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FUTURES
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Online Conference on Sustainability and the Future of Capitalism



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Some Book Tips



THE FUTURE WE CHOOSE



Surviving the Climate Crisis

Christiana Figueres and Tom Rivett-Carnac

Architects of the 2015 Paris Agreement

NEW YORK TIMES BESTSELLER



The (Burning) Case for a GREEN NEW DEAL NAOMI KLEIN

Author of the New York Times Bestseller *THIS CHANGES EVERYTHING*

The Future of Capitalism

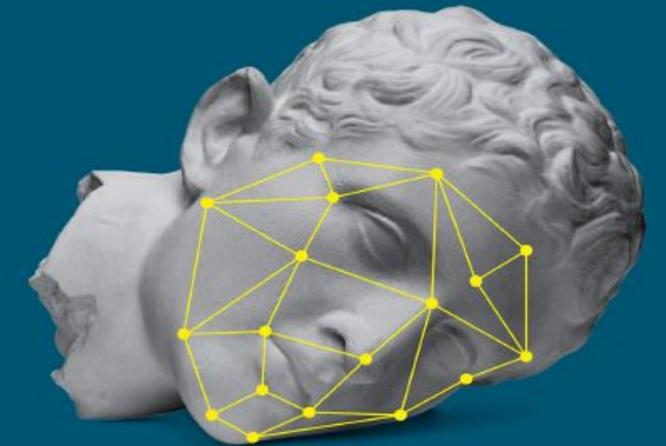
FACING THE NEW ANXIETIES

PAUL COLLIER

"The most important book I have read in quite some time."
—Daniel Kahneman, author of *THINKING, FAST AND SLOW*

Human Compatible

ARTIFICIAL INTELLIGENCE AND THE PROBLEM OF CONTROL



Stuart Russell

TRENDS SET TO IMPACT BUSINESS GROWTH **POSITIVELY** / **NEGATIVELY** UP TO 2022, TOP TEN

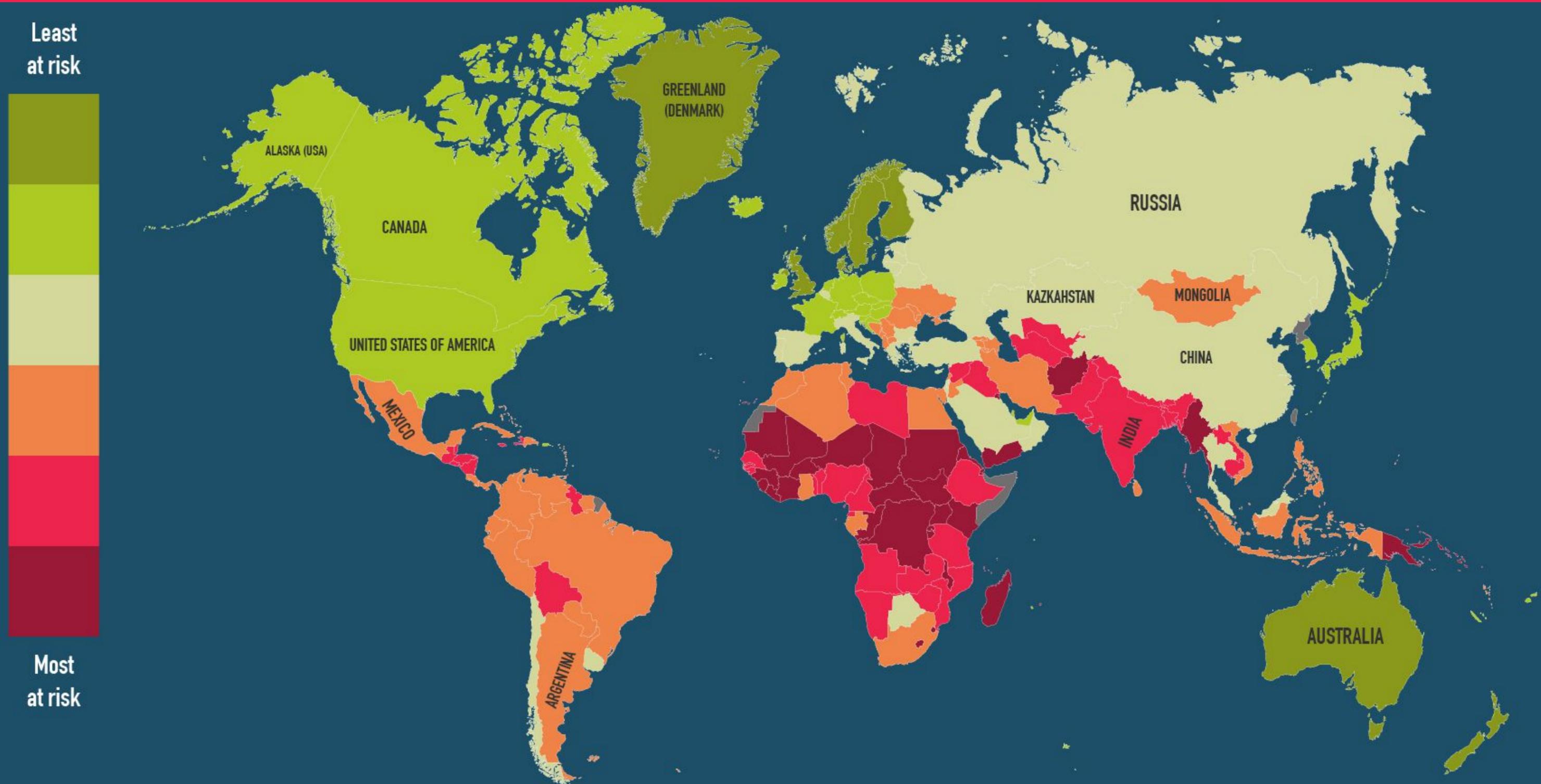
Trends set to positively impact business growth up to 2022

- Increasing adoption of new technology
- Increasing availability of big data
- Advances in mobile internet
- Advances in artificial intelligence
- Advances in cloud technology
- Shifts in national economic growth
- Expansion of affluence in developing economies
- Expansion of education
- Advances in new energy supplies and technologies
- Expansion of the middle classes

Trends set to negatively impact business growth up to 2022

- Increasing protectionism
- Increase of cyber threats
- Shifts in government policy
- Effects of climate change
- Increasingly ageing societies
- Shifts in legislation on talent migration
- Shifts in national economic growth
- Shifts of mindset among the new generation
- Shifts in global macroeconomic growth
- Advances in artificial intelligence

Sustainability & Climate Change ☯ Technology ☯ Economic Logic



Climate Emergency

Dehumanisation (Human Emergency)

