



23-26 JULY 2023

Melbourne Convention  
and Exhibition Centre

# 'Game Changing Trends in the Future of Food'.

Major changes in 5 years and beyond

**Brett Wiskar**  
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# Wiley Specialising in complex projects



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**CHIEF**

**FUTURE OFFICER**

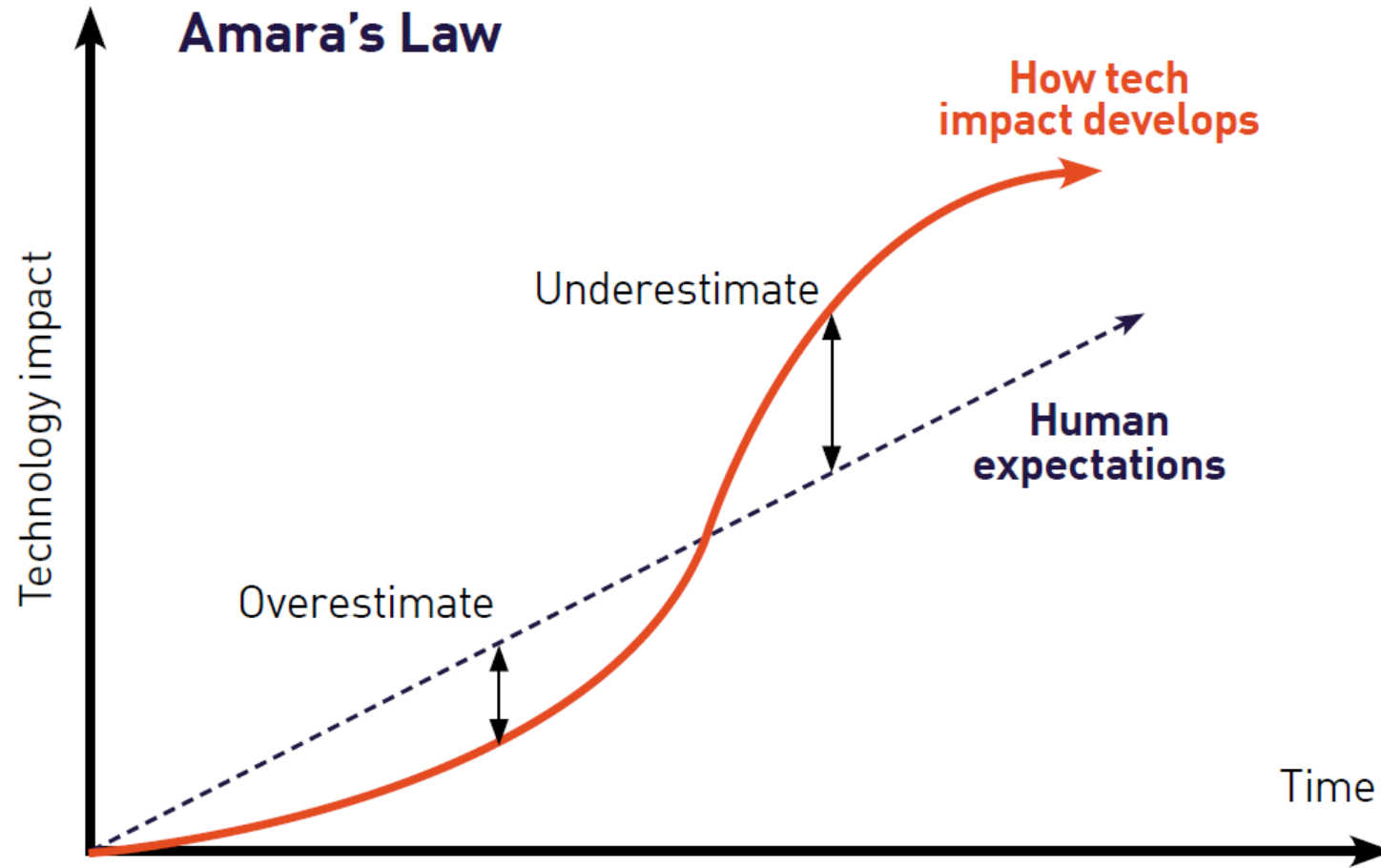
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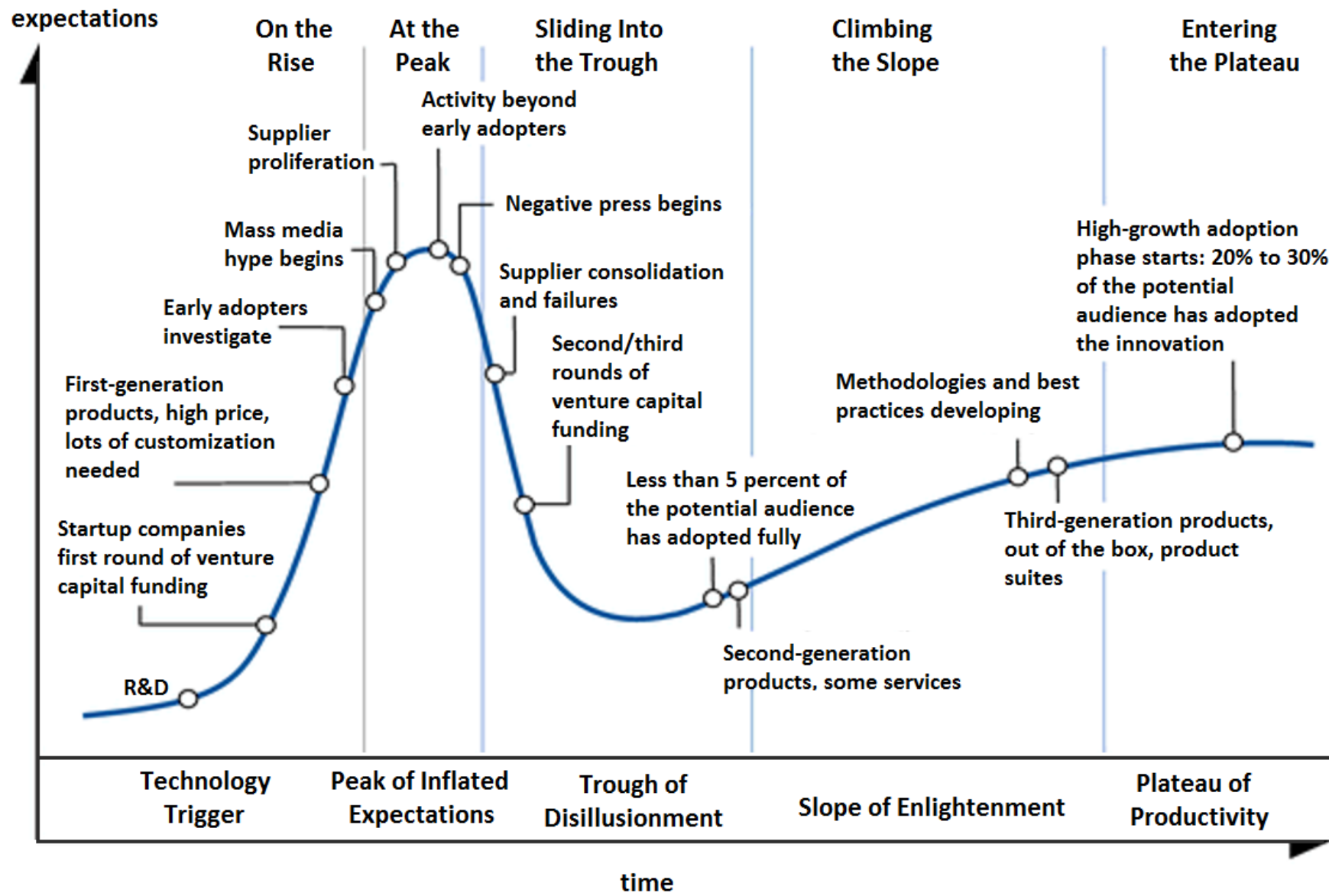
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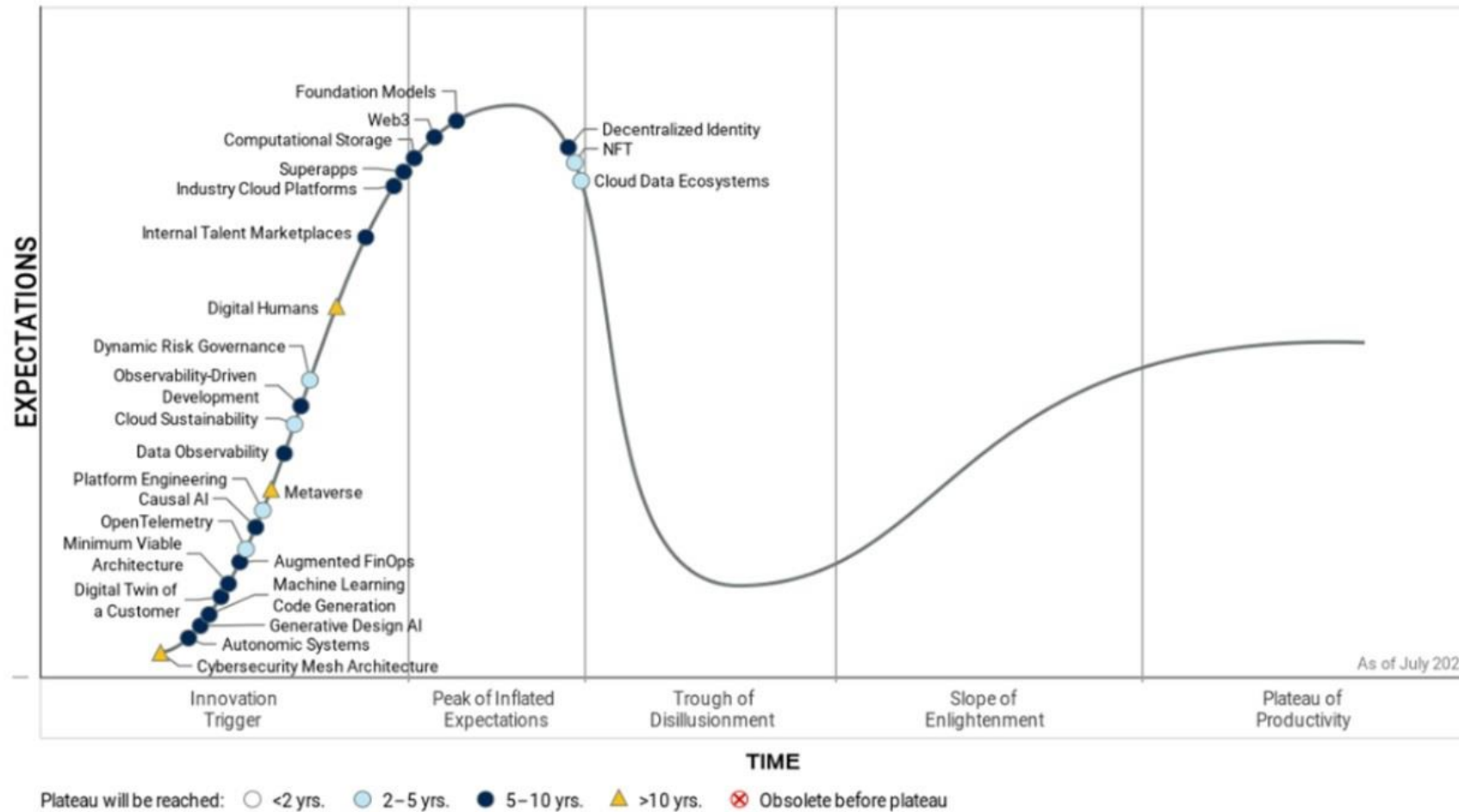
**The slowest change  
you'll ever experience  
again is today.**







