

# RATHBONES CHARITIES CONFERENCE

20 MARCH 2025

#### **AGENDA**

- Welcome
- Finance function for the future.
   Presented by Sharon Monteith, RSM UK.
- Investing for the next decade.
   Presented by Adam Hoyes and Olivia Marlow, Rathbones.
- Break
- Adapting to digital change: building resilient charities for the future.
   Presented by Jonathan Waddingham, Lightful.
- Redefining wealth: do we need a fresh approach to understanding wealth generation?
   Presented by Max Richardson, Rathbones.
- Close
- Networking



# RATHBONES CHARITIES CONFERENCE



## Introduction and agenda



#### **Sharon Monteith**

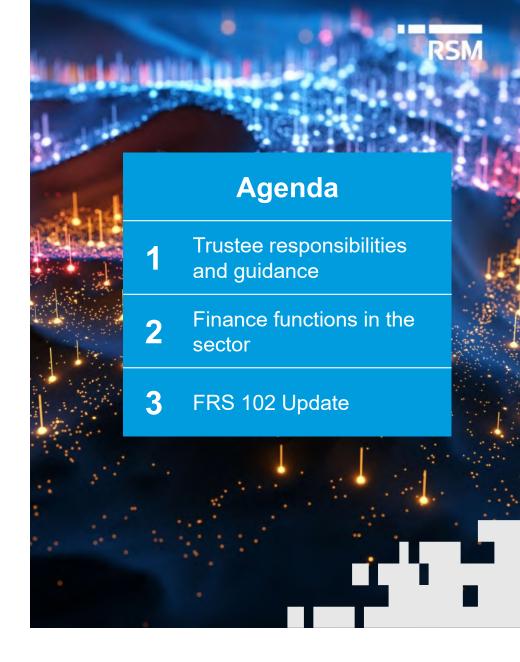
Accounting and Financial Reporting Director <a href="mailto:sharon.monteith@rsmuk.com">sharon.monteith@rsmuk.com</a>

#### **About Sharon**

- Worked in the sector over 20 years
- Specialist in charity, housing, care & education sectors
- Experience as a Trustee/Chair of Finance and Audit Committee



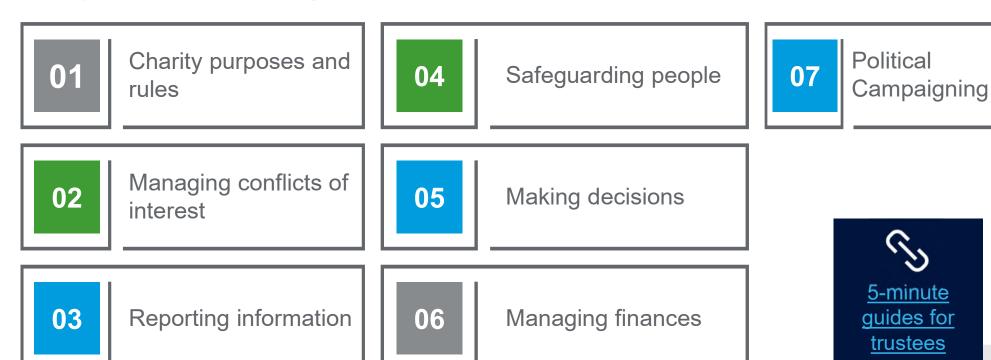
Read our Charity trustee insights here





# 1 Trustee responsibilities

Charity Commission 5-minute guides:



Charity financial insights | 6



# Managing finances

#### Deal with financial problems quickly

Expert advice when needed Reporting to the Charity Commission

#### **Expense and payments to Trustees**

Written policy in place

#### Keep accurate financial records

Records of amounts received and spent Records of assets and liabilities Ensure accounting for funds is up to date

#### Protecting your charities money

Spend on what is allowed Manage identified risks

#### Know your charity's financial position

Set a budget and follow it Raise the funds needed Reserves policy

# CC8 – Internal Financial Controls for Charities

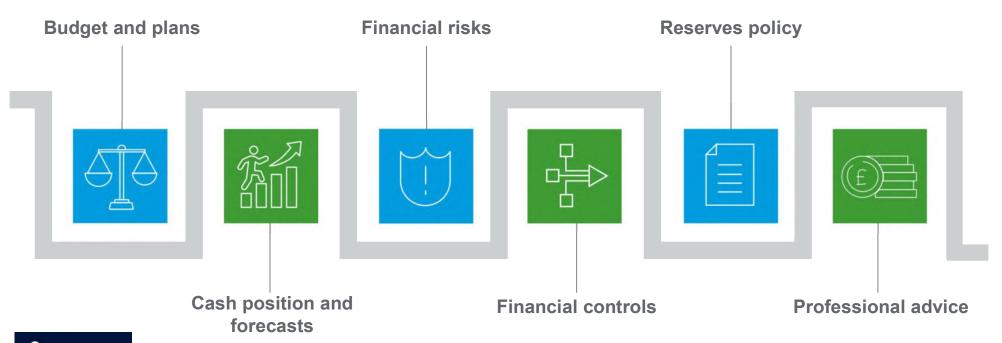






# CC12 – Improving your charity's finances

What to do if your charity is in financial difficulty





# Finance functions in the sector



On average **35%** of time in not for profit finance functions is spent on 'low value' activity





68% of charities struggling to progress digitally due to finances, headspace and capacity.



Nearly **50%** of non profits not in the cloud are looking to move to it within the next 2 years.

Read our Charity trustee insights here



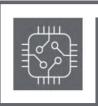
## Common issues and findings



Should be prioritising time in areas that add the most value to the organisation



Significant time spent on transactional processing



Over reliance on older technology and manual intervention



charities are at the earliest stage with digital



of charities are poor at resourcing digital effectively



of charities have a board with good or excellent digital skills



The Charity Digital Skills Report - Charity Digital Skills Report



## Digital - top tips to consider



Are the financial processes and controls currently in place fit for purpose?

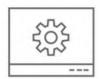


Has training and support for any new systems been considered?



Moving to a more digital system comes with several benefits:

- Integrated reserve accounting
- Digital links to other key systems
- Use of AI to streamline transactional processing
- Inbuilt financial controls
- Better audit trail



Effective digital solutions come at a price, and charities often make do with existing systems this may be a false economy.



## Questions to ask

#### Accounting system

- Is it charity specific?
- Is it cloud based?
- Is the system well supported via a dedicated helpdesk?
- How old is the system?
- Do the staff know how to get the most out of the system?
- Are lots of activities done off system e.g. via spreadsheets?

#### Reporting

- Are reports generated easily by the system?
- Is there a long timeline for monthly reporting?
- Are key financial KPIs monitored within the system?
- Is the budget/forecast integrated into the system?

#### Financial controls

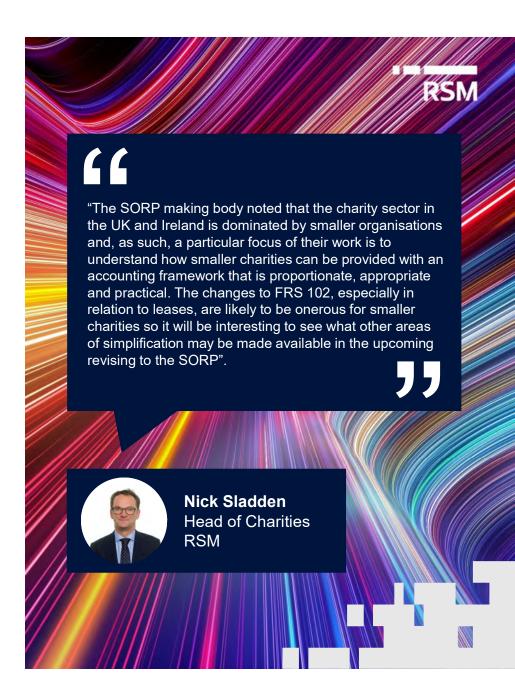
- Is a purchase ordering system used?
- Are expenses processed manually?
- Are relevant authority levels included within the system?
- Have the access levels been set appropriately?
- Is transactional evidence retained within the systems?
- Does journal processing have appropriate authorisation in place?

#### **Automation**

- Is a live bank feed used?
- Do other systems feed into the finance system well?
- Have recurring month end journals been set up?
- Does the system use 'machine learning'?
- Is optimal character recognition ('OCR') technology being used?

# 3 FRS 102 updates

- FRS 102 now updated and a draft Charities SORP due to be published March 2025
- New SORP will be subject to a 3-month consultation period
- Expecting new SORP to be published by Autumn 2025
- New SORP (and FRS 102) effective for periods commencing on or after 1 January 2026.





## Headline changes – all entities

### Revenue recognition

- New model based on IFRS 15 5 step model, with simplifications
- Extent of impact will depend on form of customer contracts

### Lease accounting

- New model for lease accounting based in IFRS 16 on balance sheet model
- Many organisations with operating leases will be impacted



## Headline changes – charities

#### Leases

- Leases containing a non-exchange transaction
- Addition of right-of-use assets will increase total assets of a charity

### Heritage assets

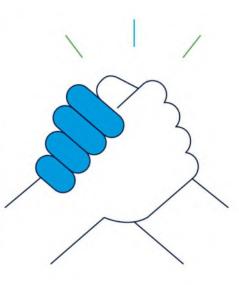
Clarity over what constitutes a heritage asset

## **Incoming resources - Non** exchange transactions

- Examples of resources that should be capable of reliable measurement vs are impractical to measure
- Low value goods, volunteer time

### **Legacy Income**

 Amendments in FRS 102 indicate that Charities SORP will be the guide





## Preparing for change

#### **Broader implications**

Assurance requirements **KPIs** Covenant compliance

#### **Processes and controls**

Do policies need to be updated? Are manuals in line with new requirements? Update/modify accounting systems



Do you understand your revenue contracts? Do you have all of your lease paperwork? Have you reviewed contracts that may contain a lease?

