

Your success. Our priority.

# Decarbonising portfolios Aligning net zero pathways in corporate credit portfolios

For professional investors only 24 November 2021

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### **Asset Owners**

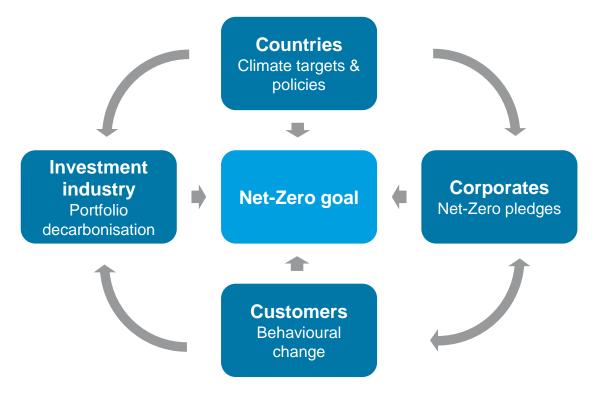
- 220 net zero asset managers with US\$57 trillion AUM commit to investing aligned with net zero by 2050
- 61 asset owners with US\$10 trillion AUM signed up to the Net Zero Asset Owners Alliance which commits to establishing intermediate targets every five years



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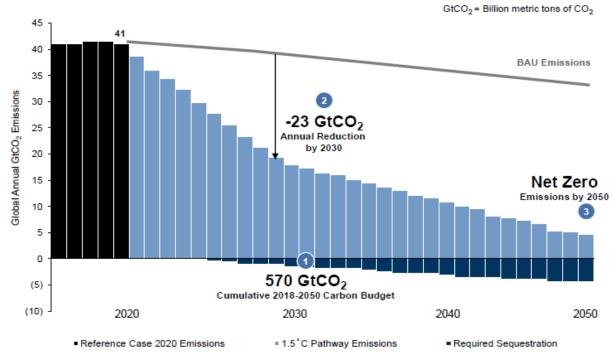


### The Four Forces driving us to Net Zero: Reinforcing each other





# What it takes to achieve Net Zero Radical sector decarbonisation, Now!



Source: IEA, as at May 2021.



### Interim targets

### Sovereign targets

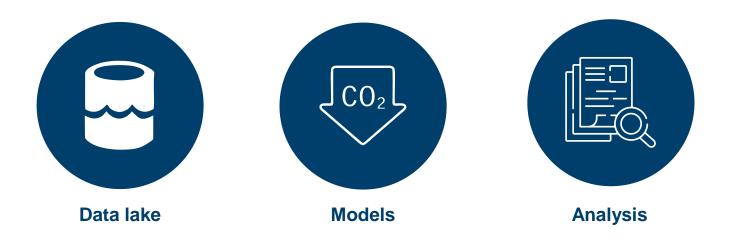
	% global emissions	Net Zero Interim emissions reduction targets target				n targets
		Year	Target	Year	Baseline	Implied annual change going forward*
UK	1%	2050	-78%	2035	1990	-5.5%
EU	8%	2050	-55%	2030	1990	-4.0%
US	15%	2050	-50%	2030	2005	-4.8%
Japan	3%	2050	-46%	2030	2013	-4.0%
Canada	2%	2050	-40%	2030	2005	-4.5%
China	30%	2060	Peak emissions	2030	2005	
India	7%	n/a	-33% (intensity)	2030	2005	

Source: Columbia Threadneedle Investments, as at March 2021.

In highlighted countries that announced higher targets in 1Q21. \* MS estimations: implied annual change from 2018-2030

# 1. Analytics

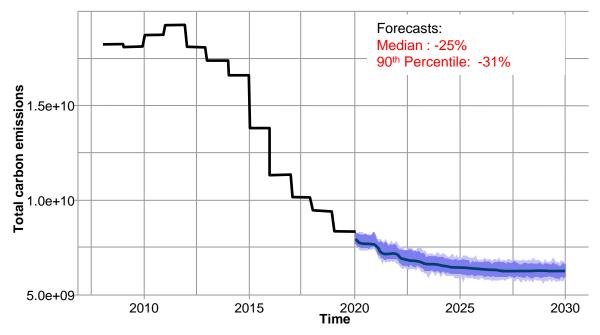






# Example Evaluating the natural rate of decline

### **Total carbon emissions NNAR forecasts**



- Example: Global Investment Grade Credit Portfolio
- Across 100,000 scenarios\*, 2025 forecasts indications

