



Legal & General Group: looking after our clients' financial security for over 180 years

LGIM is the investment management arm of Legal & General Group, which provides:

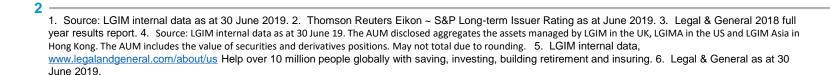
Investing **Pensions** Investment management Insurance Mortgages Strong and stable business L&G established **FTSE 100 Estimated** £1,135bm Standard & Poor's company £6.9bn assets under 1836 £16.1bn Solvency II capital management credit rating² (LGIM) market cap1 surplus³

Looking after our clients

Over
10m
customers
worldwide5



Over **7,900**° employees work together across the Group to deliver **outstanding value for customers**





This concentration of CO2 is already having real effects

Past 5 years hottest on record, July 2019 hottest month in Earth's history

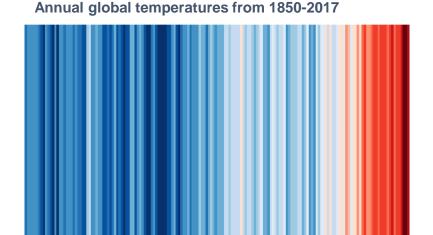
North Atlantic hurricanes cost insurers \$14 billion: Munich Re

Why These Australia Fires Are Like Nothing We've Seen Before

The New York Times

Fires in Amazon forest rose 30% in 2019







Overshooting 2°C

Extreme weather events



Rising economic costs



Sea-level rise is already locked in



Countries become uninhabitable

Due to sea level rise or exposure to extreme heat

15% reduction in global GDP

Resulting from climate damages in 2050, analysis by IRENA

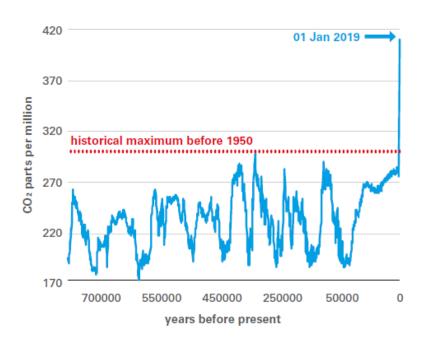
Approx. 10%

more rainfall in the UK by end of century



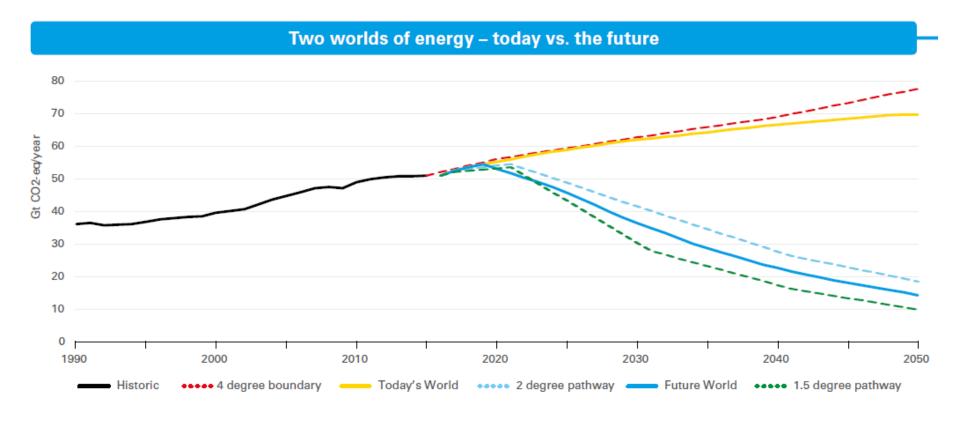
Why does climate change matter to investors?

Carbon dioxide levels in the atmosphere are unprecedented...