# Hype Cycle for Emerging Technologies, 2022



Gartner

# Compounding CHANGE

# CONVERGENCE

A large, powerful wave is breaking in the middle of the ocean. The water is a vibrant turquoise color, and the crest of the wave is white with foam. The background shows a vast expanse of the sea under a clear sky.

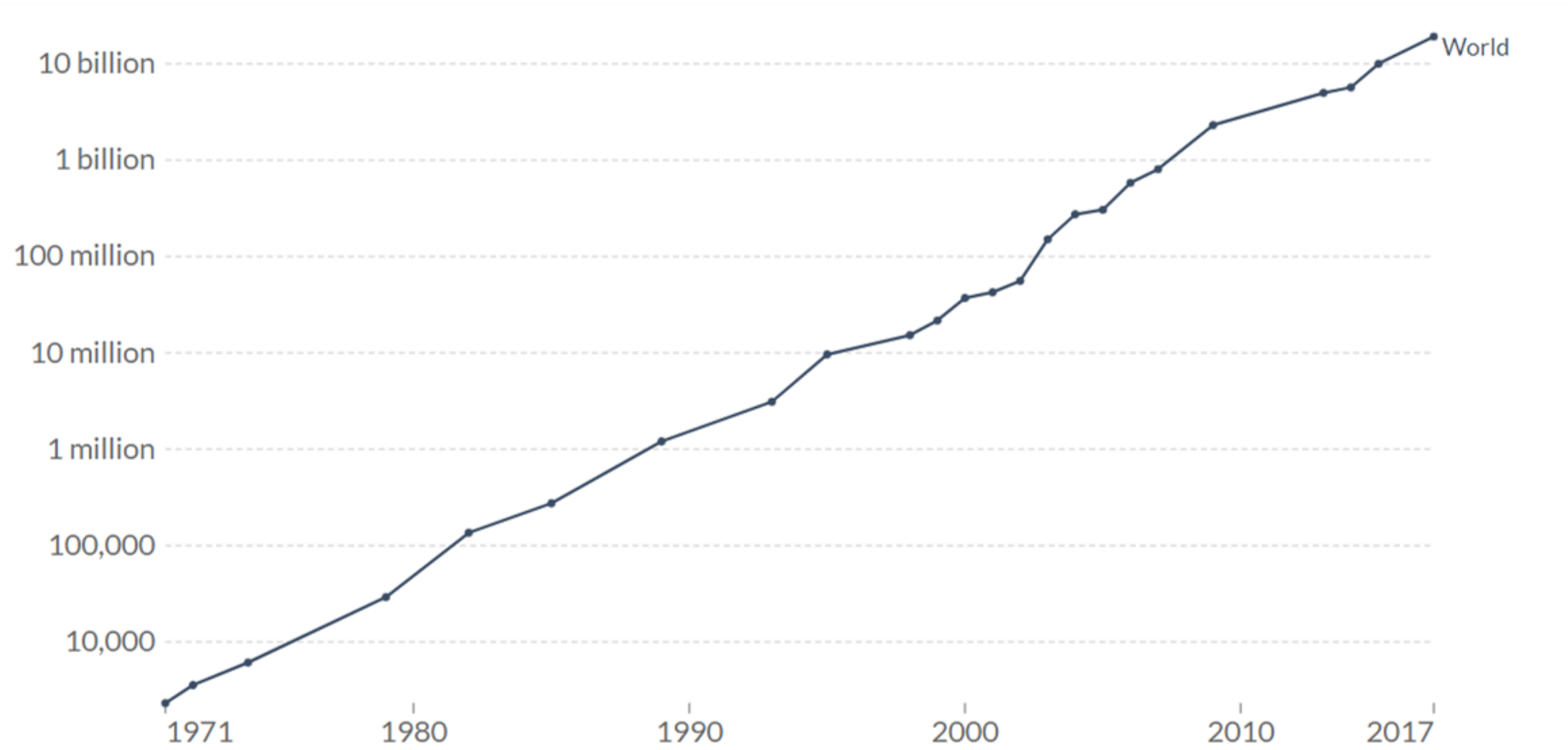
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# Moore's Law: Transistors Per Microprocessor