#### Plan your project

Assign responsibilities Set clear deadlines Train the team

#### Impact assessment

What is likely to impact you? Quantify potential changes



# Questions?



## THE POWER OF BEING UNDERSTOOD AUDIT | TAX | CONSULTING



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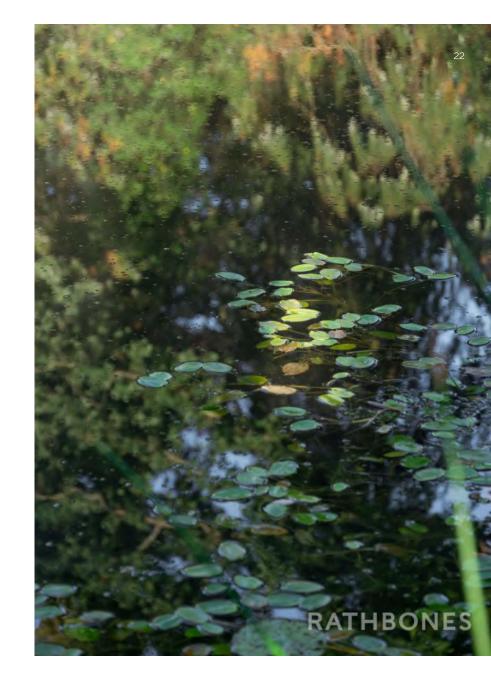
# RATHBONES CHARITIES CONFERENCE



## **AGENDA**

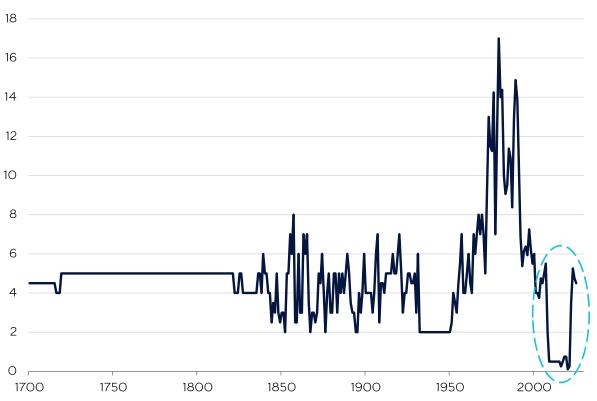
Macro: no return to the 2010s	3
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Equities for the long run, but US dominance to weaken	14
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# THE 2010S WERE A DECADE OF RECORD LOW INTEREST RATES AND HISTORICALLY STABLE INFLATION

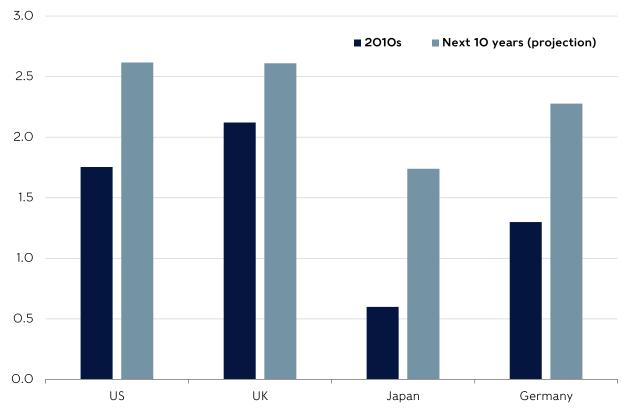
#### **UK** interest rates (%)



Sources: BoE Millennium Database (2025), LSEG (2025), Rathbones

## WE EXPECT INFLATION TO BE HIGHER THAN IN THE 2010S

#### Inflation projections and 2010s averages (%)

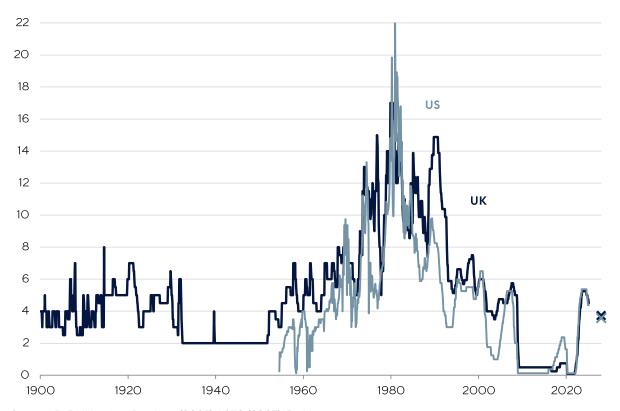


Sources: LSEG (2025), Rathbones

Inflation projections are subject to uncertainties and may not accurately predict future economic conditions.

## THAT SUGGESTS INTEREST RATES WILL BE HIGHER TOO

#### UK & US interest rates & projections (%)



Sources: BoE Millennium Database (2025), LSEG (2025), Rathbones

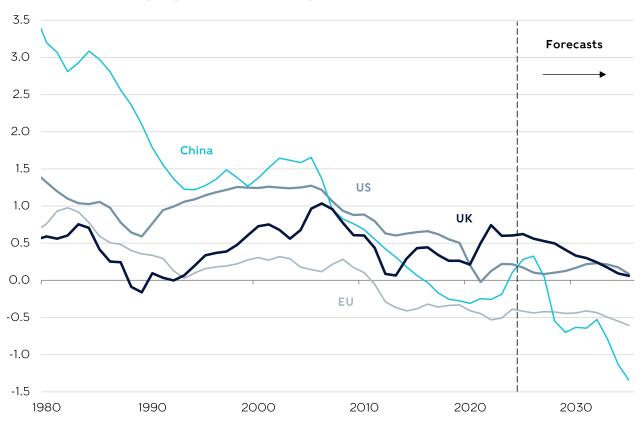
Interest rate forecasts are not guaranteed and may not accurately reflect future market conditions.

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### DEMOGRAPHICS WILL BE A GROWING HEADWIND TO GROWTH

#### Annual working age population growth (%)

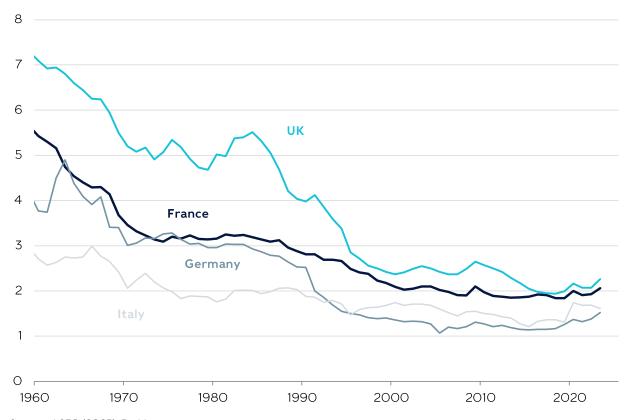


Sources: LSEG (2025), Rathbones

Forecasts are subject to various uncertainties and may not accurately predict future demographic trends.

### BUT THERE COULD BE SOME OFFSETTING FACTORS

#### European defence spending (% of GDP)



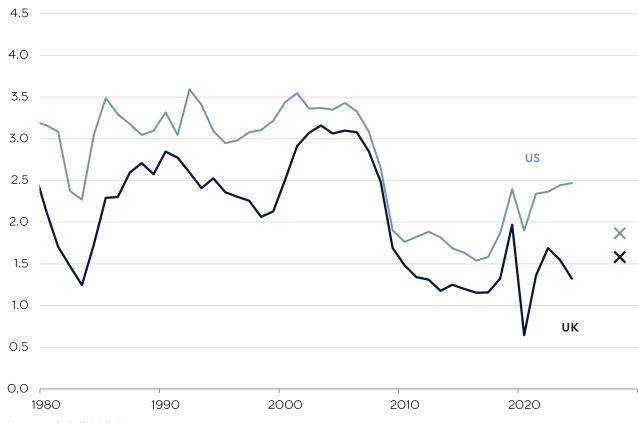
Sources: LSEG (2025), Rathbones



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## ON NET, WE EXPECT ECONOMIC GROWTH TO BE A BIT WEAKER

#### 10Y average real GDP growth & projections (%)



Sources: LSEG (2025), Rathbones

Past performance is not a reliable indicator of future performance. Forecasts are not a reliable indicator of future performance.



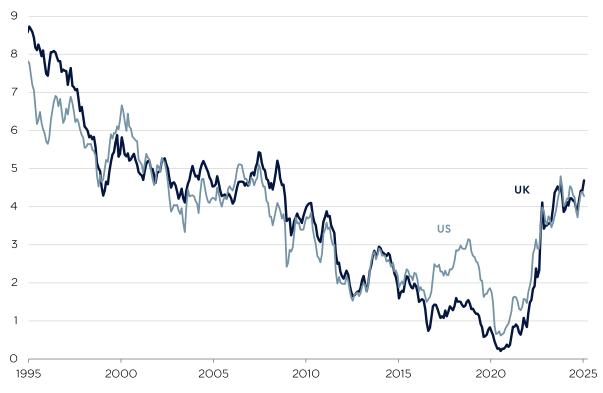
### NO RETURN TO THE 2010S

- Inflation is likely to be higher and more volatile in the 2020s than during the 2010s.
- But we aren't expecting a return to the 1970s.
   There are key structural differences in the economy today.
- Interest rates will also be higher and more volatile as central banks work harder to keep inflation at target.
- Economic growth will probably be similar to the 2010s. Demographics will be a drag, but there are also reasons elsewhere be more positive.



# HIGHER YIELDS ARE PROVIDING A MORE ATTRACTIVE ENTRY POINT FOR MOST FIXED INCOME ASSETS

#### 10-year government bond yields (%)

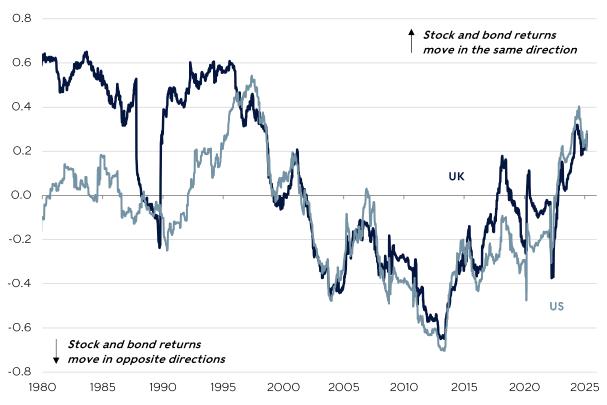


Sources: LSEG (2025), Rathbones

The value of investments can go down as well as up and you could get back less than you invested. Past performance is not a reliable indicator of future performance.