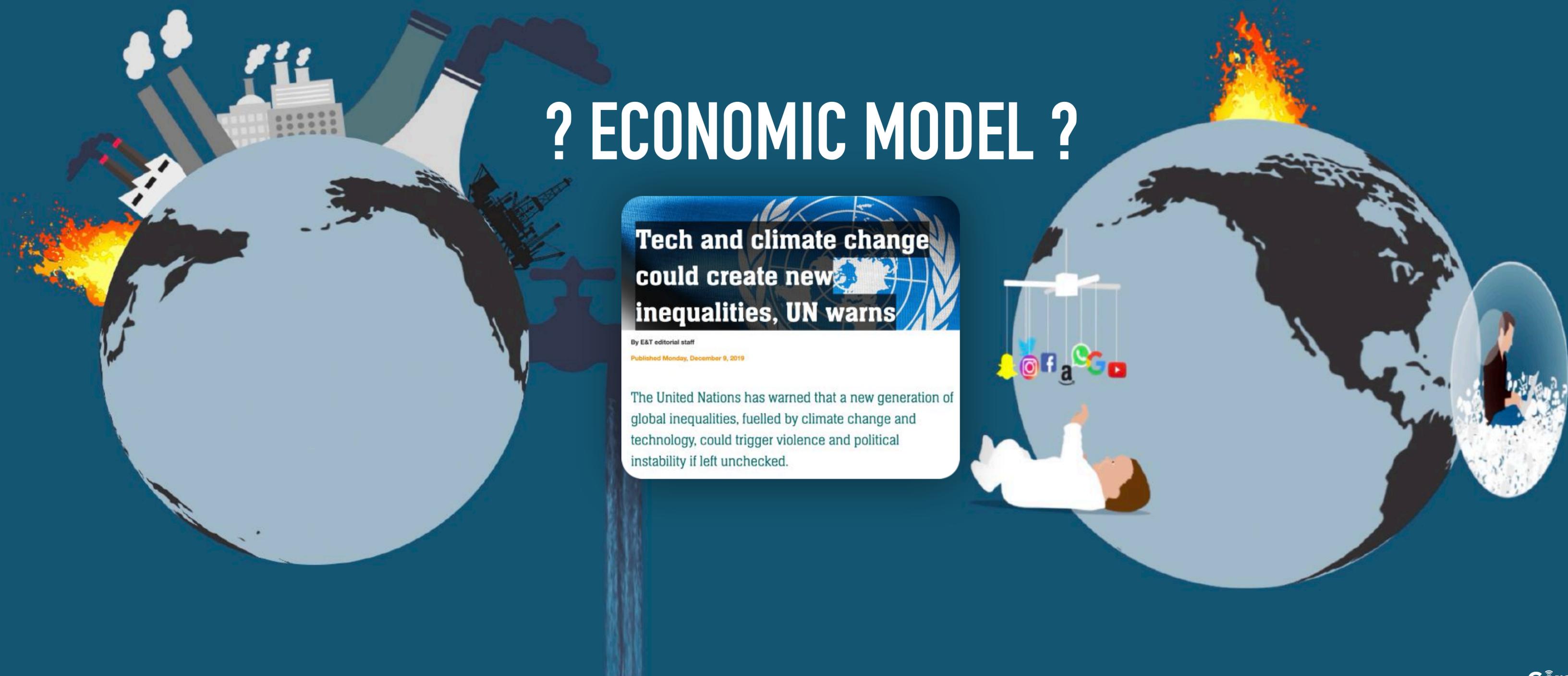
? ECONOMIC MODEL ?

**Tech and climate change
could create new
inequalities, UN warns**

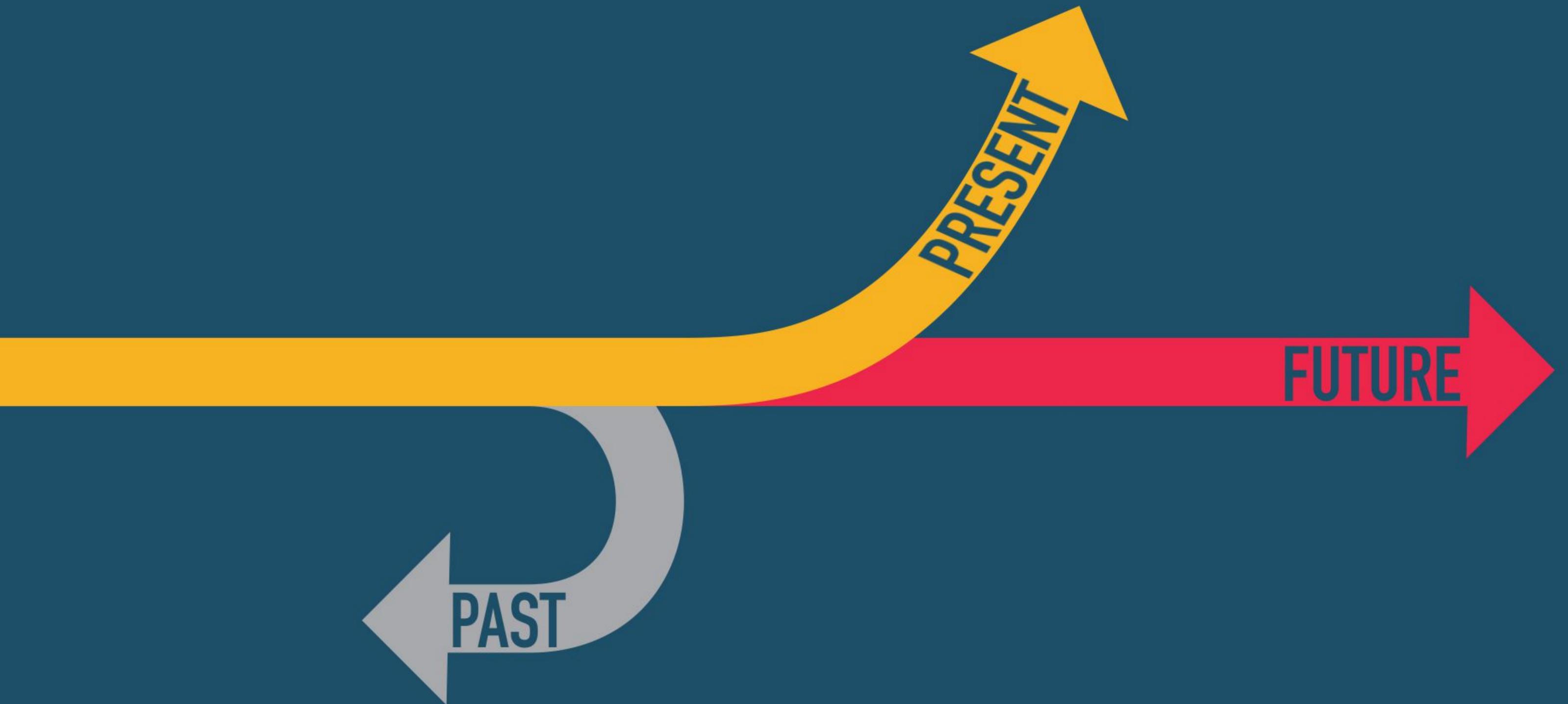
By E&T editorial staff

Published Monday, December 9, 2019

The United Nations has warned that a new generation of global inequalities, fuelled by climate change and technology, could trigger violence and political instability if left unchecked.



