



The 2024 Rise of Carbon Border Adjustment Mechanisms (CBAMs) and Their Impact on Global Trade

In 2024, Carbon Border Adjustment Mechanisms (CBAMs) have become a significant focal point in global trade, as regions like the European Union (EU) and other major economies implement carbon border taxes. These mechanisms are designed to prevent carbon leakage—where companies move production to regions with less stringent climate policies—and to incentivize industries worldwide to reduce their carbon emissions. However, the implementation of CBAMs has implications for global trade flows, particularly impacting carbon-intensive industries such as steel, cement, and aluminum. This white paper examines how CBAMs are reshaping international trade, the challenges they present for industries, and their potential to drive a global transition toward low-carbon production.

UNDERSTANDING CBAMS AND THEIR PURPOSE

CBAMs are trade policies that impose tariffs on imports based on the carbon emissions produced during their manufacture. The primary goal of CBAMs is to level the playing field between countries with strict climate policies and those with more lenient regulations. By applying carbon-based tariffs, regions like the EU aim to encourage cleaner production methods globally and prevent companies from circumventing environmental regulations by relocating to jurisdictions with lower environmental standards.

In 2024, the EU's CBAM has been implemented in a phased approach, initially covering sectors with high carbon footprints, including steel, cement, and fertilizer. Other economies, such as Canada and Japan, have announced plans to introduce similar mechanisms. By pricing carbon into imported goods, CBAMs effectively extend a country's domestic climate policies beyond its borders, creating an incentive for global companies to invest in cleaner technologies.

IMPACT ON CARBON-INTENSIVE INDUSTRIES

CBAMs disproportionately affect carbon-intensive industries that rely on energy-intensive processes, such as the production of steel, cement, aluminum, and chemicals. For companies in these sectors, CBAMs mean higher costs for exporting to regions like the EU unless they can demonstrate reduced carbon emissions in their production processes. As a result, industries are investing in carbon reduction technologies, such as carbon capture and storage, switching to renewable energy, and adopting more efficient manufacturing practices to meet these new standards and avoid tariffs.

However, CBAMs also present challenges for industries in developing countries, where access to green technologies is limited. These countries risk losing competitive advantage in markets that impose carbon border taxes, as they face additional tariffs on their exports. This disparity has raised concerns about equity and the need for international cooperation to support developing economies in their green transitions. For many companies,

the cost of complying with CBAM regulations is substantial, prompting them to rethink their supply chains and explore sustainable production alternatives.

EFFECTS ON GLOBAL TRADE FLOWS

The introduction of CBAMs is beginning to reshape global trade flows, particularly by influencing sourcing decisions and market competitiveness. Companies exporting to the EU are adjusting their strategies to account for the additional costs imposed by CBAMs. Some businesses are shifting production to regions with cleaner energy sources or adopting environmentally-friendly practices to reduce carbon tariffs. The result is a reorganization of supply chains, with increased demand for low-carbon goods and services.

Moreover, CBAMs create an incentive for exporting countries to establish their own carbon pricing mechanisms, potentially leading to a more harmonized global approach to carbon regulation. Countries without stringent climate policies risk losing market access or facing higher costs when exporting to regions that enforce CBAMs. This development could accelerate the adoption of carbon pricing in countries that have previously resisted stringent climate policies. However, the risk of trade conflicts remains, as countries question the fairness of CBAMs and the compatibility of these mechanisms with World Trade Organization (WTO) rules.

CHALLENGES AND CRITICISMS OF CBAMS

Despite their potential benefits, CBAMs face criticism on several fronts. First, developing countries argue that these mechanisms disproportionately impact their economies, as they lack access to advanced green technologies and often rely on carbon-intensive industries for economic growth. The additional tariffs placed on exports from these countries could hamper their ability to compete in international markets, exacerbating economic inequalities. This has led to calls for exemptions or financial assistance to support developing nations in adopting greener production methods.

Additionally, some critics contend that CBAMs may violate WTO principles of non-discrimination by effectively penalizing countries based on their domestic environmental policies. Trade partners have expressed concerns that CBAMs could create trade barriers under the guise of climate action, sparking disputes at the WTO. The EU has attempted to address these concerns by designing its CBAM in compliance with WTO rules, but the potential for trade friction remains.

