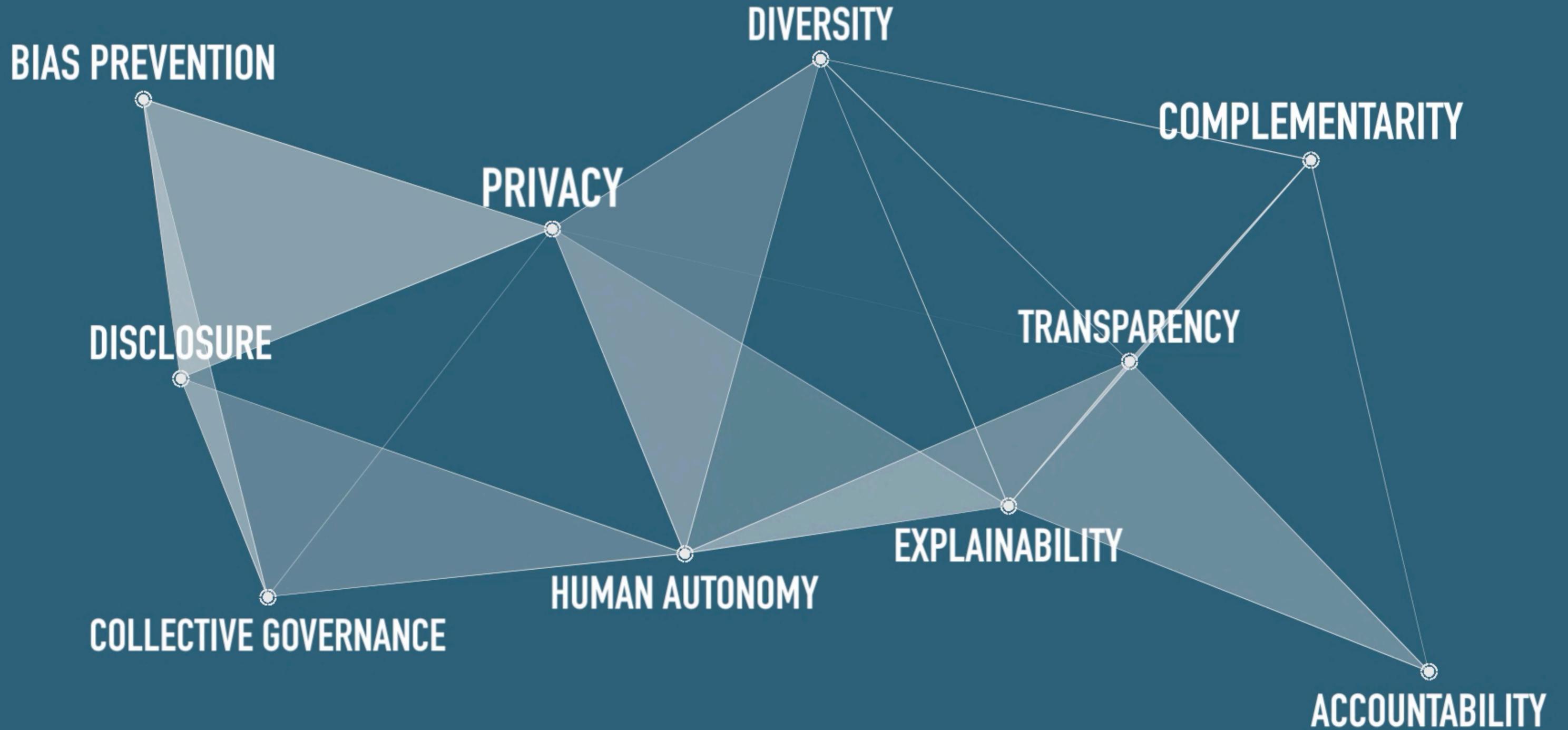


Everything should be as smart as necessary, but not smarter

(riffing off Albert Einstein)