# THE CORRELATION BETWEEN STOCKS AND BONDS HAS TURNED POSITIVE AGAIN

#### 2-year rolling correlations between equities and bonds

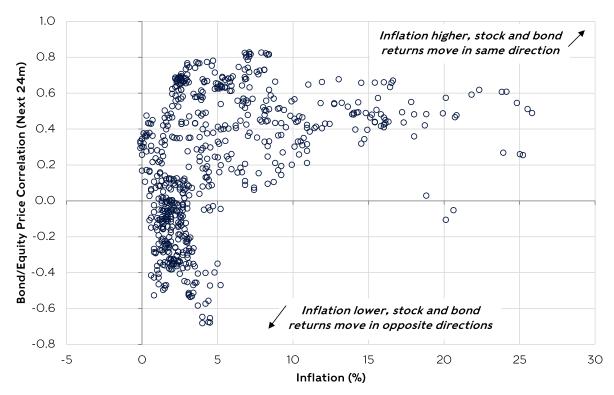


Sources: LSEG (2025), Rathbones

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# HIGHER INFLATION COULD MEAN THE CORRELATION IS LESS RELIABLY NEGATIVE IN THE FUTURE

UK inflation and subsequent correlation between equities and bonds (1969 - present)



Sources: LSEG (2025), Rathbones

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### SEA CHANGE IN FIXED INCOME

- The end of ultra-loose monetary policy has brought about the end of the ultra-low yields of the 2010s.
- Structurally higher policy interest rates suggest returns from most fixed income assets will be higher over the next decade.
- However, if inflation and interest rates are more volatile, then fixed income investors will probably have to endure bigger swings in returns.
- Higher inflation also means the correlation between stocks and bonds could be less reliably negative. Other diversifying assets are likely to play an important role in portfolios for lower-risk investors.



# EQUITIES HAVE A SOLID TRACK RECORD OF PROVIDING ABOVE-INFLATION RETURNS OVER LONGER HORIZONS

#### 10-year annualised real returns from US equities (%, USD)



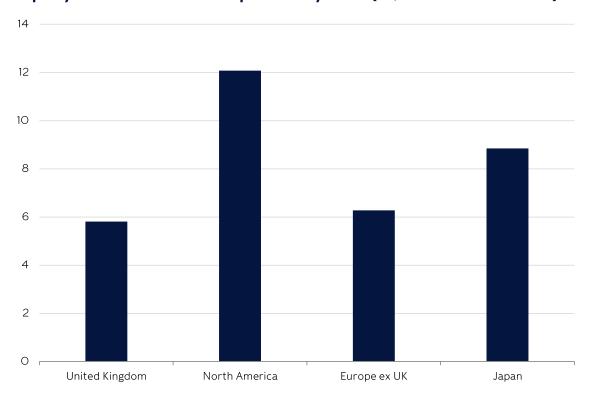
Sources: Robert J. Shiller (2025), Rathbones

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### THE US EQUITY MARKET HAS DOMINATED OVER THE PAST DECADE

#### Equity returns over the past 10 years (%, local currencies)

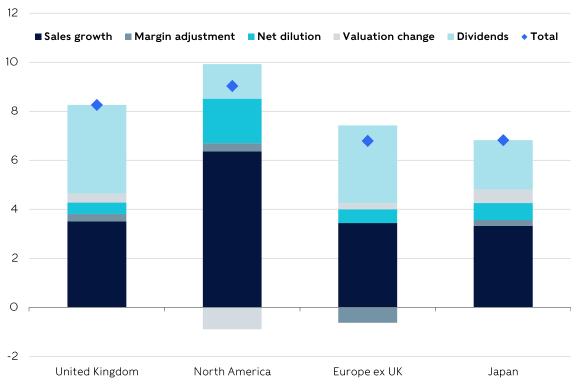


Sources: LSEG (2025), Rathbones

The value of investments can go down as well as up and you could get back less than you invested. Past performance is not a reliable indicator of future performance.

# WE EXPECT SUPERIOR ECONOMIC GROWTH TO CONTINUE TO BOOST SALES FOR US FIRMS...

#### Breakdown of our equity returns projections (%, local currencies)



Sources: LSEG (2025), Rathbones

The value of investments can go down as well as up and you could get back less than you invested. Projections are not guaranteed and may not accurately predict future economic conditions.

### ...BUT HIGH VALUATIONS IN THE US COULD BE A DRAG ON RETURNS

### 12-month forward price/earnings ratios & projections



Sources: LSEG (2025), Rathbones

The value of investments can go down as well as up and you could get back less than you invested. Past performance is not a reliable indicator of future performance. Forecasts are not a reliable indicator of future performance. Changes in rates of exchange between currencies may cause the value of investments to decrease or increase.



# AS COULD THE EXCHANGE RATE FOR STERLING INVESTORS – THE US DOLLAR AROUND ITS STRONGEST SINCE THE MID-1980S

US dollar real effective exchange rate (2015 = 100)



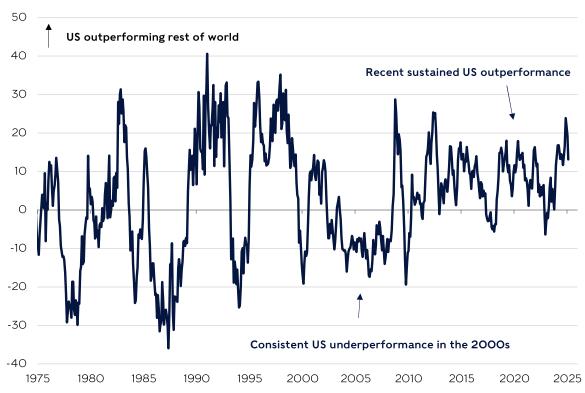
Sources: LSEG (2025), Rathbones

Past performance is not a reliable indicator of future performance.



### US OUTPERFORMANCE IS A RECENT PHENOMENON

### US equity performance vs rest of world (1-year rolling, %)



Sources: LSEG (2025), Rathbones

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### EQUITIES FOR THE LONG RUN, BUT US DOMINANCE TO WEAKEN

- We still believe equities are capable of delivering returns well above inflation over the long run.
- Both our bottom-up projections and evidence from history suggest this will be the case.
- The main difference in our projections relative to the past decade is less dominant performance from the US.
- We don't expect poor returns from US equities by any means, just a more typical experience after a period of exceptional returns.



### **CONCLUSIONS**

- Inflation and interest rates are likely to be higher and more volatile in the 2020s than during the 2010s, but we aren't expecting a return to the 1970s.
- Economic growth will probably be similar to the 2010s, with demographics a key headwind.
- Higher yields make fixed income more attractive over longer time horizons, but the volatility of the asset class has probably also increased.
- Equities still appear capable of delivering returns well in excess of inflation, although the US may not be as dominant.
- The correlation between bonds and equities may be less reliable. Diversifying assets will remain important for lowerrisk investors.



### **ADDITIONAL INFORMATION**

Information valid as of 12.03.2025 unless otherwise stated.

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### ACCOUNTING FOR CLIMATE IN OUR CAPITAL MARKET ASSUMPTIONS

### Baseline long-term macroeconomic forecasts

We start by producing potential GDP growth and inflation forecasts for 21 major economies. These forecasts are designed to abstract from the economic cycle and are based on a combination of quantitative forecasting methods and qualitative judgements by our Asset Allocation Committee.



#### Climate change impact adjustments

We then apply adjustments to our baseline GDP and inflation forecasts for each economy leveraging NGFS\* Phase V modelling. We use their Net Zero 2050, Delayed Transition, and Current Policies scenarios, and our Asset Allocation Committee makes a judgement about the likelihood of each to obtain a probability-weighted set of forecasts.



#### Interest rates

Our climate-adjusted GDP and inflation forecasts are combined with demographic projections to model the future path of interest rates.



#### **Equity returns**

We project returns for each sector in each major developed market and aggregate to index level. EM forecasts are calculated at the index level. There are five building blocks to obtain our return projections:

Sales growth – we use our climate-adjusted GDP and inflation projections, weighted by origin of revenue, plus historical average sales growth.

#### Change in margins

Net dilution

#### Dividend yield

Valuation adjustment – we combine reversion to level implied by the long-run relationship with bond yields, Shiller's CAPE, and bottom-up fundamental analysis. We then incorporate a boost/penalty proportional to MSCI's Implied Temperature Rise score, assuming divestment from more polluting businesses.



#### **Bond returns**

We use our interest rate forecasts and assumptions about the shape of the yield curve to project developed market government bond returns at different maturities. For corporate bonds and EM debt, we make further assumptions about credit spreads and adjust for default and recovery rates.

Source: Rathbones

\* NGFS is the Network of Central Banks and Supervisors for Greening the Financial System. It is a group of central banks and supervisors for the financial sector that was founded in 2017 to manage risks and to mobilise mainstream finance in the context of environmentally sustainable development. The group currently has 142 members, including the Bank of England, the European Central Bank, and until January 2025, the US Federal Reserve.



### **ACCOUNTING FOR CLIMATE IN OUR ECONOMIC PROJECTIONS**

### Climate adjustments to GDP projections (pp)



### Climate adjustments to inflation projections (pp)



Source: Rathbones

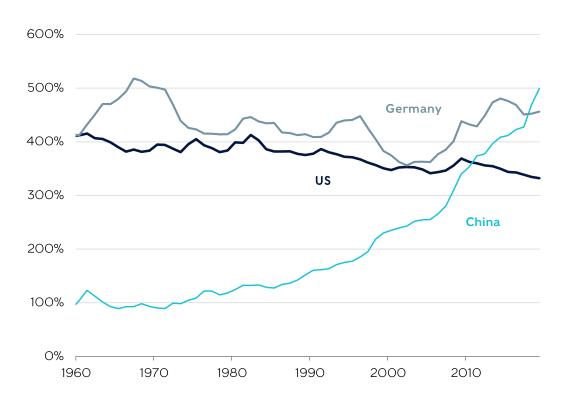
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# CHINA FACES STRONG DEMOGRAPHIC HEADWINDS, WHILE ITS INVESTMENT-LED GROWTH MODEL IS REACHING ITS LIMITS

### Annual working-age population growth (%)

### 3.5 **Forecasts** 3.0 2.5 2.0 China 1.5 US 1.0 0.5 0.0 EU -0.5 -1.0 -1.5 1980 1990 2000 2010 2020 2030

### Capital stock (% of GDP)

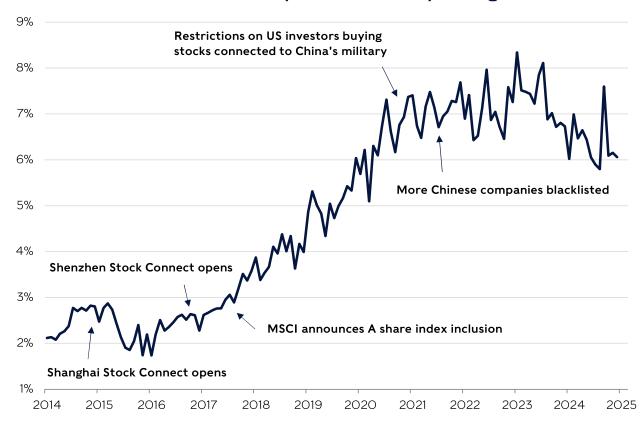


Sources: LSEG (2025), Rathbones

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# GEOPOLITICS MAKE FOR A TOUGHER INVESTMENT ENVIRONMENT IN CHINA, REGARDLESS OF ECONOMICS