Business as usual is dead...or dying



Business as usual is dead...or dying



BlackRock chief Laurence Fink says climate change will drive investment shifts

Business as usual is dead...or dying

Larry Fink's annual letter to CEOs : A Sense of Purpose

01/16/2018 12:09 pm ET

To prosper over time, every company must not only deliver financial performance, but also show how it makes a positive contribution to society.

LAURENCE D. FINK

Chairman & Chief Executive Officer

BLACKROCK®

RE

Business as usual is dead...or dying

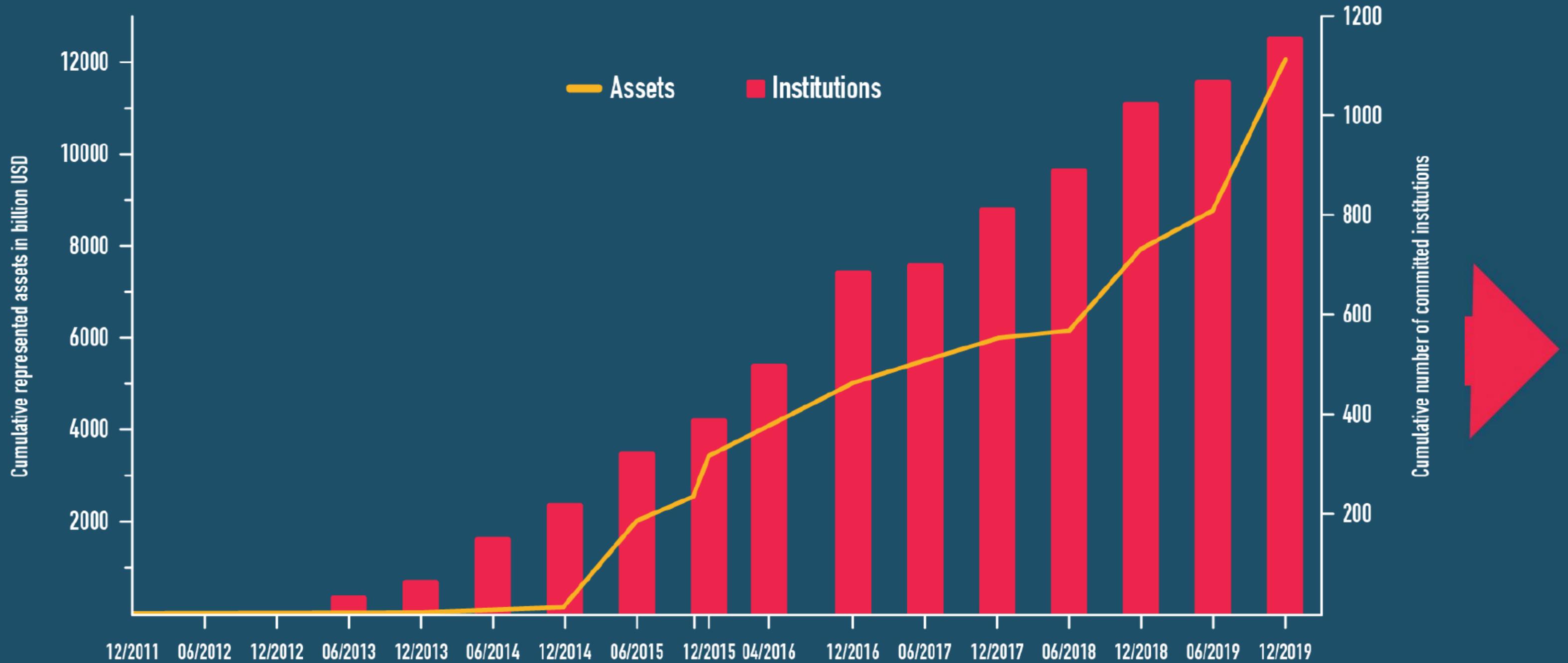
Shareholder Value Is No Longer Everything, Top C.E.O.s Say

Chief executives from the Business Roundtable, including the leaders of Apple and JPMorgan Chase, argued that companies must also invest in employees and deliver value to customers.



