



**2023**  
World Steel  
in Figures

## Contents

### INTRODUCTION

- 3 Foreword
- 4 worldsteel's sustainability journey

### CRUDE STEEL PRODUCTION

- 7 World crude steel production, 1950 to 2022
- 8 Top steel-producing companies, 2022
- 9 Major steel-producing countries, 2021 and 2022
- 10 Crude steel production by process, 2022
- 11 Continuously-cast steel output, 2020 to 2022
- 12 Monthly crude steel production, 2019 to 2022

### STEEL USE

- 14 Steel production and use: geographical distribution, 2012
- 15 Steel production and use: geographical distribution, 2022
- 16 Apparent steel use, 2018 to 2022
- 17 Apparent steel use per capita, 2018 to 2022

### RAW MATERIALS

- 18 Pig iron, 2021 and 2022
- 19 Direct reduced iron production, 2018 to 2022
- 20 Iron ore, 2021
- 21 World trade in iron ore by area, 2022
- 22 Trade in ferrous scrap, 2021 and 2022
- 23 World trade in ferrous scrap by area, 2022

### TRADE

- 24 World trade in steel products, 1975 to 2022
- 24 World volume of trade, 2000 to 2022
- 25 World steel exports by product, 2018 to 2022
- 26 World steel trade by area, 2022
- 27 Major importers and exporters of steel, 2022

### INDIRECT TRADE

- 28 Indirect trade in steel, 2001 to 2019
- 28 Major indirect importers and exporters of steel, 2019
- 29 True steel use, 2015 to 2019
- 29 Apparent and true steel use per capita, 2019

### STEEL MARKETS

- 30 Steel use by sector, 2022

For terminology definitions, please refer to our glossary at [worldsteel.org/about-steel/glossary](https://worldsteel.org/about-steel/glossary). For details on the notation used in this publication, please refer to page 31.  
Data finalised 18 May 2023.

## Foreword

The long-term sustainability of the steel industry has always been a priority for the World Steel Association and our members.

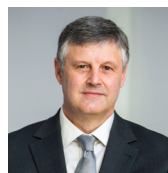
Back in 1972 we published our first environmental policy and standards statement and since then we have been continuously updating our commitments to incorporate the stringent requirements coming from our customers and wider society. We use an increasingly broad definition of sustainability, focusing not just on care of the environment, but also including safety and health, education and training, ethical and transparent governance, and other elements of sustainability.

Today, delivering the significant emissions reductions that the framework of the Paris Agreement requires at a time when production of steel is increasing across the world will require all of us in the industry to create and deploy radically different steelmaking technologies with great speed, and to develop markets in which our low-carbon steel products are commercially viable.

As part of our sustainability journey this year we will be hosting two events for the steel value chain, our second Open Forum and our inaugural Breakthrough Technology Conference. By engaging the wider steel community we hope to accelerate the decarbonisation of our own industry and strengthen steel's position as the material of choice enabling other sectors to meet their own decarbonisation targets.

World Steel in Figures provides a snapshot of the dynamics of the global steel industry in 2022, which I hope you will find interesting. Please don't hesitate to contact us via [worldsteel.org](https://worldsteel.org) with any questions or comments.

Best wishes,



**Dr Edwin Basson**  
Director General

## worldsteel's sustainability journey

**1967**

International Iron and Steel Institute (IISI) was founded.

**1972**

Policy statement on the environment adopted.

**1977**

IISI's environment committee (ENCO) assists the United Nations Environment Programme (UNEP) in preparing a seminar on Environment and the Steel Industry.

**1985**

ENCO participates in the first meeting of UNEP Consultative Committee.

**1978**

ENCO formalises contact with the WHO's health criteria programme.

**1993**

First Sustainable Development Policy published.

**1995**

Policy statement on LCA adopted and first life cycle inventory collection launched.

**2003**

steeluniversity, online learning and training programme, launched.

**1999**

Safety programme launched.

**1996**

Policy statement on climate change agreed.

**2004**

11 Sustainability Indicators introduced, contributing to first sustainability report in 2005.

**2006**

Safety and health guiding principles published.

**2009**

First Sustainability Charter published.

**2008**

Annual CO<sub>2</sub> data collection programme launched.

**2008**

IISI renamed World Steel Association (worldsteel).

**2010**

Annual Steelie Awards launched.

**2012**

Upgraded online benchmarking system covering CO<sub>2</sub>, energy, maintenance, yields, safety, and sustainability indicators.

**2018**

Sustainability Champions programme launched.

Steel supply chain project launched.

**2014**

Annual Safety Day Campaign launched, reinforcing awareness of the main causes of safety incidents.

**2019**

Step Up, a multi-step operational efficiency improvement programme, launched.

**2022**

Updated Sustainability Charter now signed by 40 organisations.

**2021**

Updated life cycle inventory data for 17 products published.

**2021**

New Sustainability Principles issued.

**2023**

Second Open Forum to be held on 12-13 September in Antwerp, Belgium.

**2023**

First Breakthrough Technology Conference organised on 5-6 December, Abu Dhabi, UAE.

Find out more about these events on the next page.

## Sustainability programmes planned for 2023

Since 2022, worldsteel has embarked on a new journey to improve dialogue and collaboration between the steel industry's many stakeholders to share ideas and find solutions to reduce CO<sub>2</sub> emissions in the immediate term, as well as speed up transition through bridge and breakthrough technologies in the intermediate and long term horizon of 2040-50. This dialogue spans both aspects – steelmaking technology development and enabling conditions such as policy and input material availability.

Two events focusing on dialogue and collaboration are planned:

### Open Forum 2023 | 12-13 September 2023 | Belgium

Building on the success of our inaugural event held in 2022, we once again aim to reach beyond steelmakers to engage with stakeholders in the steelmaking ecosystem, including equipment manufacturers, suppliers, related industries, international bodies, financial institutions and academia.

The event will focus the discussion on the following topics: climate policy implementation, financing the transition, raw material requirements, energy availability, steel-using sectors and chain of custody.

For more details, contact Åsa Ekdahl, Head, Environment and Climate Change, worldsteel (ekdahl@worldsteel.org).

### Breakthrough Technology Conference 2023 | 5-6 December 2023 | UAE

This event aims to facilitate an open and constructive dialogue between researchers and engineers from within the steel industry ecosystem active in developing low-CO<sub>2</sub> emission iron and steelmaking technologies. The conference will provide a platform to network, engage and exchange knowledge throughout the steel value chain.

Our inaugural breakthrough technology conference will expand discussions to cover a broad range of topics directly related to the transition. These will include hydrogen utilisation (reduction, BF injection, heating), CCUS, use of alternative carbon sources, electrification (EAF, electrolysis, heating), scrap, efficiency and other cross-cutting issues.

For more details, contact Rizwan Janjua, Head, Technology, worldsteel (janjua@worldsteel.org).

**Our industry fully supports the aims of the Paris Agreement.**

## World crude steel production 1950 to 2022

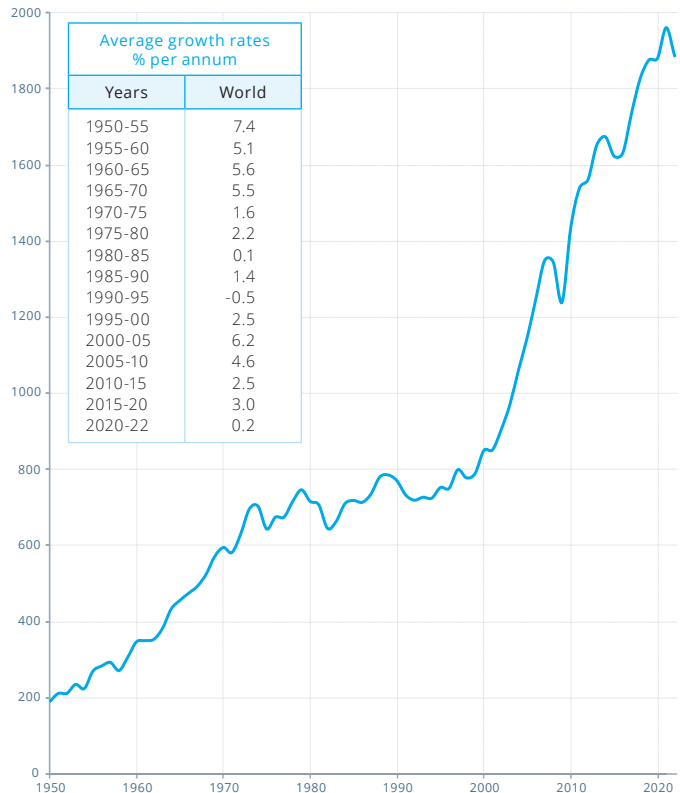
million tonnes, crude steel production

| Years | World |
|-------|-------|
| 1950  | 189   |
| 1955  | 270   |
| 1960  | 347   |
| 1965  | 456   |
| 1970  | 595   |
| 1975  | 644   |
| 1980  | 717   |
| 1985  | 719   |
| 1990  | 770   |
| 1995  | 753   |
| 2000  | 850   |

| Years | World |
|-------|-------|
| 2001  | 852   |
| 2002  | 905   |
| 2003  | 971   |
| 2004  | 1 063 |
| 2005  | 1 148 |
| 2006  | 1 250 |
| 2007  | 1 350 |
| 2008  | 1 345 |
| 2009  | 1 241 |
| 2010  | 1 435 |
| 2011  | 1 540 |

| Years | World |
|-------|-------|
| 2012  | 1 563 |
| 2013  | 1 653 |
| 2014  | 1 675 |
| 2015  | 1 624 |
| 2016  | 1 633 |
| 2017  | 1 737 |
| 2018  | 1 828 |
| 2019  | 1 877 |
| 2020  | 1 882 |
| 2021  | 1 962 |
| 2022  | 1 885 |

million tonnes, crude steel production



## Top 50 steel-producing companies 2022

million tonnes, crude steel production

| Rank | Company                                 | Tonnage              | Rank | Company                 | Tonnage              |
|------|---|----------------------|------|-------------------------|----------------------|
| 1    | China Baowu Group <sup>(1)</sup>        | 131.84               | 26   | Techint Group           | 14.86                |
| 2    | ArcelorMittal <sup>(2)</sup>            | 68.89                | 27   | U. S. Steel             | 14.49                |
| 3    | Ansteel Group <sup>(3)</sup>            | 55.65                | 28   | Shenglong Metallurgical | 14.21                |
| 4    | Nippon Steel Corporation <sup>(4)</sup> | 44.37                | 29   | Baotou Steel            | 14.18                |
| 5    | Shagang Group                           | 41.45                | 30   | Jingye Group            | 13.97                |
| 6    | HBIS Group                              | 41.00                | 31   | China Steel Corporation | 13.96                |
| 7    | POSCO Holdings                          | 38.64                | 32   | Sinogiant Group         | 13.95                |
| 8    | Jianlong Group                          | 36.56                | 33   | Tsingshan Holding       | 13.92                |
| 9    | Shougang Group                          | 33.82                | 34   | Gerdau S.A.             | 13.90                |
| 10   | Tata Steel                              | 30.18                | 35   | EVRAZ                   | 12.50 <sup>(e)</sup> |
| 11   | Shandong Steel Group                    | 29.42                | 36   | Zenith Steel            | 12.23                |
| 12   | Delong Steel                            | 27.90                | 37   | Shaanxi Steel           | 12.17                |
| 13   | Hunan Steel Group <sup>(5)</sup>        | 26.43                | 38   | MMK                     | 11.69                |
| 14   | JFE Steel Corporation                   | 26.20                | 39   | Anyang Steel            | 11.18                |
| 15   | JSW Steel Limited                       | 23.38                | 40   | Sanming Steel           | 11.03                |
| 16   | Nucor Corporation                       | 20.60                | 41   | Nanjing Steel           | 11.00                |
| 17   | Fangda Steel                            | 19.70                | 42   | Severstal               | 10.69                |
| 18   | Hyundai Steel                           | 18.77                | 43   | thyssenkrupp            | 9.93                 |
| 19   | Liuzhou Steel                           | 18.21                | 44   | Steel Dynamics, Inc.    | 9.73                 |
| 20   | IMIDRO <sup>(6)</sup>                   | 18.00 <sup>(e)</sup> | 45   | Donghai Special Steel   | 9.65                 |
| 21   | SAIL                                    | 17.93                | 46   | Jiuquan Steel           | 9.01                 |
| 22   | Cleveland-Cliffs                        | 16.80                | 47   | Jindal Steel and Power  | 8.01                 |
| 23   | NLMK                                    | 16.00 <sup>(e)</sup> | 48   | Erdemir Group           | 7.79                 |
| 24   | Rizhao Steel                            | 15.63                | 49   | Jinxi Steel             | 7.43                 |
| 25   | CITIC Pacific                           | 15.03                | 50   | voestalpine Group       | 7.42                 |

<sup>(e)</sup> = estimate

<sup>(1)</sup> Includes tonnage of Xinyu Steel

<sup>(2)</sup> Includes 60% AM/NS India (former Essar Steel)

<sup>(3)</sup> Includes tonnage of Benxi Steel

<sup>(4)</sup> Includes Nippon Steel Stainless Steel Corporation, Sanyo Special Steel, Ovako, 40% AM/NS India and 31.4% USIMINAS

<sup>(5)</sup> Former Valin Group

<sup>(6)</sup> Estimated combined tonnage of Mobarakeh Steel, Esfahan Steel, Khuzestan Steel and NISCO

### Notes on company ownership and tonnage calculations:

For worldsteel members, the data was sourced from their official tonnage declarations. For Chinese companies, the official CISA tonnage publication was used, unless especially noted. In case of more than 50% ownership, 100% of the subsidiary's tonnage is included, unless specified otherwise. In cases of 30%-50% ownership, pro-rata tonnage is included. Unless otherwise specified in the declaration, less than 30% ownership is considered a minority and therefore, not included. Figures represent ownership ending 31 December 2022.

