

EUROPEAN STEEL IN FIGURES 2022

DATA COVERING 2021

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European Steel in Figures 2022

Axel Eggert, Director General
The European Steel Association (EUROFER)

Welcome to the fourteenth edition of the European Steel Association's (EUROFER) European Steel in Figures guide.

European Steel in Figures 2022 is the first edition that takes fully into account the departure of the United Kingdom from the EU and its internal market. From now on, all aggregated data for the EU refer exclusively to EU27, and historical datasets have been adapted accordingly.

The numbers presented in the 2022 edition reflect both the new reality post Brexit and the consequences of the pandemic. In particular, they show the strong rebound experienced in the aftermath of restrictive COVID measures and the progressive slowdown of the recovery due to increasing supply chain disruptions, soaring energy prices and shortages of raw materials occurred in the second half of 2021. For instance, direct employment at the end of 2021 was 308,000, while before the pandemic the full figure for 2019 was 320,000. Crude steel production bounced from 132.2 million in 2020 to 152.6 million tonnes in 2021, while pre-COVID levels were around 160 million tonnes (2017-2018).

Apparent steel consumption strongly rebounded throughout 2021 (+15.2%) as did domestic deliveries (+10.7%). However, if we look

at quarterly data, the latter saw modest growth in the third and fourth quarter (+6.5% and +0.6%, respectively), reflecting the slowdown in steel demand within the EU over the second half of 2021. For a full overview, we recommend reading EUROFER's Economic and steel market outlook reports, available on our website, where more granular information is presented on a quarterly basis.

European Steel in Figures 2022 identifies the main trends of the past year through data. It emerges that in 2021, after a roaring restart of the economy, upbeat expectations have been progressively cooled down by growing uncertainty at global level, leading to downsized output and growth prospects. Today, the invasion of Ukraine by Russia is adding even further uncertainty, which is likely to weigh significantly on the performance of the whole sector in 2022.

We hope that our statistics will be of use for those working within and with the steel industry. We also hope that they can help guiding policymakers both at EU and national level in making the right choices when it comes to political decisions impacting the industry, such as climate, energy and trade policies. Figures grounded in reality should be more relevant than ever for securing a global level playing field for EU businesses and supporting the green transition of the steel sector, at a time when uncertainty has never been so high.

With this in mind, I wish you a fruitful utilisation of European Steel in Figures 2022.

JUNE 2022

About

About the European steel industry

The European steel industry is a world leader in innovation and environmental sustainability. It has a turnover of around €125 billion and directly employs around 310,000 highly-skilled people, producing on average 153 million tonnes of steel per year. More than 500 steel production sites across 22 EU Member States provide direct and indirect employment to millions more European citizens. Closely integrated with Europe's manufacturing and construction industries, steel is the backbone for development, growth and employment in Europe. Steel is the most versatile industrial material in the world. The thousands of different grades and types of steel developed by the industry make the modern world possible.

Steel is 100% recyclable and therefore is a fundamental part of the circular economy. As a basic engineering material, steel is also an essential factor in the development and deployment of innovative, CO₂-mitigating technologies, improving resource efficiency and fostering sustainable development in Europe.

About EUROFER

EUROFER AISBL is located in Brussels and was founded in 1976. It represents the entirety of steel production in the European

Union. EUROFER members are steel companies and national steel federations throughout the EU. The major steel companies and national steel federation of Turkey and the United Kingdom are associate members.

The European Steel Association is recorded in the EU transparency register: 93038071152-83.

About the European Steel in Figures 2022 guide

Disclaimer

The European Steel in Figures guide is the European Steel Association's (EUROFER) annual statistical publication, which is created and issued free of charge. Now in its 14th edition, this publication gives an overview of the key statistical trends in the sector. The statistics presented here are for information only.

EUROFER has endeavoured to replicate data as accurately as possible and to attribute sources correctly. EUROFER is not responsible for any mistakes or errors in the presentation of the information, nor in the underlying data used in its creation. EUROFER is not liable, and cannot be held responsible in any way, for analyses or decisions based upon the data held within this publication.

NOTE: for the purpose of the European Steel in Figures Guide 2022, please note that now, contrary to previous editions, EU refers to EU27 instead of EU28, as from 1 January 2021 data for the UK has no longer been included in the EU aggregate subsequently to Brexit. For the sake of consistency, all historical data have been revised accordingly and now, when mentioned, EU aggregate data always refer to EU27.

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EUROPEAN STEEL IN FIGURES 2022

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EMPLOYMENT & ECONOMIC IMPACT



EMPLOYMENT & ECONOMIC IMPACT

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Employment & GVA in the EU steel industry

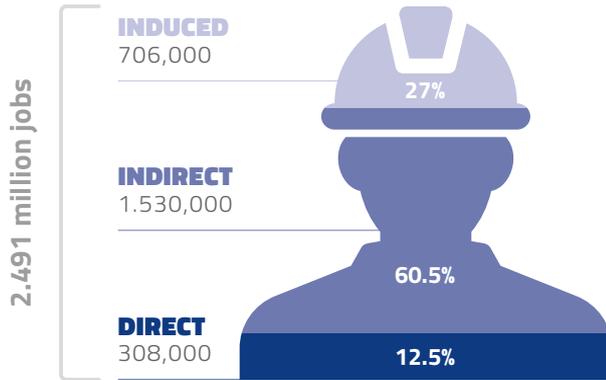
Direct, indirect & induced employment & GVA in the EU steel industry

