

August, 2023

While markets have experienced divergence and uncertainty in the first half of 2023, environmental, social and governance, or ESG-oriented investing has continued to evolve. Top takeaways for investors interested in positioning their portfolios for long-term ESG-related return opportunities include:

- 1. Investment opportunities in transition & adaptation as transition plans are implemented and efforts to establish climate resilience increase
- 2. Taking a sector approach to invest in biodiversity such as on agrifood & water
- 3. Customizing strategies for different investor objectives through investment-led processes, ETFs and impact investing opportunities
- 4. Regulations enhancing investment processes as the International Sustainability Standards Board (ISSB) and regulations on ESG data could enhance baseline of sustainability disclosures allowing investors to make more informed decisions



ESG thematic opportunities: investing in climate & nature







ESG as good investment process

- Customizing strategies for different investor objectives
 - Investment-led Integration & stewardship
 - Broadening approaches- ETF, impact



Regulations enhancing investment processes

- ISSB rollout
- · Refining approaches to SFDR
- ESG data in focus

Source: Invesco, for illustrative purposes only. SFDR- Sustainable Finance Disclosures Regulation

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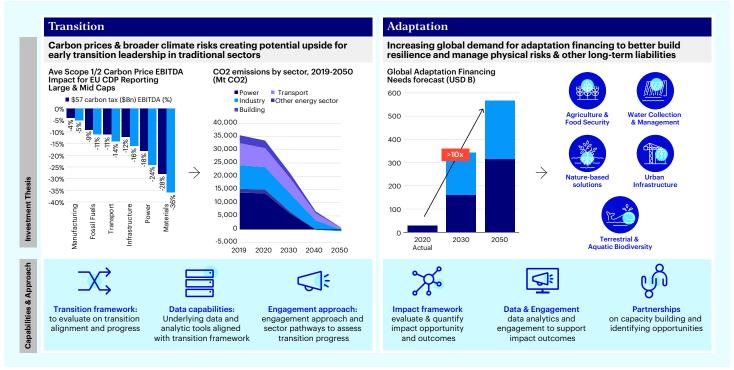


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Thematic Opportunities: How can investors be investing for climate and nature?

Investment opportunities in transition & adaptation

Transition: 2022 saw increasing number of investors focusing on transition driven by regulatory developments (FCA SDR "Improvers" Label¹, launch of UK Transition Plan Taskforce², G20 Transition Framework³) alongside a macroeconomic shift to quality and value. Challenges relating to defining transition, credible transition plans, and reliability of data remain. The underlying investment thesis is twofold:



Source: Bernstein Putting a price on carbon; Energy Tracker; IPCC WGIII AR6; IEA; UNEP Adaptation Gap Report (Adaptation Gap Report 2022 | UNEP - UN Environment Programme); Past performance is not a guarantee of future results

- High-emitting sectors demonstrating transition leadership can capture potential
 valuation upside with the pricing in of carbon and productivity gains from green
 technology while also creating multiplier effects on downstream sectors that can
 benefit from upstream's technology adoption. This can be assessed by forward
 looking assessments on progress and plans. Invesco's partnership with Tsinghua
 University Centre for Green Finance Research provides an investment framework for
 analyzing transition through disclosures, emissions analysis, industry pathways and
 green revenues.
- Return opportunities exist in climate solutions and technologies that benefit from broader adoption and scaling up due to decarbonization of high-emitting sectors.

Adaptation: Adaptation is front-and-center, driven by COP27's launch of its Adaptation Agenda⁴ and the anticipation of El Nino in 2023⁵. though financing gaps remain⁶ and greater standardization is required. The investment thesis centers on anticipation of an uptick in adaptation financing demand as more governments and corporates invest in projects to increase resilience to better manage physical risks in the longer-term.