(in million U.S. dollars)\*

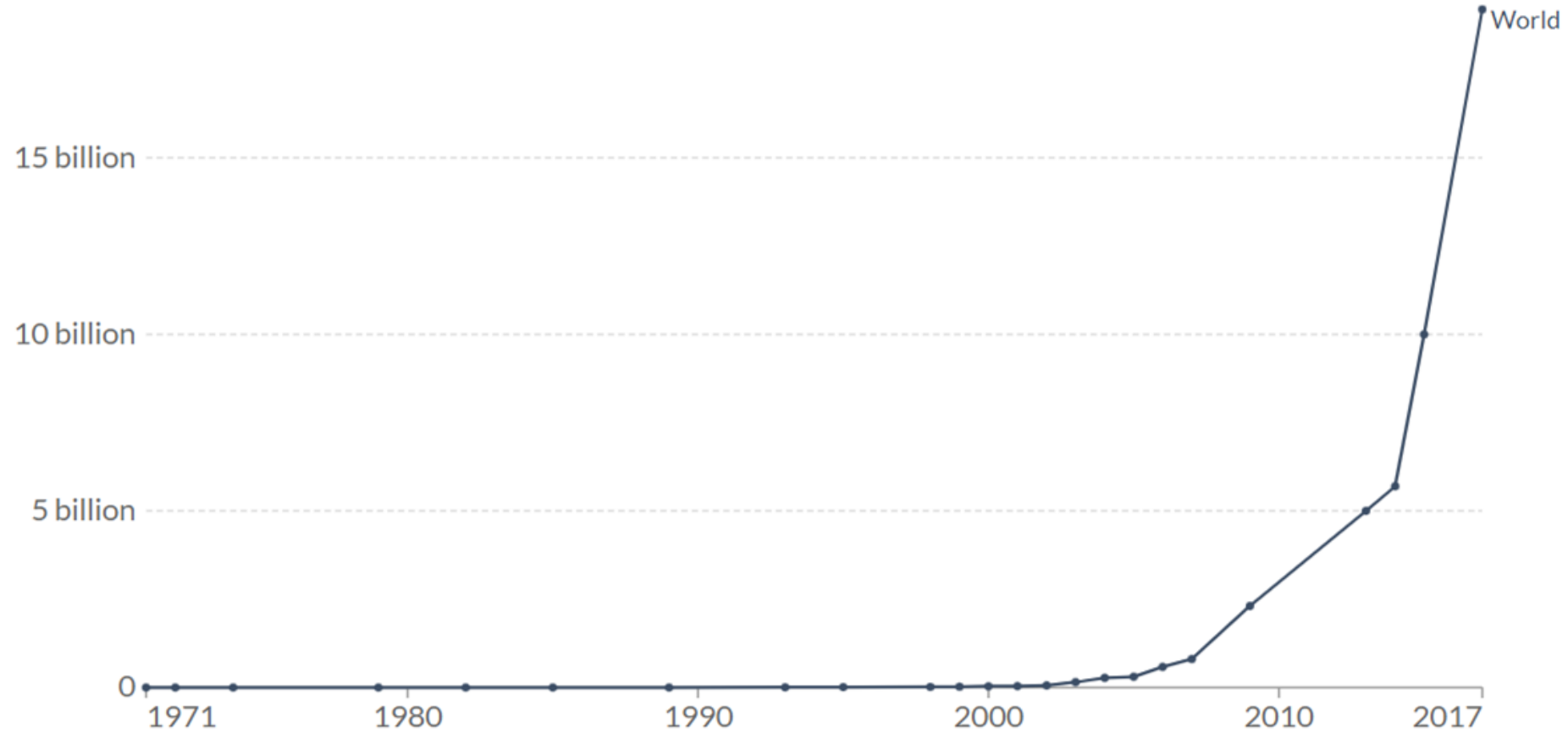


Source: Karl Rupp. 40 Years of Microprocessor Trend Data.

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# Moore's Law: Transistors Per Microprocessor