EMPLOYMENT

GRAPHIC • 2021

SOURCE: OXFORD ECONOMICS

The EU steel industry supports nearly 2.5 million jobs

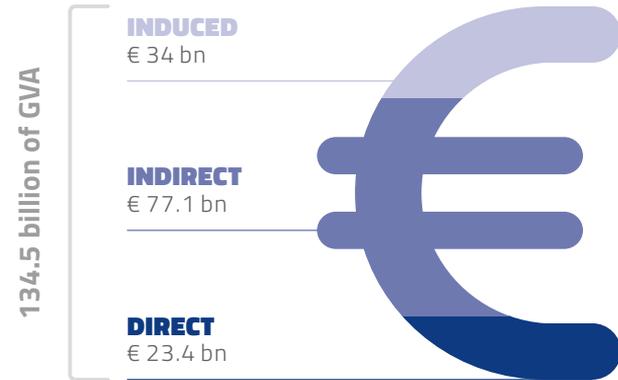


GROSS VALUE ADDED

GRAPHIC • 2021

SOURCE: OXFORD ECONOMICS

The EU steel industry creates around €134,5 billion of Gross Value Added



	'Type I' multiplier	'Type II' multiplier
Multiplier for GVA	4.3	6.0
Multiplier for jobs	5.7	8.1

The 'type I' multiplier is the ratio of direct plus indirect activity to direct activity.

The 'type II' multiplier is the ratio of total activity to direct activity.

Direct employment in the EU steel industry: by country

Employment by absolute numbers

EMPLOYMENT PER COUNTRY IN DESCENDING ORDER

TABLE • 2021

SOURCE: EUROFER

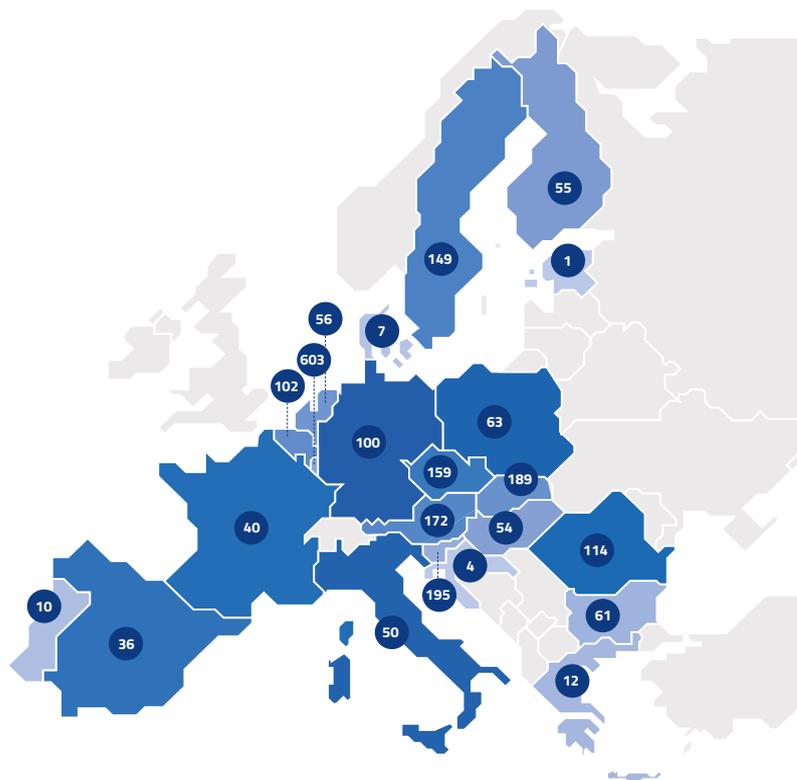
(Steel Companies + National Steel Companies)

		% shares	
	2021	2021	2021
1	GERMANY	81,500	26.8%
2	ITALY	30,595	9.8%
3	FRANCE	26,000	8.4%
4	POLAND	23,950	7.7%
5	ROMANIA	21,912	7.1%
6	SPAIN	17,150	5.5%
7	CZECH REPUBLIC	17,000	5.5%
8	SWEDEN	15,300	4.9%
9	AUSTRIA	15,300	4.9%
10	SLOVAKIA	11,874	3.8%
11	BELGIUM	11,329	3.6%
12	NETHERLANDS	9,558	3.0%
13	FINLAND	6,976	2.5%
14	HUNGARY	5,300	1.7%
15	SLOVENIA	4,100	1.3%
16	BULGARIA	4,000	1.3%
17	LUXEMBOURG	3,830	1.2%
18	GREECE	1,386	0.4%
19	PORTUGAL	1,000	0.3%
20	DENMARK	426	0.1%
21	CROATIA	180	0.1%
22	ESTONIA	9	0%
	TOTAL	308,675	100,0%