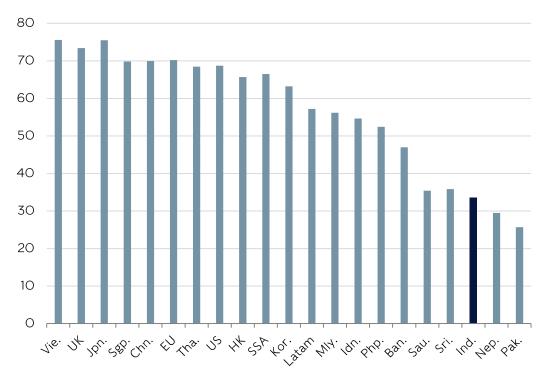
### Share of mainland Chinese equities owned by foreign investors



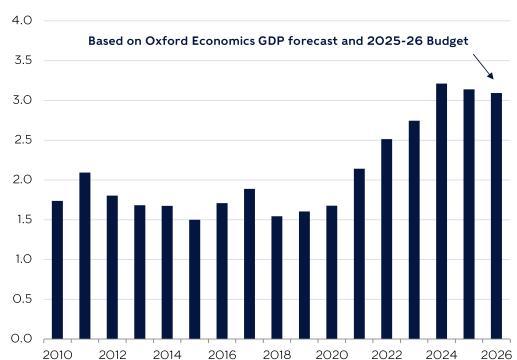
Sources: LSEG (2025), Rathbones

# INDIA HAS MORE FAVOURABLE DEMOGRAPHICS AND IS REMEDYING HISTORIC UNDERINVESTMENT

### Female labour force participation (%)



### Indian government capital expenditure (% of GDP)



Sources: LSEG (2025), Rathbones

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# HOWEVER, A LOT OF GOOD NEWS IS ALREADY PRICED INTO THE STOCK MARKET – IT TRADES AT A BIG PREMIUM TO THOSE ELSEWHERE

### 12-month forward price/earnings ratios adjusted for sector composition



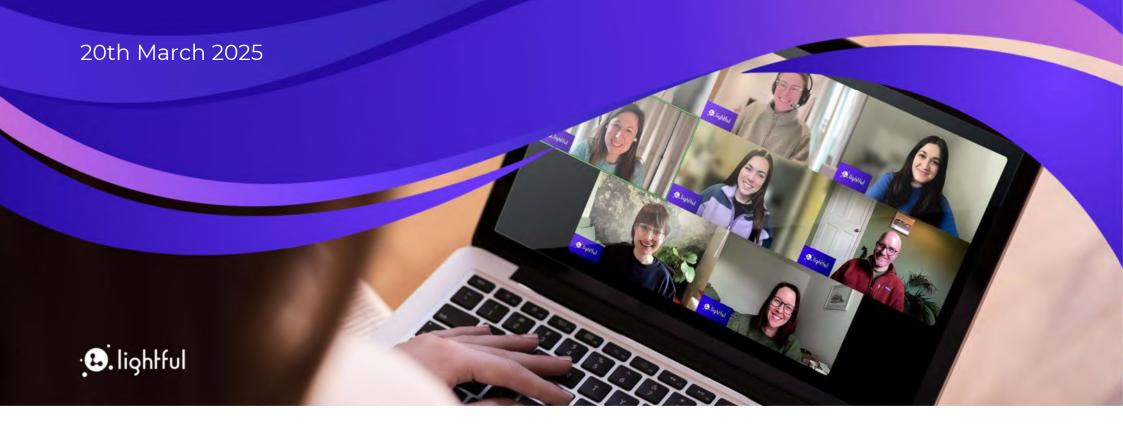
Sources: LSEG (2025), Rathbones

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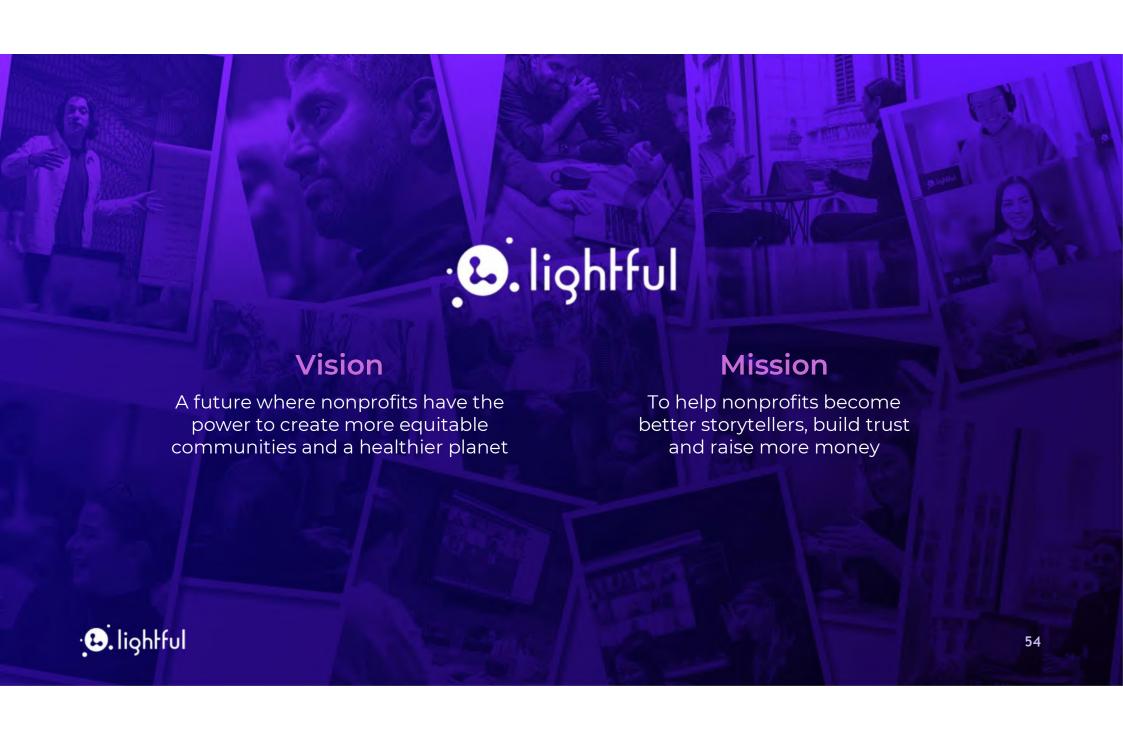
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# The charity sector is under-resourced and left behind by technology











### Please take the survey!

# **Charity Digital Skills Report 2025**

Have your say - take the survey now

















www.surveymonkey.com/r/CDSR2025



### What does Digital Resilience actually mean?



### **Skills**

Equipping charities with digital skills

Applying those skills in their roles



### **Support**

Helping them use digital tools effectively

Not just one-and-done approach, but ongoing investment



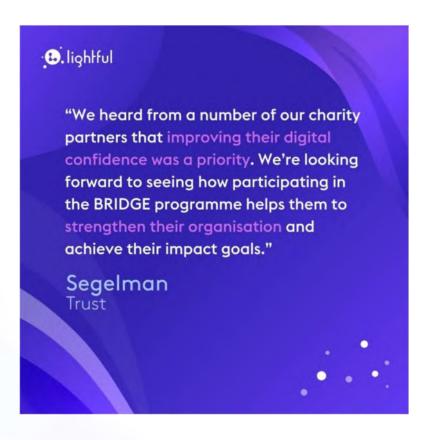
### Adaptable

Ensuring they can navigate AI & emerging tech responsibly

Withstand turbulence - economic and health-related

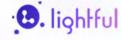


### With the right support, small organisations can thrive



We tend to work with...

- Small charities <£5m (<£1m) income
- Willingness to run a campaign
- Motivation to build digital skills
- Basic digital presence





### The BRIDGE programme: Learning by doing, in community

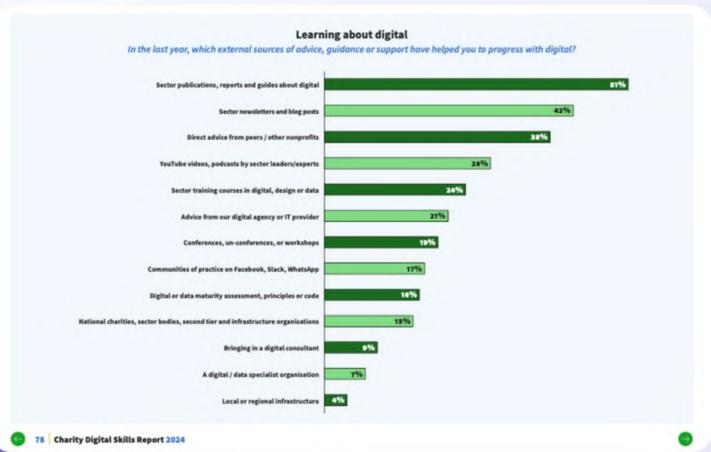
- 3,500+ organizations
- 120+ countries
- 50+ funding partners



### **How BRIDGE** is structured



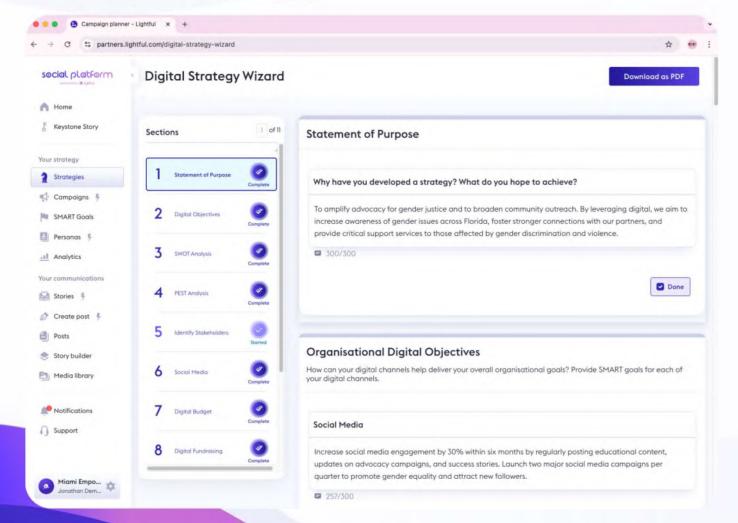
### How do charities learn about digital?