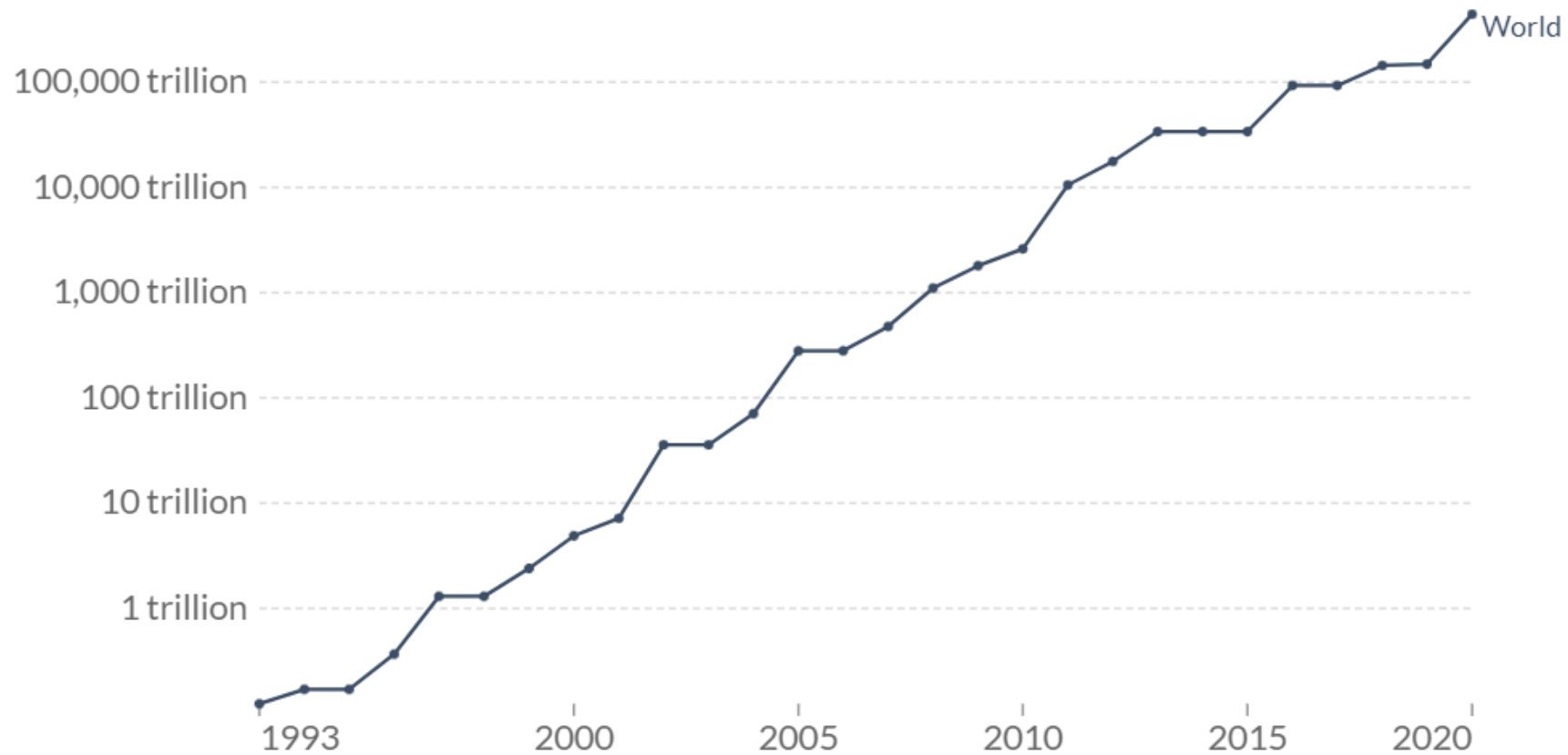
(in million U.S. dollars)\*



Source: Karl Rupp. 40 Years of Microprocessor Trend Data.

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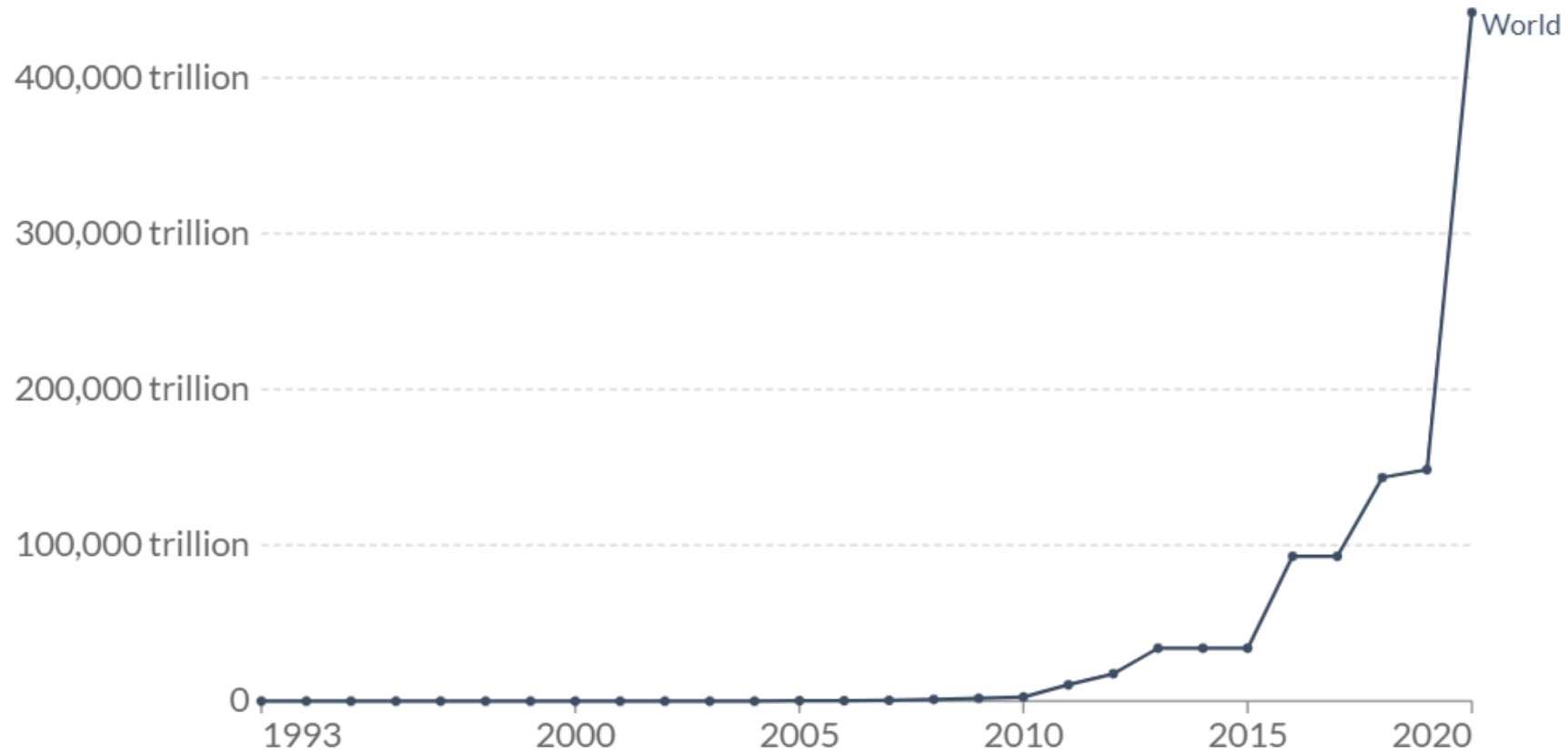
# Supercomputer Power (FLOPS), 1993 to 2020



Source: TOP500 Supercomputer Database

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# Supercomputer Power (FLOPS), 1993 to 2020