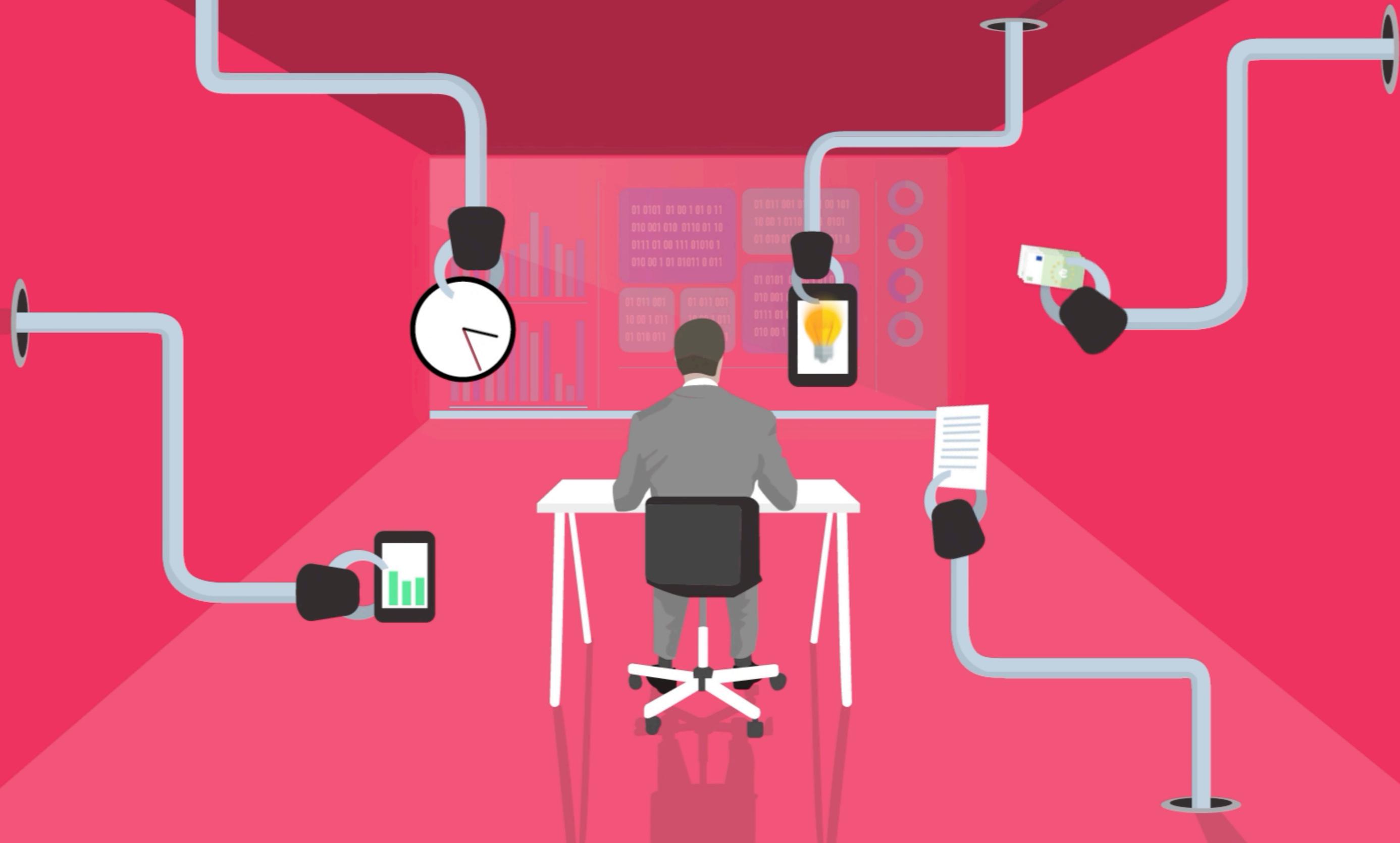
Every leading organisation will hire a Chief Ethics Officer within the next 3 years