Another challenge lies in accurately measuring the carbon content of imported goods, particularly for complex supply chains that span multiple countries. Ensuring transparency and preventing fraud requires robust monitoring and reporting systems. Developing these systems is both costly and logistically challenging, but it is essential for the credibility and effectiveness

Disclaimer:

This document is for informational purposes only and does not reflect the views of the International Trade Council, its Board of Directors, or its members. It should not be considered as legal or financial advice.

ITC Website: www.tradecouncil.org

Supply Chain News: www.supplychainreport.org

Business Confidence Survey: www.businessconfidence.org

ADAMftd Global Trade Data: www.adamftd.com

info@tradecouncil.org ✉

The International Trade Council 

[TheInternationalTradeCouncil](https://www.TheInternationalTradeCouncil.com) 

[@intradecouncil](https://www.intradecouncil.com) 



INTERNATIONAL
TRADE
COUNCIL

An international, peak-body, chamber of commerce

of CBAMs. The global adoption of standardized carbon reporting methods could help address these issues, but widespread implementation remains a long-term goal.

POTENTIAL FOR GLOBAL CLIMATE ACTION

Despite the challenges, CBAMs hold significant potential to drive global climate action by encouraging industries worldwide to reduce carbon emissions. As more countries implement CBAMs or similar mechanisms, a global carbon pricing landscape could emerge, establishing a foundation for international cooperation on climate policy. By leveling the playing field, CBAMs may reduce the competitive disadvantage faced by companies in regions with strict environmental policies, fostering a fairer and more unified approach to climate action.

The success of CBAMs will depend on international collaboration, particularly in supporting developing countries in their green transitions. Providing financial and technical assistance to these nations can help ensure that the benefits of CBAMs are widely shared and that no country is unfairly disadvantaged. Additionally, as industries adjust to the new carbon-based tariffs, innovation in low-carbon technologies is likely to accelerate, paving the way for a more sustainable global economy.

RECOMMENDATIONS FOR COMPANIES

- 1. Optimize Pricing Strategies:** Utilize dynamic pricing tools to respond to currency fluctuations and inflation, ensuring competitive pricing in international markets.
- 2. Enhance Supply Chain Resilience:** Diversify suppliers and consider regional distribution centers to reduce shipping costs and minimize the impact of inflation.
- 3. Adopt Eco-Friendly Practices:** Use sustainable packaging and carbon-neutral shipping options to comply with environmental standards and appeal to environmentally conscious consumers.
- 4. Ensure Regulatory Compliance:** Stay updated on international e-commerce regulations, such as the EU's VAT e-commerce package, to avoid penalties and maintain market access.
- 5. Invest in Data Security:** Implement robust data privacy measures to comply with laws like GDPR and to build consumer trust in cross-border transactions.
- 6. Leverage Trade Agreements:** Identify and utilize benefits from trade agreements (e.g., CPTPP) to lower tariffs, simplify compliance, and improve access to new markets.
- 7. Expand Localized Sourcing:** Consider sourcing products or materials locally in key markets to reduce reliance on global shipping and manage costs amid inflation.
- 8. Integrate Advanced Technology:** Use AI, blockchain, and machine learning for logistics optimization, demand forecasting, and supply chain transparency.
- 9. Improve Customer Experience:** Localize websites, accept multiple payment options, and provide localized customer support to better serve international consumers.
- 10. Streamline Tax Compliance:** Set up automated tax reporting systems to manage diverse tax obligations across jurisdictions, especially with varying VAT requirements.
- 11. Build Strategic Partnerships:** Form alliances with local suppliers, logistics companies, and distribution centers to ease market entry and improve service in key regions.
- 12. Monitor Regulatory Changes:** Dedicate resources to track regulatory updates in major markets, including consumer protection, digital trade, and sustainability laws.