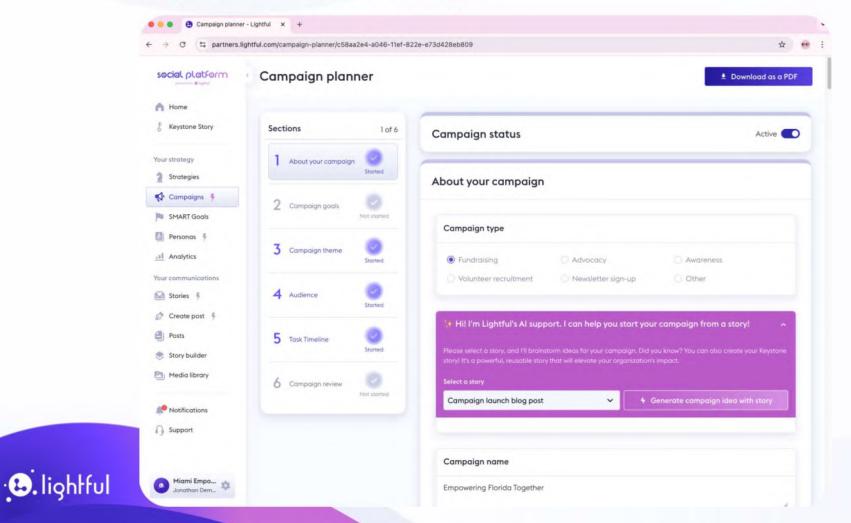


# Digital strategy wizard 🙍

. lightful



# Campaign planner plus AI 🐈



# Ethical storytelling plus Al 🐈

social platform

A Home Keystone Story

Your strategy

MART Goals

Personas 5

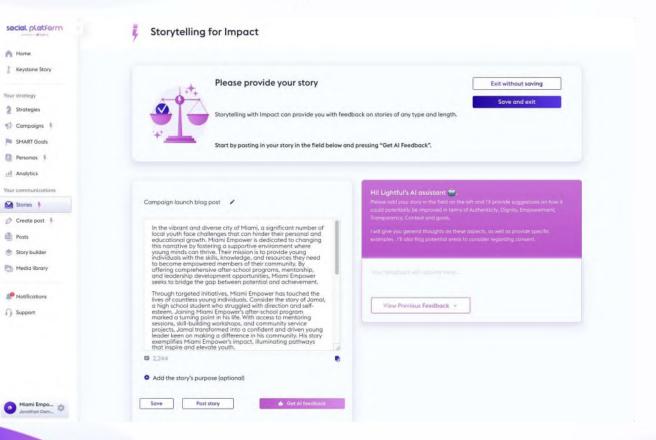
Your communications

Stories # Create post §

Notifications

Support

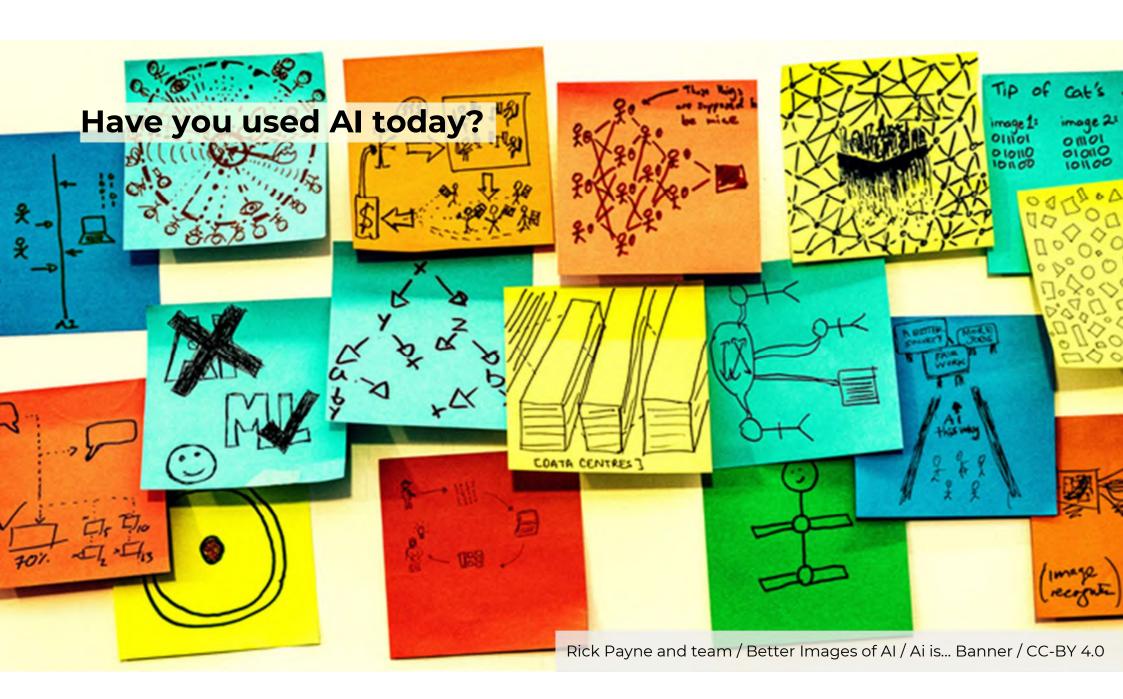
Posts Story builder Media library

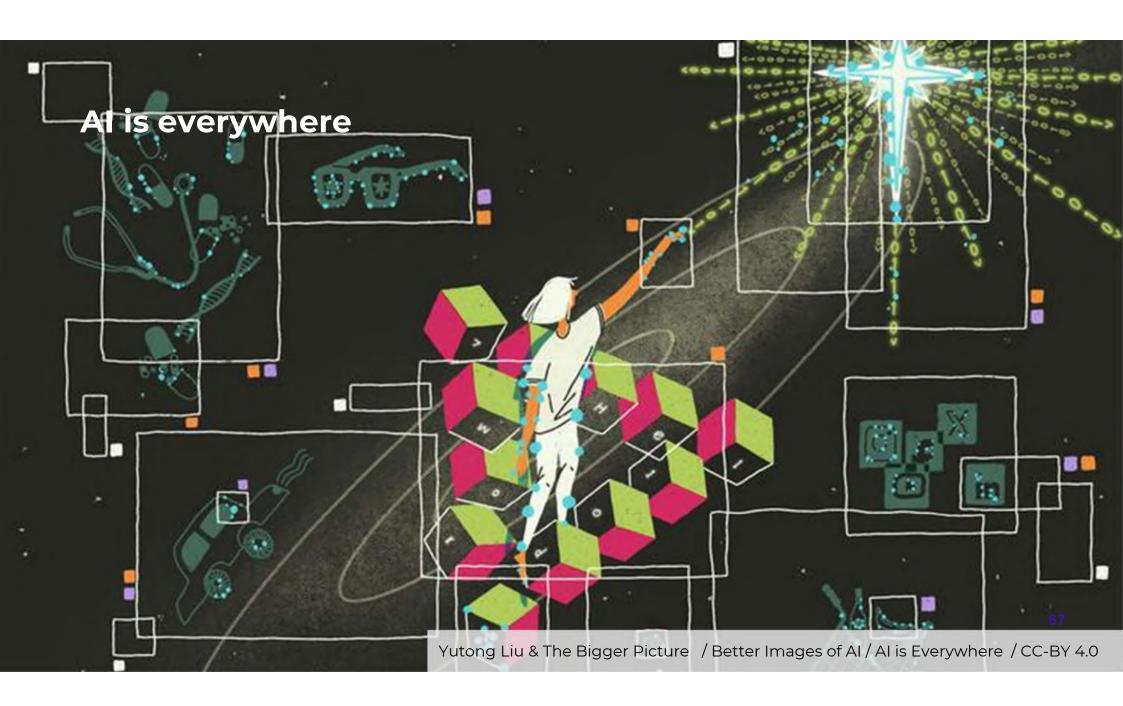




# Let's talk about Al...







### What should we do?



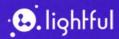
Yasmin Dwiputri & Data Hazards Project / Better Images of AI / Safety Precautions / CC-BY 4.0

# Create guidelines or principles

#### Our 10 principles of AI

Our work starts with communities so we want to use AI as a tool to help catalyse the knowledge, expertise and commitment of people, both within our organisation and within the communities we work to support:

- Ensure AI works for people. Enable our people to do the work that is uniquely human and which they excel at, and design AI to emphasise these strengths.
- Always have a human in the loop to ensure that our Al tools operate safely, securely and appropriately for their intended purpose.
- Ensure that people have all the information they need and that we remain accountable for all the work we do when we use AI.
- Share our learning, both successes and failures, from the responsibly delivered small and safe experiments we run.
- Ensure that our use of AI technologies is inclusive, avoids discrimination and harm, and wherever possible leads to equitable outcomes.
- Benefit our staff and customers through the delivery of more efficient and effective processes.
- Monitor use of Al and its impact knowing when it benefits people and communities and knowing when not to use it.
- Understand the interconnection between communities and the environment and so only use AI when it is meaningful, targeted and supports positive change.
- Demonstrate transparency in the way we utilise AI, internally and externally. Ensure we retain the knowledge of what and how we have developed AI so we can adapt it as we go and wherever possible share the technology.
- Protect the privacy of all our stakeholders, staff and customers. We will always apply privacy and security by design to safeguard personal, proprietary and confidential data.



www.tnlcommunityfund.org.uk/ media/documents/AIprinciples.pdf



### **AI** principles

As artificial intelligence (AI) becomes more prevalent globally, it prompts important questions about the role it should play in people's lives and how it is used responsibly and ethically. To address these questions we at The National Lottery Community Fund have defined our own set of AI principles to demonstrate our commitment to using AI to benefit people and communities.

The rise of AI has the potential for a profound impact on the way we work. We hope that adopting, developing and deploying AI will help us make the best of the talents of our people and the communities we work with. We have brought together people from across our organisation and, with the support of external experts, developed these principles which are deeply embedded in our organisational values. We hope that they will also support others in the voluntary and community sector to understand their own journey with AI.