The emissions path we're on today

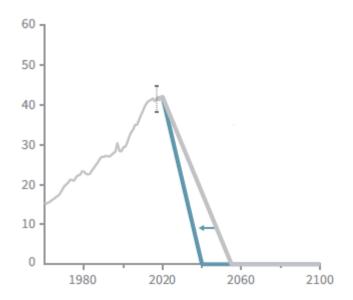




Getting to well-below 2°C

Meeting the Paris Agreement target implies a wholesale change of the energy system and drastic shift in consumption patterns.

Stylized net global CO2 emission pathways Billion tonnes CO2 per year (GtCO2/yr)



Energy

Land Use



A wholesale transformation of the energy system

Up to 3x the historical "normal" pace of change







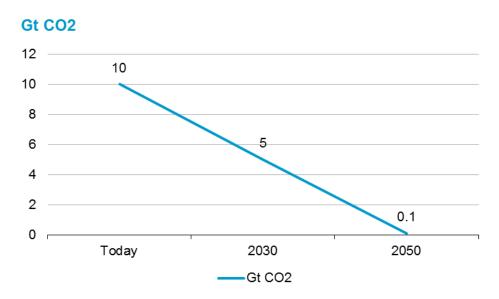




Combined with a dramatic decline in coal-fired power generation

Retiring at least one coal plant/week

Annual CO2 emissions from coal-fired power plants, 2019-2020 under the IEA's Sustainable Development Scenario

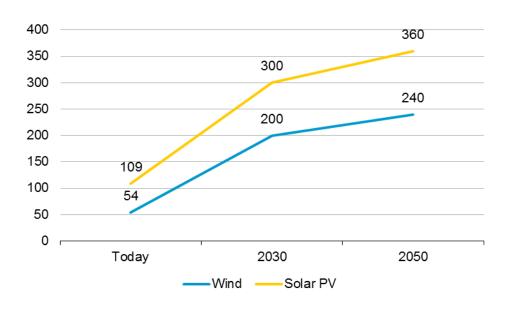




A rapid ramp up of renewable energy...