RECOMMENDATIONS FOR LEGISLATORS

- 1. Simplify Cross-Border Regulations:** Harmonize tax and customs requirements across countries to reduce compliance complexity for businesses engaged in cross-border e-commerce.
- 2. Promote Digital Infrastructure:** Invest in digital infrastructure, especially in emerging markets, to support reliable and secure e-commerce transactions.
- 3. Enhance Consumer Protection Laws:** Strengthen consumer protection standards to ensure transparency, data security, and fair competition within cross-border e-commerce.
- 4. Support SME Access to Global Markets:** Provide incentives, training, and financial assistance to help small and medium-sized enterprises engage in international e-commerce.
- 5. Encourage Sustainable Practices:** Introduce incentives for companies that adopt eco-friendly practices, such as using sustainable packaging and reducing carbon emissions.
- 6. Create a Centralized Compliance Platform:** Develop a one-stop compliance platform that provides e-commerce businesses with easy access to trade regulations, tariffs, and tax requirements.
- 7. Develop Digital Trade Agreements:** Negotiate agreements focused on digital trade to support seamless cross-border e-commerce and address barriers like data localization laws.
- 8. Implement Flexible VAT Solutions:** Allow companies simplified VAT registration and reporting for cross-border e-commerce, especially for low-value transactions.
- 9. Standardize Data Privacy Laws:** Work towards international agreements on data protection standards, reducing discrepancies that hinder cross-border e-commerce.
- 10. Invest in Cybersecurity Initiatives:** Collaborate with businesses to develop stronger cybersecurity frameworks that safeguard data in cross-border transactions.
- 11. Reduce Tariff Barriers for Digital Goods:** Facilitate access to digital goods by reducing tariffs and regulatory barriers, especially for software, media, and digital services.
- 12. Encourage Digital Payment Adoption:** Support the development and standardization of digital payment systems that facilitate secure, efficient transactions in cross-border e-commerce.

REFERENCES

- ◉ European Commission. (2024). Understanding the EU's Carbon Border Adjustment Mechanism (CBAM). Retrieved from <https://ec.europa.eu>
- ◉ World Trade Organization. (2023). Trade and Climate Change: Addressing Carbon Border Adjustments. Retrieved from <https://www.wto.org>
- ◉ International Energy Agency (IEA). (2024). The Role of Carbon Pricing in a Global Climate Strategy. Retrieved from <https://www.iea.org>
- ◉ United Nations Framework Convention on Climate Change (UNFCCC). (2024). Supporting Developing Nations in the Green Transition. Retrieved from <https://unfccc.int>
- ◉ OECD. (2024). Economic Impacts of Carbon Border Adjustment Mechanisms on Global Trade. Retrieved from <https://www.oecd.org>
- ◉ Carbon Pricing Leadership Coalition (CPLC). (2024). Global Progress on Carbon Pricing Mechanisms and Their Impact on Trade. Retrieved from <https://www.carbonpricingleadership.org>
- ◉ World Bank Group. (2023). State and Trends of Carbon Pricing 2023: Implications for Global Trade and Emissions. Available at <https://www.worldbank.org>
- ◉ International Monetary Fund (IMF). (2024). The Fiscal and Trade Implications of Carbon Border Taxes. Retrieved from <https://www.imf.org>
- ◉ Institute for Climate Economics (I4CE). (2024). Evaluating the Economic Effects of Carbon Border Adjustment Mechanisms in Europe and Beyond. Available at <https://www.i4ce.org>
- ◉ Center for European Reform. (2023). Carbon Border Adjustments: Policy Impact on European Competitiveness and Global Trade Relations. Retrieved from <https://www.cer.eu>
- ◉ International Institute for Sustainable Development (IISD). (2024). Ensuring Fairness in Carbon Border Adjustments for Developing Nations. Available at <https://www.iisd.org>

Disclaimer:

This document is for informational purposes only and does not reflect the views of the International Trade Council, its Board of Directors, or its members. It should not be considered as legal or financial advice.


ITC Website: www.tradecouncil.org

Supply Chain News: www.supplychainreport.org

Business Confidence Survey: www.businessconfidence.org

ADAMftd Global Trade Data: www.adamftd.com

info@tradecouncil.org ✉

The International Trade Council 

TheInternationalTradeCouncil 

@inttradecouncil 



An international, peak-body, chamber of commerce