#### Our 10 principles of AI

Our work starts with communities so we want to use AI as a tool to help catalyse the knowledge, expertise and commitment of people, both within our organisation and within the communities we work to support:

- Ensure AI works for people. Enable our people to do the work that is uniquely human and which they excel at, and design AI to emphasise these strengths.
- Always have a human in the loop to ensure that our AI tools operate safely, securely and appropriately for their intended purpose.
- Ensure that people have all the information they need and that we remain accountable for all the work we do when we use AI.
- Share our learning, both successes and failures, from the responsibly delivered small and safe experiments we run.
- Ensure that our use of AI technologies is inclusive, avoids discrimination and harm, and wherever possible leads to equitable outcomes.
- Benefit our staff and customers through the delivery of more efficient and effective processes.
- Monitor use of Al and its impact knowing when it benefits people and communities and knowing when not to use it.
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It starts with community The National Lottery Community Fund - Al Principles final version 1

# Ask two questions

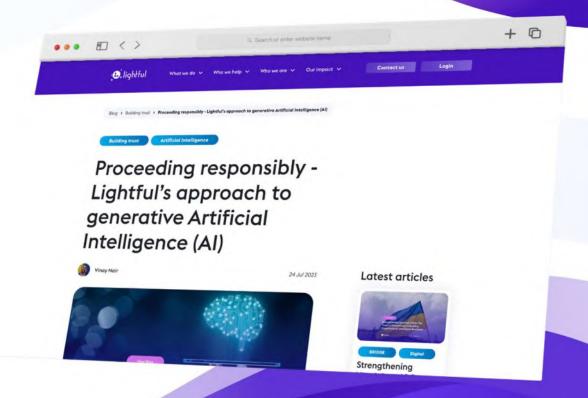
What are you already using Al for?





### **Lightful's AI principles**

- Building responsibly
- 🕠 Building equity
- Building trust





# Al policy template





### **Purpose**

How will Al help us achieve our mission?

For example, consider why AI is being adopted in your organisation? How will it help you to achieve your mission and serve your community?

#### Ethical use

How will we ensure Al is fair and doesn't cause harm?

Consider how you will use Al tools to promote social justice, fairness, and non-discrimination...

How do we avoid bias in Al?

What measures will you put in place to address any bias? How will you take an inclusive approach?



# Anyway, back to us humans



# Does any of this work?



### **Outcomes and impact**



of respondents feel that the BRIDGE programme has had a **long lasting positive impact** on their organisation



average **increase in funds** raised by nonprofits compared to the 12 months before the BRIDGE programme



From Lightful's 2024 Building Resilience Impact Report <a href="https://lightful.com/building-resilience">https://lightful.com/building-resilience</a>

### Don't just take my word for it



# Buliisa Initiative for Rural Development Organisation (BIRUDO)

I do really appreciate the BRIDGE program for greatly impacting lives. Not just me who has been a direct beneficiary but also hundreds of people who get this information through people like me. Those who have gotten justice as a result of this program. Continue impacting lives, as a lot still needs to be done, especially in our countries (Uganda) where I hail from.



### Long-term nonprofit resilience over ten years

























Of charities think the lessons learned from the BRIDGE programme have helped them have a positive impact on the community they serve



























### What you can do



#### If you're a trustee

- ✓ Ensure digital is on your board's agenda.
- ✓ Invest in staff training & digital confidence.
- Support ethical Al adoption in decisionmaking



#### If you're a Funder

- ✓ Ask grantees what support they need
- Invest in long-term digital capacitybuilding, not just one-off projects
- Ensure grantees have the right digital tools & governance in place



## We're running the BRIDGE Collective in June

#### **Open cohort**

 Working together across funders and causes, with specific tracks focussed on UK, Florida and Climate

#### **BRIDGE** programme

- 6 month
   programme to
   build digital
   resilience
- Responding to needs in the UK and beyond

# June to December 2025

- Meeting the moment
- Crescendo towards #GivingTuesday and end-of-year giving



## Thank you!

jonathan@lightful.com



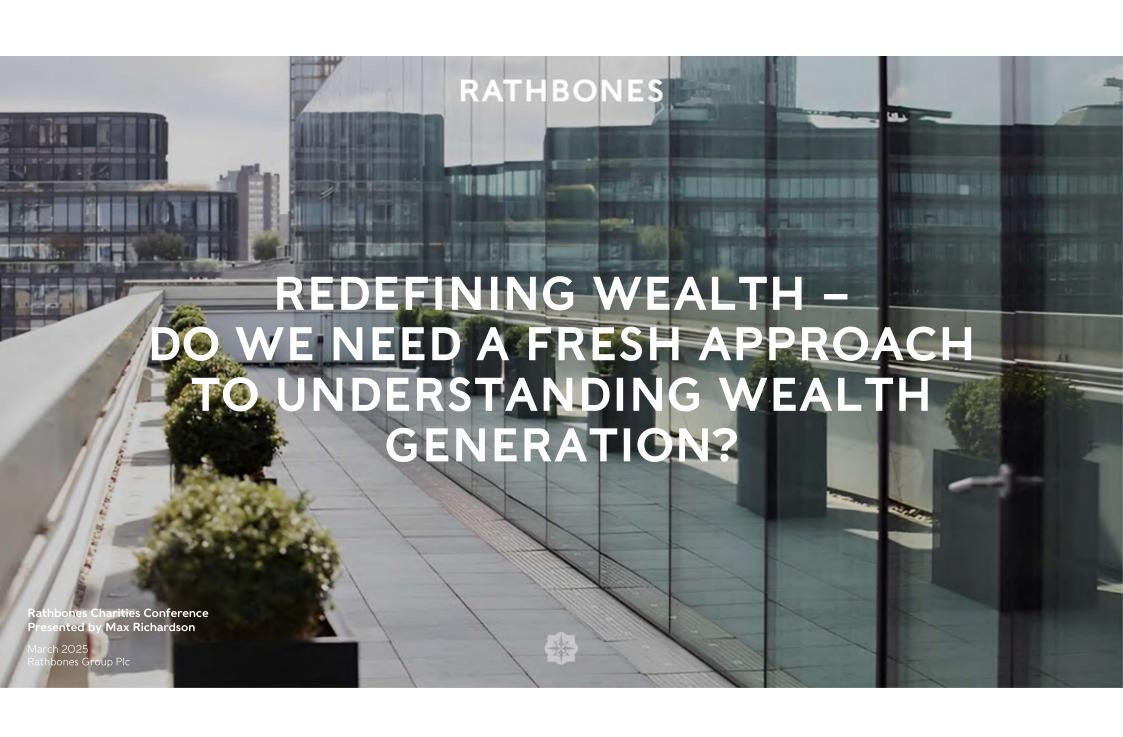








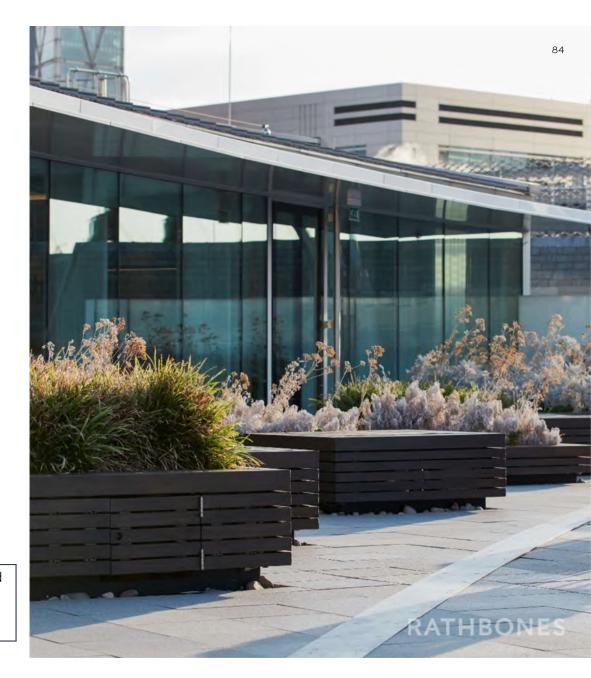
# RATHBONES CHARITIES CONFERENCE



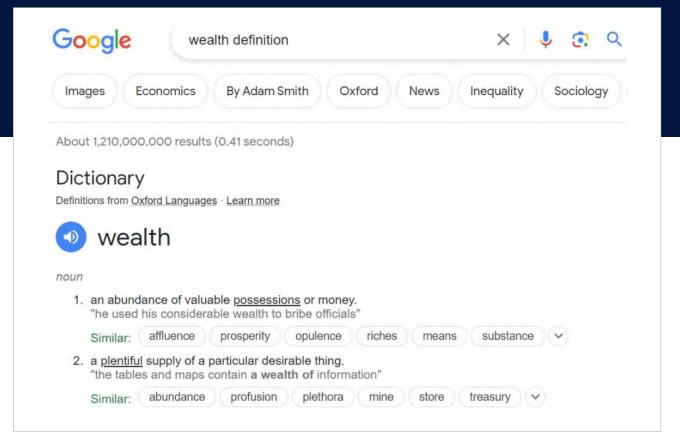
#### **AGENDA**

- What is wealth?
- The context for investors today
- Systems thinking
- Funding gaps
- Mindset shift
- Conclusion

The content contained in this document is for information purposes only and does not constitute a recommendation to purchase any product or service. You should always take appropriate advice from a professional, who has made an evaluation at the point of investing.

