Session 4B Developments in Green and Transition Finance

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Climate change is the most prominent focus of ESG today, but we identify 4 trends that will also matter over the next 12 to 18 months:

- 1. A path towards international standards around ESG
- 2. The growing importance of transition finance in achieving net zero
- 3. Greater recognition of nature-related risks
- 4. More focus on the importance of human capital in creating value

The evolving landscape on ESG regulations and disclosure standards - Part 1



Source: State Street. As of June 2022, 'The Future of ESG: supplying the demand'

The evolving landscape on ESG regulations and disclosure standards – Part 2



Source: State Street. As of June 2022, 'The future of ESG: supplying the demand'

Why Should Investors Care About Climate?

Global warming between 1850–1900 and 2010–2019 (°C) 1.07 (0.8–1.3; <i>likely</i> range)		Historical cumulative CO ₂ emissions from 1850 to 2019 (GtCO ₂) 2390 (± 240; likely range)							
1.5	0.43	900	650	500	400	300	Higher or lower reductions in		
1.7	0.63	1450	1050	850	700	550	accompanying non-CO ₂ emissions can increase or decrease the values on		
2.0	0.93	2300	1700	1350	1150	900	the left by 220 GtCO ₂ or more		



Source: IPCC, Working Group I report, "Climate Change 2021: the Physical Science Basis" (2021)

- The global energy system is undergoing a seismic transition from one based primarily on fossil fuels to one increasingly based on renewable energy sources.
- Declining renewable energy costs are impacting the energy sourcing mix
- Regulations in certain regions are furthering the Low Carbon Transition
- Risks and opportunities related to climate change and the transition to a low-carbon economy are leading to massive capital reallocations.
- Many large institutional investors are signing up for voluntary initiatives such as NZAO and NAZM and are committing to being net zero by 2050

A Major Change in Sentiment

Ahead of investment opportunity and risk management, investors told us that a desire to solve the climate crisis was a key decision driver.



What's driving investors to decarbonize their portfolios?

Source: State Street Global Advisors. Q What are the main drivers for your institution to factor climate issues into investment decisions and/or work towards portfolio?

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Many Pathways to Paris

Engagement, asset stewardship and robust climate criteria & credentials are key strategies leading the way to success.



What strategies to address climate and decarbonization do investors rate most highly?

Source: State Street Global Advisors. Q: How important will each of the following strategies be in your institution's efforts to address climate issues and/or decarbonise its equity and fixed income portfolios over the next three years?

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Spotlight on Bond

11%

Not making targeted allocations to ESG bonds 56%

Integrating ESG bonds into existing fixed income strategies

47%

Moving towards using a standard green / ESG bond index

24%

Moving towards using a custom benchmark that targets ESG bonds in construction criteria

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Source: State Street Global Advisors. Q: What is your preferred approach to investing in ESG-labelled bonds (i.e. green/ social/sustainability/sustainability-linked bonds)?

Source: State Street Global Advisors. As of 2022. The above information is for illustrative purposes only.

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Align investments with Paris objectives: an example

Objectives	Minimize	Minimize	Minimize	Maximize	Build
	Carbon Emission Intensity	Fossil Fuel Reserves	Brown Revenues	Green Bonds & Climate-Aligned Issuers	Resilient Portfolio
Metrics	CO ₂ Emissions / \$M Revenues	Embedded CO ₂ /Per Tonnes of CO ₂ Emissions	% Revenues from Extractive Activities	% Invested Green Bonds and Issuers with Revenue Streams in Climate-Aligned Activities	Score on Climate Change Preparedness

Source: State Street Global Advisors. As of 2022. The above information is for illustrative purposes only.

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All forms of investments carry risks, including the risk of losing all of the invested amount. Such activities may not be suitable for everyone.

Past performance is not a reliable indicator of future performance.

The returns on a portfolio of securities which exclude companies that do not meet the portfolio's specified ESG criteria may trail the returns on a portfolio of securities which include such companies. A portfolio's ESG criteria may result in the portfolio investing in industry sectors or securities which underperform the market as a whole.

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