EMPLOYMENT IN STEEL PER 100,000 PEOPLE

MAP • 2021

SOURCE: EUROFER



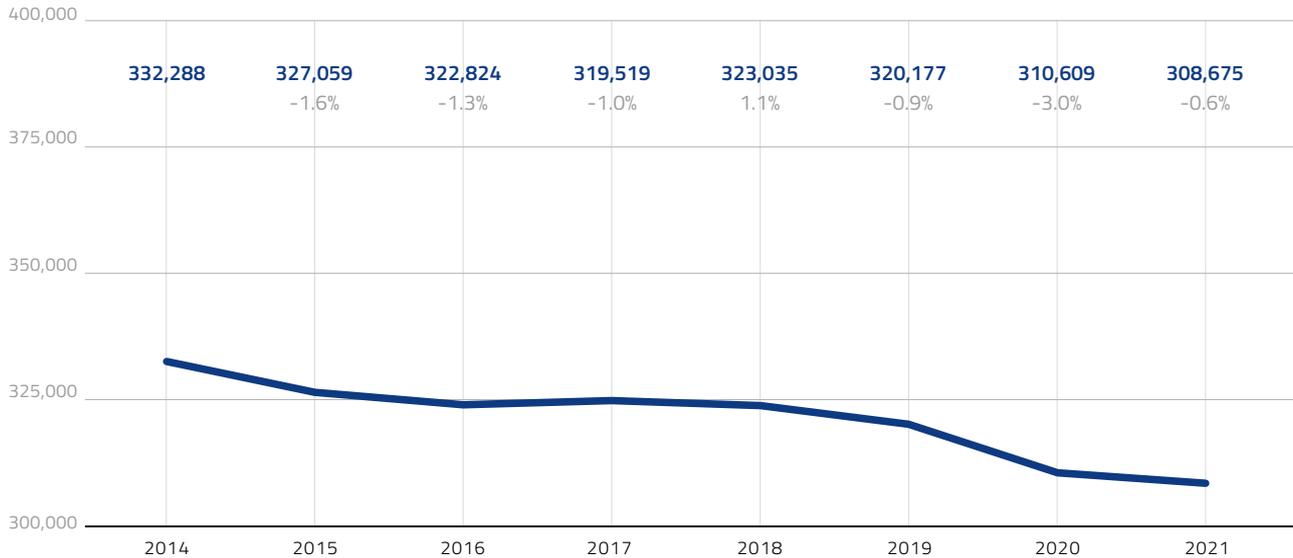
Employment in the EU steel industry

Employment by absolute numbers

EMPLOYMENT: EVOLUTION

GRAPH ■ 2014 – 2021

SOURCE: EUROFER (Steel Companies + National Steel Companies and Associations)



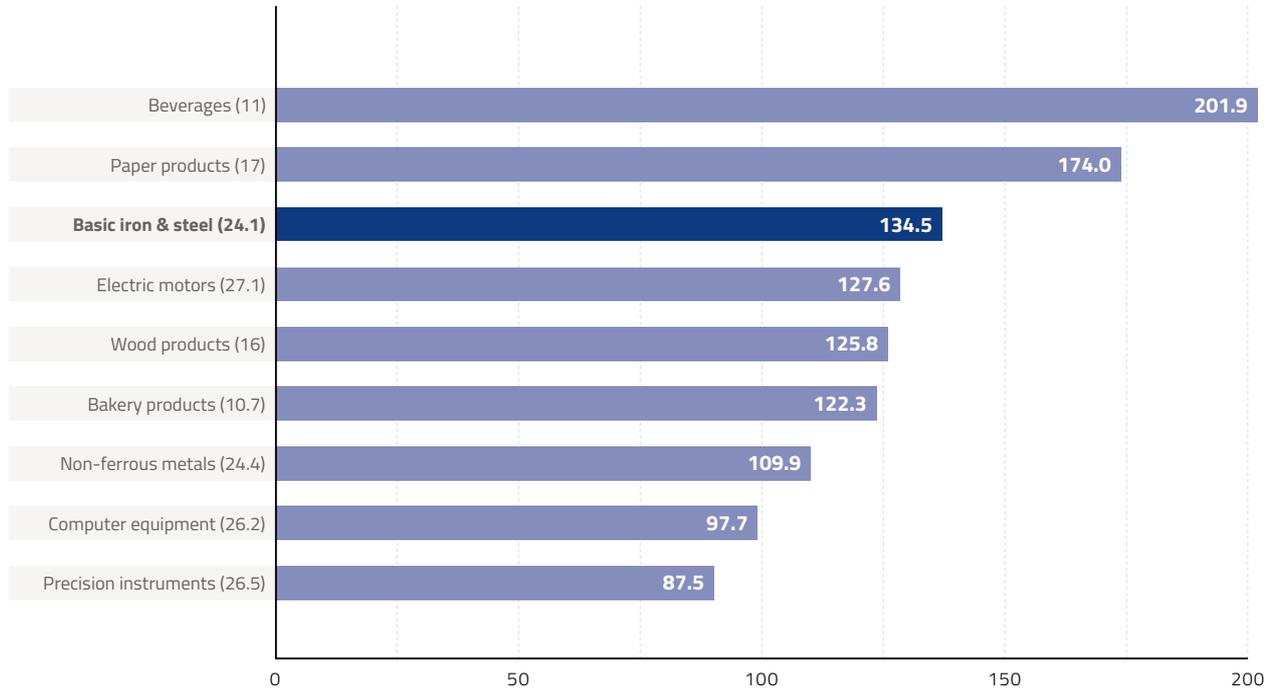
Gross Value Added: Comparison

Value added • in € '000,000

VALUE OF PRODUCTION COMPARED WITH OTHER EU INDUSTRIES

CHART • 2021

SOURCE: EUROSTAT – OXFORD ECONOMICS



EUROPEAN STEEL IN FIGURES 2022

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PRODUCTION



PRODUCTION

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Crude steel production per region: World