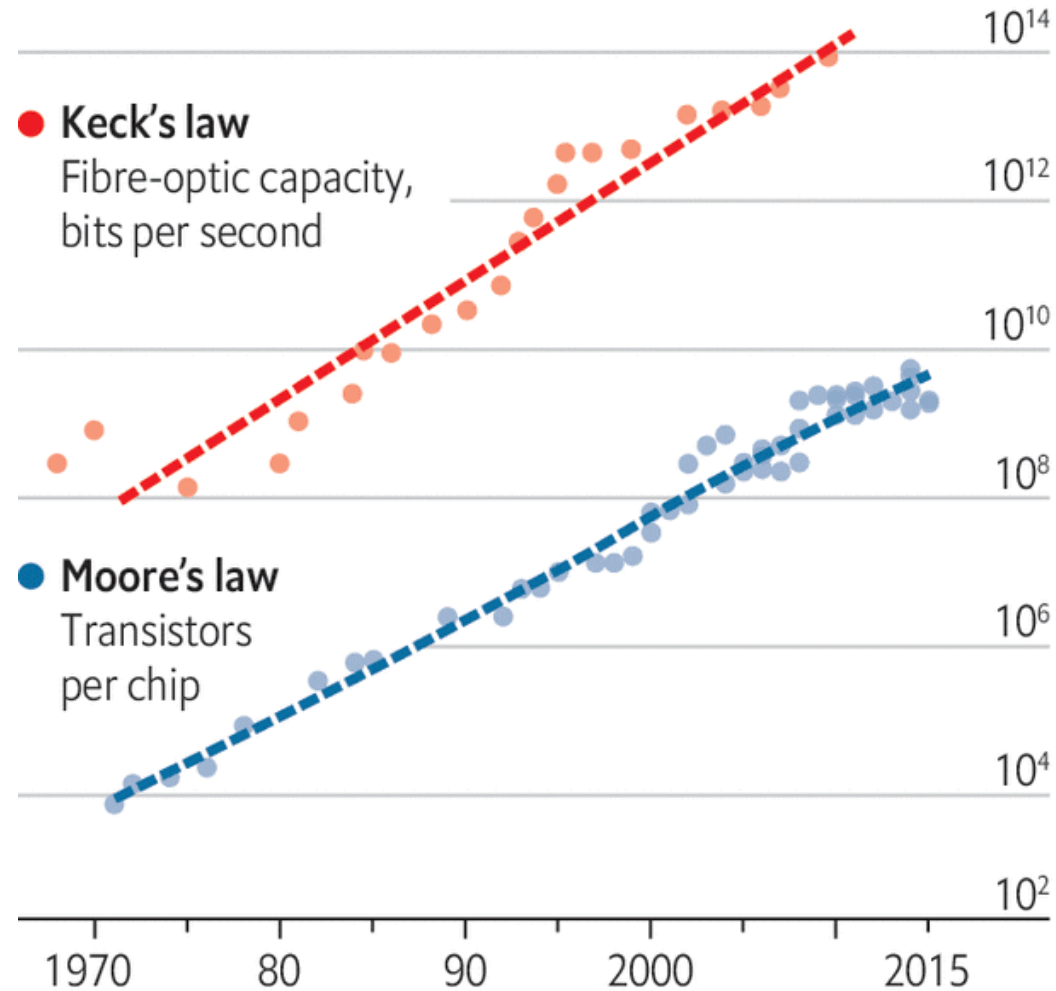


Source: TOP500 Supercomputer Database

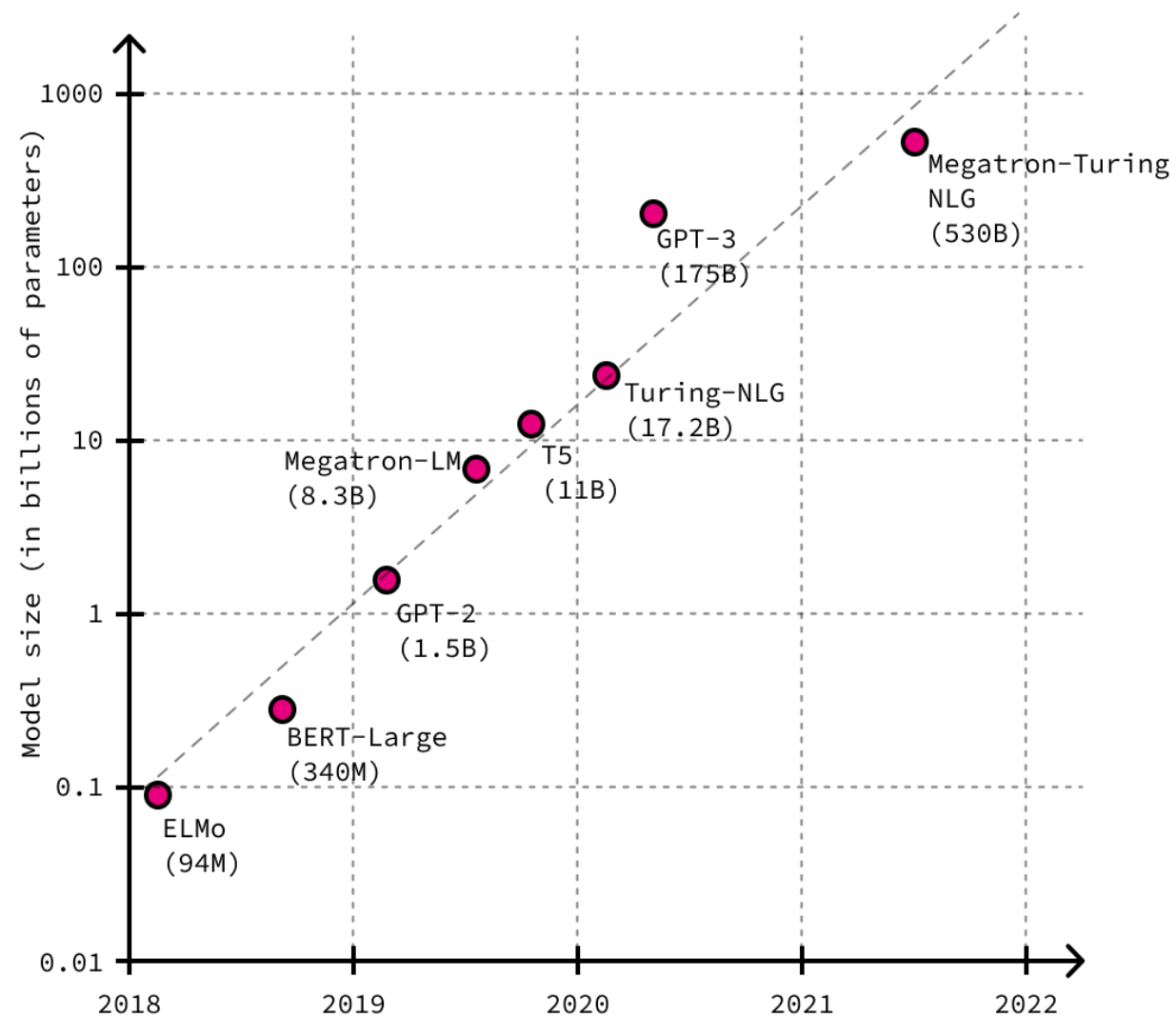
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# Moore's Law vs Keck's Law (Log Scale) 1970 to 2015



