

**INTERNATIONAL NETWORK FOR ECONOMIC RESEARCH**

# Sustainable Finance: Creating Value and Resilience

Nawazish Mirza<sup>1</sup>, Amir Hasnaoui<sup>1</sup>,

<sup>1</sup> *Excelia Business School, La Rochelle, France.*

*This policy brief explores the transformative role of sustainable finance in driving long-term value creation for businesses and economies. It highlights how aligning capital flows with sustainability priorities addresses global challenges such as climate change, inequality, and resource scarcity while advancing the Sustainable Development Goals. Key channels of value creation include enhanced financial performance, strengthening market competitiveness, managing risks, and fostering innovation.*

Sustainable finance has become integral to global financial systems, aligning capital flows with sustainability priorities to drive long-term growth and resilience. It is critical in advancing the Sustainable Development Goals (SDGs) while addressing challenges such as climate change, inequality, and resource scarcity.

The 2015 Paris Agreement and the adoption of the SDGs are key milestones, emphasizing the importance of sustainable finance in achieving global objectives. Green and Sustainability bonds, sustainability-linked loans, and ESG-focused funds are now pivotal in facilitating this shift. Stronger regulations and transparency demands have positioned sustainable finance as a core element of policy frameworks.

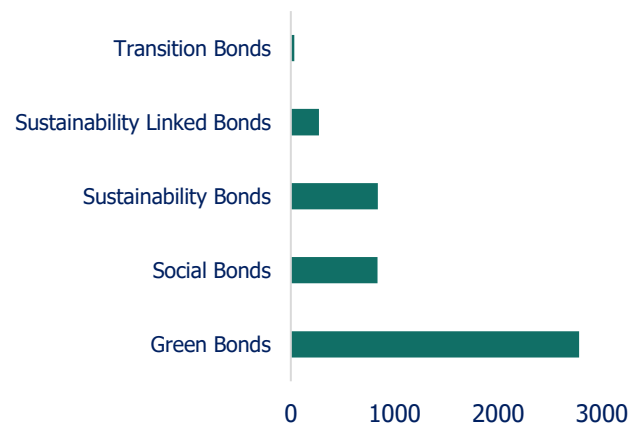


Figure 1: Total Market Value (\$ Blns) as of Dec 2024

This shift is redefining market dynamics and acting as a catalyst for sustainable economic progress. The bond market has dominated the sustainability space with steady growth. In contrast, the loan

market, albeit small, reflects fluctuating demand over the years. Our findings in (Wang et al., 2023) show that financial stress and geopolitical risk negatively impact demand for green finance. This explains the sluggish bond market in the last three years, which emanated from geopolitical pressures in the EU and quantitative tightening.

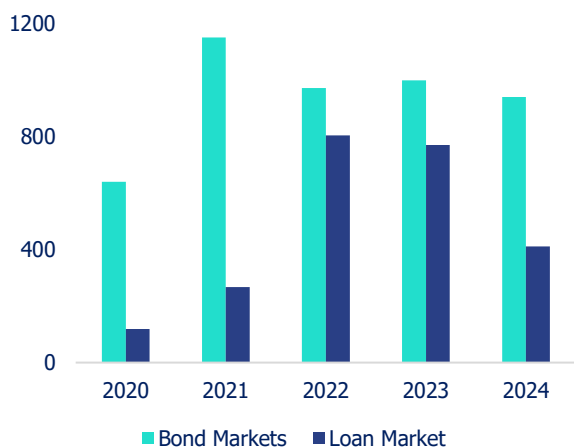


Figure 2: Sustainable Financing (\$ Blns)

Sustainable finance significantly drives corporate value creation by enabling businesses to generate long-term economic, social, and environmental value for stakeholders. This includes improving financial performance, enhancing market competitiveness, managing risks, and fostering innovation to meet investors', customers', and society's expectations.

### Improving Financial Performance

Sustainable finance enhances value by reducing costs, improving capital access, and driving growth. It enables investments in energy efficiency, waste reduction, and resource optimization, cutting expenses while boosting productivity. It supports revenue growth through green products tailored to eco-conscious consumers and mitigates risks like climate change and supply chain disruptions, ensuring stable cash flows (Umar et al., 2022).

Instruments such as green bonds and sustainability-linked loans attract strong investor demand. They offer lower borrowing costs and favorable terms, making capital more accessible and cost-effective.



Figure 3: YTM (%) S&P GBI vs S&P 500 BI

### Market Competitiveness

Sustainable practices enhance market competitiveness by helping businesses align with evolving consumer demands, regulatory frameworks, and market expectations. They facilitate investments in green products, renewable energy, and sustainable packaging, allowing companies to cater to the rising preference for environmentally responsible solutions (Lv et al., 2023). These efforts build customer loyalty and create opportunities to charge premium prices, strengthening market position.