All qualities ▪ in '000,000 metric tonnes

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REGIONS IN DESCENDING ORDER OF CRUDE STEEL PRODUCTION

TABLE ▪ 2021

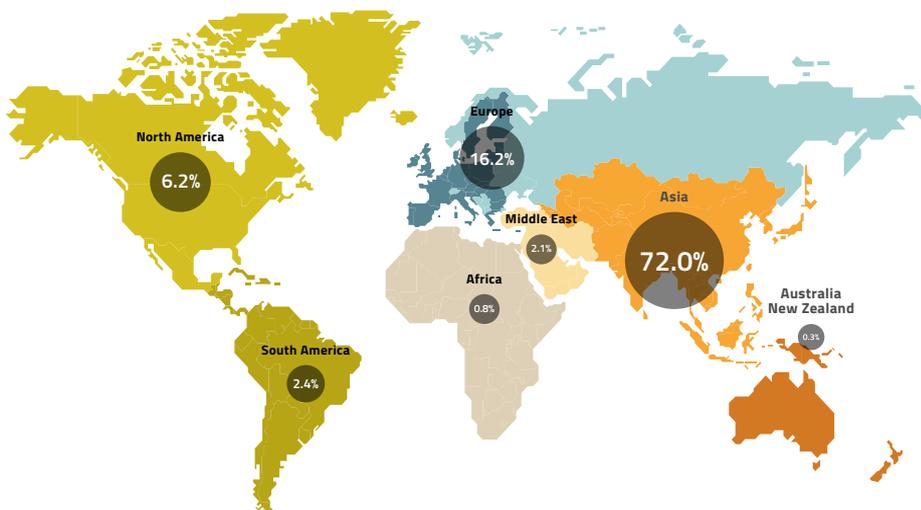
SOURCE: EUROFER

	% shares	
	2021	2021
Asia	1373,9	72,0
▶ of which China	1031,9	54,1
▶ of which India	118,2	6,2
▶ of which Japan	96,3	5,0
Europe	308,5	16,2
▶ of which European Union	152,6	8,0
▶ of which CIS	104,8	5,5
North America	117,9	6,2
of which United States	85,8	4,5
South America	45,7	2,4
Middle East	40,7	2,1
Africa	16	0,8
Australia/New Zealand	6,4	0,3
WORLD	1909,0	100

MAP OF STEEL PRODUCTION BY REGION

MAP ▪ 2021

SOURCE: EUROFER



Crude steel production per country: EU

EU COUNTRIES IN DESCENDING ORDER OF CRUDE STEEL PRODUCTION

TABLE • 2021

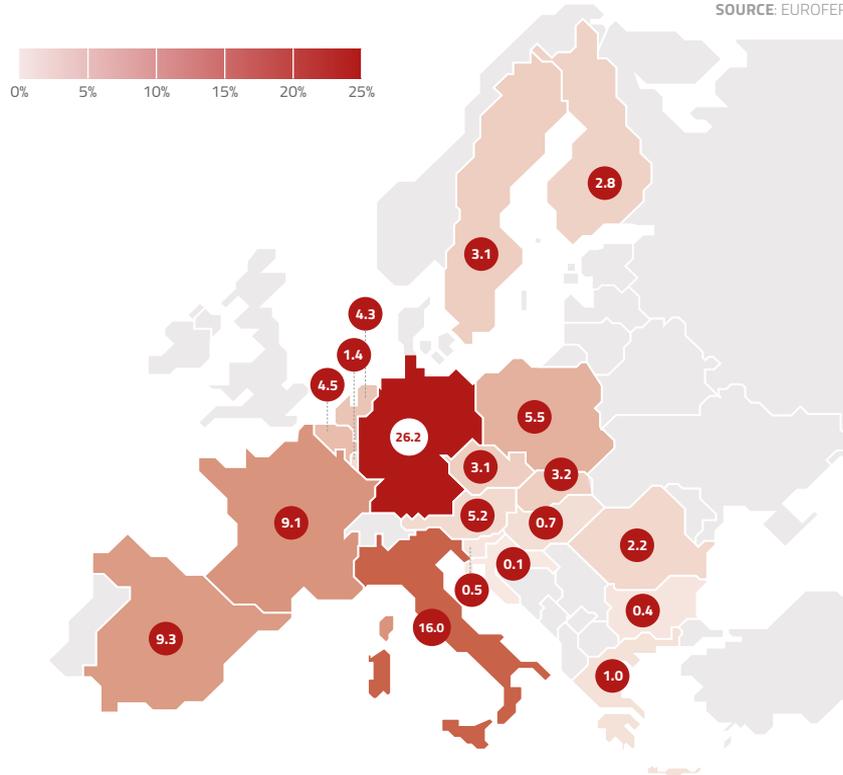
SOURCE: EUROFER

	2021	% shares 2021
1 GERMANY	40,066	26,2%
2 ITALY	24,412	16,0%
3 SPAIN	14,234	9,3%
4 FRANCE	13,947	9,1%
5 POLAND	8,454	5,5%
6 AUSTRIA	7,884	5,2%
7 BELGIUM	6,909	4,5%
8 NETHERLANDS	6,620	4,3%
9 SLOVAKIA	4,863	3,2%
10 CZECH REPUBLIC	4,788	3,1%
11 SWEDEN	4,657	3,1%
12 FINLAND	4,340	2,8%
13 ROMANIA	3,375	2,2%
14 LUXEMBOURG	2,073	1,4%
15 OTHERS	1,953	1,3%
16 GREECE	1,498	1,0%
17 HUNGARY	1,127	0,7%
18 SLOVENIA	701	0,5%
19 BULGARIA	548	0,4%
20 CROATIA	185	0,1%
EU 27	152,634	100%

EU COUNTRIES SHOWN BY RELATIVE SIZE OF CRUDE STEEL PRODUCTION

MAP • 2021

SOURCE: EUROFER



Crude steel production per country: EU

All qualities • in '000 metric tonnes

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CRUDE STEEL OUTPUT PER COUNTRY