\$1.2trn of investments in renewables, networks & battery storage by 2050

Yearly additions of installed capacity, GW





Emissions models assume land use GHG come down to zero

Implying a drastic departure from BAU for the global food system





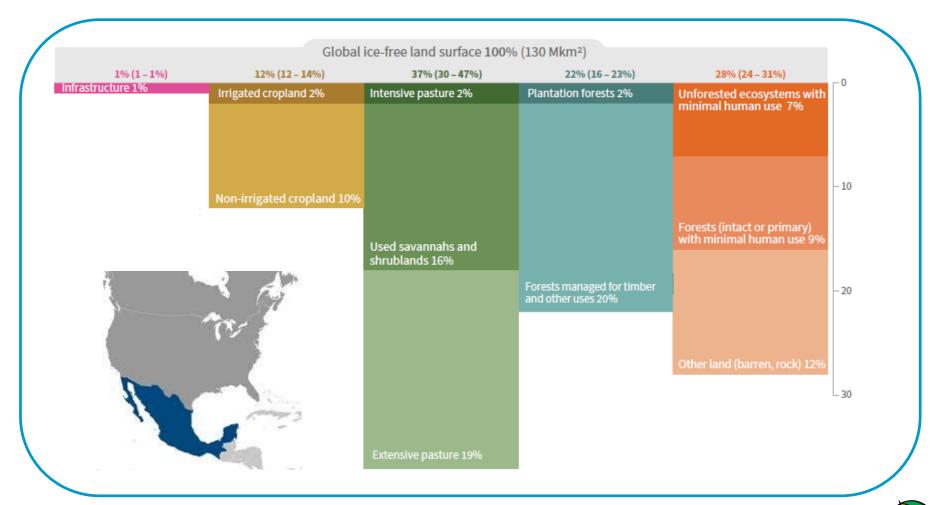






A wholesale transformation of global food & agriculture

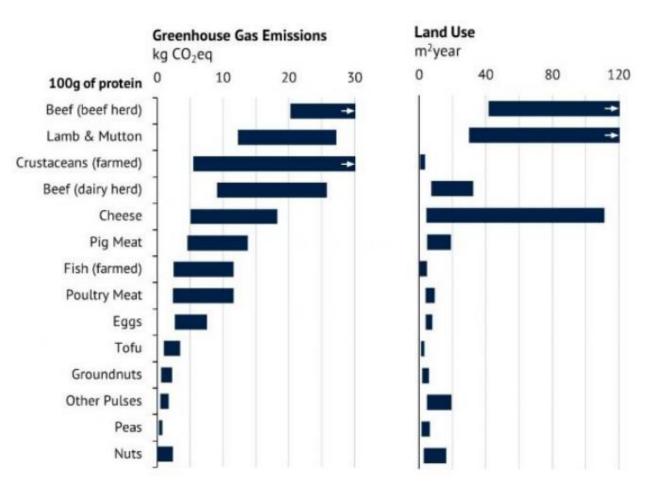
In order to reduce emissions to net-zero by mid-century





The link between consumption patterns and climate change

> Reduction in livestock production necessary to meet Paris target



2.6 x

per capita projected total meat consumption in developed markets compared to developing by 2028.

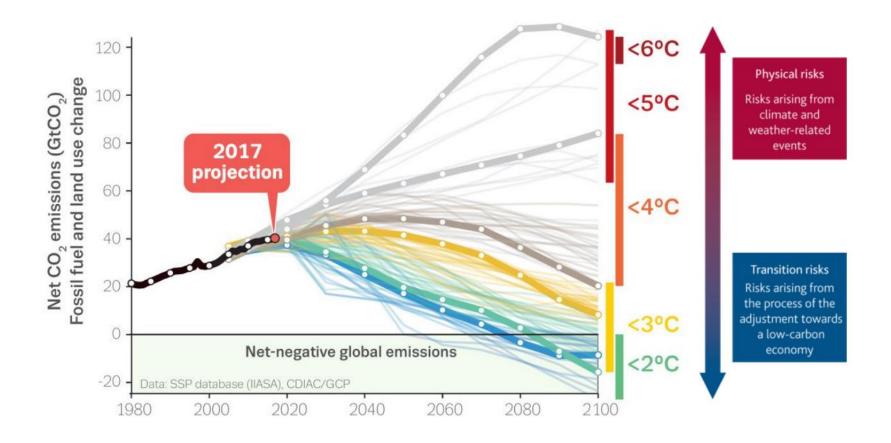
3 x

Developed markets are on track eat three times as much beef as developing ones by the end of this decade.