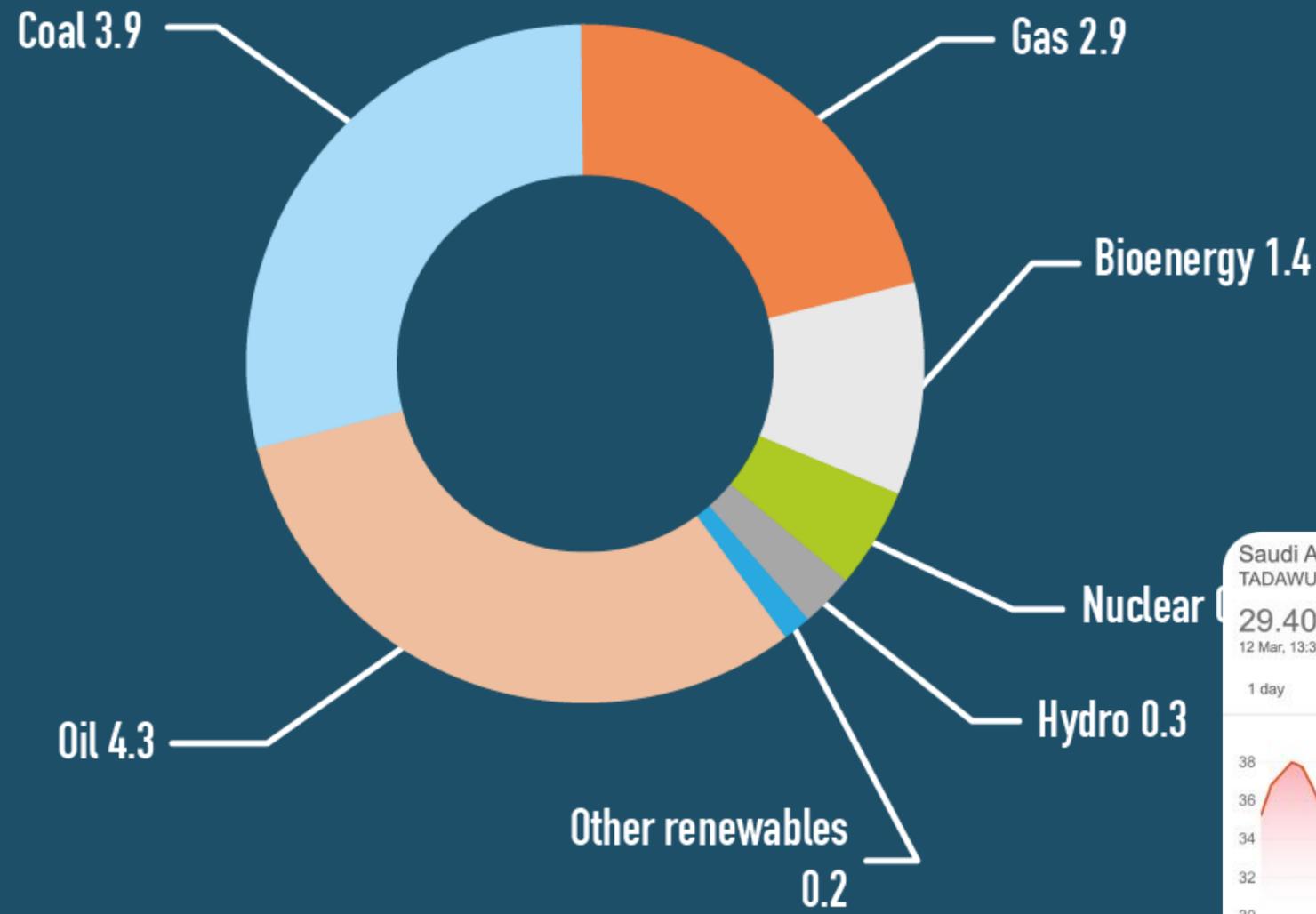
Business as usual is dead...or dying

GROWTH OF FOSSIL-FUEL DIVESTMENT

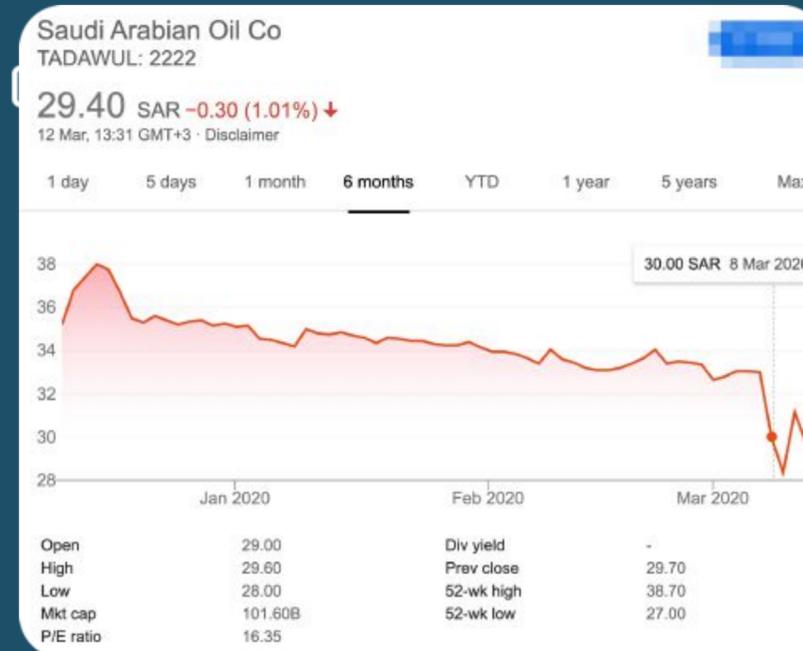
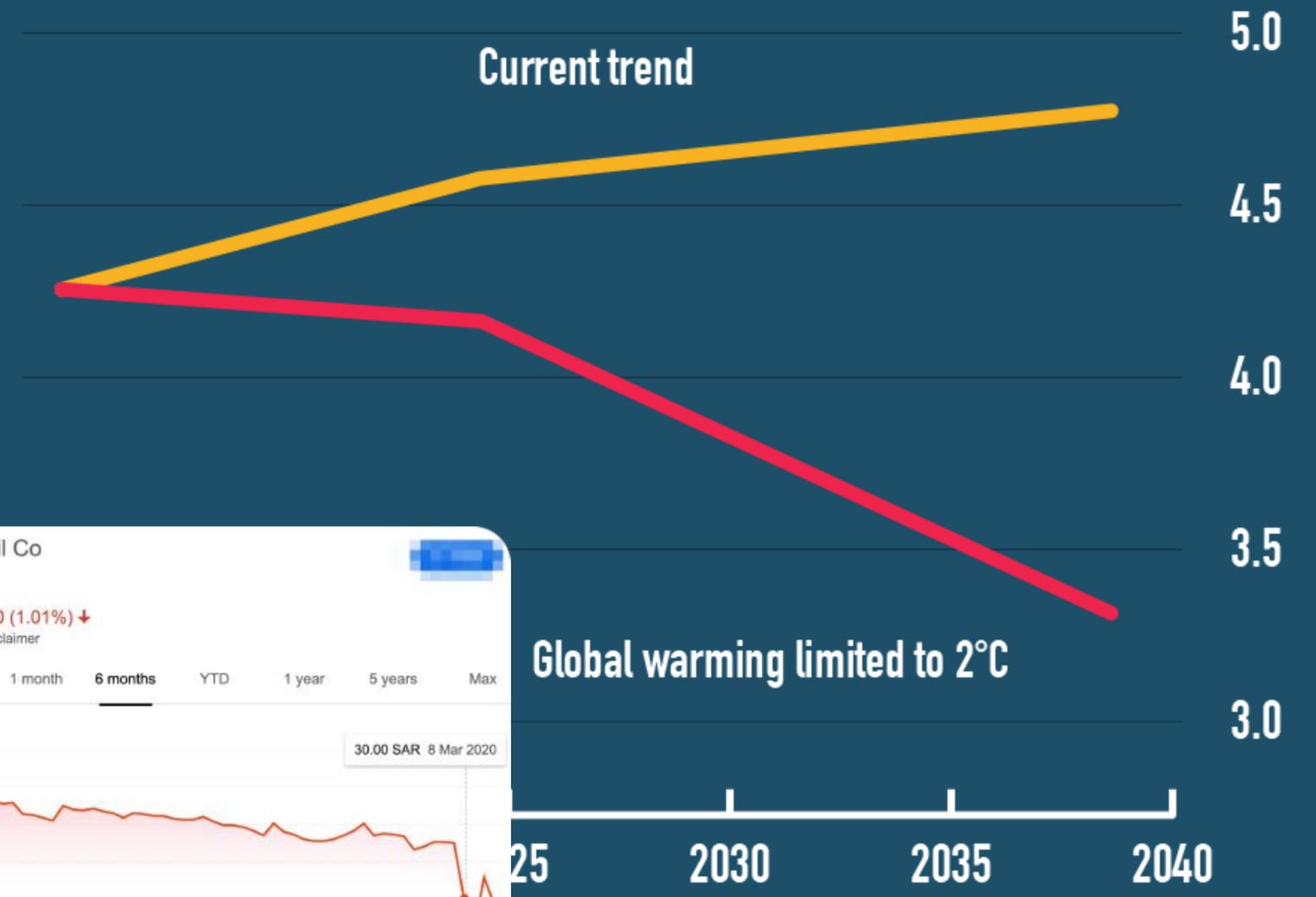


Investing in oil, gas and coal will soon become socially and ethically indefensible*