## Major steel-producing countries 2021 and 2022

million tonnes, crude steel production

| Country                     | 2022 |         | 2021 |         |
|-----------------------------|------|---------|------|---------|
|                             | Rank | Tonnage | Rank | Tonnage |
| China                       | 1    | 1 018.0 | 1    | 1 035.2 |
| India                       | 2    | 125.3   | 2    | 118.2   |
| Japan                       | 3    | 89.2    | 3    | 96.3    |
| United States               | 4    | 80.5    | 4    | 85.8    |
| Russia                      | 5    | 71.5    | 5    | 77.0    |
| South Korea                 | 6    | 65.8    | 6    | 70.4    |
| Germany                     | 7    | 36.8    | 8    | 40.2    |
| Türkiye                     | 8    | 35.1    | 7    | 40.4    |
| Brazil                      | 9    | 34.1    | 9    | 36.1    |
| Iran                        | 10   | 30.6    | 10   | 28.3    |
| Italy                       | 11   | 21.6    | 11   | 24.4    |
| Taiwan, China               | 12   | 20.8    | 12   | 23.2    |
| Viet Nam                    | 13   | 20.0    | 13   | 23.0    |
| Mexico                      | 14   | 18.1    | 15   | 18.5    |
| Indonesia <sup>(e)</sup>    | 15   | 15.6    | 16   | 14.8    |
| France                      | 16   | 12.1    | 18   | 13.9    |
| Canada                      | 17   | 12.1    | 19   | 13.0    |
| Spain                       | 18   | 11.5    | 17   | 14.2    |
| Malaysia <sup>(e)</sup>     | 19   | 10.0    | 21   | 9.1     |
| Egypt                       | 20   | 9.8     | 20   | 10.3    |
| Saudi Arabia <sup>(e)</sup> | 21   | 9.1     | 22   | 8.7     |
| Austria                     | 22   | 7.5     | 24   | 7.9     |
| Poland                      | 23   | 7.4     | 23   | 8.5     |
| Belgium                     | 24   | 7.0     | 26   | 6.9     |
| Ukraine                     | 25   | 6.3     | 14   | 21.4    |
| Netherlands                 | 26   | 6.1     | 27   | 6.6     |
| Pakistan                    | 27   | 6.0     | 31   | 5.4     |
| United Kingdom              | 28   | 6.0     | 25   | 7.2     |
| Australia                   | 29   | 5.7     | 28   | 5.8     |
| Thailand                    | 30   | 5.3     | 30   | 5.5     |
| Bangladesh <sup>(e)</sup>   | 31   | 5.2     | 29   | 5.5     |
| Argentina                   | 32   | 5.1     | 33   | 4.9     |
| Sweden                      | 33   | 4.4     | 36   | 4.7     |
| South Africa <sup>(e)</sup> | 34   | 4.4     | 32   | 5.0     |
| Czechia                     | 35   | 4.3     | 35   | 4.8     |
| Kazakhstan                  | 36   | 4.1     | 37   | 4.5     |
| Slovakia                    | 37   | 3.9     | 34   | 4.9     |
| Finland                     | 38   | 3.5     | 38   | 4.3     |
| Algeria <sup>(e)</sup>      | 39   | 3.5     | 39   | 3.5     |
| United Arab Emirates        | 40   | 3.2     | 41   | 3.0     |
| Oman <sup>(e)</sup>         | 41   | 3.0     | 42   | 2.8     |
| Romania                     | 42   | 2.6     | 40   | 3.4     |
| Belarus <sup>(e)</sup>      | 43   | 2.1     | 43   | 2.5     |
| Luxembourg                  | 44   | 1.9     | 44   | 2.1     |
| Portugal                    | 45   | 1.9     | 45   | 2.0     |
| Serbia                      | 46   | 1.7     | 46   | 1.7     |
| Philippines <sup>(e)</sup>  | 47   | 1.6     | 47   | 1.6     |
| Greece                      | 48   | 1.5     | 48   | 1.5     |
| Colombia                    | 49   | 1.3     | 49   | 1.3     |
| Kuwait <sup>(e)</sup>       | 50   | 1.3     | 51   | 1.3     |
| Others                      |      | 19.9    |      | 20.9    |
| World                       |      | 1 885.4 |      | 1 962.3 |

<sup>(e)</sup> = estimate

## Crude steel production by process 2022

|                                    | Million tonnes | Oxygen % | Electric % | Other % | Total % |
|------------------------------------|----------------|----------|------------|---------|---------|
| Austria                            | 7.5            | 91.0     | 9.0        | -       | 100.0   |
| Belgium <sup>(e)</sup>             | 7.0            | 69.3     | 30.7       | -       | 100.0   |
| Bulgaria                           | 0.5            | -        | 100.0      | -       | 100.0   |
| Croatia                            | 0.2            | -        | 100.0      | -       | 100.0   |
| Czechia                            | 4.3            | 96.1     | 3.9        | -       | 100.0   |
| Finland                            | 3.5            | 56.5     | 43.5       | -       | 100.0   |
| France                             | 12.1           | 67.4     | 32.6       | -       | 100.0   |
| Germany                            | 36.8           | 70.2     | 29.8       | -       | 100.0   |
| Greece                             | 1.5            | -        | 100.0      | -       | 100.0   |
| Hungary                            | 0.9            | 68.9     | 31.1       | -       | 100.0   |
| Italy <sup>(e)</sup>               | 21.6           | 16.0     | 84.0       | -       | 100.0   |
| Luxembourg                         | 1.9            | -        | 100.0      | -       | 100.0   |
| Netherlands                        | 6.1            | 100.0    | -          | -       | 100.0   |
| Poland                             | 7.4            | 46.6     | 53.4       | -       | 100.0   |
| Portugal                           | 1.9            | -        | 100.0      | -       | 100.0   |
| Romania <sup>(e)</sup>             | 2.6            | 62.7     | 37.3       | -       | 100.0   |
| Slovakia <sup>(e)</sup>            | 3.9            | 78.9     | 21.1       | -       | 100.0   |
| Slovenia                           | 0.6            | -        | 100.0      | -       | 100.0   |
| Spain                              | 11.5           | 32.0     | 68.0       | -       | 100.0   |
| Sweden                             | 4.4            | 65.2     | 34.8       | -       | 100.0   |
| European Union (27)                | 136.3          | 56.3     | 43.7       | -       | 100.0   |
| Türkiye                            | 35.1           | 28.5     | 71.5       | -       | 100.0   |
| United Kingdom                     | 6.0            | 80.9     | 19.1       | -       | 100.0   |
| Others <sup>(e)</sup>              | 4.7            | 45.4     | 54.6       | -       | 100.0   |
| Other Europe                       | 45.8           | 37.1     | 62.9       | -       | 100.0   |
| Russia                             | 71.5           | 65.0     | 33.1       | 1.9     | 100.0   |
| Ukraine                            | 6.3            | 65.5     | 10.6       | 23.9    | 100.0   |
| Other CIS <sup>(e)</sup>           | 8.1            | 50.4     | 49.6       | -       | 100.0   |
| Russia & other CIS + Ukraine       | 85.8           | 63.7     | 33.0       | 3.3     | 100.0   |
| Canada <sup>(e)</sup>              | 12.1           | 53.9     | 46.1       | -       | 100.0   |
| Mexico                             | 18.1           | 14.6     | 85.4       | -       | 100.0   |
| United States <sup>(e)</sup>       | 80.5           | 31.0     | 69.0       | -       | 100.0   |
| Other North America <sup>(e)</sup> | 0.6            | -        | 100.0      | -       | 100.0   |
| North America                      | 111.3          | 30.7     | 69.3       | -       | 100.0   |
| Argentina                          | 5.1            | 44.6     | 55.4       | -       | 100.0   |
| Brazil                             | 34.1           | 75.1     | 23.8       | 1.1     | 100.0   |
| Chile                              | 1.2            | 60.9     | 39.1       | -       | 100.0   |
| Venezuela                          | 0.0            | -        | 100.0      | -       | 100.0   |
| Other South America <sup>(e)</sup> | 3.0            | 8.4      | 91.6       | -       | 100.0   |
| South America                      | 43.4           | 66.4     | 32.7       | 0.9     | 100.0   |
| Egypt                              | 9.8            | -        | 100.0      | -       | 100.0   |
| South Africa <sup>(e)</sup>        | 4.4            | 52.5     | 47.5       | -       | 100.0   |
| Other Africa <sup>(e)</sup>        | 6.9            | 7.3      | 92.7       | 0.1     | 100.0   |
| Africa                             | 21.1           | 13.3     | 86.7       | 0.0     | 100.0   |
| Iran <sup>(e)</sup>                | 30.6           | 8.2      | 91.8       | -       | 100.0   |
| Saudi Arabia                       | 9.1            | -        | 100.0      | -       | 100.0   |
| Other Middle East <sup>(e)</sup>   | 10.7           | -        | 100.0      | -       | 100.0   |
| Middle East                        | 50.4           | 5.0      | 95.0       | -       | 100.0   |
| China <sup>(e)</sup>               | 1 018.0        | 90.5     | 9.5        | -       | 100.0   |
| India                              | 125.3          | 45.8     | 54.2       | -       | 100.0   |
| Japan                              | 89.2           | 73.3     | 26.7       | -       | 100.0   |
| South Korea                        | 65.8           | 68.5     | 31.5       | -       | 100.0   |
| Taiwan, China                      | 20.8           | 59.7     | 40.3       | -       | 100.0   |
| Other Asia <sup>(e)</sup>          | 64.7           | 36.0     | 58.5       | 5.5     | 100.0   |
| Asia                               | 1 383.8        | 81.3     | 18.4       | 0.3     | 100.0   |
| Australia                          | 5.7            | 73.5     | 26.5       | -       | 100.0   |
| New Zealand                        | 0.6            | 100.0    | -          | -       | 100.0   |
| Total of above countries           | 1 884.2        | 71.5     | 28.2       | 0.4     | 100.0   |

The countries in this table accounted for approximately 99.9% of world crude steel production in 2022. e- estimate