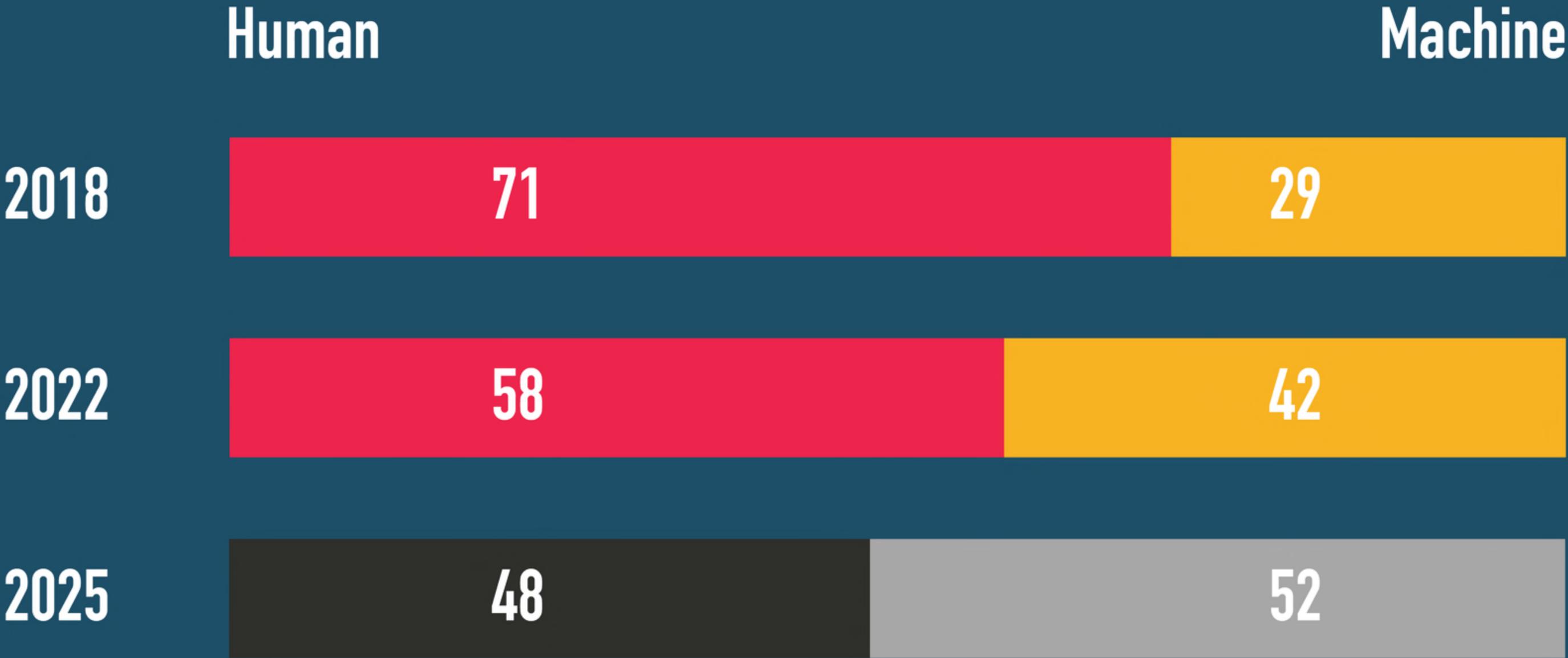
Humans won't be 'useless' but working 'like a robot' clearly has no future