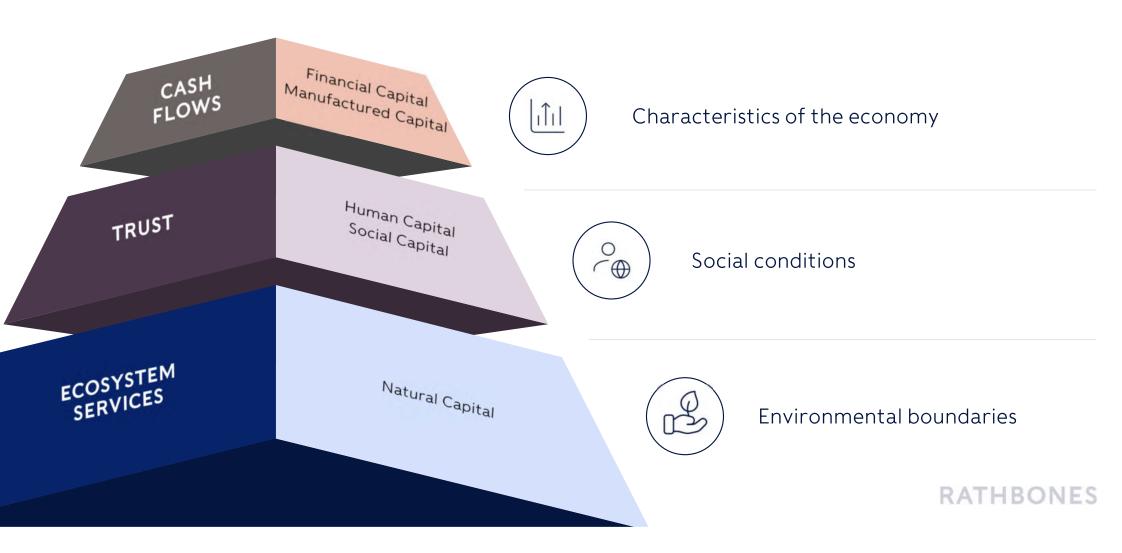


# WHAT IS WEALTH AND WHOSE BALANCE SHEET ARE WE USING ANYWAY?





# DOES PROTECTING WEALTH MEAN PROTECTING SYSTEMIC HEALTH?

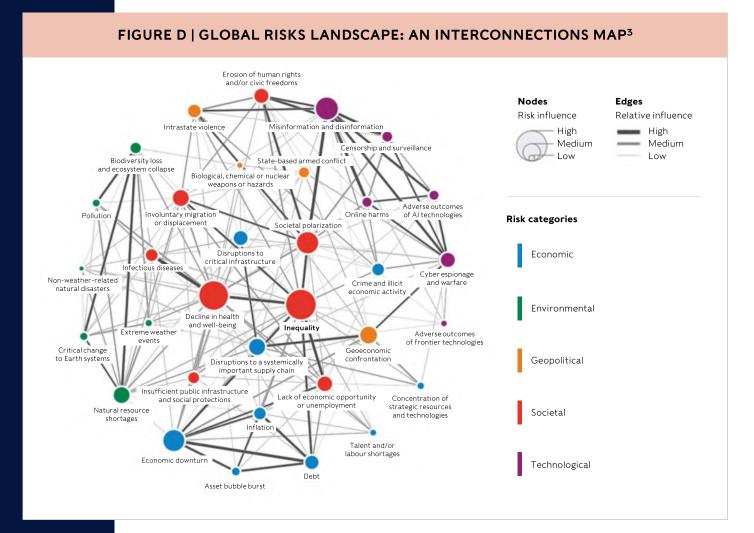


# WHAT IS INHERITANCE?



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## VIEWING RISK AS A COMPLEX SYSTEM



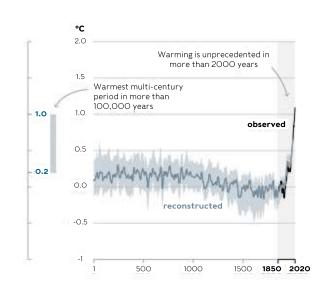
RATHBONES

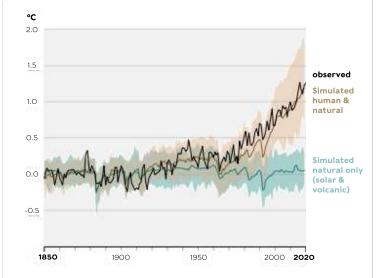
# THE RISKS LANDSCAPE IN 2025



### HOW HOT IS IT?

#### CHANGES IN GLOBAL SURFACE TEMPERATURE RELATIVE TO 1850-1900





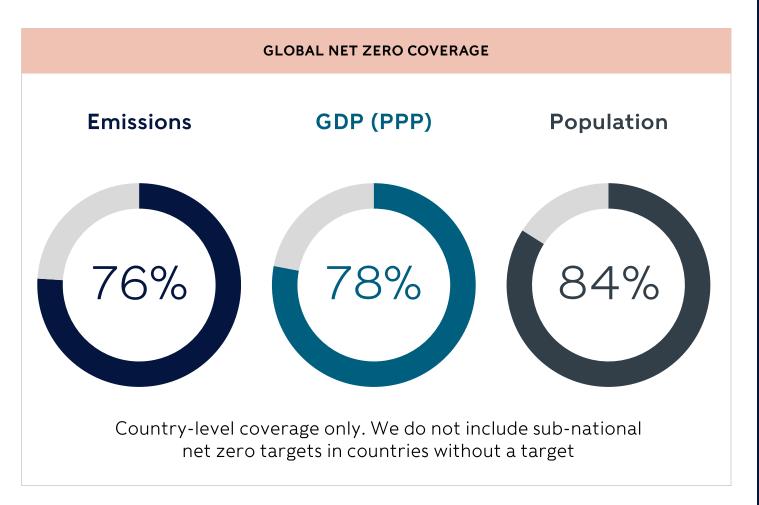


Change in global surface temperature (decadal average) as **reconstructed** (1-2000) and **observed** (1850-2020)



Change in global surface temperature (annual average) as **observed** and simulated using **human & natural** and **only natural** factors (both 1850-2020)

#### **NET ZERO COVERAGE 2024**





## Net Zero Numbers

Out of 198 countries, 711 regions, 1,186 cities and 1,974 companies.

142

Countries

193

Regions

280

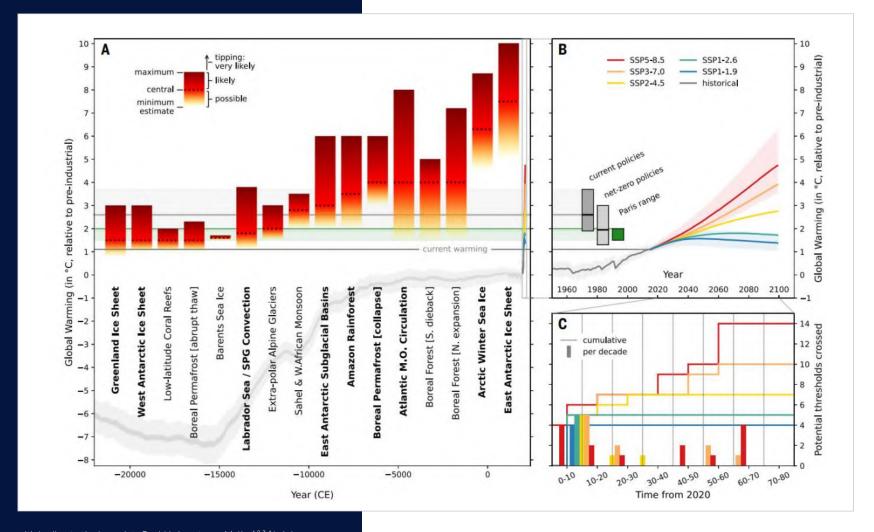
Cities

1,175

Companies

**RATHBONES** 

# TIPPING POINTS



Source: Exceeding 1.5°C global warming could trigger multiple climate tipping points David I. Armstrong McKayl.<sup>2,3,4</sup>\*, Arie Staall.<sup>2,5</sup>, Jesse F. Abrams<sup>3</sup>, Ricarda Winkelmann<sup>6,7</sup>, Boris Sakschewski<sup>6</sup>, Sina Loriani<sup>6</sup>, Ingo Fetzer<sup>1,2</sup>, Sarah E. Cornell<sup>1,2</sup>, Johan Rockström<sup>1,6</sup>, Timothy M. Lenton<sup>3</sup>

## REQUIRED EMISSIONS DECLINE PATH



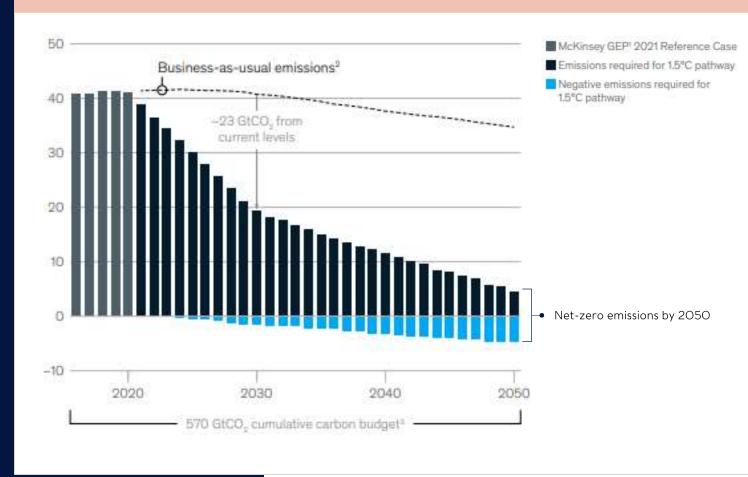
# NEGATIVE EMISSIONS

#### <sup>1</sup>Global Energy Perspective

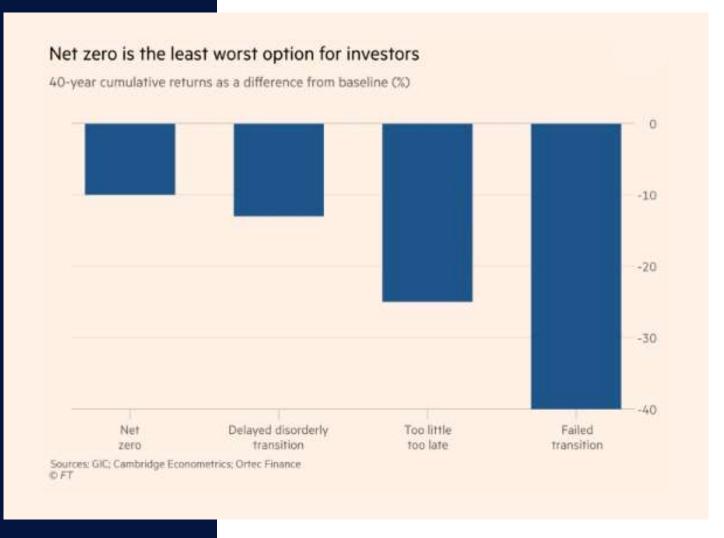
<sup>2</sup> While emissions fell by a quarter at the peak of COVID-19-related lockdowns, daily emissions have rebounded to be only 59% lower than 2019 levels. Scenarios to 2050 remain the same. Forster et al. "Current and future global climate impacts resulting from COVID-19, Nature Climate Change, August 7, 2020, nature.com <sup>3</sup> Budget of 570 GtCO, emissions from 2018 onward offers a 66% chance of limiting global warming to 1.5°C, when assessing historical temperature increases from a blend of air and sea-surface temperatures

Source: Corinne Le Quéré et al, "Global Carbon Budget 2018," Earth Systems Science Data, 2018, Volume 10, Number 4, pp. 2141-94, doi.org; IPCC; McKinsey Global Energy Perspective 2021, McKinsey analysis