## Continuously-cast steel output 2020 to 2022

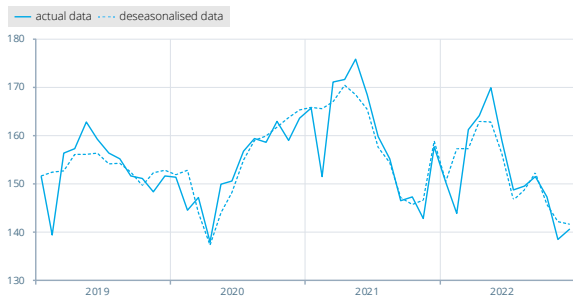
|                                    | Million tonnes |         |         | % Crude steel output |       |       |
|------------------------------------|----------------|---------|---------|----------------------|-------|-------|
|                                    | 2020           | 2021    | 2022    | 2020                 | 2021  | 2022  |
| Austria <sup>(e)</sup>             | 6.5            | 7.6     | 7.2     | 96.1                 | 96.4  | 96.4  |
| Belgium                            | 6.1            | 6.9     | 7.0     | 100.0                | 100.0 | 100.0 |
| Bulgaria                           | 0.5            | 0.5     | 0.5     | 100.0                | 100.0 | 100.0 |
| Croatia                            | 0.0            | 0.2     | 0.2     | 100.0                | 100.0 | 100.0 |
| Czechia                            | 4.3            | 4.7     | 4.2     | 96.5                 | 96.5  | 97.5  |
| Finland                            | 3.5            | 4.3     | 3.5     | 99.5                 | 99.6  | 99.5  |
| France <sup>(e)</sup>              | 11.3           | 13.6    | 11.8    | 97.5                 | 97.5  | 97.5  |
| Germany <sup>(e)</sup>             | 34.8           | 39.2    | 35.9    | 97.7                 | 97.5  | 97.5  |
| Greece                             | 1.4            | 1.5     | 1.5     | 100.0                | 100.0 | 100.0 |
| Hungary                            | 1.5            | 1.1     | 0.9     | 100.0                | 100.0 | 100.0 |
| Italy <sup>(e)</sup>               | 19.3           | 23.2    | 20.5    | 94.7                 | 95.2  | 94.9  |
| Luxembourg                         | 1.9            | 2.1     | 1.9     | 100.0                | 100.0 | 100.0 |
| Netherlands                        | 6.1            | 6.6     | 6.1     | 100.0                | 100.0 | 100.0 |
| Poland                             | 7.7            | 8.3     | 7.3     | 98.4                 | 98.4  | 98.3  |
| Portugal                           | 2.2            | 2.0     | 1.9     | 100.0                | 100.0 | 100.0 |
| Romania <sup>(e)</sup>             | 2.7            | 3.3     | 2.6     | 97.7                 | 97.8  | 97.3  |
| Slovakia <sup>(e)</sup>            | 3.4            | 4.9     | 3.9     | 100.0                | 100.0 | 100.0 |
| Slovenia                           | 0.5            | 0.5     | 0.5     | 80.4                 | 81.6  | 80.9  |
| Spain                              | 10.9           | 14.0    | 11.4    | 99.3                 | 98.6  | 98.8  |
| Sweden <sup>(e)</sup>              | 3.7            | 3.9     | 3.7     | 83.0                 | 82.9  | 83.0  |
| European Union (27)                | 128.4          | 148.4   | 132.3   | 97.1                 | 97.2  | 97.1  |
| Türkiye                            | 35.8           | 40.4    | 35.1    | 100.0                | 100.0 | 100.0 |
| United Kingdom                     | 7.0            | 7.2     | 5.9     | 99.1                 | 99.5  | 99.5  |
| Others <sup>(e)</sup>              | 4.2            | 4.7     | 4.7     | 99.5                 | 99.9  | 99.9  |
| Other Europe                       | 47.0           | 52.2    | 45.8    | 99.8                 | 99.9  | 99.9  |
| Russia <sup>(e)</sup>              | 59.1           | 49.6    | 47.3    | 82.5                 | 64.4  | 66.2  |
| Ukraine                            | 13.6           | 14.1    | 4.7     | 66.2                 | 66.2  | 75.2  |
| Other CIS                          | 7.9            | 8.8     | 8.0     | 98.6                 | 99.3  | 99.3  |
| Russia & other CIS + Ukraine       | 80.6           | 72.6    | 60.0    | 80.4                 | 67.7  | 70.0  |
| Canada <sup>(e)</sup>              | 8.6            | 10.1    | 9.4     | 78.1                 | 78.1  | 78.0  |
| Mexico                             | 16.8           | 18.5    | 18.1    | 100.0                | 100.0 | 100.0 |
| United States                      | 72.6           | 85.6    | 80.3    | 99.8                 | 99.8  | 99.7  |
| Other North America <sup>(e)</sup> | 0.5            | 0.6     | 0.6     | 100.0                | 100.0 | 100.0 |
| North America                      | 98.5           | 114.8   | 108.5   | 97.5                 | 97.4  | 97.4  |
| Argentina                          | 3.6            | 4.9     | 5.1     | 99.6                 | 99.7  | 99.7  |
| Brazil                             | 30.8           | 35.3    | 33.1    | 98.1                 | 97.8  | 97.5  |
| Chile                              | 1.2            | 1.3     | 1.2     | 100.0                | 100.0 | 100.0 |
| Venezuela                          | 0.0            | 0.0     | 0.0     | 100.0                | 100.0 | 100.0 |
| Other South America <sup>(e)</sup> | 2.4            | 3.3     | 3.0     | 100.0                | 100.0 | 100.0 |
| South America                      | 38.1           | 44.8    | 42.4    | 98.4                 | 98.2  | 98.0  |
| Egypt                              | 8.2            | 10.3    | 9.8     | 100.0                | 100.0 | 100.0 |
| South Africa                       | 3.9            | 5.0     | 4.4     | 100.0                | 100.0 | 100.0 |
| Other Africa <sup>(e)</sup>        | 6.0            | 7.0     | 6.9     | 99.9                 | 99.9  | 99.9  |
| Africa                             | 18.1           | 22.3    | 21.1    | 100.0                | 100.0 | 100.0 |
| Iran <sup>(e)</sup>                | 29.0           | 28.3    | 30.6    | 100.0                | 100.0 | 100.0 |
| Saudi Arabia                       | 7.8            | 8.7     | 9.1     | 100.0                | 100.0 | 100.0 |
| Other Middle East <sup>(e)</sup>   | 9.6            | 10.2    | 10.7    | 99.9                 | 100.0 | 100.0 |
| Middle East                        | 46.4           | 47.3    | 50.4    | 100.0                | 100.0 | 100.0 |
| China <sup>(e)</sup>               | 1 049.4        | 1 019.0 | 1 001.9 | 98.6                 | 98.4  | 98.4  |
| India                              | 87.2           | 110.2   | 117.2   | 87.0                 | 93.2  | 93.7  |
| Japan <sup>(e)</sup>               | 82.4           | 95.4    | 88.4    | 99.0                 | 99.0  | 99.0  |
| South Korea                        | 66.2           | 69.4    | 64.7    | 98.7                 | 98.6  | 98.2  |
| Taiwan, China                      | 21.0           | 23.1    | 20.8    | 100.0                | 99.6  | 100.0 |
| Other Asia <sup>(e)</sup>          | 54.9           | 65.9    | 64.7    | 100.0                | 100.0 | 100.0 |
| Asia                               | 1 361.0        | 1 383.1 | 1 357.6 | 97.8                 | 98.1  | 98.1  |
| Australia                          | 5.5            | 5.8     | 5.7     | 100.0                | 100.0 | 100.0 |
| New Zealand                        | 0.6            | 0.6     | 0.6     | 100.0                | 100.0 | 100.0 |
| Total of above countries           | 1 824.1        | 1 891.9 | 1 824.3 | 97.0                 | 96.5  | 96.8  |

The countries in this table accounted for approximately 99.9% of world crude steel production in 2022. e- estimate

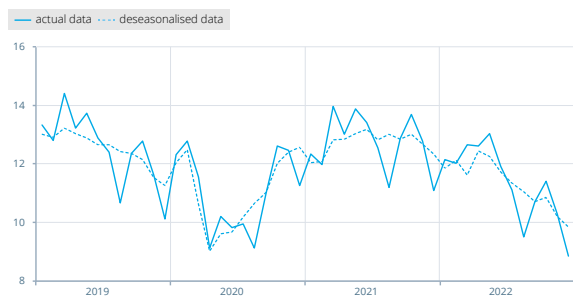
# Monthly crude steel production 2019 to 2022

million tonnes

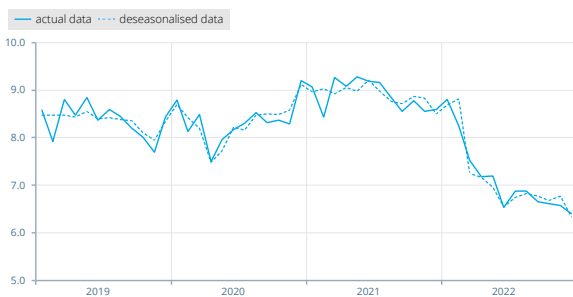
**Total 64 reporting countries\***



**European Union (27)**



**Russia and other CIS + Ukraine**



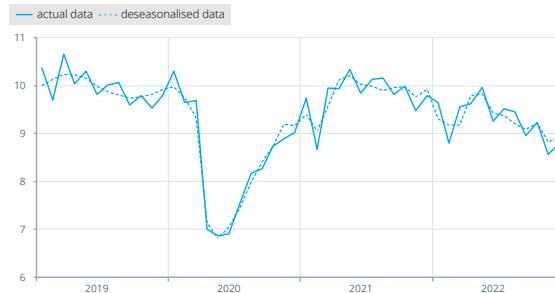
**\*The 64 reporting countries:**

Argentina, Australia, Austria, Belgium, Bosnia-Herzegovina, Brazil, Bulgaria, Belarus, Canada, Chile, China, Colombia, Croatia, Cuba, Czechia, Ecuador, Egypt, El Salvador, Finland, France, Germany, Greece, Guatemala, Hungary, India, Iran, Italy, Japan, Kazakhstan, Libya, Luxembourg, Macedonia, Mexico, Moldova, Netherlands, New Zealand, Norway, Pakistan, Paraguay, Peru, Poland, Portugal, Qatar, Romania, Russia, Saudi Arabia, Serbia, Slovakia, Slovenia, South Africa, South Korea, Spain, Sweden, Taiwan, Thailand, Türkiye, Ukraine, United Arab Emirates, United Kingdom, United States, Uruguay, Uzbekistan, Venezuela, and Viet Nam.

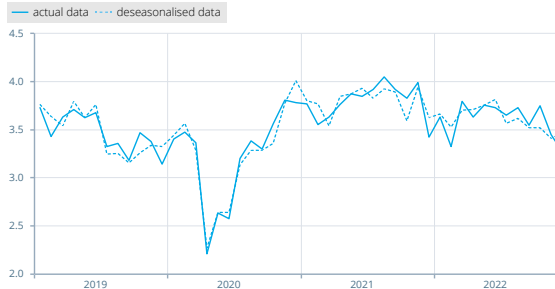
In 2022, these 64 countries accounted for approximately 97% of world crude steel production.

million tonnes

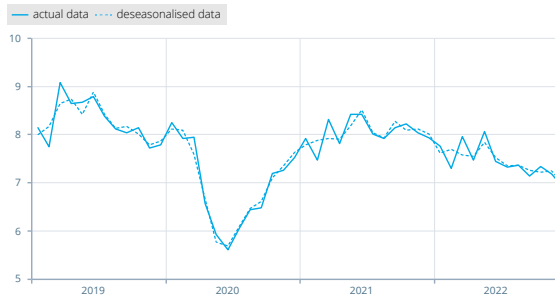
**North America**



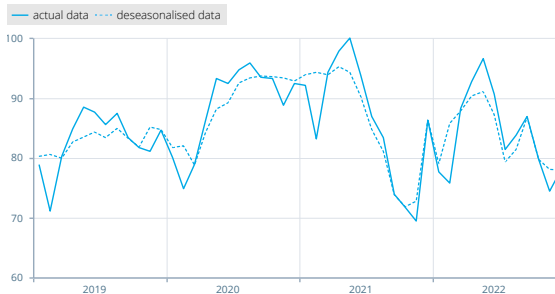
**South America**



**Japan**



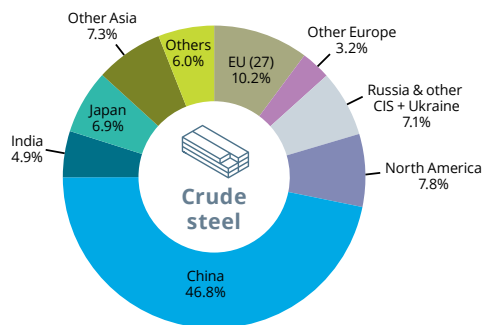
**China**



## Steel production and use: geographical distribution, 2012

### Crude steel production

World total: 1 563 million tonnes



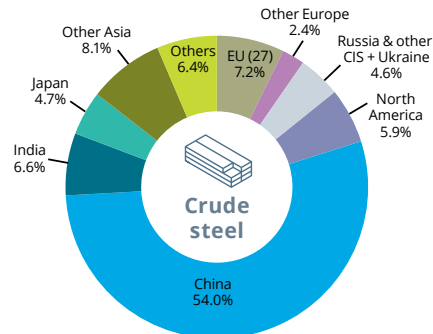
Others comprise:

|             |      |                           |      |
|-------------|------|---------------------------|------|
| Africa      | 1.0% | South America             | 3.0% |
| Middle East | 1.6% | Australia and New Zealand | 0.4% |