Humans won't be 'useless' but working 'like a robot' clearly has no future

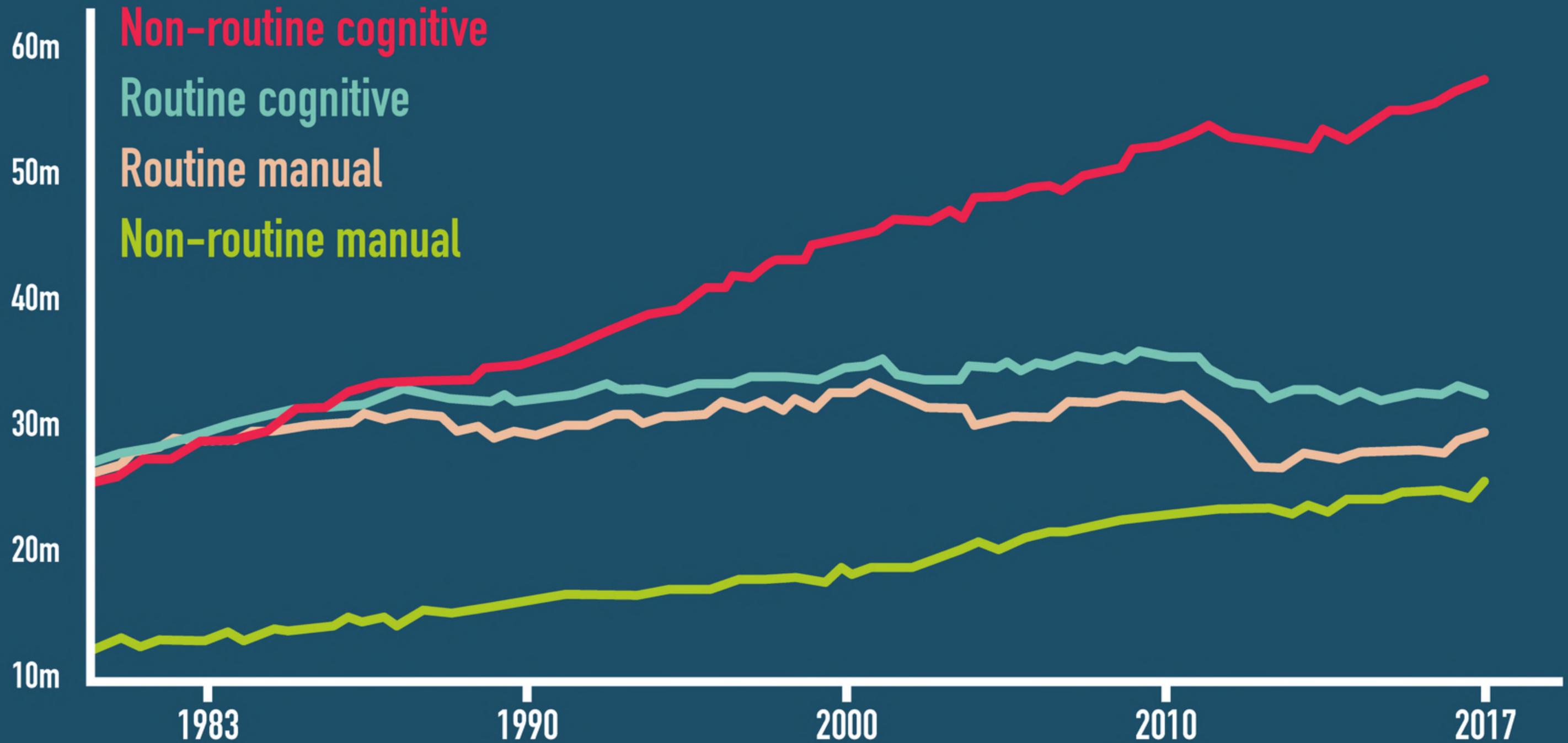


MACHINES WILL INCREASINGLY DO THE ROUTINE WORK



Source: World Economic Forum

NON-ROUTINE WORK IS THE FUTURE!