^{1.} FCA SDR Consultation CP22/20: Sustainability Disclosure Requirements (SDR) and investment labels (fca.org.uk)

^{2.} HM Treasury Transition Plan Taskforce Transition Plan Taskforce | Setting a robust standard (transitiontaskforce.net)

 $^{3. \ \} G20 \ Transition Finance \ g20 s fwg.org/wp-content/uploads/2022/10/2022-G20-Sustainable-Finance-Report-2.pdf$

Report-2.pdf
4. UNFCCC COP27 Presidency launches Adaptation Agenda to build climate resilience for 4 billion by 2030 - Climate

Champions (unfccc.int)

5. BBC The high cost of an El Niño in 2023 - BBC Future

Climate Policy Initiative https://www.climatepolicyinitiative.org/publication/global-landscape-of-climate-finance-2012/



2. Taking a sector approach to invest in biodiversity

3. Customizing strategies for different investor objectives

4. Regulations enhancing investment processes

ESG Midyear Outlook for Investors: Positioning for long-term returns

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Attention to nature grew with global developments such as the Taskforce on Nature-related Financial Disclosures (TNFD) releases of draft standards⁷ and Kunming-Montreal Global Biodiversity Framework. Existing challenges exist in having aggregable metrics and that biodiversity is highly localized and context specific. Investors' ability to take a sector-based thematic approach is key. We see specific opportunities in:

- Agriculture and Food: Agriculture's high dependency on nature and increasing risks
 in food security provide investment opportunities from precision agriculture to
 alternative protein. Invesco has conducted industry investment research with Farm
 Animal Investment Risk and Return (FAIRR) on investing in agrifood sectors and on
 protein producer data.
- Water: Investment opportunities across water supply chain arise from this broader thematic relating to both clean water availability and blue economy impact such as on fishing industries and aquatic biodiversity. Specific opportunities include water infrastructure like drainage systems, water treatment & sanitation, water equipment (like pumps).

Investment process: How can information about ESG factors enhance investment processes?

Investment-led process: 2022 saw global discourse on the role of ESG-related elements in investing. Correspondingly, approaches to considering financially material ESG factors or risks have evolved to enhance investment processes for generating long-term returns. Drivers of return may come from using ESG factors to quantify material financial risks and opportunities. Stewardship and active ownership may be tools for issuer dialogue on ESG factors affecting shareholder returns.

Broadening approaches: The expanding range of ESG investing strategies can cater to increasing breadth of investor objectives:

- ESG ETFs: Global ESG ETFs have been gaining share of overall ETF AUM across regions⁸ providing increased choice for meeting diverse ESG and other investment preferences (such as additional weighting or on tracking error) of investors.
- Impact investing: Growth in interest in impact investing segment is driven by institutional investors and next-generation High Net Worth individual investors seeking deeper ESG outcomes.

Regulations are evolving quickly, no longer just a checklist but on how it helps deepens investors' approaches and processes for sustainable investing:

- International Sustainability Standards Board (ISSB) Rollout: All eyes are on finalized standards¹⁰ that are targeted to take effect in 2024 and adoption by different exchanges and regulators. Regions like Japan¹¹ and Hong Kong¹² have publicly announced plans on proposed adoption.
- Refining approaches to SFDR: Investors are moving beyond looking at labels or
 classifications to assessing investment managers' process strength. Whether it's on
 "sustainable investments" or in deciding between "Article 8 vs Article 9", the underlying
 process of how an investor meets requirements and discloses relevant information
 becomes more important with more investors expected to ask deeper questions.
- Use of ESG data: We observe increasing regulatory momentum on guidance for ESG ratings and data providers (across UK, Japan, India, Singapore)

^{7.} TNFD TNFD final draft proposes a 'Scopes' approach for nature - ESG Clarity

^{8.} ESG Clarity ESG ETF assets will once again double in 2022 - ESG Clarity

Invesco Analysis - ESG and impact investing in Asia

Thomson Reuters Global Baseline of Climate and Sustainability Disclosure Rules to Take Effect Next Year (thomsonreuters.com)

^{11.} ESGInvestor Japan Sets ISSB Timeline - ESG Investor

^{12.} HKEX Exchange Publishes Consultation Paper on Enhancement of Climate Disclosure under its ESG Framework (hkex com hk)



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Looking Ahead: Focus on positioning

As markets face short-term uncertainty and pressure, the current market environment provides investors with an opportunity to consider their longer-term positioning. Sustainable investing offers both thematic opportunities and quality of process for investors to be best positioned for value creation and risk management.



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Investment risks

The value of investments and any income will fluctuate (this may partly be the result of exchange rate fluctuations) and investors may not get back the full amount invested.

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