## Steel production and use: geographical distribution, 2022

### Crude steel production

World total: 1 885 million tonnes

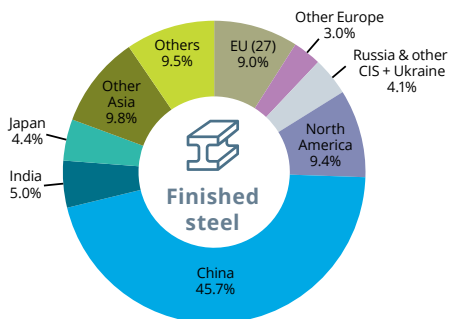


Others comprise:

|             |      |                           |      |
|-------------|------|---------------------------|------|
| Africa      | 1.1% | South America             | 2.3% |
| Middle East | 2.7% | Australia and New Zealand | 0.3% |

### Apparent steel use (finished steel products)

World total: 1 445 million tonnes

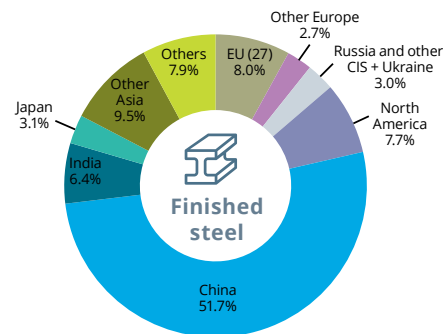


Others comprise:

|             |      |                           |      |
|-------------|------|---------------------------|------|
| Africa      | 2.3% | South America             | 3.2% |
| Middle East | 3.5% | Australia and New Zealand | 0.5% |

### Apparent steel use (finished steel products)

World total: 1 781 million tonnes



Others comprise:

|             |      |                           |      |
|-------------|------|---------------------------|------|
| Africa      | 2.3% | South America             | 2.3% |
| Middle East | 2.9% | Australia and New Zealand | 0.4% |



## Apparent steel use 2018 to 2022

million tonnes, finished steel products

|                             | 2018    | 2019    | 2020    | 2021    | 2022    |
|-----------------------------|---------|---------|---------|---------|---------|
| Austria                     | 4.2     | 4.0     | 3.6     | 4.5     | 4.3     |
| Belgium-Luxembourg          | 4.5     | 3.4     | 3.0     | 4.8     | 3.5     |
| Czechia                     | 7.2     | 6.7     | 6.2     | 7.8     | 6.6     |
| France                      | 14.9    | 14.6    | 12.2    | 13.8    | 10.1    |
| Germany                     | 39.6    | 35.1    | 31.3    | 35.5    | 31.6    |
| Italy                       | 25.3    | 25.0    | 20.4    | 26.6    | 24.9    |
| Netherlands                 | 4.5     | 4.6     | 4.1     | 4.7     | 5.2     |
| Poland                      | 14.9    | 13.6    | 12.9    | 15.3    | 13.3    |
| Romania                     | 4.6     | 4.5     | 4.1     | 4.3     | 3.8     |
| Spain                       | 13.8    | 13.2    | 11.6    | 13.0    | 12.4    |
| Sweden                      | 4.1     | 3.8     | 3.1     | 3.8     | 3.5     |
| Other EU (27)               | 19.2    | 19.1    | 18.0    | 19.9    | 19.6    |
| European Union (27)         | 156.8   | 147.7   | 130.7   | 154.0   | 138.8   |
| Türkiye                     | 30.7    | 26.1    | 29.5    | 33.4    | 30.7    |
| United Kingdom              | 10.8    | 10.3    | 9.0     | 10.8    | 9.2     |
| Others                      | 6.8     | 6.8     | 6.5     | 6.8     | 5.1     |
| Other Europe                | 48.3    | 43.2    | 44.9    | 51.0    | 45.0    |
| Russia                      | 41.3    | 43.5    | 42.3    | 43.9    | 41.7    |
| Ukraine                     | 4.7     | 4.7     | 4.6     | 4.8     | 2.2     |
| Other CIS                   | 9.5     | 10.1    | 10.7    | 10.0    | 7.1     |
| Russia & other CIS+ Ukraine | 55.5    | 58.3    | 57.6    | 58.7    | 51.0    |
| Canada                      | 15.1    | 13.0    | 13.7    | 14.5    | 13.5    |
| Mexico                      | 25.3    | 24.4    | 21.9    | 25.6    | 24.8    |
| United States               | 99.8    | 97.6    | 80.0    | 97.0    | 94.5    |
| Other North America         | 4.3     | 4.5     | 3.6     | 4.8     | 4.1     |
| North America               | 144.4   | 139.5   | 119.2   | 141.8   | 137.0   |
| Argentina                   | 4.8     | 3.9     | 3.6     | 5.0     | 5.1     |
| Brazil                      | 21.2    | 21.0    | 21.4    | 26.3    | 23.5    |
| Venezuela                   | 0.2     | 0.1     | 0.1     | 0.1     | 0.1     |
| Other South America         | 12.3    | 12.5    | 10.3    | 14.4    | 12.5    |
| South America               | 38.5    | 37.5    | 35.4    | 45.8    | 41.2    |
| Egypt                       | 11.1    | 10.4    | 9.7     | 10.2    | 11.1    |
| South Africa                | 5.1     | 4.8     | 3.8     | 5.0     | 4.4     |
| Other Africa                | 22.3    | 25.9    | 23.2    | 24.0    | 24.5    |
| Africa                      | 38.4    | 41.0    | 36.7    | 39.2    | 40.0    |
| Iran                        | 19.6    | 18.5    | 17.2    | 18.2    | 19.1    |
| Other Middle East           | 32.6    | 32.0    | 30.6    | 31.8    | 32.2    |
| Middle East                 | 52.1    | 50.5    | 47.8    | 50.0    | 51.3    |
| China                       | 836.1   | 911.9   | 1 008.2 | 953.9   | 920.9   |
| India                       | 96.7    | 102.6   | 89.3    | 106.2   | 114.9   |
| Japan                       | 65.4    | 63.2    | 52.6    | 57.4    | 55.0    |
| South Korea                 | 53.7    | 53.2    | 49.2    | 56.0    | 51.2    |
| Taiwan, China               | 17.8    | 17.6    | 18.8    | 21.1    | 17.4    |
| Other Asia                  | 103.8   | 106.2   | 93.9    | 99.1    | 97.2    |
| Asia                        | 1 173.5 | 1 254.8 | 1 312.1 | 1 293.8 | 1 256.6 |
| Oceania                     | 6.6     | 6.6     | 6.1     | 7.3     | 7.3     |
| World                       | 1 714.2 | 1 779.0 | 1 790.4 | 1 841.7 | 1 768.2 |

## Apparent steel use per capita 2018 to 2022

kilograms, finished steel products

|                             | 2018    | 2019    | 2020  | 2021    | 2022  |
|-----------------------------|---------|---------|-------|---------|-------|
| Austria                     | 473.4   | 448.2   | 409.6 | 504.0   | 476.3 |
| Belgium-Luxembourg          | 373.3   | 281.3   | 243.8 | 392.8   | 283.3 |
| Czechia                     | 685.9   | 637.1   | 586.6 | 743.0   | 631.1 |
| France                      | 231.0   | 226.1   | 189.4 | 213.7   | 156.2 |
| Germany                     | 478.3   | 422.6   | 376.1 | 425.7   | 379.0 |
| Italy                       | 422.9   | 418.3   | 343.1 | 449.3   | 421.9 |
| Netherlands                 | 262.5   | 265.8   | 237.6 | 269.9   | 295.8 |
| Poland                      | 386.7   | 354.2   | 336.0 | 398.3   | 332.5 |
| Romania                     | 233.2   | 232.5   | 212.2 | 220.2   | 194.8 |
| Spain                       | 295.7   | 280.9   | 245.8 | 274.4   | 261.6 |
| Sweden                      | 399.8   | 370.1   | 302.2 | 361.1   | 335.5 |
| Other EU (27)               | 261.2   | 259.5   | 245.0 | 272.7   | 267.1 |
| European Union (27)         | 353.0   | 331.8   | 293.5 | 346.1   | 310.3 |
| Türkiye                     | 370.2   | 312.4   | 350.4 | 393.7   | 359.8 |
| United Kingdom              | 162.9   | 153.5   | 133.7 | 160.8   | 136.3 |
| Others                      | 207.6   | 209.0   | 198.2 | 209.6   | 157.6 |
| Other Europe                | 265.3   | 235.9   | 244.3 | 276.4   | 242.9 |
| Russia                      | 283.7   | 298.6   | 290.6 | 302.7   | 288.3 |
| Ukraine                     | 105.1   | 105.3   | 104.8 | 109.4   | 54.7  |
| Other CIS                   | 93.1    | 98.0    | 102.1 | 94.8    | 66.1  |
| Russia & other CIS+ Ukraine | 190.0   | 198.8   | 195.9 | 199.6   | 175.0 |
| Canada                      | 408.2   | 345.8   | 361.4 | 379.2   | 351.6 |
| Mexico                      | 204.0   | 195.3   | 173.6 | 201.7   | 194.8 |
| United States               | 300.4   | 291.9   | 238.2 | 288.0   | 279.4 |
| Other North America         | 45.9    | 47.7    | 37.9  | 50.0    | 43.2  |
| North America               | 246.5   | 236.1   | 200.5 | 237.5   | 228.2 |
| Argentina                   | 108.7   | 87.6    | 79.8  | 111.2   | 112.0 |
| Brazil                      | 100.9   | 99.0    | 100.6 | 122.9   | 109.0 |
| Venezuela                   | 5.7     | 4.5     | 3.2   | 3.6     | 3.7   |
| Other South America         | 87.6    | 87.5    | 70.8  | 98.1    | 84.9  |
| South America               | 90.6    | 87.6    | 82.0  | 105.6   | 94.4  |
| Egypt                       | 106.7   | 98.0    | 90.2  | 93.4    | 100.3 |
| South Africa                | 88.4    | 81.8    | 63.8  | 84.2    | 73.1  |
| Other Africa                | 19.7    | 22.3    | 19.5  | 19.6    | 19.6  |
| Africa                      | 29.7    | 31.0    | 27.0  | 28.2    | 28.1  |
| Iran                        | 228.4   | 213.6   | 197.1 | 207.4   | 215.4 |
| Other Middle East           | 183.2   | 176.4   | 165.7 | 170.2   | 169.2 |
| Middle East                 | 197.9   | 188.4   | 175.8 | 182.1   | 183.9 |
| China                       | 590.0   | 641.3   | 707.6 | 669.0   | 645.8 |
| India                       | 70.7    | 74.2    | 64.0  | 75.5    | 81.1  |
| Japan                       | 518.1   | 502.5   | 420.3 | 460.7   | 443.6 |
| South Korea                 | 1 039.3 | 1 027.5 | 948.9 | 1 081.2 | 988.0 |
| Taiwan, China               | 749.7   | 740.8   | 788.9 | 886.1   | 728.2 |
| Other Asia                  | 89.0    | 90.0    | 78.7  | 82.1    | 79.6  |
| Asia                        | 282.5   | 299.8   | 311.2 | 305.1   | 294.7 |
| Oceania                     | 155.2   | 152.5   | 139.8 | 163.4   | 162.2 |
| World                       | 223.2   | 229.2   | 228.4 | 233.0   | 221.8 |