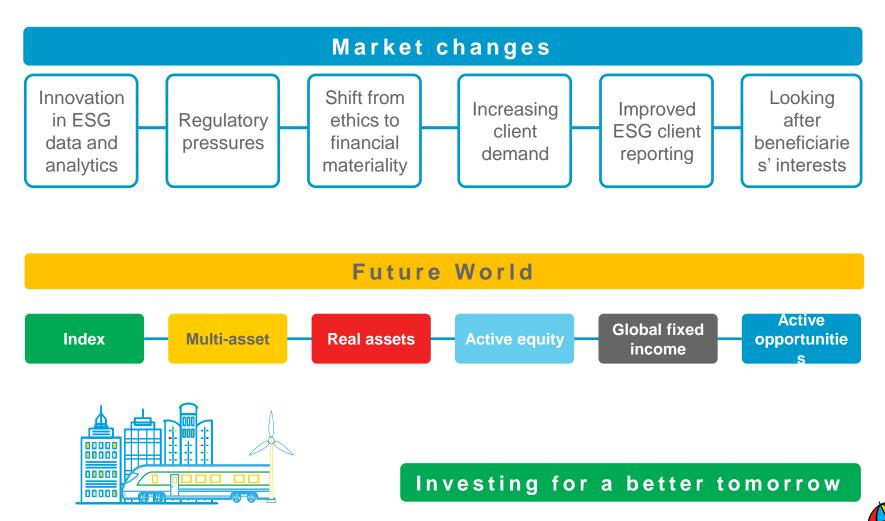
Transitional and physical risk

Investors must try to plan for and mitigate both, <u>and</u> the opportunities





Integrating climate change into product development



Future World Funds exclusions



Coal Mining

Coal use and extraction is responsible for significant levels of planet-warming greenhouse gas emissions. The inability of 'pure' coal companies to diversify puts this business model at risk from Increasing regulatory pressure to limit GHG emissions globally and technological advances such as renewables.



LGIM's Climate Impact Pledge

A targeted engagement process with those companies we have identified as critical to meeting the aims of the Paris Agreement to limit climate change. We may divest from companies that do not meet minimum standards after a period of engagement



Controversial Weapons

Controversial weapons are those that have an indiscriminate and disproportional humanitarian impact, in many jurisdictions their use is illegal. Companies involved in the manufacturing and production of cluster munitions, antipersonnel landmines, and biological and chemical weapons will be excluded from all active credit and equity funds, as well as certain specific index funds and client mandates.



United Nations Global Compact

The UNGC's principles set globally accepted standards on human rights, labour, environment and corruption. Companies who have violated these principles consistently for three years or longer will not be held within the Future World funds



Climate Impact Pledge: A targeted engagement framework

Climate impact pledge

Industries

Energy, transport, finance and agricultural

Assessment criteria

Policy on climate

Governance and transparency

Strategy of resilience and innovation

Reputation/Public policy



Direct engagement with companies

Improvements made "name and fame"

Vote against and divest holding from within future world funds



LGIM boots firms from index over climate change risk

ADVISER

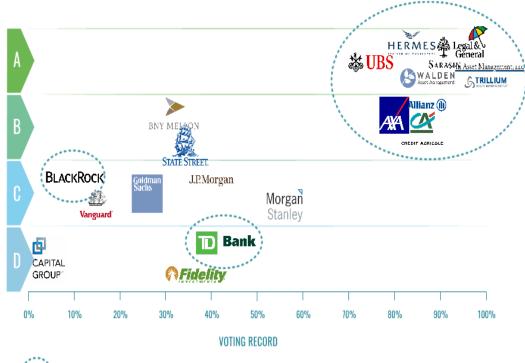
Investor LGIM seeks removal of eight company chairs over climate change inaction REUTERS



How the asset management industry is taking action

Legal and General exhibited best practice
[...] through its Climate Impact Pledge"

– InfluenceMap



one of the most outspoken fund managers over the climate crisis"

- The Guardian, 22 Nov 2019

LGIM['s] stance is much tougher than across the rest of the industry"

- Financial Times, 12 Dec 2019

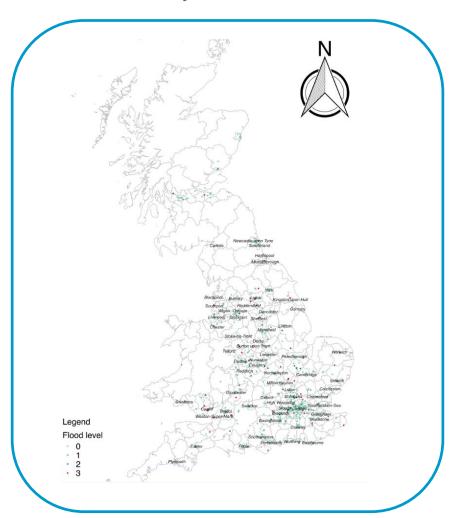
More votes in favour of 2019 climate resolutions than any of the world's 20 largest asset managers



ENGAGEMENT SCORE

Modelling climate impacts

Scenario analysis next frontier for asset owners and managers



Legal & General unit reveals new model for energy transition risk



Climate Change Pushes Investors to Take Their Temperature

The New York Times



L_{Q&A}



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