# Artificial Intelligence Model Size, 2018 to 2022



Mid 80s

Mid 90s





**Who is watching this  
for your business?**

# ChatGPT



**How does AI work?  
Is it magic?  
How can it work for  
you?**





# Where's your data

Historians

Data Lakes

Video

Integration

**Who is watching  
this for you?**

Courses for Individuals



# Artificial Intelligence: Implications for Business Strategy

★★★★★ [Read 180 Reviews](#)

Course Dates	Format	Duration	Time Commitment	Price
Aug 16-Oct 3, 2023	Self-Paced Online (date based)	6 weeks	6-8 hours/week	\$3,200
Oct 4-Nov 21, 2023	Self-Paced Online (date based)	6 weeks	6-8 hours/week	\$3,200
Nov 22, 2023-Jan 30, 2024	Self-Paced Online (date based)	6 weeks	6-8 hours/week	\$3,200

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**Certificate Credits**

2.0 EEU's

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# ADAPTABILITY

# People

**Affordability**

**Future skills**

**Cost of living**

**Find you why?**

**WFH**

**Hybrid working**

# WORLD ECONOMIC FORUM

## TOP TEN SKILLS OF 2025

1. Analytical thinking & innovation
2. Active learning & learning strategies
3. Complex problem-solving
4. Critical thinking & analysis
5. Resilience, stress tolerance, & flexibility
6. Creativity, originality, & initiative
7. Leadership & social influence
8. Reasoning, problem-solving, & ideation
9. Emotional intelligence
10. Technology design & programming

