



Global Scrap Monitor

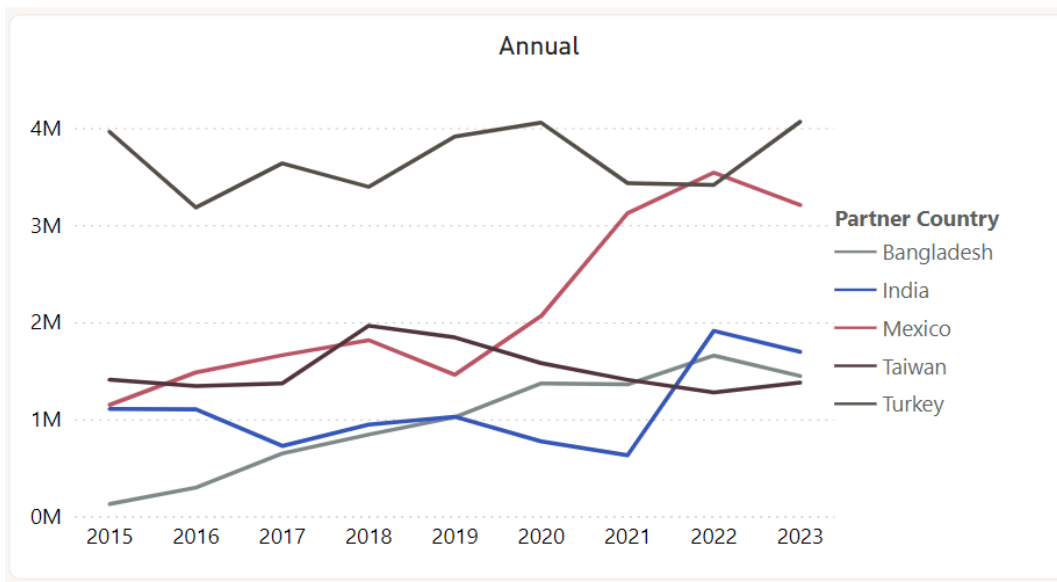
Critical Supply Chain Information

Growing interest in steel and aluminum scrap trade and the critical nature of these supply chains prompted the International Trade Administration develop the [Global Scrap Monitor](#) (GSM) to track aggregate trade flows of steel and aluminum scrap metals. . The GSM provides interactive charts in a readily accessible format on three standard aggregate product categories: Aluminum Scrap, Pig Iron/Direct Reduced Iron, and Steel Scrap based on 6-digit international harmonized tariff schedule classifications.

Steel Scrap and Pig Iron Trade:

According to the American Iron and Steel Institute, U.S. steelmaking furnaces consume nearly 70 million tons of steel scrap annually. This demand will continue to increase as efforts to decarbonize intensify. An understanding of global supply chains is essential for securing access to these critical materials. GSM also covers trade flows of pig iron and direct reduced iron for nearly 70 reporting markets.

The **top five destinations for U.S. exports of steel scrap by volume** in 2023 were Türkiye, Mexico, India, Bangladesh, and Taiwan. Also, the largest global importers of steel scrap in 2023 were Türkiye, India, Italy, the United States, and Belgium.



Source: U.S. Department of Commerce, Enforcement and Compliance. Public trade data from S&P Global Inc. Last updated on March 21, 2024 with January 2024 data.





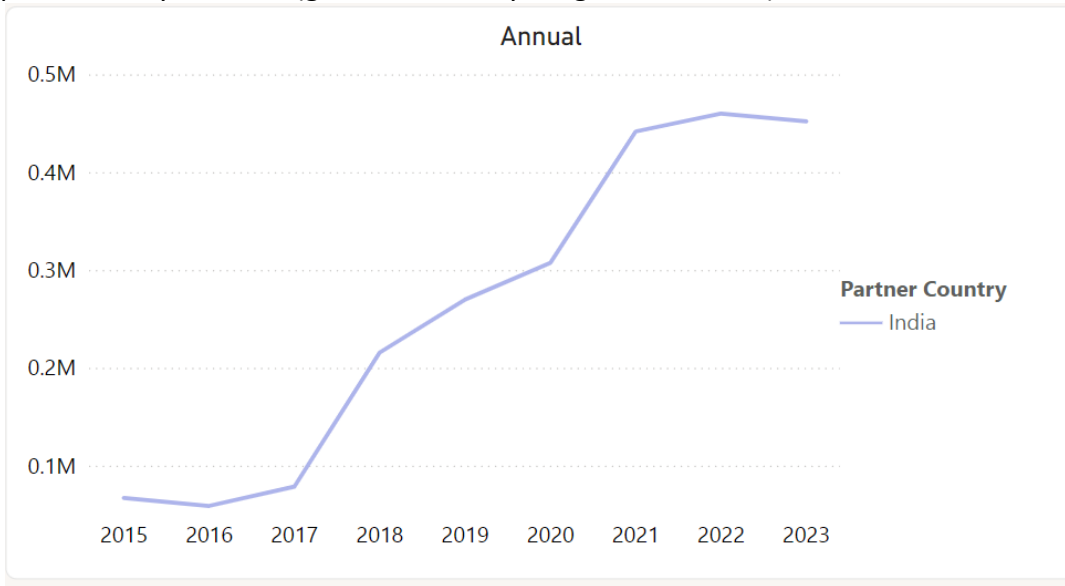
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Aluminum Scrap Trade:

While primary aluminum production remains a vital part of the American aluminum supply chain, more than 80% of the United States aluminum industry relies on secondary aluminum production. Secondary aluminum is often more economical and requires significantly less energy in the manufacturing process.

From a global perspective, the U.S. produces more recycled aluminum than any single country besides China. The top sources for **U.S. imports of aluminum scrap** in 2023 by value are Canada, Mexico, Germany, Guatemala, and Colombia; the top destinations for **U.S. exports of aluminum scrap** in 2023 were India, Malaysia, South Korea, Thailand, and Mexico.

The GSM serves as a tool to track trade shifts in any emerging markets of interest. For example, in 2021, U.S. exports of aluminum scrap to India skyrocketed (given historically insignificant levels) and have remained at historical highs.



Source: U.S. Department of Commerce, Enforcement and Compliance. Public trade data from S&P Global Inc. Last updated on March 21, 2024 with January 2024 data.

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