## Pig iron 2021 and 2022

million tonnes

|                              | Production 2021 | Production 2022     | - Exports 2022 | + Imports 2022 | Apparent = Consumption 2022 |
|------------------------------|-----------------|---------------------|----------------|----------------|-----------------------------|
| Austria                      | 6.1             | 5.8                 | 0.0            | 0.0            | 5.8                         |
| Belgium-Luxembourg           | 4.2             | 4.3 <sup>(e)</sup>  | 0.1            | 0.1            | 4.3                         |
| Czechia                      | 3.9             | 3.4                 | 0.0            | 0.1            | 3.4                         |
| Finland                      | 2.5             | 1.9                 | 0.0            | 0.0            | 1.9                         |
| France                       | 9.5             | 8.2                 | 0.1            | 0.1            | 8.2                         |
| Germany                      | 25.7            | 23.7                | 0.2            | 0.4            | 24.0                        |
| Hungary                      | 0.6             | 0.5                 | 0.0            | 0.0            | 0.5                         |
| Italy                        | 3.9             | 3.5                 | 0.0            | 1.4            | 4.9                         |
| Netherlands                  | 5.9             | 5.5                 | 0.5            | 0.7            | 5.7                         |
| Poland                       | 3.6             | 3.1                 | 0.1            | 0.2            | 3.2                         |
| Romania                      | 2.1             | 1.5                 | 0.0            | 0.0            | 1.5                         |
| Spain                        | 4.0             | 3.4                 | 0.0            | 0.3            | 3.7                         |
| Sweden                       | 3.0             | 2.8                 | 0.0            | 0.0            | 2.9                         |
| Other EU (27)                | 4.0             | 3.2                 | 0.0            | 0.1            | 3.2                         |
| European Union (27)          | 79.0            | 70.7                | 1.0            | 3.5            | 73.1                        |
| Türkiye                      | 10.4            | 9.1                 | 0.0            | 1.6            | 10.7                        |
| United Kingdom               | 5.8             | 4.8                 | 0.0            | 0.0            | 4.8                         |
| Others                       | 2.3             | 1.9 <sup>(e)</sup>  | 0.0            | 0.0            | 1.9                         |
| Other Europe                 | 18.6            | 15.8                | 0.1            | 1.7            | 17.4                        |
| Kazakhstan                   | 3.3             | 2.9 <sup>(e)</sup>  | 0.1            | 0.0            | 2.9                         |
| Russia                       | 53.8            | 51.6 <sup>(e)</sup> | 3.7            | 0.0            | 47.9                        |
| Ukraine                      | 21.2            | 6.4                 | 1.3            | 0.0            | 5.1                         |
| Other CIS                    | 0.0             | 0.0 <sup>(e)</sup>  | 0.0            | 0.0            | 0.0                         |
| Russia & other CIS + Ukraine | 78.3            | 60.9                | 5.0            | 0.0            | 55.9                        |
| Canada                       | 6.2             | 5.7 <sup>(e)</sup>  | 0.2            | 0.0            | 5.6                         |
| Mexico                       | 2.7             | 2.5                 | 0.0            | 0.2            | 2.6                         |
| United States                | 22.2            | 21.0 <sup>(e)</sup> | 0.0            | 4.6            | 25.6                        |
| Other North America          | 0.0             | 0.0 <sup>(e)</sup>  | 0.0            | 0.0            | 0.0                         |
| North America                | 31.1            | 29.2                | 0.2            | 4.8            | 33.7                        |
| Argentina                    | 2.1             | 2.1                 | 0.0            | 0.0            | 2.1                         |
| Brazil                       | 28.5            | 26.8                | 3.7            | 0.0            | 23.1                        |
| Chile                        | 0.7             | 0.6                 | 0.0            | 0.0            | 0.6                         |
| Other South America          | 0.3             | 0.3 <sup>(e)</sup>  | 0.0            | 0.2            | 0.5                         |
| South America                | 31.6            | 29.7                | 3.7            | 0.2            | 26.2                        |
| South Africa                 | 2.9             | 2.4                 | 0.6            | 0.0            | 1.8                         |
| Other Africa                 | 0.0             | 0.0 <sup>(e)</sup>  | 0.0            | 0.0            | 0.0                         |
| Africa                       | 3.2             | 2.7                 | 0.7            | 0.0            | 2.1                         |
| Iran                         | 2.7             | 2.5 <sup>(e)</sup>  | 0.1            | 0.0            | 2.4                         |
| Other Middle East            | 0.0             | 0.0 <sup>(e)</sup>  | 0.0            | 0.0            | 0.0                         |
| Middle East                  | 2.7             | 2.5                 | 0.4            | 0.3            | 2.4                         |
| China                        | 868.6           | 863.8               | 0.2            | 1.1            | 864.7                       |
| India                        | 77.6            | 79.9                | 0.6            | 0.1            | 79.4                        |
| Japan                        | 70.3            | 64.1                | 0.1            | 0.1            | 64.2                        |
| South Korea                  | 46.4            | 42.2                | 0.1            | 0.2            | 42.3                        |
| Taiwan, China                | 15.2            | 13.4                | 0.0            | 0.3            | 13.7                        |
| Other Asia                   | 24.1            | 22.1 <sup>(e)</sup> | 0.3            | 0.4            | 22.2                        |
| Asia                         | 1 102.3         | 1 085.6             | 1.2            | 2.1            | 1 086.4                     |
| Australia                    | 3.8             | 3.7                 | 0.0            | 0.0            | 3.7                         |
| New Zealand                  | 0.7             | 0.6                 | 0.0            | 0.0            | 0.6                         |
| Other Oceania                | 0.0             | 0.0 <sup>(e)</sup>  | 0.1            | 0.0            | - 0.1                       |
| Oceania                      | 4.4             | 4.3                 | 0.1            | 0.0            | 4.2                         |
| World                        | 1 351.3         | 1 301.3             | 12.4           | 12.5           | 1 301.4                     |

<sup>(e)</sup> = estimate

## Direct reduced iron production 2018 to 2022

million tonnes

|                             | 2018  | 2019  | 2020  | 2021               | 2022               |
|-----------------------------|-------|-------|-------|--------------------|--------------------|
| Germany                     | 0.6   | 0.5   | 0.5   | 0.5                | 0.5 <sup>(e)</sup> |
| Sweden                      | 0.1   | 0.1   | 0.1   | 0.1 <sup>(e)</sup> | 0.1 <sup>(e)</sup> |
| European Union (27)         | 0.7   | 0.6   | 0.6   | 0.6                | 0.6                |
| Russia                      | 7.9   | 8.0   | 7.8   | 7.8                | 7.7                |
| Canada                      | 1.7   | 1.4   | 1.2   | 1.6                | 1.5                |
| Mexico                      | 6.0   | 6.0   | 5.2   | 5.8                | 5.8                |
| Trinidad and Tobago         | 1.5   | 1.7   | 1.3   | 1.6                | 1.6 <sup>(e)</sup> |
| United States               | 3.4   | 3.2   | 3.4   | 5.0                | 5.0 <sup>(e)</sup> |
| North America               | 12.5  | 12.4  | 11.0  | 14.1               | 14.0               |
| Argentina                   | 1.6   | 1.1   | 0.5   | 1.4                | 1.4                |
| Venezuela                   | 1.0   | 1.0   | 0.9   | 0.8                | 0.3                |
| South America               | 2.6   | 2.1   | 1.4   | 2.2                | 1.7                |
| Algeria                     | 0.1   | 1.5   | 2.2   | 3.1                | 3.1 <sup>(e)</sup> |
| Egypt                       | 5.8   | 4.4   | 4.8   | 5.4                | 6.0                |
| Kenya <sup>(e)</sup>        |       |       | 0.1   | 0.1 <sup>(e)</sup> | 0.1 <sup>(e)</sup> |
| Libya                       | 0.6   | 0.9   | 0.8   | 0.9                | 1.1                |
| South Africa <sup>(e)</sup> | 0.8   | 0.7   | 0.2   | 0.2                | 0.2                |
| Zambia <sup>(e)</sup>       | 0.1   | 0.1   | 0.1   | 0.1 <sup>(e)</sup> | 0.1 <sup>(e)</sup> |
| Africa                      | 7.4   | 7.6   | 8.2   | 9.7                | 10.6               |
| Bahrain                     | 1.6   | 1.5   | 1.4   | 1.5                | 1.5 <sup>(e)</sup> |
| Iran                        | 25.7  | 28.5  | 30.8  | 31.6               | 32.9               |
| Oman                        | 1.5   | 1.8   | 1.7   | 1.7                | 1.7 <sup>(e)</sup> |
| Qatar                       | 2.5   | 2.4   | 0.8   | 0.8                | 1.6                |
| Saudi Arabia                | 6.0   | 5.8   | 5.2   | 6.1                | 6.7                |
| United Arab Emirates        | 3.8   | 3.7   | 3.0   | 3.7                | 3.4                |
| Middle East                 | 41.2  | 43.6  | 42.8  | 45.4               | 47.8               |
| India                       | 34.2  | 36.8  | 33.6  | 39.0               | 42.3               |
| Indonesia                   | 0.2   | 0.1   | 0.0   | 0.1 <sup>(e)</sup> | 0.1 <sup>(e)</sup> |
| Malaysia                    | 0.7   | 0.6   | 0.7   | 0.4 <sup>(e)</sup> | 0.4 <sup>(e)</sup> |
| Asia                        | 35.2  | 37.5  | 34.4  | 39.5               | 42.7               |
| World                       | 107.5 | 111.8 | 106.3 | 119.3              | 125.1              |

<sup>(e)</sup> = estimate

## Iron ore 2021

million tonnes, actual weight

|   | Production     | - Exports      | + Imports      | = Apparent consumption |
|---|----------------|----------------|----------------|------------------------|
| Austria                                 | 3.0            | 0.0            | 4.5            | 7.5                    |
| Belgium-Luxembourg                      | 0.0            | 0.0            | 5.8            | 5.8                    |
| Czechia                                 | 0.0            | 0.0            | 6.0            | 6.0                    |
| France                                  | 0.0            | 0.1            | 13.9           | 13.8                   |
| Germany                                 | 0.3            | 1.4            | 40.2           | 39.0                   |
| Italy                                   | 0.0            | 0.0            | 5.9            | 5.9                    |
| Netherlands                             | 0.0            | 19.2           | 27.4           | 8.2                    |
| Poland                                  | 0.0            | 0.0            | 5.7            | 5.7                    |
| Romania                                 | 0.0            | 0.0            | 3.0            | 3.0                    |
| Slovakia                                | 0.0            | 0.1            | 6.2            | 6.1                    |
| Spain                                   | 0.0            | 0.1            | 5.7            | 5.5                    |
| Sweden                                  | 28.9           | 24.0           | 0.0            | 4.9                    |
| Other EU (27)                           | 0.0            | 0.2            | 4.7            | 4.6                    |
| <b>European Union (27)</b>              | <b>32.2</b>    | <b>45.1</b>    | <b>129.0</b>   | <b>116.0</b>           |
| Bosnia-Herzegovina                      | 1.6            | 0.0            | 0.0            | 1.6                    |
| Norway                                  | 1.7            | 1.7            | 0.0            | 0.1                    |
| Türkiye                                 | 8.3            | 3.5            | 11.3           | 16.0                   |
| United Kingdom                          | 0.0            | 0.0            | 8.1            | 8.1                    |
| Others                                  | 0.0            | 0.3            | 1.7            | 1.4                    |
| <b>Other Europe</b>                     | <b>11.6</b>    | <b>5.5</b>     | <b>21.2</b>    | <b>27.2</b>            |
| <b>Russia &amp; Other CIS + Ukraine</b> | <b>229.3</b>   | <b>75.5</b>    | <b>9.6</b>     | <b>163.5</b>           |
| Canada                                  | 57.5           | 53.8           | 8.3            | 12.0                   |
| Mexico                                  | 29.7           | 2.8            | 2.6            | 29.5                   |
| United States                           | 48.7           | 14.5           | 5.4            | 39.6                   |
| Other North America                     | 0.0            | 0.5            | 1.9            | 1.3                    |
| <b>North America</b>                    | <b>135.9</b>   | <b>71.7</b>    | <b>18.2</b>    | <b>82.4</b>            |
| Brazil                                  | 399.3          | 359.1          | 0.3            | 40.5                   |
| Chile                                   | 16.3           | 16.4           | 0.0            | - 0.1                  |
| Peru                                    | 10.7           | 8.9            | 0.0            | 1.8                    |
| Venezuela                               | 3.5            | 2.3            | 0.0            | 1.2                    |
| Other South America                     | 0.7            | 0.0            | 5.9            | 6.6                    |
| <b>South America</b>                    | <b>430.5</b>   | <b>386.6</b>   | <b>6.2</b>     | <b>50.0</b>            |
| Liberia                                 | 4.2            | 3.6            | 0.0            | 0.6                    |
| Mauritania                              | 12.6           | 13.2           | 0.0            | - 0.6                  |
| South Africa                            | 73.1           | 67.9           | 0.0            | 5.2                    |
| Other Africa                            | 11.3           | 3.4            | 12.9           | 20.7                   |
| <b>Africa</b>                           | <b>101.2</b>   | <b>88.2</b>    | <b>12.9</b>    | <b>25.9</b>            |
| Middle East                             | 55.7           | 13.7           | 30.2           | 72.2                   |
| China <sup>(1)</sup>                    | 266.0          | 23.3           | 1 125.6        | 1 368.3                |
| India                                   | 249.3          | 35.8           | 5.5            | 219.0                  |
| Japan                                   | 0.0            | 0.0            | 113.1          | 113.1                  |
| South Korea                             | 0.2            | 0.3            | 74.2           | 74.1                   |
| Other Asia                              | 39.2           | 35.7           | 95.1           | 98.6                   |
| <b>Asia</b>                             | <b>554.7</b>   | <b>95.1</b>    | <b>1 413.5</b> | <b>1 873.1</b>         |
| Australia                               | 922.2          | 876.6          | 0.9            | 46.5                   |
| New Zealand and Other Oceania           | 3.7            | 0.1            | 0.0            | 3.6                    |
| <b>Oceania</b>                          | <b>925.9</b>   | <b>876.7</b>   | <b>0.9</b>     | <b>50.1</b>            |
| <b>World</b>                            | <b>2 476.9</b> | <b>1 658.1</b> | <b>1 641.7</b> | <b>2 460.4</b>         |