Global primary-energy demand
2014, bn tonnes of oil equivalent

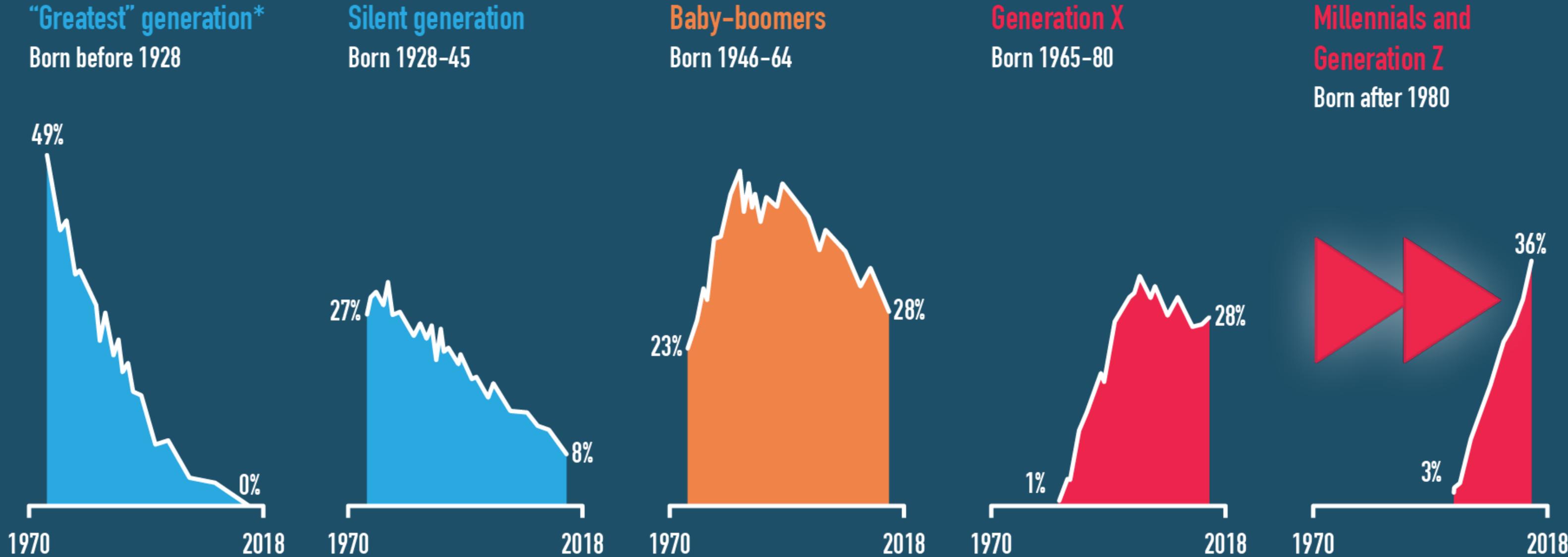


Oil-demand forecasts
Bn tonnes of oil equivalent



A globally rising tide of protest about failure to tackle climate change, the strong reference of GenY/Z to purpose-led businesses (and their dislike of those companies that fall short), and conflicts over the fact that wages continue to lag overall economic growth

(via the FT)



Source: The Economist

The world's 2,153 billionaires hold more wealth than poorest 4.6 billion combined

(Oxfam, 2020)



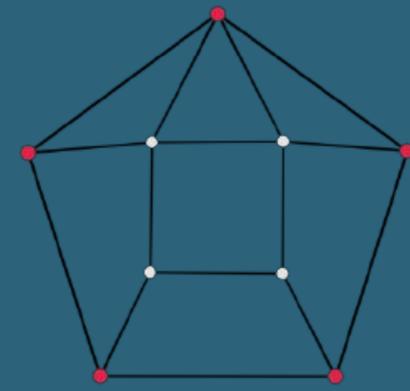
Sustainable is becoming the new 'exponential'