Figure 3: Key Drivers of Market Competitiveness

This proactive alignment reduces operational risks and provides a significant first-mover advantage. By embedding sustainability into core operations, companies attract top talent and forge partnerships with like-minded organizations.

These collaborations drive innovation and operational efficiency, allowing businesses to differentiate themselves and achieve long-term market leadership.

### Managing Risks

Financing aligned with sustainability goals is vital in managing risks. It helps companies mitigate risks linked to climate change, regulatory compliance, and resource scarcity, thereby reducing legal and reputational liabilities (Mirza et al., 2024). Investments in climate-resilient infrastructure and renewable energy limit exposure to extreme weather events and carbon pricing pressures.

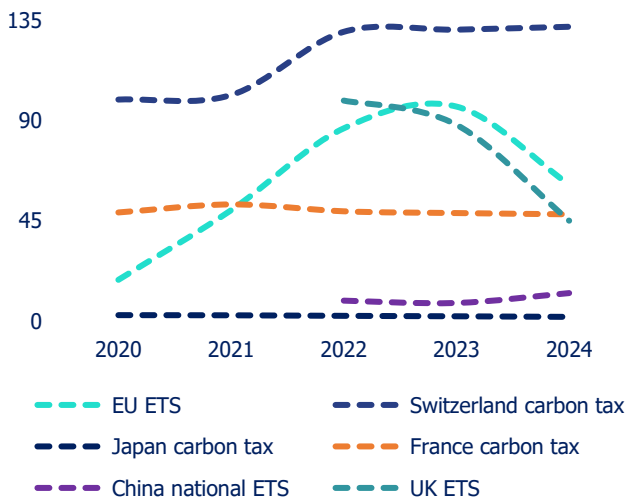


Figure 4: Price Trends US\$/tCO2 Emissions

Initiatives that promote workforce well-being, diversity, and ethical practices minimize social risks, reducing the likelihood of labor disputes and public backlash. Additionally, funding community-focused projects fosters trust and strengthens stakeholder relationships, lowering consumer or societal dissatisfaction risks.

Supply chain resilience is enhanced by supporting ethical sourcing and resource efficiency measures, reducing dependency on volatile inputs, and preventing disruptions caused by unsustainable practices. Sustainable finance-linked transparency requirements further shield firms from reputational harm by ensuring accountability and mitigating the risks of mismanagement or misinformation.

### Fostering Innovation

Sustainable finance fosters innovation by supporting solutions that deliver long-term value. It allows businesses to invest in green technologies like renewable energy, carbon capture, and energy-efficient systems. These technologies reduce environmental impact and position firms as leaders in new industries. Funding for circular economy initiatives, such as waste reduction and resource recovery, drives cost-saving practices that attract environmentally conscious consumers (Mirza et al., 2023).

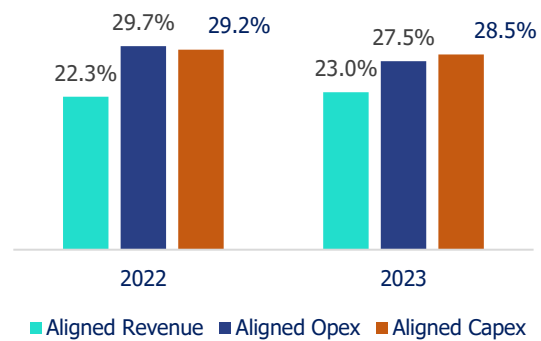


Figure 5: Alignment of Revenue, Opex and Capex > 0

Sustainability-linked financing also boosts product and service innovation. Companies can create eco-friendly goods, like biodegradable packaging or energy-efficient appliances, to meet evolving market demands. Access to advanced tools like AI for energy management and blockchain for transparent supply chains further improves efficiency and decision-making.

### Conclusion

Sustainable finance has emerged as a vital driver of value creation, transforming how businesses align with global sustainability priorities. Enhancing financial performance, bolstering competitiveness, mitigating risks, and fueling innovation provide the foundation for long-term growth and resilience. As markets evolve under increasing regulatory scrutiny and transparency demands, sustainability-focused financing will remain integral to addressing global challenges and unlocking new opportunities, going forward.

# Policy Implications

We recommend that policymakers establish clear sustainability directions to accelerate the adoption of sustainable finance. Guidelines for green bonds, sustainability-linked loans, and ESG reporting can boost market confidence and accountability. Financial incentives such as tax credits and subsidies should encourage businesses to align with sustainability goals. Moreover, blended finance initiatives can address funding gaps and mobilize capital for green technologies. Finally, investment in circular economy models can be facilitated through funding innovation hubs and creating favorable environments for sustainability-focused startups.

## References

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Contact:

[publications@infer.info](mailto:publications@infer.info)