TABLE ■ 2017 – 2021

SOURCE: EUROFER

	2017	2018	2019	2020	2021	% shares 2021
AUSTRIA	8,135	6,885	7,424	6,765	7,884	5,2%
BELGIUM	7,842	7,980	7,760	6,119	6,909	4,5%
BULGARIA	652	666	566	484	548	0,4%
CROATIA	0	136	69	45	185	0,1%
CZECH REPUBLIC	4,686	4,938	4,550	4,450	4,788	3,1%
FINLAND	4,003	4,146	3,473	3,498	4,340	2,8%
FRANCE	15,506	15,385	14,451	11,596	13,947	9,1%
GERMANY	43,297	42,435	39,627	35,679	40,066	26,2%
GREECE	1,359	1,467	1,350	1,308	1,498	1,0%
HUNGARY	1,901	1,989	1,769	1,513	1,127	0,7%
ITALY	24,007	24,496	23,190	20,379	24,412	16,0%
LUXEMBOURG	2,172	2,228	2,119	1,886	2,073	1,4%
NETHERLANDS	6,781	6,813	6,657	6,054	6,620	4,3%
POLAND	10,332	10,167	8,956	7,856	8,454	5,5%
ROMANIA	3,361	3,550	3,448	2,790	3,375	2,2%
SLOVAKIA	4,980	4,947	3,931	3,444	4,863	3,2%
SLOVENIA	673	692	669	623	701	0,5%
SPAIN	14,434	14,299	13,503	11,142	14,234	9,3%
SWEDEN	4,692	4,632	4,699	4,383	4,657	3,1%
OTHERS	2,056	2,215	2,033	2,203	1,953	1,3%
EU 27	160,869	160,066	150,244	132,217	152,634	100%



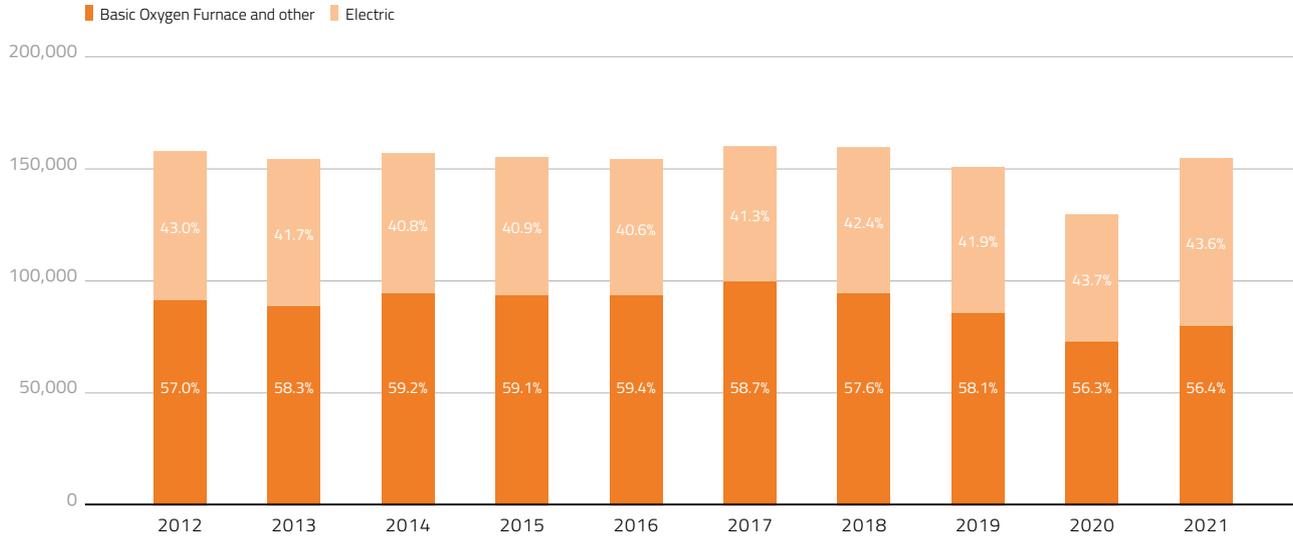
EU crude steel production: by process

EU CRUDE STEEL OUTPUT BY PRODUCTION ROUTE

TABLE, CHART • 2012 – 2021

SOURCE: EUROFER

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	% shares 2021
Basic Oxygen Furnace and other	90,570	89,934	92,981	91,616	91,678	94,354	92,202	87,270	74,498	86,087	56.4%
Electric	68,433	64,384	64,084	63,513	62,620	66,515	67,864	62,974	57,719	66,548	43.6%
Total Crude Steel	159,003	154,318	157,065	155,129	154,298	160,869	160,066	150,244	132,217	152,634	100%