### Median Forecast Scenario:

 25% natural decline in total carbon emissions

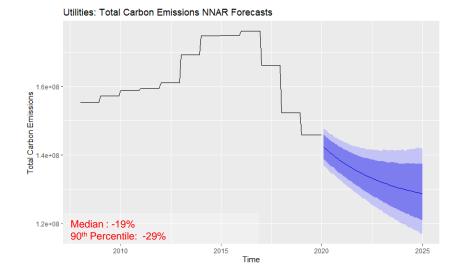
### 90<sup>th</sup> Percentile

 31% natural decline in total carbon emissions

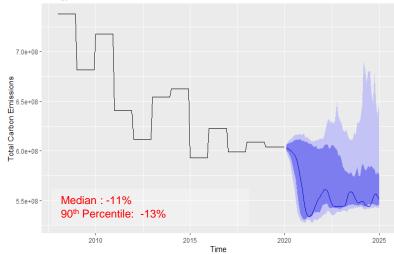
Source: Columbia Threadneedle Investments, as at April 2021. For illustrative purposes only. Using +10 years data (MSCI, CDP, Bloomberg) for +8800 companies and mapped to existing portfolios. Ran a Neural Network model, using +50 input variables and 100,000 scenarios

## Evaluating the natural rate of decline By sector

### Utilities



Energy



Energy: Total Carbon Emissions NNAR Forecasts

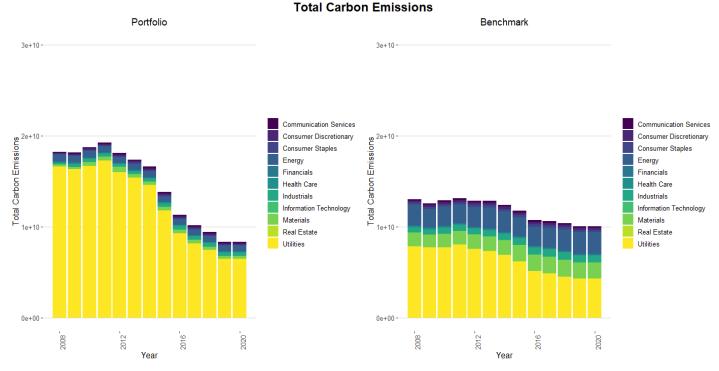
Source: Columbia Threadneedle Investments, as at April 2021. For illustrative purposes only.

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# Evaluating the natural rate of decline By sector level aggregates



Source: Columbia Threadneedle Investments, as at April 2021.

### 2. Embedded process



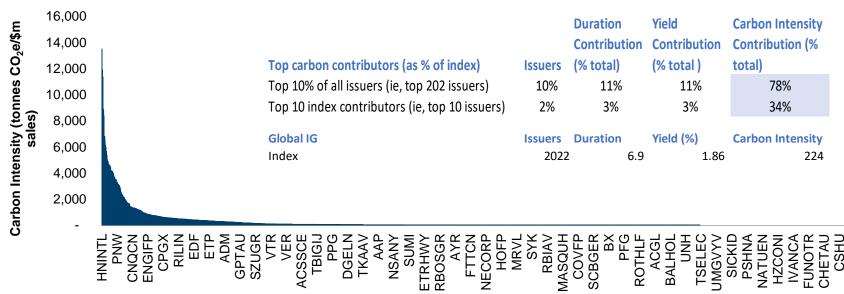




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### Example Evaluate portfolio optimisation potential

### Barclay's Global IG: Tickers ranked by average carbon intensity\*



Source: Columbia Threadneedle Investments, as at 31 March 2021. Index used is the Barclays Global Corporate Index. \*Analysis may be run on other measures, including Total Carbon, Carbon footprint etc. The mention of any specific stocks or bonds should not be taken as a recommendation to deal.

# 3. Active and engaged asset owners

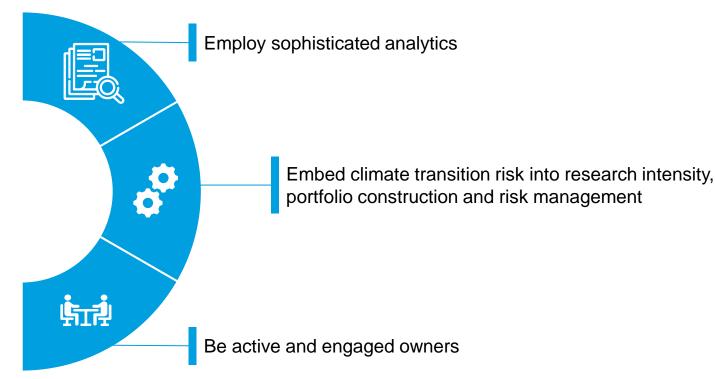


- Engagement universe: 6,000+ corporate issuers
- Equity, HY, IG and RI fundamental analysts engagement is +3,000 corporates annually
- Our stewardship analysts for enhanced engagements is ~100 corporates annually

Source: Columbia Threadneedle Investments, as at September 2021.



# Summary



Source: Columbia Threadneedle Investments, as at September 2021.



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