<sup>(1)</sup> Production adjusted so that Fe content is similar to world average. Source: RMG.

## World trade in iron ore by area 2022

million tonnes

| Exporting region                     | Destination         |               |                              |               |               |                        |                 |              |               | Total Imports | of which: extra-regional imports |
|--------------------------------------|---------------------|---------------|------------------------------|---------------|---------------|------------------------|-----------------|--------------|---------------|---------------|----------------------------------|
|                                      | European Union (27) | Other Europe  | Russia & Other CIS + Ukraine | North America | South America | Africa and Middle East | Asia            | Oceania      |               |               |                                  |
| European Union (27)                  | 31.2                | 2.6           | 21.5                         | 22.4          | 20.5          | 19.5                   | 1.8             | 0.3          | 119.9         | 88.6          |                                  |
| Other Europe                         | 3.5                 | 0.4           | 1.8                          | 1.6           | 6.3           | 2.7                    | 1.2             | 0.5          | 17.9          | 17.6          |                                  |
| Russia & Other CIS + Ukraine         | 0.0                 | 0.0           | 0.0                          | -             | -             | 0.0                    | 0.0             | -            | 0.0           | 0.0           |                                  |
| North America                        | 1.1                 | 0.1           | -                            | 10.0          | 5.9           | 0.0                    | 1.6             | 0.0          | 18.7          | 8.8           |                                  |
| South America                        | 0.0                 | 0.0           | -                            | 0.4           | 6.9           | -                      | 0.1             | 0.0          | 7.4           | 0.5           |                                  |
| Africa and Middle East               | 5.6                 | 0.5           | 0.4                          | 3.1           | 28.4          | 11.2                   | 0.3             | -            | 49.5          | 38.4          |                                  |
| China                                | 1.8                 | 1.0           | 19.3                         | 17.1          | 258.2         | 56.1                   | 22.2            | 732.1        | 1107.8        | 1085.6        |                                  |
| Japan                                | 0.0                 | -             | 0.5                          | 7.2           | 30.2          | 3.5                    | 0.0             | 62.9         | 104.2         | 104.2         |                                  |
| Other Asia                           | 1.1                 | 0.1           | 0.3                          | 6.2           | 11.6          | 3.1                    | 45.7            | 92.2         | 160.4         | 114.7         |                                  |
| Oceania                              | 0.0                 | 0.0           | -                            | -             | 0.0           | 1.0                    | 0.0             | 0.0          | 1.0           | 1.0           |                                  |
| <b>Total exports</b>                 | <b>44.3</b>         | <b>4.6</b>    | <b>43.9</b>                  | <b>67.8</b>   | <b>368.1</b>  | <b>97.1</b>            | <b>72.9</b>     | <b>888.0</b> | <b>1586.8</b> | <b>1459.3</b> |                                  |
| of which: extra-regional exports*    | 13.1                | 4.3           | 43.8                         | 57.9          | 361.2         | 85.9                   | 5.1             | 888.0        | 1459.3        |               |                                  |
| <b>Net exports (exports-imports)</b> | <b>- 75.5</b>       | <b>- 13.3</b> | <b>43.8</b>                  | <b>49.1</b>   | <b>360.7</b>  | <b>47.6</b>            | <b>- 1299.5</b> | <b>887.0</b> |               |               |                                  |

\* Excluding intra-regional trade marked

## Trade in ferrous scrap 2021 and 2022

million tonnes

|                              | Exports |      | Imports |      |
|------------------------------|---------|------|---------|------|
|                              | 2021    | 2022 | 2021    | 2022 |
| Austria                      | 1.2     | 1.2  | 1.2     | 1.1  |
| Belgium                      | 4.1     | 3.9  | 4.0     | 4.5  |
| Bulgaria                     | 0.6     | 0.5  | 0.1     | 0.2  |
| Czechia                      | 2.2     | 2.2  | 0.5     | 0.5  |
| Finland                      | 0.7     | 0.6  | 0.0     | 0.2  |
| France                       | 6.3     | 6.3  | 1.4     | 1.4  |
| Germany                      | 6.5     | 7.2  | 4.3     | 4.2  |
| Greece                       | 0.1     | 0.2  | 0.9     | 0.9  |
| Italy                        | 0.5     | 0.8  | 6.1     | 5.2  |
| Netherlands                  | 6.5     | 6.7  | 3.1     | 3.8  |
| Poland                       | 2.4     | 2.2  | 0.6     | 0.8  |
| Slovakia                     | 0.8     | 0.9  | 0.4     | 0.2  |
| Spain                        | 0.6     | 0.9  | 3.7     | 3.0  |
| Sweden                       | 1.3     | 1.4  | 0.1     | 0.2  |
| Other EU                     | 9.0     | 8.3  | 5.7     | 5.6  |
| European Union (27)          | 42.9    | 43.5 | 32.1    | 31.8 |
| Türkiye                      | 0.1     | 0.2  | 24.3    | 21.1 |
| United Kingdom               | 8.1     | 8.2  | 0.4     | 0.2  |
| Others                       | 1.8     | 1.8  | 1.1     | 1.0  |
| Other Europe                 | 10.0    | 10.2 | 25.8    | 22.3 |
| Kazakhstan                   | 0.1     | 0.1  | 0.0     | 0.0  |
| Russia                       | 4.0     | 1.0  | 0.9     | 0.0  |
| Ukraine                      | 0.6     | 0.1  | 0.0     | 0.0  |
| Other CIS                    | 0.3     | 0.2  | 1.5     | 0.1  |
| Russia & Other CIS + Ukraine | 5.0     | 1.4  | 2.4     | 0.1  |
| Canada                       | 4.4     | 4.7  | 0.7     | 1.1  |
| Mexico                       | 0.6     | 0.8  | 2.8     | 2.9  |
| United States                | 15.9    | 17.5 | 4.9     | 4.7  |
| Other North America          | 0.8     | 1.0  | 0.0     | 0.0  |
| North America                | 21.7    | 24.0 | 8.3     | 8.8  |
| Brazil                       | 0.5     | 0.4  | 0.2     | 0.0  |
| Other South America          | 1.8     | 1.9  | 0.3     | 0.2  |
| South America                | 2.3     | 2.2  | 0.6     | 0.3  |
| South Africa                 | 0.2     | 0.5  | 0.1     | 0.1  |
| Other Africa                 | 1.3     | 1.3  | 1.8     | 0.9  |
| Africa                       | 1.5     | 1.8  | 1.9     | 0.9  |
| Middle East                  | 3.7     | 3.6  | 0.8     | 0.6  |
| China                        | 0.0     | 0.0  | 0.5     | 0.6  |
| Japan                        | 7.0     | 6.3  | 0.0     | 0.1  |
| South Korea                  | 0.2     | 0.3  | 4.5     | 4.7  |
| Taiwan, China                | 0.1     | 0.1  | 2.9     | 2.9  |
| Other Asia                   | 1.9     | 2.8  | 20.0    | 22.8 |
| Asia                         | 9.2     | 9.5  | 28.0    | 31.0 |
| Oceania                      | 2.2     | 2.4  | 0.1     | 0.2  |
| World                        | 98.5    | 98.6 | 100.0   | 96.0 |

## World trade in ferrous scrap by area 2022

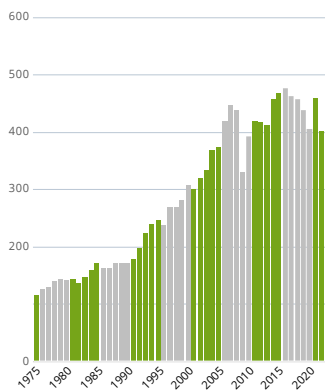
million tonnes

| Exporting region                     | Destination         |              |                              |               |               |                        |       |       |            |         | Total imports | of which:<br>extra-regional imports |
|--------------------------------------|---------------------|--------------|------------------------------|---------------|---------------|------------------------|-------|-------|------------|---------|---------------|-------------------------------------|
|                                      | European Union (27) | Other Europe | Russia & Other CIS + Ukraine | North America | South America | Africa and Middle East | China | Japan | Other Asia | Oceania |               |                                     |
| European Union (27)                  | 26.9                | 3.4          | 0.1                          | 0.6           | 0.1           | 0.2                    | 0.0   | 0.0   | 0.0        | 0.0     | 31.3          | 4.5                                 |
| Other Europe                         | 12.4                | 2.4          | 0.7                          | 4.0           | 1.0           | 1.2                    | -     | 0.0   | 0.2        | 0.0     | 21.9          | 19.5                                |
| Russia & Other CIS + Ukraine         | 0.1                 | 0.0          | 0.2                          | 0.0           | -             | -                      | -     | -     | 0.0        | 0.0     | 0.2           | 0.1                                 |
| North America                        | 0.4                 | 0.1          | 0.0                          | 8.6           | 0.0           | 0.0                    | -     | 0.0   | 0.3        | 0.0     | 9.4           | 0.8                                 |
| South America                        | 0.1                 | 0.0          | 0.0                          | 0.8           | 0.2           | 0.0                    | -     | 0.0   | 0.0        | 0.0     | 1.1           | 0.9                                 |
| Africa                               | 0.4                 | 0.7          | 0.0                          | 0.3           | 0.0           | 0.1                    | 0.0   | -     | 0.0        | 0.0     | 1.6           | 1.5                                 |
| Middle East                          | 0.1                 | 0.2          | 0.0                          | 0.2           | 0.0           | 0.2                    | -     | 0.0   | 0.0        | 0.0     | 0.7           | 0.5                                 |
| China                                | 0.0                 | 0.1          | 0.0                          | 0.0           | 0.0           | 0.0                    | 0.0   | 0.4   | 0.1        | 0.0     | 0.6           | 0.6                                 |
| Japan                                | 0.0                 | 0.0          | 0.0                          | 0.0           | 0.0           | 0.0                    | 0.0   | -     | 0.1        | 0.0     | 0.1           | 0.1                                 |
| Other Asia                           | 3.1                 | 3.3          | 0.4                          | 9.4           | 0.9           | 3.7                    | 0.0   | 5.9   | 2.4        | 2.3     | 31.4          | 28.9                                |
| Oceania                              | 0.0                 | 0.1          | -                            | 0.0           | 0.0           | 0.0                    | -     | -     | 0.0        | 0.1     | 0.2           | 0.1                                 |
| Total exports                        | 43.5                | 10.2         | 1.4                          | 24.0          | 2.3           | 5.4                    | 0.0   | 6.3   | 3.1        | 2.4     | 98.5          | 57.5                                |
| of which:<br>extra-regional exports* | 16.6                | 7.8          | 1.2                          | 15.3          | 2.0           | 5.1                    | 0.0   | 6.3   | 0.6        | 2.3     | 57.5          |                                     |
| Net exports<br>(exports-imports)     | 12.2                | -11.7        | 1.1                          | 14.6          | 1.1           | 3.1                    | -0.6  | 6.2   | -28.3      | 2.2     |               |                                     |