PURPOSE

PASSION

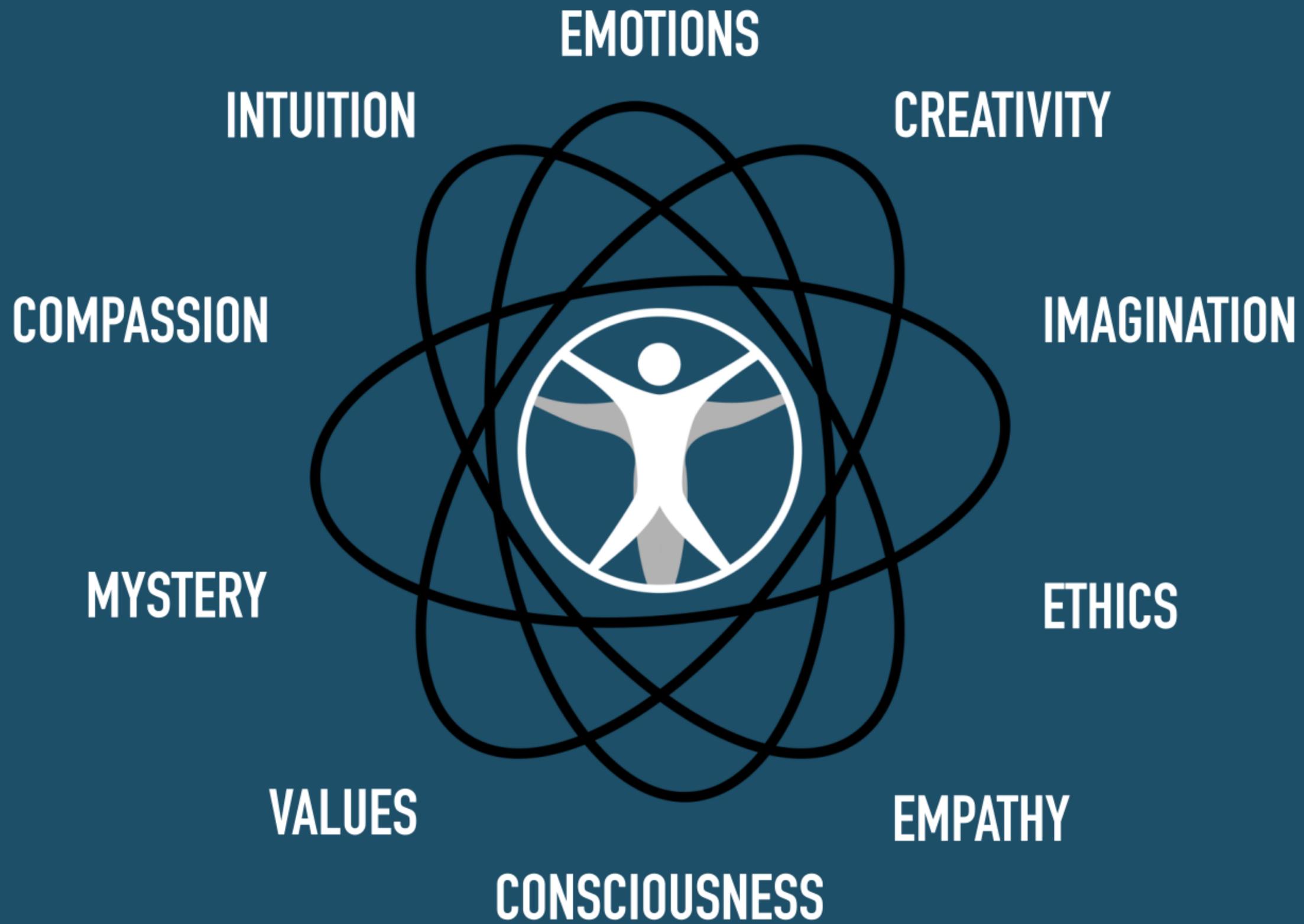
CURIOSITY



IMAGINATION

FORESIGHT

CRITICAL THINKING



2015

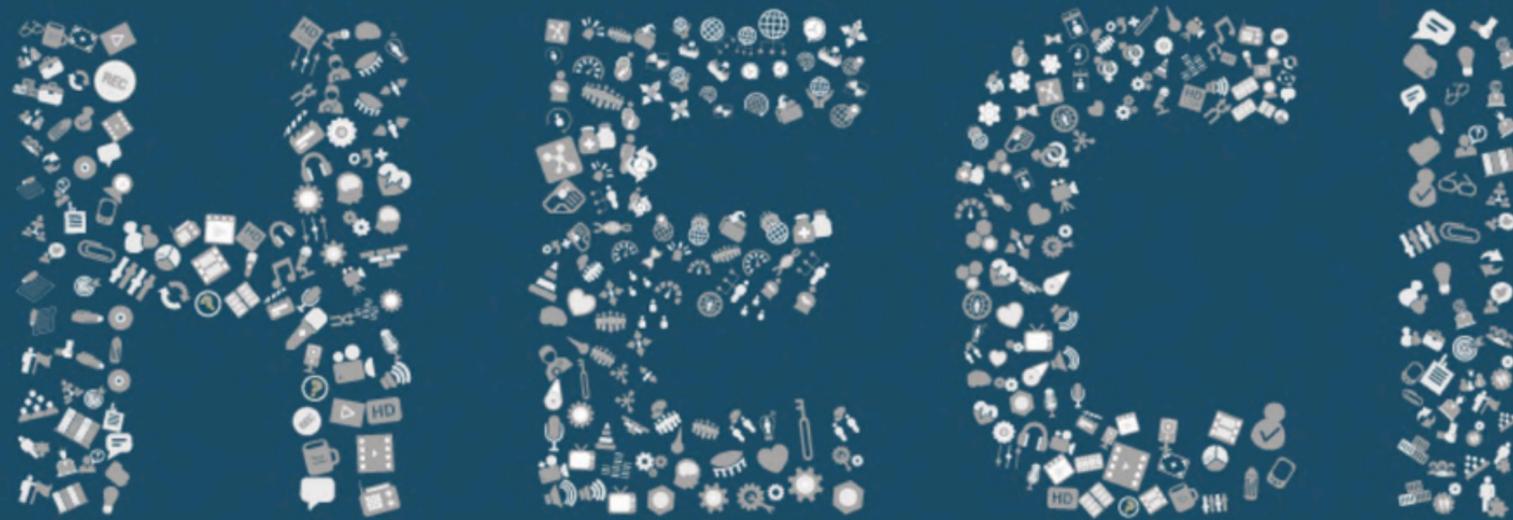
- 1 Complex Problem Solving
- 2 Coordinating with Others
- 3 People Management
- 4 Critical Thinking
- 5 Negotiation
- 6 Quality Control
- 7 Service Orientation
- 8 Judgement and Decision Making
- 9 Active Listening
- 10 Creativity

2020

- 1 Complex Problem Solving
- 2 **Critical Thinking**
- 3 **Creativity**
- 4 People Management
- 5 Coordinating with Others
- 6 **Emotional Intelligence**
- 7 Judgement and Decision Making
- 8 Service Orientation
- 9 Negotiation
- 10 **Cognitive Flexibility**



Science
Technology
Engineering
Mathematics



Humanity
Ethics
Creativity
Imagination

Algorithms can outperform human intelligence when it is NOT about understanding emotions, intentions, interpretations, consciousness, self-awareness aka **#androrithms**