$$e^x$$

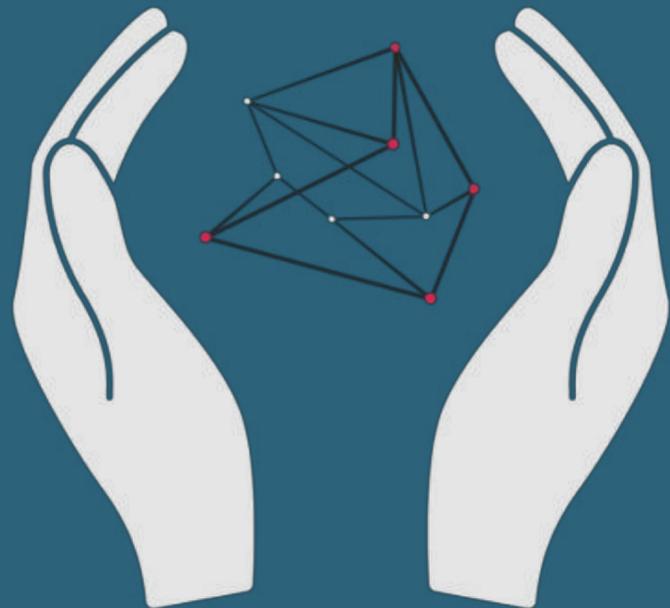
EXPONENTIAL



CONVERGENT



COMBINATORIAL



HOLISTIC



CIRCULAR



HUMAN

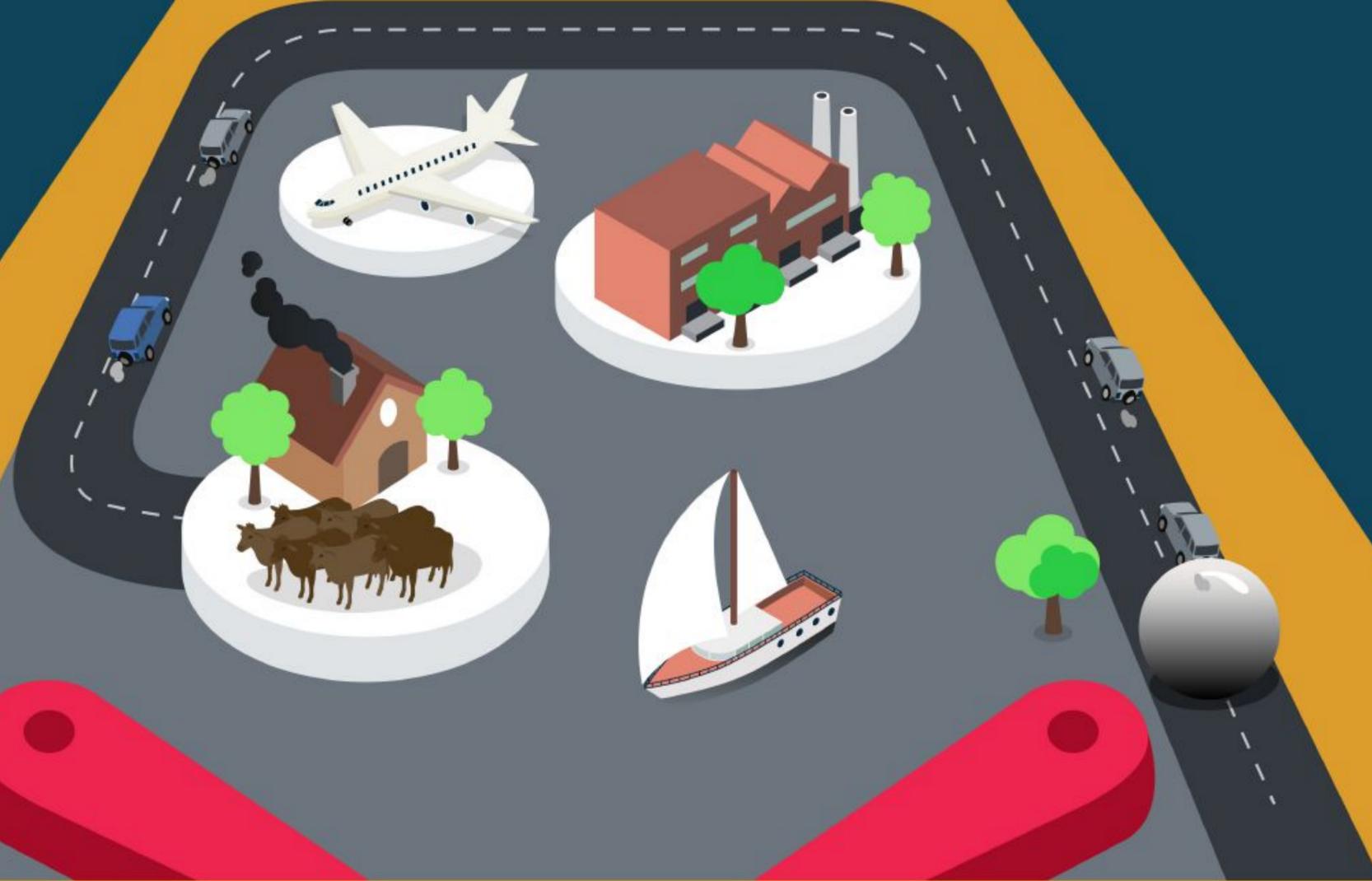


CARBON TAX





CARBON TAX





CARBON TAX



Industry and Manufacturing

Cars and Transportation

Logistics and Shipping

Agriculture and Meat

Flights & Travel



CARBON TAX

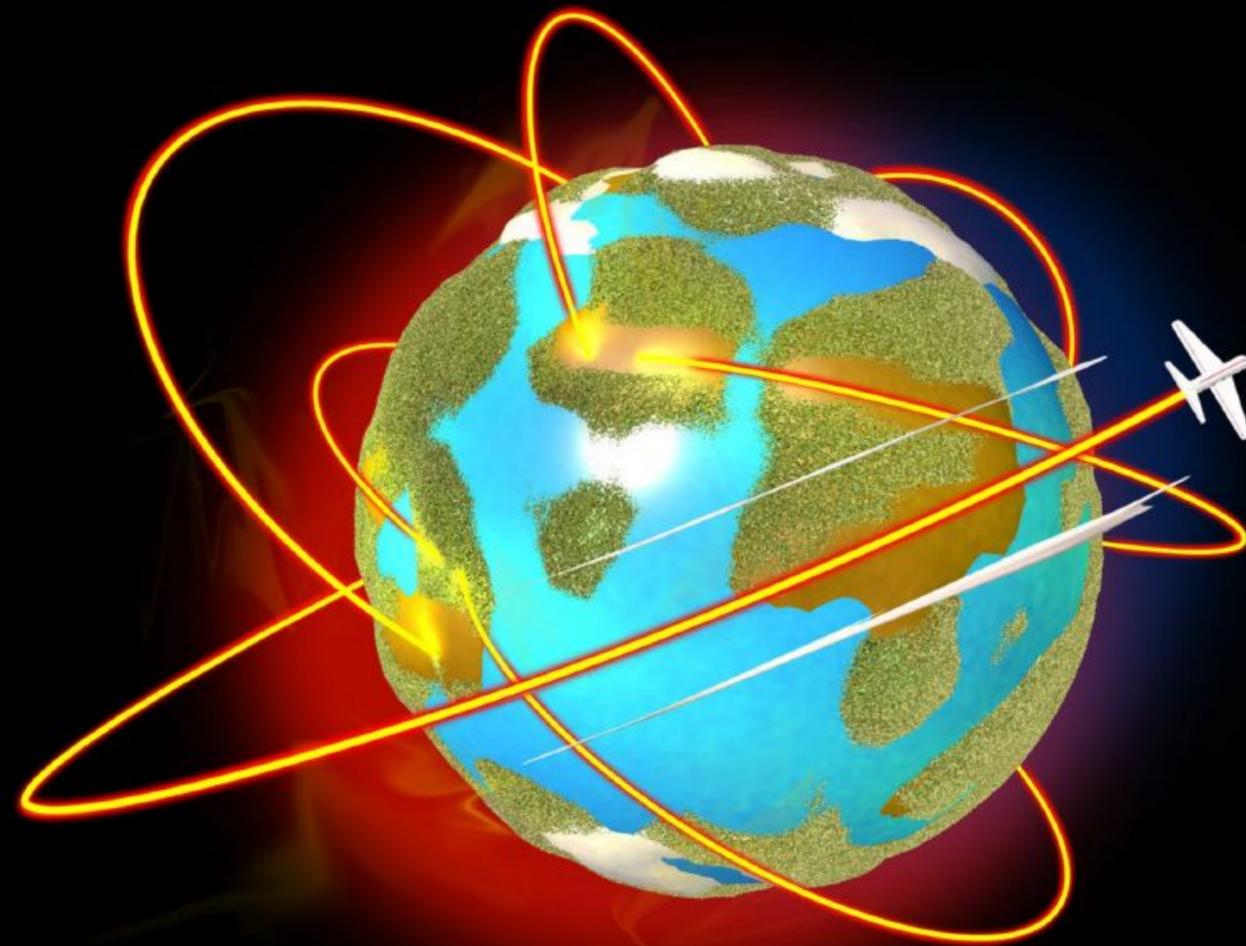


CARBON TAX



Are Frequent Flier Miles Killing the Planet?

Climate activists say it is time to rethink loyalty programs that reward consumers for taking flights.



“The markets can and will do much to address climate change,” David Solomon, CEO of Goldman Sachs, a founding member of the CLC, told TIME.

“But given the magnitude and urgency of this challenge, governments must put a price on the cost of carbon.”