\* Excluding intra-regional trade marked

## World steel trade in products 1975 to 2022

million tonnes



Exports are of finished and semi-finished steel products. Production of finished steel, where not available from national sources, is calculated from crude steel production, taking into account the continuous casting ratio.

| Year | Exports | Production | Exports share % |
|------|---------|------------|-----------------|
| 1975 | 114.7   | 506.9      | 22.6            |
| 1980 | 140.6   | 578.7      | 24.3            |
| 1985 | 171.0   | 599.0      | 28.5            |
| 1990 | 171.0   | 654.0      | 26.2            |
| 1991 | 177.1   | 660.0      | 26.8            |
| 1992 | 196.1   | 658.0      | 29.8            |
| 1993 | 222.5   | 664.9      | 33.5            |
| 1994 | 238.6   | 656.2      | 36.4            |
| 1995 | 246.6   | 685.6      | 36.0            |
| 1996 | 236.4   | 687.1      | 34.4            |
| 1997 | 267.9   | 730.1      | 36.7            |
| 1998 | 268.7   | 713.4      | 37.7            |
| 1999 | 280.8   | 725.8      | 38.7            |
| 2000 | 307.5   | 783.6      | 39.2            |
| 2001 | 300.5   | 785.9      | 38.2            |
| 2002 | 318.0   | 837.1      | 38.0            |
| 2003 | 333.6   | 899.1      | 37.1            |
| 2004 | 368.3   | 985.6      | 37.4            |
| 2005 | 373.3   | 1 065.5    | 35.0            |
| 2006 | 418.5   | 1 161.3    | 36.0            |
| 2007 | 446.8   | 1 255.4    | 35.6            |
| 2008 | 438.5   | 1 250.4    | 35.1            |
| 2009 | 330.1   | 1 155.9    | 28.6            |
| 2010 | 392.7   | 1 337.6    | 29.4            |
| 2011 | 418.7   | 1 435.4    | 29.2            |
| 2012 | 416.0   | 1 458.9    | 28.5            |
| 2013 | 412.6   | 1 543.1    | 26.7            |
| 2014 | 457.4   | 1 563.4    | 29.3            |
| 2015 | 467.4   | 1 515.5    | 30.8            |
| 2016 | 476.8   | 1 523.0    | 31.3            |
| 2017 | 462.9   | 1 620.2    | 28.6            |
| 2018 | 457.2   | 1 703.6    | 26.8            |
| 2019 | 438.8   | 1 748.6    | 25.1            |
| 2020 | 405.6   | 1 754.7    | 23.1            |
| 2021 | 459.1   | 1 827.6    | 25.1            |
| 2022 | 401.7   | 1 756.3    | 22.2            |

## World steel exports by product 2018 to 2022

million tonnes

|                                      | 2018  | 2019  | 2020  | 2021  | 2022  |
|--------------------------------------|-------|-------|-------|-------|-------|
| Ingots and semi-finished material    | 61.7  | 56.1  | 55.7  | 61.1  | 44.6  |
| Railway track material               | 2.6   | 4.9   | 2.6   | 2.8   | 2.6   |
| Angles, shapes and sections          | 22.7  | 21.5  | 19.6  | 20.3  | 19.0  |
| Concrete reinforcing bars            | 18.7  | 19.1  | 19.2  | 22.0  | 15.4  |
| Bars and rods, hot-rolled            | 18.7  | 15.2  | 12.8  | 15.3  | 12.7  |
| Wire rod                             | 27.4  | 26.8  | 25.2  | 29.0  | 25.5  |
| Drawn wire                           | 9.0   | 8.8   | 8.7   | 9.6   | 8.6   |
| Other bars and rods                  | 6.4   | 5.6   | 4.5   | 6.1   | 7.4   |
| Hot-rolled strip                     | 3.8   | 3.2   | 2.8   | 3.4   | 3.0   |
| Cold-rolled strip                    | 4.5   | 4.0   | 3.7   | 4.8   | 4.1   |
| Hot-rolled sheets and coils          | 78.9  | 78.4  | 74.6  | 79.3  | 68.0  |
| Plates                               | 33.3  | 32.8  | 29.4  | 30.9  | 32.2  |
| Cold-rolled sheets and coils         | 35.7  | 32.5  | 19.0  | 36.7  | 30.8  |
| Electrical sheet and strip           | 4.6   | 4.1   | 3.9   | 5.1   | 5.2   |
| Tinmill products                     | 6.8   | 6.9   | 7.0   | 6.8   | 6.9   |
| Galvanised sheet                     | 44.7  | 43.0  | 37.0  | 45.3  | 38.4  |
| Other coated sheet                   | 17.9  | 18.2  | 18.1  | 20.2  | 16.5  |
| Steel tubes and fittings             | 41.2  | 40.9  | 32.3  | 34.3  | 34.2  |
| Wheels (forged and rolled) and axles | 0.9   | 0.8   | 0.7   | 0.9   | 0.8   |
| Castings                             | 1.3   | 1.3   | 1.1   | 1.4   | 1.5   |
| Forgings                             | 1.1   | 1.0   | 0.9   | 1.0   | 1.1   |
| Total                                | 441.9 | 425.2 | 378.8 | 436.3 | 378.4 |

Exports data is reported by country and therefore includes for example intra-EU trade, trade between USMCA countries, etc.

The figures are based on a broad definition of the steel industry and its products, including ingots, semi-finished products, hot-rolled and cold-finished products, tubes, wire, and unworked castings and forgings.

The above table comprises the exports of 62 countries, which represents approximately 94.8 per cent of total world trade in 2022.

## World volume of trade 2000 to 2022

Quantum indices 2000 = 100



## World trade in steel by area 2022

million tonnes

| Exporting region<br>Destination        | Importing region    |              |                              |               |               |                        |             |             |              |             | Total imports | of which:<br>extra-regional imports |
|--|---------------------|--------------|------------------------------|---------------|---------------|------------------------|-------------|-------------|--------------|-------------|---------------|-------------------------------------|
|  | European Union (27) | Other Europe | Russia & Other CIS + Ukraine | North America | South America | Africa and Middle East | China       | Japan       | Other Asia   | Oceania     |               |                                     |
| European Union (27)                    | 100.0               | 10.3         | 8.8                          | 0.1           | 1.2           | 1.9                    | 4.3         | 1.7         | 13.3         | 0.2         | 141.9         | 41.9                                |
| Other Europe                           | 10.2                | 2.7          | 6.3                          | 0.0           | 0.3           | 0.8                    | 2.8         | 0.5         | 5.1          | 0.1         | 28.7          | 26.0                                |
| Russia & Other CIS + Ukraine           | 0.5                 | 0.5          | 1.9                          | 0.0           | 0.0           | 0.0                    | 1.3         | 0.0         | 0.2          | 0.0         | 4.5           | 2.6                                 |
| North America                          | 6.0                 | 2.6          | 0.9                          | 17.1          | 7.9           | 1.5                    | 4.4         | 2.9         | 10.9         | 0.4         | 54.6          | 37.6                                |
| South America                          | 1.0                 | 0.8          | 0.3                          | 0.1           | 3.0           | 0.1                    | 5.4         | 0.9         | 1.9          | 0.0         | 13.4          | 10.4                                |
| Africa                                 | 1.8                 | 3.1          | 0.6                          | 0.0           | 0.1           | 1.5                    | 8.1         | 0.9         | 1.9          | 0.0         | 18.0          | 16.5                                |
| Middle East                            | 0.9                 | 4.3          | 0.4                          | 0.1           | 0.1           | 2.9                    | 7.1         | 0.8         | 2.4          | 0.1         | 19.1          | 16.2                                |
| China                                  | 0.8                 | 0.0          | 2.6                          | 0.0           | 0.1           | 1.6                    | -           | 3.8         | 8.0          | 0.0         | 17.1          | 17.1                                |
| Japan                                  | 0.0                 | 0.0          | 0.0                          | 0.0           | 0.0           | 0.0                    | 1.0         | -           | 4.3          | 0.0         | 5.3           | 5.3                                 |
| Other Asia                             | 1.3                 | 0.6          | 3.4                          | 4.1           | 0.2           | 5.0                    | 32.8        | 20.1        | 28.9         | 0.3         | 96.6          | 67.8                                |
| Oceania                                | 0.2                 | 0.2          | 0.0                          | 0.0           | 0.0           | 0.1                    | 0.9         | 0.1         | 1.3          | 0.2         | 2.9           | 2.7                                 |
| <b>Total Exports</b>                   | <b>122.9</b>        | <b>25.0</b>  | <b>25.1</b>                  | <b>21.6</b>   | <b>12.9</b>   | <b>15.3</b>            | <b>68.1</b> | <b>31.7</b> | <b>78.1</b>  | <b>1.3</b>  | <b>402.1</b>  | <b>244.0</b>                        |
| of which:<br>extra-regional exports*   | 22.9                | 22.4         | 23.2                         | 4.5           | 9.9           | 10.9                   | 68.1        | 31.7        | 49.2         | 1.2         | 244.0         |                                     |
| <b>Net exports (exports - imports)</b> | <b>-19.0</b>        | <b>-3.6</b>  | <b>20.6</b>                  | <b>-33.0</b>  | <b>-0.5</b>   | <b>-21.8</b>           | <b>51.1</b> | <b>26.4</b> | <b>-18.5</b> | <b>-1.6</b> |               |                                     |

\* Excluding intra-regional trade marked

## Major importers and exporters of steel 2022

million tonnes

| Rank | Total exports                    | Mt   |
|------|----------------------------------|------|
| 1    | China                            | 68.1 |
| 2    | Japan                            | 31.7 |
| 3    | European Union (27) <sup>1</sup> | 26.0 |
| 4    | South Korea                      | 25.5 |
| 5    | Germany <sup>2</sup>             | 22.3 |
| 6    | Türkiye                          | 18.0 |
| 7    | Russia                           | 17.9 |
| 8    | Italy <sup>2</sup>               | 16.0 |
| 9    | Belgium <sup>2</sup>             | 14.7 |
| 10   | Brazil                           | 12.1 |
| 11   | India                            | 12.1 |
| 12   | France <sup>2</sup>              | 11.5 |
| 13   | Taiwan, China                    | 9.9  |
| 14   | Netherlands <sup>2</sup>         | 9.4  |
| 15   | Indonesia                        | 9.2  |
| 16   | Spain <sup>2</sup>               | 8.4  |
| 17   | United States                    | 8.3  |
| 18   | Viet Nam                         | 7.4  |
| 19   | Malaysia                         | 7.1  |
| 20   | Austria <sup>2</sup>             | 6.8  |

| Rank | Total imports                    | Mt   |
|------|----------------------------------|------|
| 1    | European Union (27) <sup>1</sup> | 48.1 |
| 2    | United States                    | 28.9 |
| 3    | Germany <sup>2</sup>             | 21.0 |
| 4    | Italy <sup>2</sup>               | 20.2 |
| 5    | Türkiye                          | 17.4 |
| 6    | China                            | 17.1 |
| 7    | South Korea                      | 13.7 |
| 8    | Thailand                         | 13.4 |
| 9    | Belgium <sup>2</sup>             | 12.5 |
| 10   | Poland <sup>2</sup>              | 12.0 |
| 11   | France <sup>2</sup>              | 12.0 |
| 12   | Viet Nam                         | 11.5 |
| 13   | Indonesia                        | 11.2 |
| 14   | Mexico                           | 10.9 |
| 15   | Netherlands <sup>2</sup>         | 10.3 |
| 16   | Spain <sup>2</sup>               | 9.8  |
| 17   | Canada                           | 9.4  |
| 18   | Philippines                      | 7.6  |
| 19   | Taiwan, China                    | 7.1  |
| 20   | Czechia <sup>2</sup>             | 7.0  |