EU crude steel production: by quality

All qualities • in '000 metric tonnes

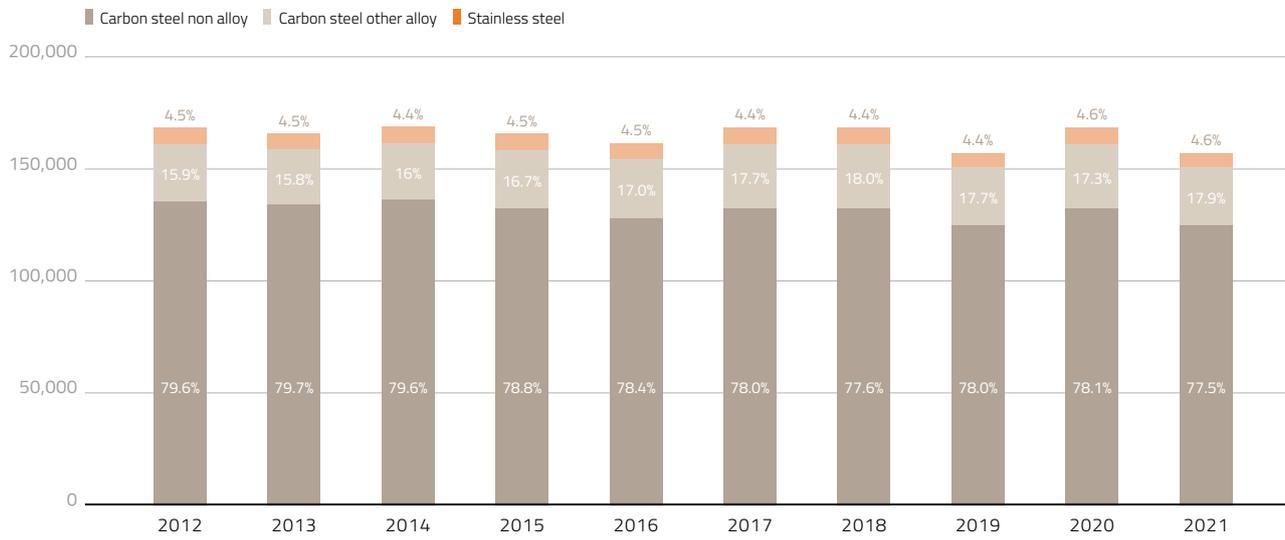
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EU CRUDE STEEL OUTPUT BY QUALITY

TABLE, CHART • 2012 – 2021

SOURCE: EUROFER

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	% shares 2021
Carbon steel non alloy	126,567	122,978	125,055	122,269	121,039	125,407	124,163	117,144	103,244	118,328	77.5%
Carbon steel other alloy	25,269	24,454	25,063	25,944	26,264	28,396	28,808	26,528	22,851	27,354	17.9%
Stainless steel	7,167	6,885	6,947	6,915	6,996	7,066	7,095	6,573	6,122	6,953	4.6%
Total Crude Steel	159,003	154,318	157,065	155,129	154,298	160,869	160,066	150,244	132,217	152,634	100%



EU finished steel production: by product category

All qualities • in '000 metric tonnes

EU TOTAL FINISHED STEEL PRODUCTION BY PRODUCT

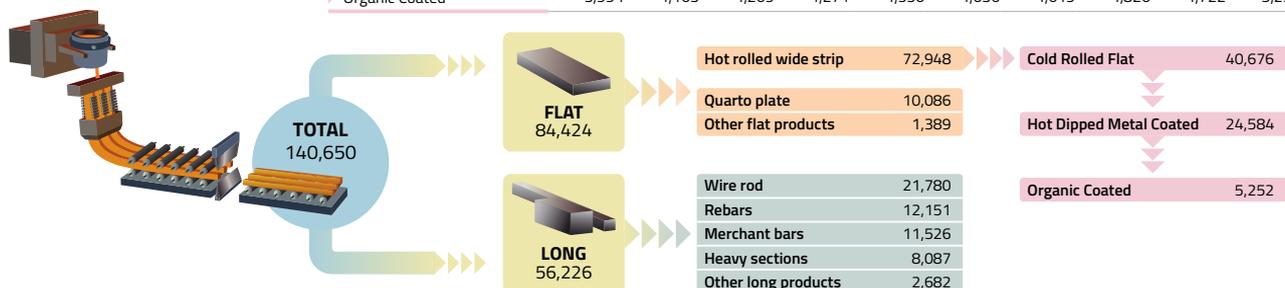
TABLE, CHART • 2012 – 2021

SOURCE: EUROFER

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Total Hot Rolled	145,358	142,250	144,052	142,874	143,653	147,772	148,478	139,199	123,664	140,650
▶ of which flat products	88,538	87,822	89,328	87,746	88,538	91,747	91,481	85,082	74,720	84,424
▶ Quarto Plate	11,553	10,245	10,860	10,350	10,383	10,994	11,024	10,109	9,137	10,086
▶ Hot Rolled Wide Strip	75,585	76,223	77,074	76,053	76,734	79,256	78,977	73,578	64,339	72,948
▶ Other flat products	1,400	1,354	1,395	1,344	1,422	1,498	1,480	1,395	1,244	1,389
▶ of which long products	56,820	54,428	54,723	55,128	55,115	56,025	56,997	54,117	48,944	56,226
▶ Wire Rod	19,673	19,123	19,192	19,776	19,510	20,479	21,067	20,175	18,428	21,780
▶ Rebars	14,290	12,871	12,708	12,454	12,852	12,195	12,320	12,435	11,294	12,151
▶ Merchant Bars	11,191	11,371	11,869	11,664	11,535	12,146	12,285	10,833	9,515	11,526
▶ Heavy Sections	8,825	8,073	8,024	8,210	8,573	8,568	8,605	8,013	7,172	8,087
▶ Other long products	2,842	2,990	2,931	3,025	2,646	2,636	2,719	2,662	2,535	2,682

Products obtained from upstream production – from Hot Rolled Wide Strip

▶ Cold Rolled Flat	40,563	41,213	42,357	42,616	43,551	44,641	43,643	41,320	36,058	40,676
▶ Hot Dipped	23,125	23,956	25,703	26,223	26,599	27,292	26,836	25,851	22,454	24,584
▶ Organic Coated	3,994	4,163	4,269	4,271	4,530	4,636	4,619	4,826	4,722	5,252