Unsuitable and unsustainable economic logic

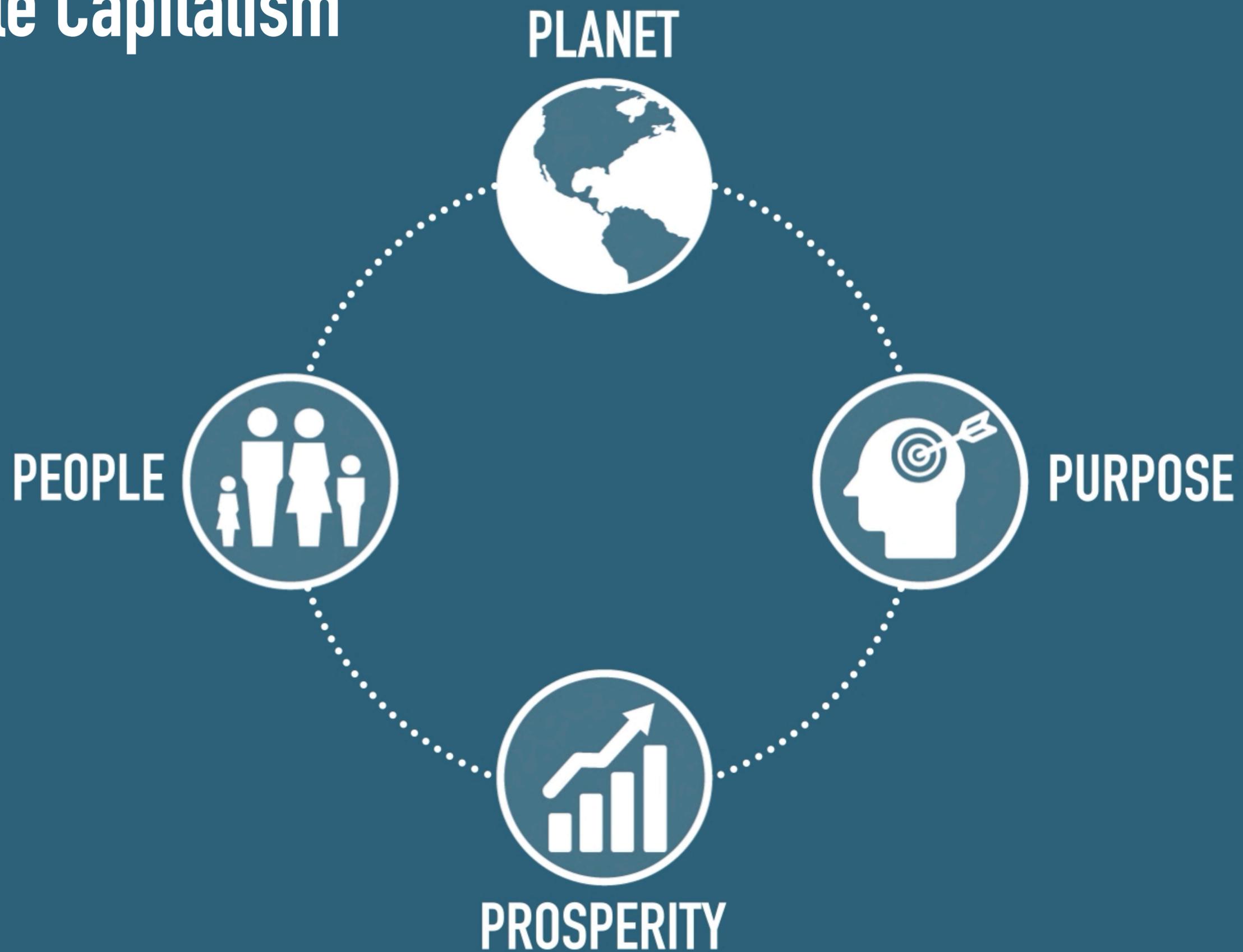
e^x
EXPONENTIAL



Technology is exponential but humans are linear, and nature is cyclical



'Sustainable Capitalism'



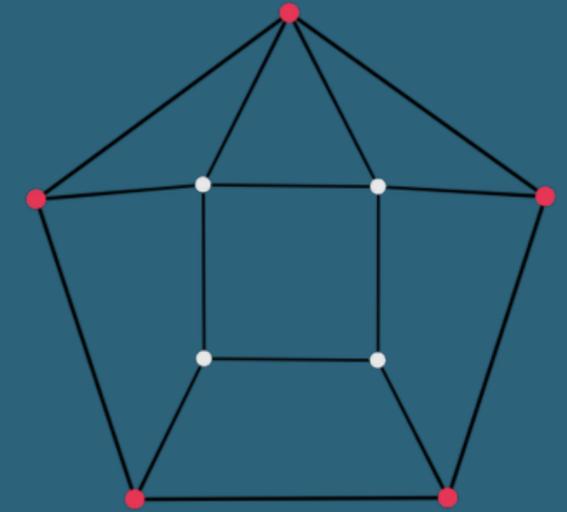
Today

e^x

EXPONENTIAL

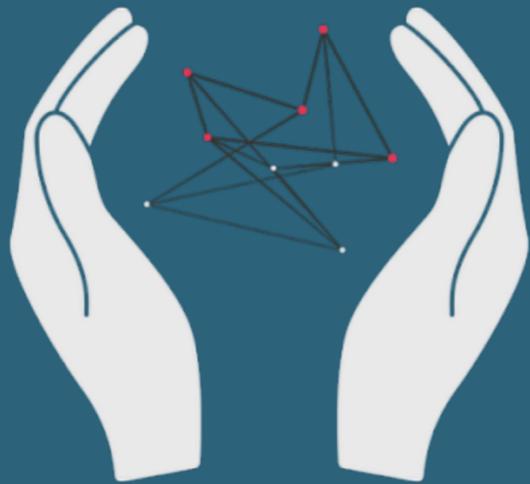


CONVERGENT



COMBINATORIAL

Tomorrow



HOLISTIC



CIRCULAR



HUMAN



We must invest as much in HUMANITY as we invest in TECHNOLOGY



DEHUMANIZATION

RE-HUMANIZATION

**Embrace technology
but don't become it!**