THE CONSERVATIVE CASE FOR CARBON DIVIDENDS

How a new climate strategy can strengthen our economy,
reduce regulation, help working-class Americans, shrink
government & promote national security



GREEN NEW DEAL

The Carbon Dividends Plan:

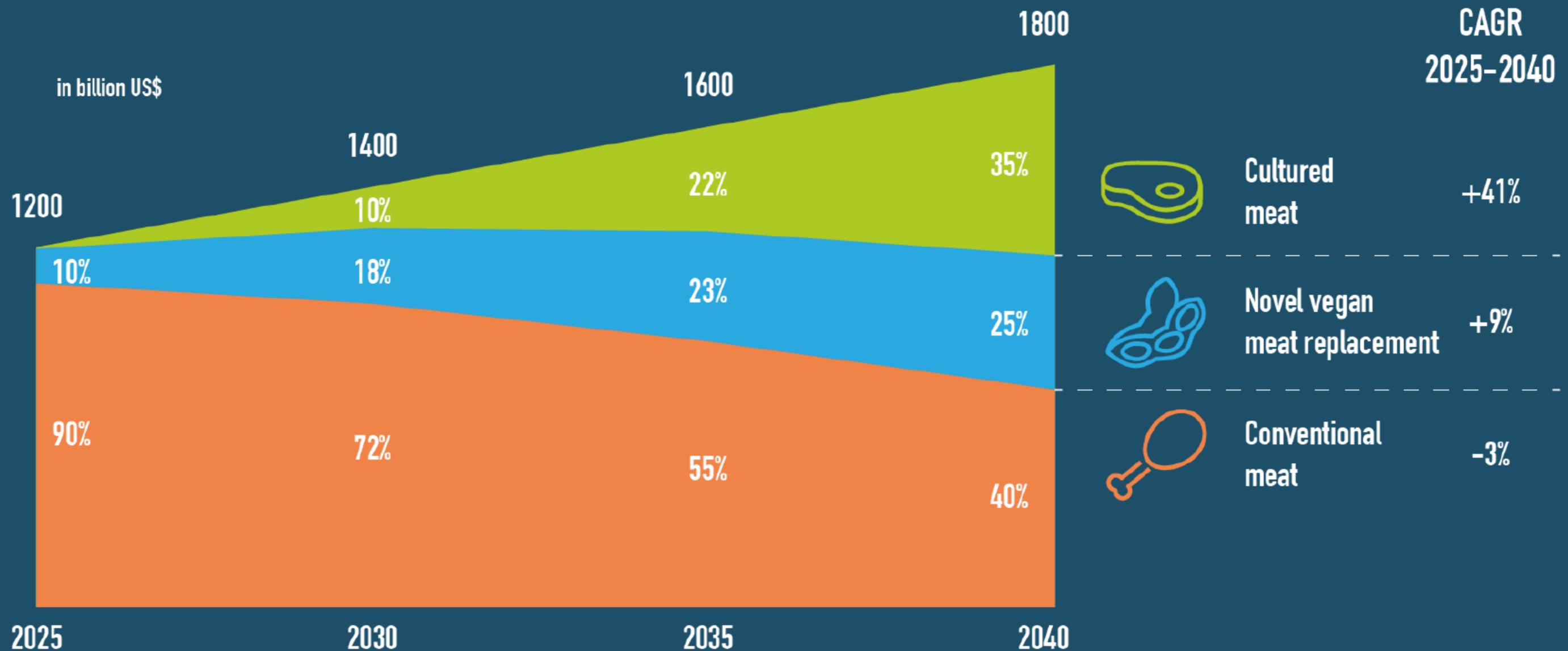
Start pricing carbon emissions at \$40 per ton.

If implemented in 2021 and increased by 5% yearly, the plan would cut American carbon emissions in half by the year 2035.

According to the Climate Leadership Council a family of four will receive approximately \$2,000 in carbon dividend payments in the first year

What would a 'Meat Tax' achieve?

GLOBAL MEAT CONSUMPTION



The externalities and the (un)intended consequences of exponential technological change will equal those of the fossil fuel economy and the Climate Emergency



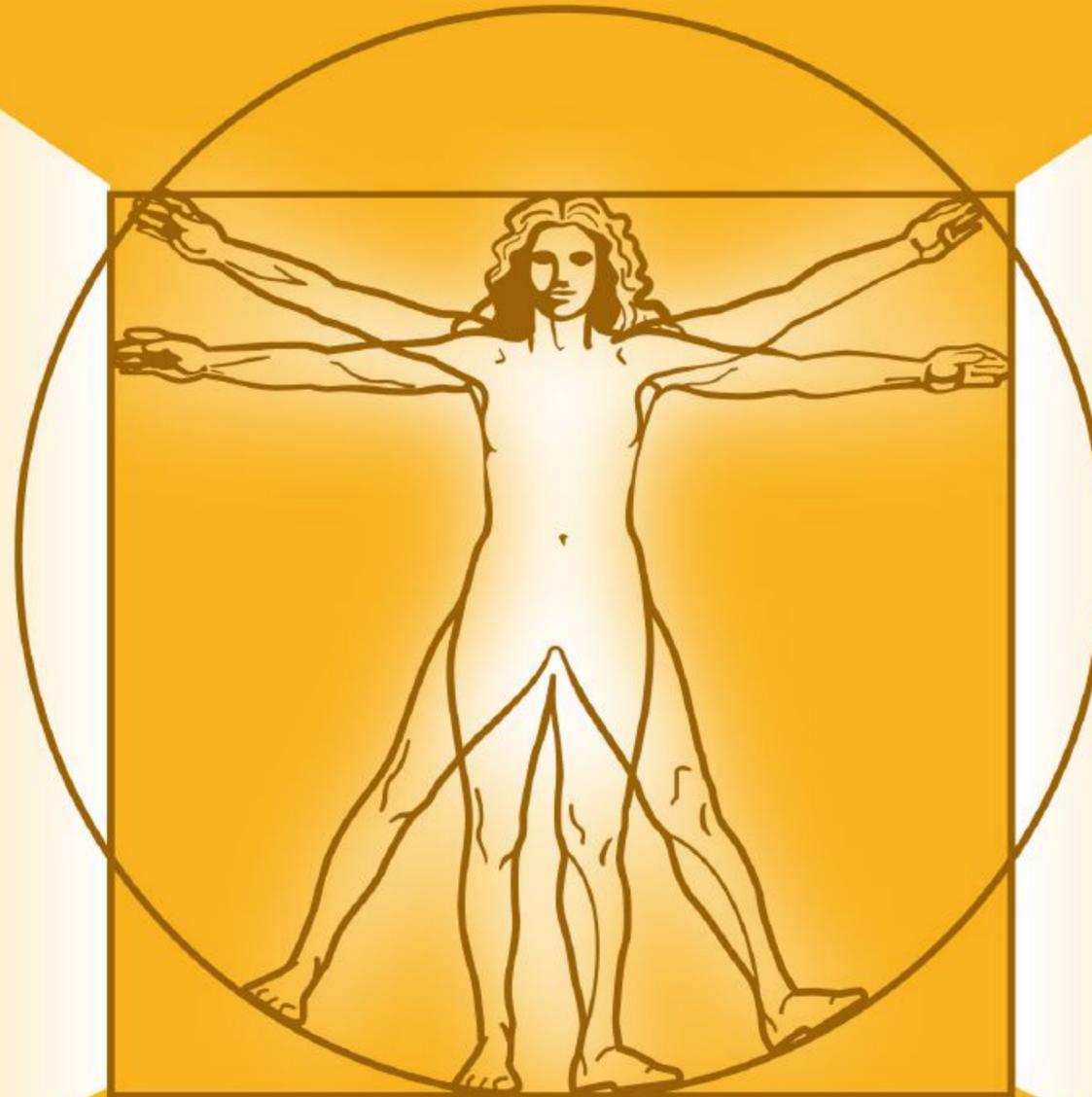
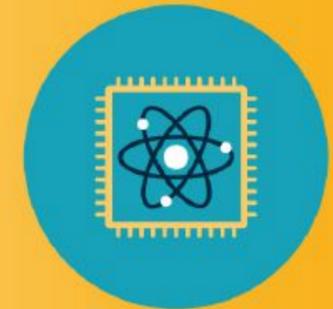
The externalities and the (un)intended consequences of exponential technological change will equal those of the fossil fuel economy and the Climate Emergency