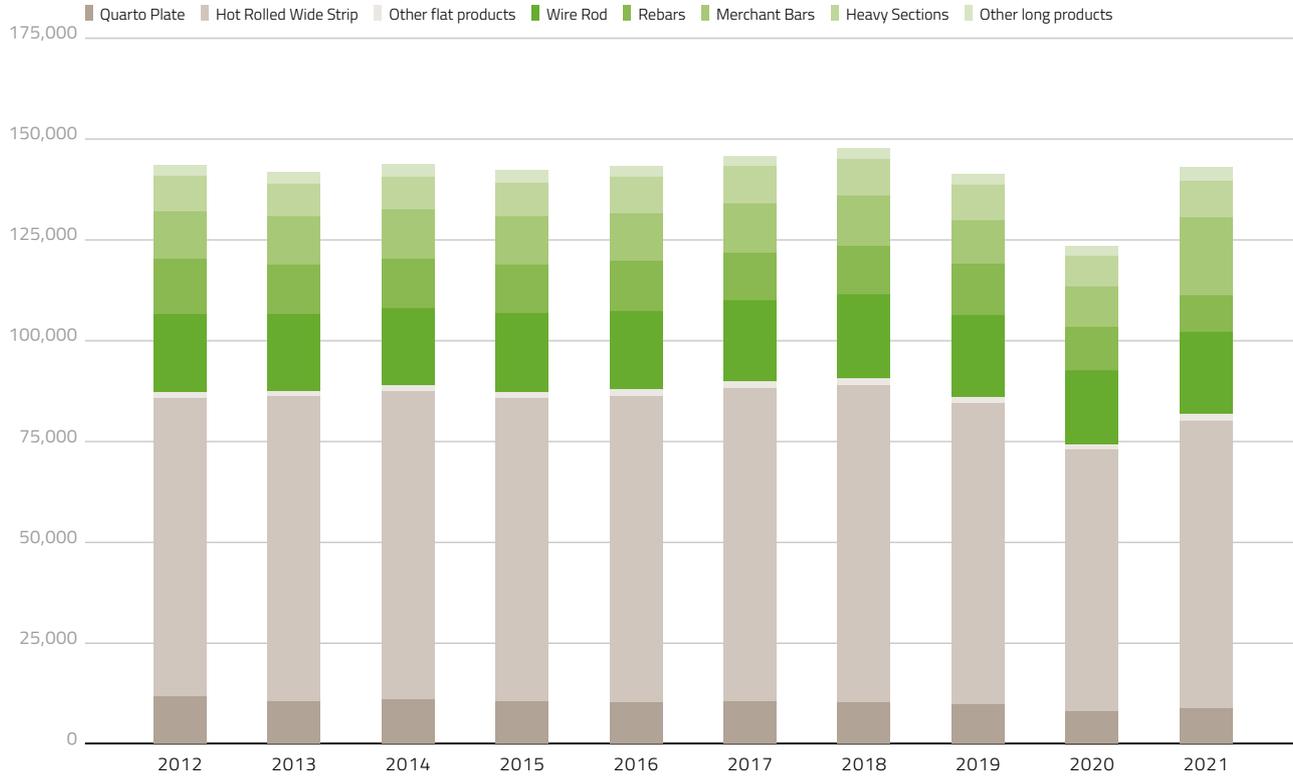
EU Hot Rolled finished steel production: by product category

All qualities • in '000 metric tonnes

EU HOT ROLLED FINISHED STEEL PRODUCTION

CHART • 2012 – 2021

SOURCE: EUROFER



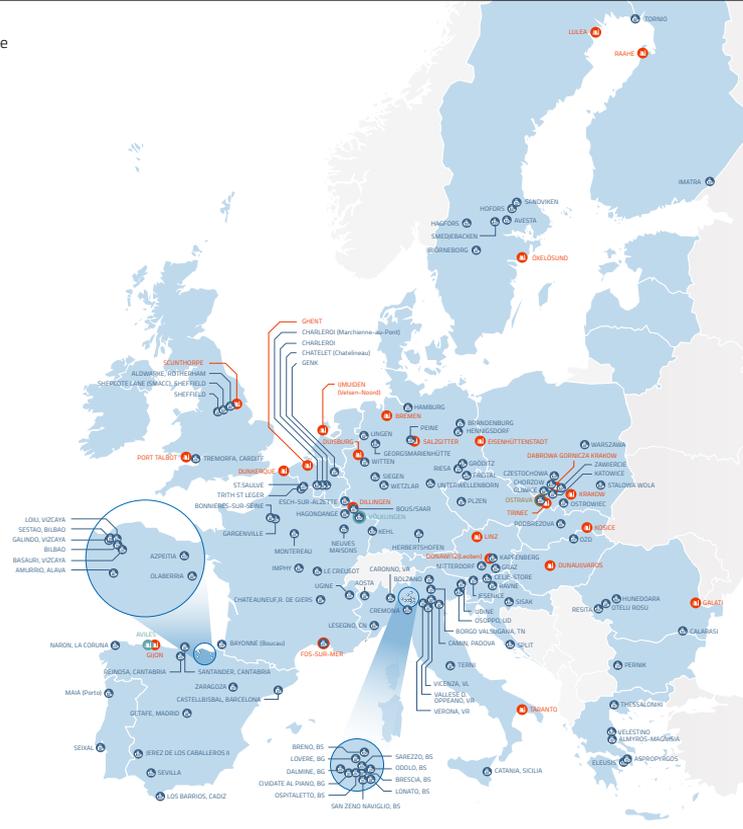
Map of steel production in Europe

PRIMARY AND SECONDARY STEEL PRODUCTION ACROSS THE EU

MAP • STATUS: 2020

SOURCE: EUROFER

-  Blast Furnace & Basic Oxygen Furnace
-  Blast Furnace only
-  Basic Oxygen Furnace only
-  Electric Arc Furnace