#### GLOBAL CARBON-DIOXIDE EMISSIONS, GIGATONS (GtCO<sub>2</sub>) per year



# INVESTORS ARE TAKING NOTE

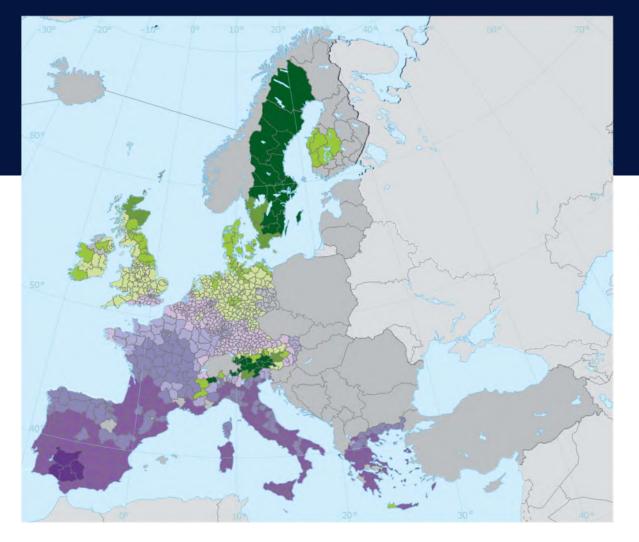


# IS INSURANCE TAKING THE LEAD ON THIS?



# WHAT TO DO WHEN THE **US BECOMES UNINSURABLE**





# THEY DON'T MAKE LAND ANYMORE, BUT...



# Predicted Climate Change Impact on Land Values (2100)

% change



■ -80 to -60

-60 to -40

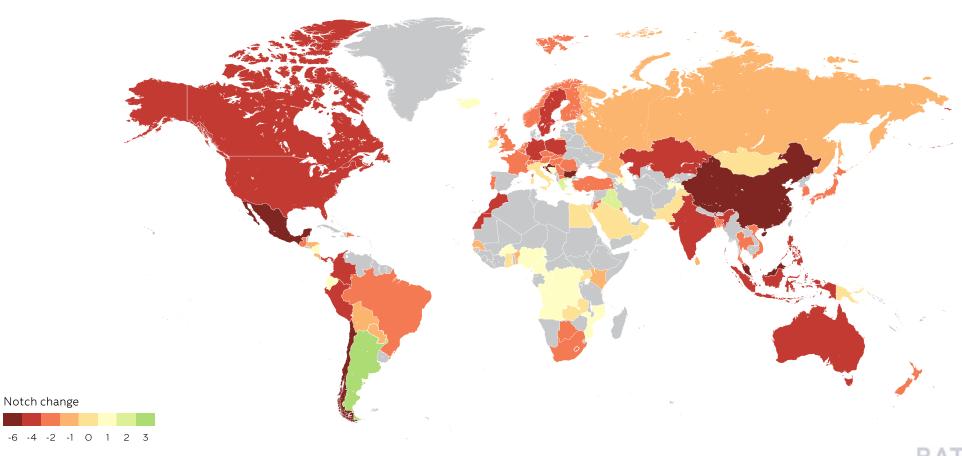
- -40 to -20
- -20 to 0
- O to 20

- **20 to 40**
- 40-60

> 60

#### RISING TEMPERATURES, MELTING RATINGS

#### FIGURE 8. GLOBAL CLIMATE-INDUCED SOVEREIGN RATINGS CHANGES (2100, RCP 8.5)



The range of notch changes is from-8 to +3, the legend indicates intervals

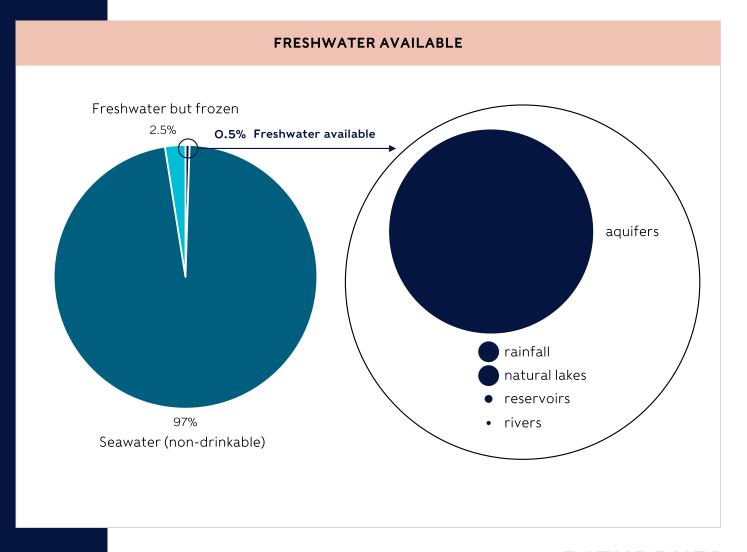
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# EXPLAINING THE NATURE CRISIS – THIS MUST BE INFLATIONARY...



Source: Photo Kevin Frayer/Getty Images

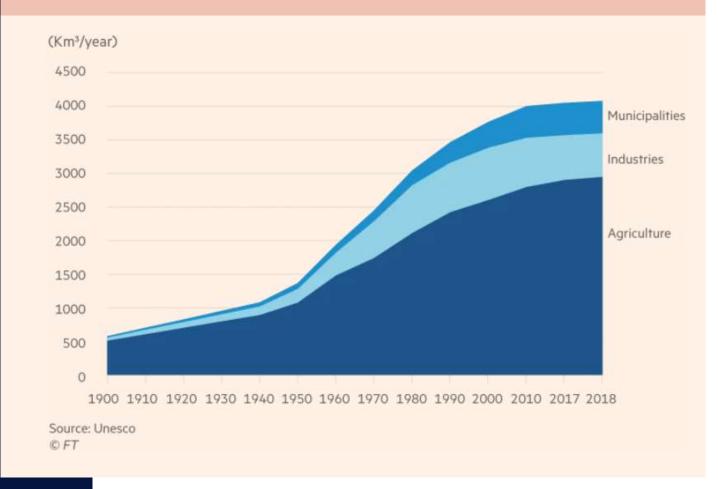
# FRESH WATER IS PRECIOUS



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# EXPLAINING THE NATURE CRISIS

#### **EVOLUTION OF GLOBAL WATER WITHDRAWALS, 1900-2018**



## **WATER AT CRITICAL**

Not just for hydropower but to cool nuclear and thermal power

Chinese economy ( + Add to myFT

#### Toyota and Foxconn hit as drought leads to record low Yangtze River level

Extreme weather in China's Sichuan province slashes hydropower capacity



The Yangtze River in Wuhan this week. The Yangtze has reached its lowest level on record for this time of year, according to the Chinese government © China Daily/Reuters

William Langley, Gloria Li and Primrose Riordan in Hong Kong AUGUST 17 2022

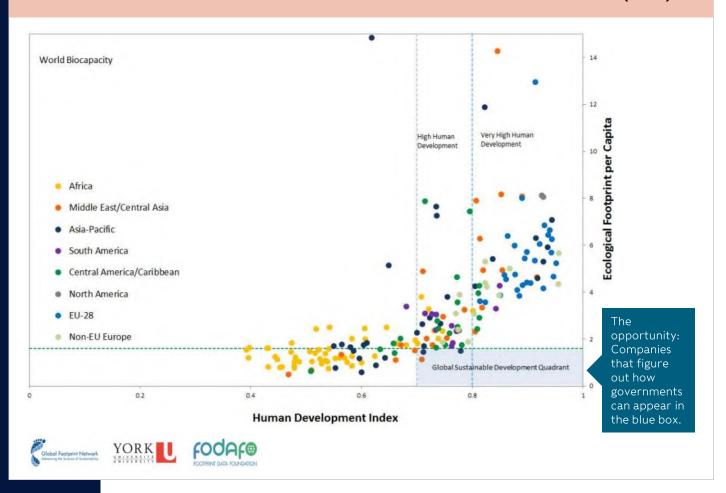




# THE INVESTMENT OPPORTUNITY

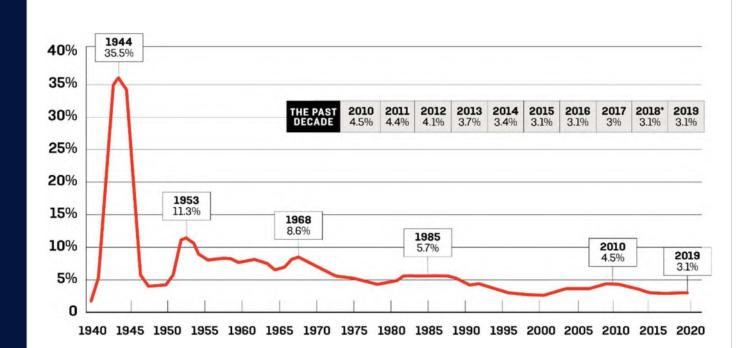
Sustainable Investing \$4 trillion p.a.

#### **ECOLOGICAL FOOTPRINT AND HUMAN DEVELOPMENT INDEX OF COUNTRIES (2018)**



# \$4 TRILLION IS C. 4.7% OF GLOBAL GDP

#### DEFENSE OUTLAYS VS. GROSS DOMESTIC PRODUCT FROM FISCAL YEARS 1940 TO 2019





We must urgently address the tension between profitability and sustainability

**LINDSAY HOOPER** 

+ Add to myFT

# ADDRESSING THE TENSION BETWEEN PROFIT AND SUSTAINABILITY

'The business case for sustainability is clear: companies cannot thrive on a planet suffering from cascading crises and unmanageable risks.

Climate change and biodiversity loss are not abstract threats but real and measurable factors that will undermine business as usual.

Rather than asking "How much sustainability can we afford?" companies must ask "How do we accelerate, navigate and benefit from the transition?"

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By Invitation | The future of climate activism

# Tariq Fancy on the failure of green investing and the need for state action

Pushing firms to adopt climate-friendly practices doesn't work, but government can change economic incentives, says a former sustainable-investing insider



Nov 4th 2021

< Share

"However, the very group that should be at the vanguard—the environmental, social and corporate governance (ESG) community—hurts rather than helps. Yes, it usefully collects data and reports standards. And it encourages a wave of talented people to work in the area. But these technical and human resources are not used well. The result is that corporate ESG efforts have negligible impact. Worse, its saintly narratives distract the public from seeing the need for aggressive, systemic reforms that only governments have the ability and legitimacy to pursue."

Fancy, 2021

# CONCLUSIONS...



#### **ADDITIONAL INFORMATION**

Information valid as of 20.03.2025 unless otherwise stated.

Tax regimes, bases and reliefs may change in the future.

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