'Too much of a good thing' can be a very bad thing: #digitalethics

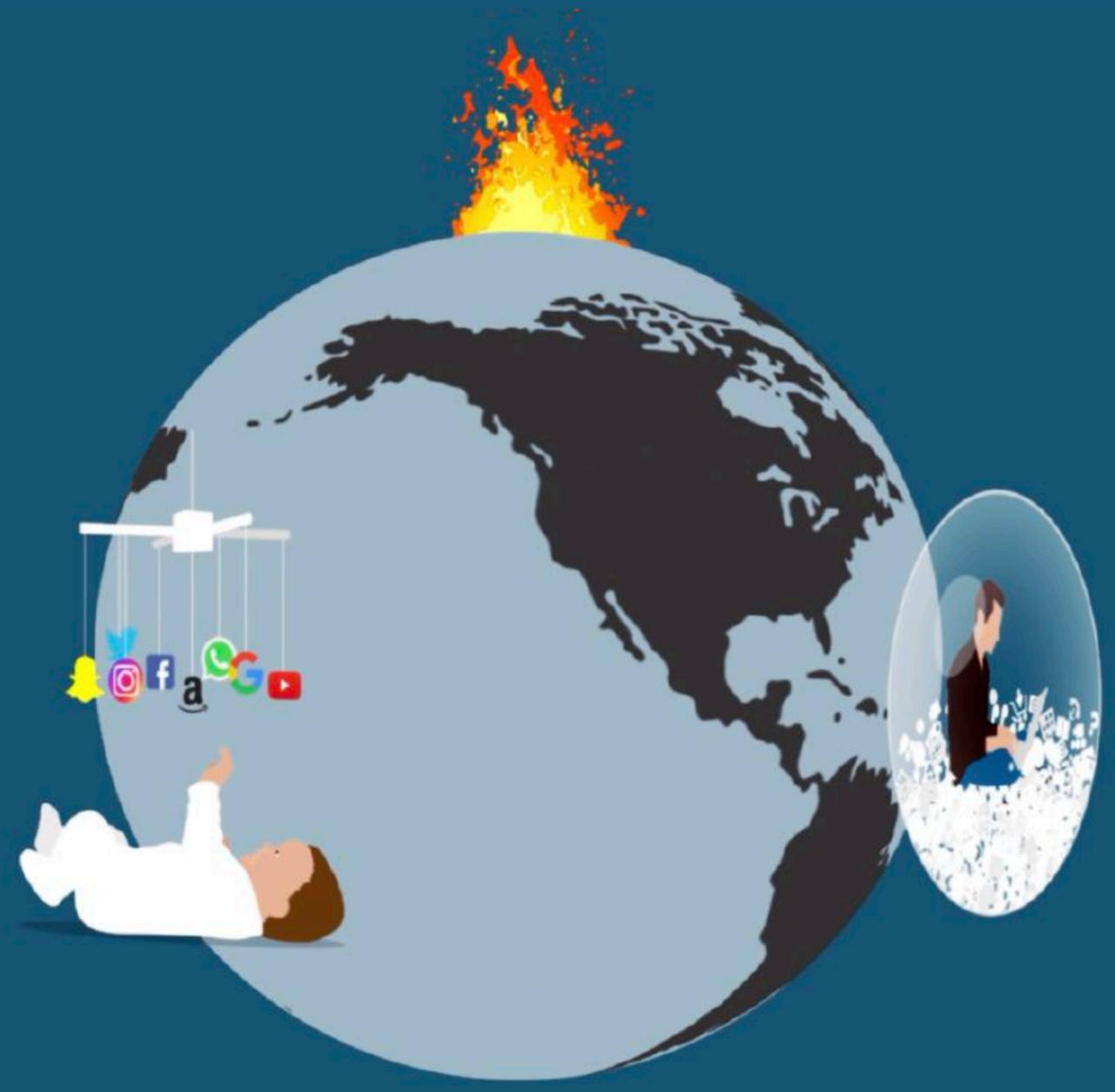


A new Renaissance is imminent!



? ECONOMIC MODEL ?

? RESPONSIBLE INVESTING ?

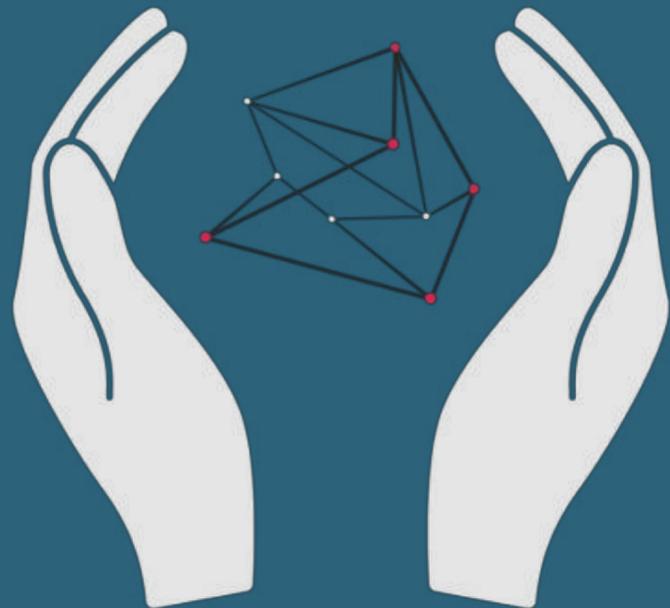


A new stock market based on the 4 bottom-lines? A #suscap NASDAQ ?



Sustainability is now a FIDUCIARY ISSUE; Al Gore started this theme in 2012!

“Sustainable Capitalism seeks to maximise long-term economic value creation. It explicitly integrates environmental, social, and governance (ESG) factors into strategy, the measurement of outputs and the assessment of both risks and opportunities. Sustainable Capitalism encourages us to generate financial returns in a long-term and responsible manner, and calls for internalising negative externalities through appropriate pricing”



HOLISTIC



CIRCULAR



HUMAN

A new Renaissance... of investing



Investing in the root causes of climate change will be viewed as a criminal act

Technology investing: #toomuchofagoodthing becomes a major concern

Realization: The 'free markets' will NOT take care of the 2 crucial challenges

How can we make 'Sustainable Capitalism' and

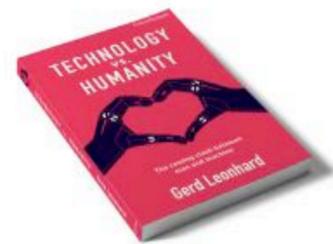
'People Planet Purpose Prosperity' a REALITY?



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THANKS!!



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