# VR



# ESG?





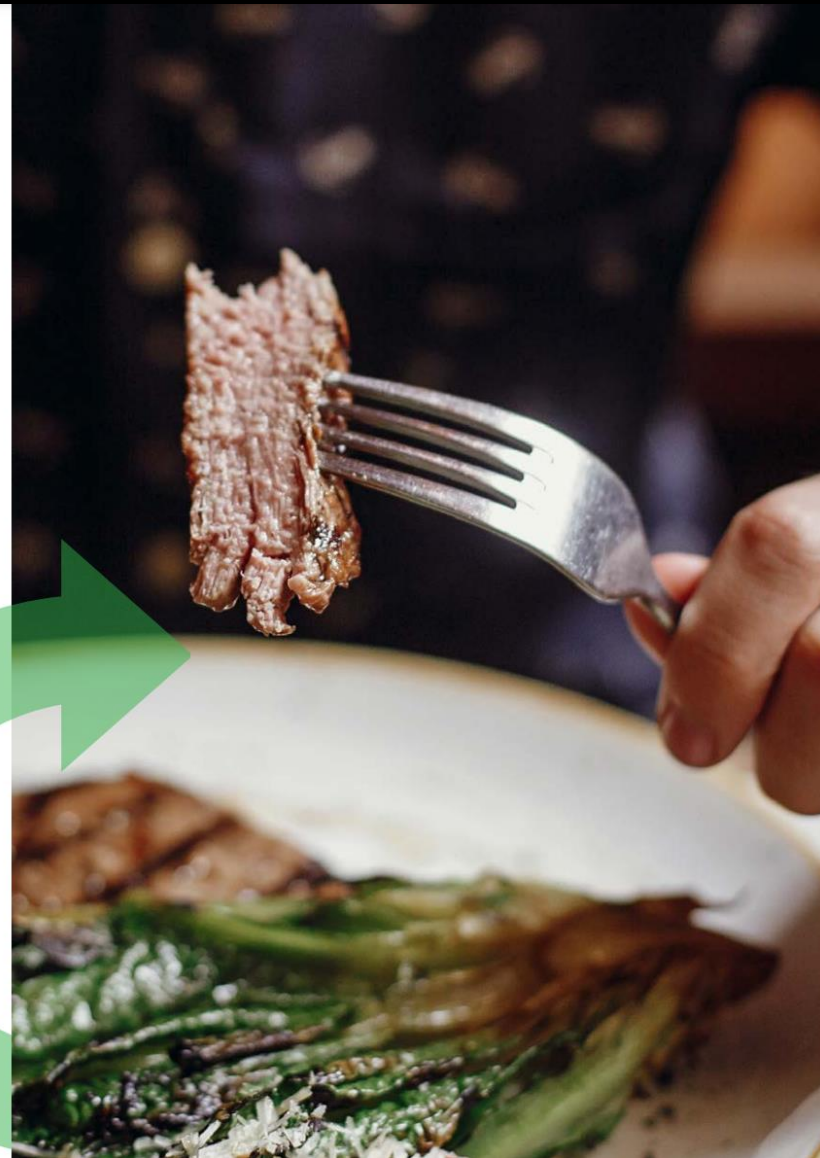
# Sustainability

# Energy

# Water

The Australian  
Red Meat Industry's  
**Carbon  
Neutral  
by 2030  
Roadmap**

**CN  
30**



# Carbon accounting changes

# Carbon accounting changes

The science has been detailed by the International Panel on Climate Change (IPCC), the United Nations body responsible for assessing the science related to climate change.

Governments come together each year to discuss the politics at the Conference of the Parties (COP) to the United Nations Framework Convention on Climate Change (UNFCCC).

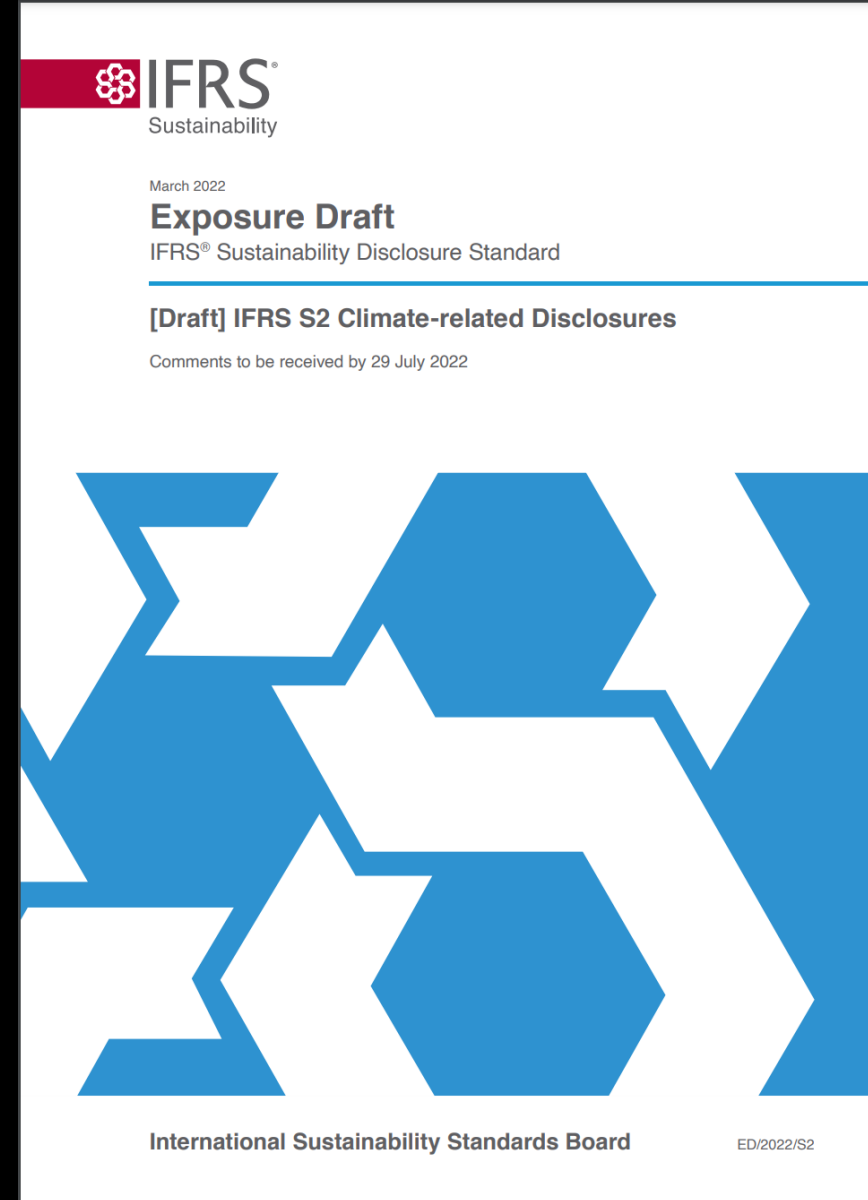
The economics and financial impacts have been considered by the Taskforce on Climate-related Financial Disclosure (TCFD) and the International Sustainability Standards Board (ISSB).

# Carbon accounting changes

ISSB standard IFRS S2 released in June 2023 provides guidelines for reporting on environmental matters, including carbon emissions. The Australian Treasury Consultation Paper released in June 2023 contains proposed regulatory changes and guidelines specific to carbon emissions reporting for Australian businesses that align with TCFD and ISSB IFRS S2.



# Impact of Carbon accounting



# How...

Measure

Reduce/  
Mitigate

Reuse/  
Recycle

Generate

Store

Offset

# Concrete

**8% of all CO2 emissions is from concrete construction**

**80% - 90% of this can be eliminated through use of carbon friendly concrete solutions but needs to be planned and designed into the project.**

# Concrete case study



REDUCE YOUR PROJECT CARBON FOOTPRINT BY 70%

# Useful resources



Source: <https://sdgs.un.org/goals/>



Source: <https://www.effra.eu/>

AI : People : ESG

What's your plan?

**Tomorrow 10:30am**

**Brandon Miller**

**Don't Build Today's'  
Facility for Tomorrow**

# Thank you.

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