| Rank | Net exports (exports - imports) | Mt   |
|------|---------------------------------|------|
| 1    | China                           | 51.1 |
| 2    | Japan                           | 26.4 |
| 3    | Russia                          | 16.6 |
| 4    | South Korea                     | 11.8 |
| 5    | Brazil                          | 8.8  |
| 6    | Oman                            | 5.4  |
| 7    | India                           | 5.2  |
| 8    | Ukraine                         | 4.1  |
| 9    | Taiwan, China                   | 2.8  |
| 10   | Austria <sup>2</sup>            | 2.6  |
| 11   | Belgium <sup>2</sup>            | 2.2  |
| 12   | Luxembourg <sup>2</sup>         | 1.6  |
| 13   | Malaysia                        | 1.4  |
| 14   | Kazakhstan                      | 1.3  |
| 15   | Germany <sup>2</sup>            | 1.3  |

| Rank | Net imports (imports - exports)  | Mt   |
|------|----------------------------------|------|
| 1    | European Union (27) <sup>1</sup> | 22.0 |
| 2    | United States                    | 20.6 |
| 3    | Thailand                         | 11.6 |
| 4    | Philippines                      | 7.5  |
| 5    | Poland <sup>2</sup>              | 6.8  |
| 6    | Mexico                           | 4.3  |
| 7    | Italy <sup>2</sup>               | 4.2  |
| 8    | Viet Nam                         | 4.1  |
| 9    | Saudi Arabia                     | 3.8  |
| 10   | Canada                           | 2.8  |
| 11   | Israel                           | 2.7  |
| 12   | Pakistan                         | 2.6  |
| 13   | Czechia <sup>2</sup>             | 2.5  |
| 14   | Colombia                         | 2.5  |
| 15   | Bangladesh                       | 2.4  |

<sup>(1)</sup> Excluding intra-regional trade

<sup>(2)</sup> Data for individual European Union (27) countries include intra-European trade

## Indirect trade in steel 2000 to 2019

million tonnes, finished steel equivalent



An explanation of the methodology of indirect trade in steel can be found in the report 'Indirect Trade in Steel (March 2015)' at [worldsteel.org/publications/steel-reports/](http://worldsteel.org/publications/steel-reports/). Last updated in May 2021.

| Year | Indirect exports, Mt |
|------|----------------------|
| 2000 | 172.1                |
| 2001 | 178.1                |
| 2002 | 187.8                |
| 2003 | 199.1                |
| 2004 | 224.0                |
| 2005 | 249.2                |
| 2006 | 269.5                |
| 2007 | 292.4                |
| 2008 | 303.6                |
| 2009 | 231.4                |
| 2010 | 285.4                |
| 2011 | 323.8                |
| 2012 | 324.1                |
| 2013 | 319.1                |
| 2014 | 324.5                |
| 2015 | 322.4                |
| 2016 | 329.8                |
| 2017 | 341.5                |
| 2018 | 354.6                |
| 2019 | 358.9                |

## True steel use 2015 to 2019

million tonnes, finished steel equivalent

|                           | 2015           | 2016           | 2017           | 2018           | 2019           |
|---------------------------|----------------|----------------|----------------|----------------|----------------|
| France                    | 17.1           | 18.4           | 19.0           | 19.1           | 19.7           |
| Germany                   | 28.8           | 31.0           | 30.3           | 28.4           | 27.9           |
| Italy                     | 18.8           | 18.5           | 19.5           | 20.2           | 20.2           |
| Spain                     | 10.8           | 10.3           | 11.0           | 11.6           | 12.3           |
| European Union (27)       | 126.8          | 132.3          | 136.8          | 143.8          | 139.7          |
| Türkiye                   | 32.5           | 32.1           | 33.5           | 26.7           | 20.7           |
| United Kingdom            | 16.5           | 17.1           | 16.9           | 16.8           | 16.2           |
| Other Europe              | 56.7           | 57.0           | 58.3           | 51.7           | 45.0           |
| Russia                    | 43.8           | 43.5           | 46.9           | 47.1           | 49.8           |
| Russia&Other CIS+Ukraine  | 52.0           | 52.7           | 57.7           | 58.4           | 62.0           |
| Canada                    | 18.6           | 18.6           | 19.1           | 19.3           | 18.2           |
| Mexico                    | 20.2           | 20.1           | 22.7           | 21.1           | 15.2           |
| United States             | 118.9          | 115.4          | 122.2          | 127.1          | 125.7          |
| USMCA                     | 157.8          | 154.1          | 164.0          | 167.5          | 159.2          |
| Brazil                    | 22.6           | 19.2           | 19.4           | 21.2           | 21.3           |
| Central&South America     | 47.0           | 39.9           | 41.9           | 42.5           | 41.5           |
| Africa and Middle East    | 89.4           | 84.5           | 82.3           | 79.9           | 81.8           |
| China                     | 611.7          | 620.5          | 706.2          | 761.5          | 825.5          |
| Japan                     | 48.3           | 46.9           | 50.3           | 51.5           | 49.4           |
| South Korea               | 39.7           | 41.6           | 41.7           | 41.3           | 40.5           |
| Asia and Oceania          | 880.3          | 904.1          | 996.5          | 1 066.4        | 1 130.1        |
| <b>Total <sup>1</sup></b> | <b>1 410.0</b> | <b>1 424.7</b> | <b>1 537.6</b> | <b>1 610.3</b> | <b>1 659.2</b> |

<sup>(1)</sup> The total comprises 74 countries.

## Major indirect importers and exporters of steel, 2019

million tonnes, finished steel equivalent

| Rank | Indirect exports | Mt   |
|------|------------------|------|
| 1    | China            | 95.8 |
| 2    | Germany*         | 32.9 |
| 3    | Japan            | 21.7 |
| 4    | United States    | 20.9 |
| 5    | South Korea      | 17.9 |
| 6    | Mexico           | 17.2 |
| 7    | Italy*           | 13.3 |
| 8    | Poland*          | 9.9  |
| 9    | Spain*           | 9.5  |
| 10   | Türkiye          | 8.6  |

| Rank | Net indirect exports (exports - imports) | Mt   |
|------|--|------|
| 1    | China                                    | 86.4 |
| 2    | Japan                                    | 13.9 |
| 3    | South Korea                              | 12.7 |
| 4    | Mexico                                   | 9.1  |
| 5    | Germany*                                 | 7.2  |

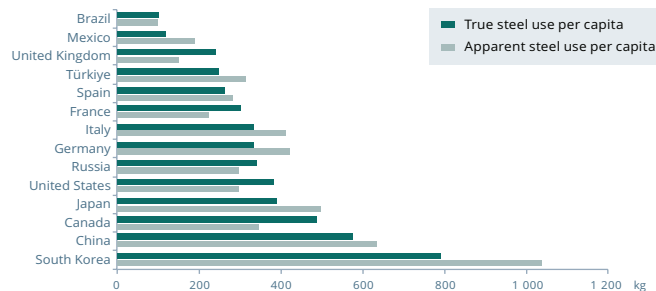
| Rank | Indirect imports    | Mt   |
|------|---------------------|------|
| 1    | United States       | 49.0 |
| 2    | Germany*            | 25.7 |
| 3    | France*             | 13.8 |
| 4    | United Kingdom      | 11.9 |
| 5    | Canada              | 11.6 |
| 6    | China               | 9.4  |
| 7    | Belgium-Luxembourg* | 8.8  |
| 8    | Russia              | 8.8  |
| 9    | Spain*              | 8.5  |
| 10   | Italy*              | 8.5  |

| Rank | Net indirect imports (imports - exports) | Mt   |
|------|--|------|
| 1    | United States                            | 28.1 |
| 2    | Russia                                   | 6.3  |
| 3    | United Kingdom                           | 6.0  |
| 4    | Canada                                   | 5.2  |
| 5    | France*                                  | 5.1  |

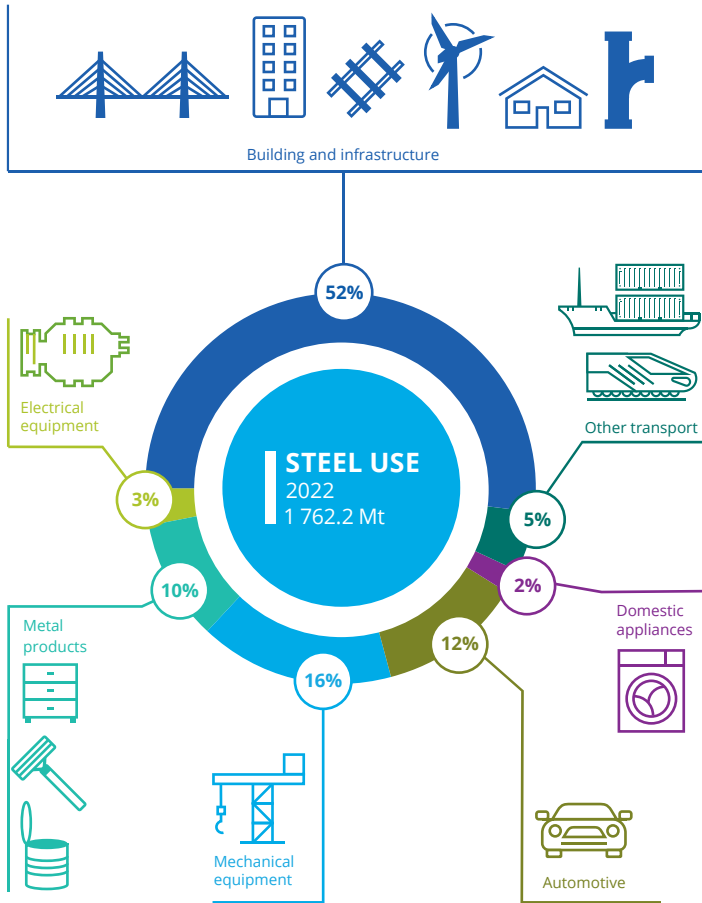
\*Data for individual European Union (27) countries include intra-European trade

## Apparent and true steel use per capita 2019

kilograms, finished steel equivalent



## Steel use by sector 2022



## Subscribe to receive our data



In addition to this World Steel in Figures publication, worldsteel releases data on a monthly and annual basis. A selection of this data is available for free at [worldsteel.org/steel-by-topic/statistics/](https://worldsteel.org/steel-by-topic/statistics/).

A more comprehensive selection of data can be purchased through our bookshop at [worldsteel.org/publications/bookshop/](https://worldsteel.org/publications/bookshop/). For more details contact [subscribers@worldsteel.org](mailto:subscribers@worldsteel.org).

Notation used in this publication:

|     |  |
|-----|--|
| (e) | indicates a figure that has been estimated.              |
| 0.0 | indicates that the quantity concerned is less than 0.05. |
| -   | indicates zero or no data.                               |

While worldsteel statistics and estimations are accurate at the time of release and represent our current judgement, they are subject to change that could cause actual results to differ materially. Readers are cautioned not to place undue reliance on these statistics. worldsteel accepts no responsibility for any business decisions taken on the basis of the data in this publication.

© World Steel Association 2023 | Design: MakeAlias.com

Cover image: Saloma Link Bridge, Malaysia



World Steel Association

Avenue de Tervueren 270  
1150 Brussels  
Belgium

T: +32 (0) 2 702 89 00  
F: +32 (0) 2 702 88 99  
E: [steel@worldsteel.org](mailto:steel@worldsteel.org)

C413 Office Building  
Beijing Lufthansa Center  
50 Liangmaqiao Road  
Chaoyang District  
Beijing 100125  
China

T : +86 10 6464 6733  
F : +86 10 6468 0728  
E : [china@worldsteel.org](mailto:china@worldsteel.org)

[worldsteel.org](http://worldsteel.org)



Printed on FSC certified paper