EUROPEAN STEEL IN FIGURES 2022

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STEEL USE & MARKET SUPPLY



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Consumption: Real and apparent steel consumption

All products, all qualities • in '000 metric tonnes

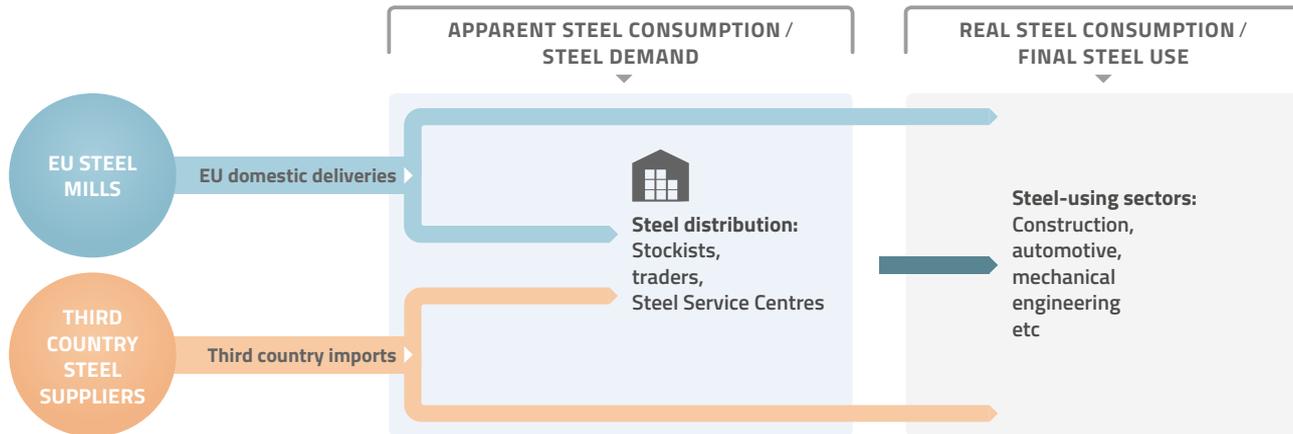
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ROUTES TO MARKET OR FINAL USE OF STEEL PRODUCTS

DIAGRAM

SOURCE: EUROFER

Steel used in the EU is a mix of domestic production & imports from third countries



EU steel mills and third country steel suppliers deliver steel products to the EU steel market.

The steel market has different levels. Steel products can be sold 'indirectly' to operators in steel distribution or sold 'directly' to steel-using sectors.

Operators in **steel distribution** include steel service centres, stockists and traders. They stock and sell products. Service centres and stockists provide additional services to **steel-using sectors** such as

cutting, slitting, drilling, bending, etc. Inventory levels in steel distribution vary over time, reflecting seasonal demand patterns and – to some extent – speculation.

Apparent steel consumption – often referred to as steel demand or market supply – is the total of all steel delivered to the steel market, including steel products that are being stocked rather than consumed immediately by the steel-using sectors.

Real steel consumption – or final steel use – is the quantity of steel that actually is consumed by steel using sectors in their production processes.

The difference between real and apparent steel consumption is the change in steel inventories over a given period.

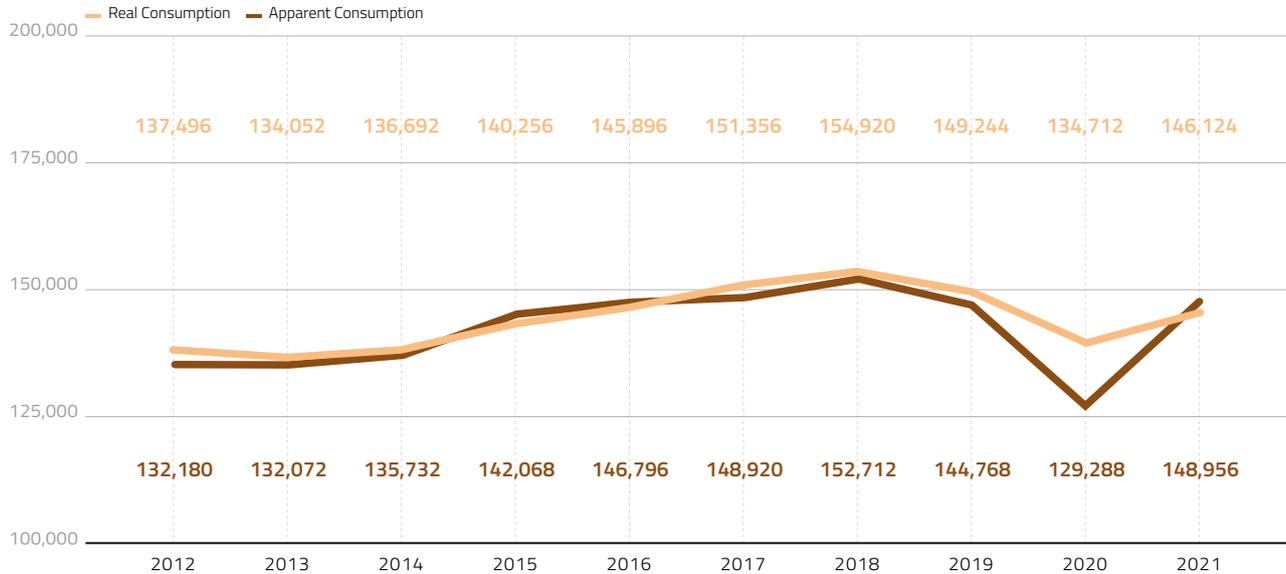
Consumption: Real & apparent steel consumption

All products, all qualities • in '000 metric tonnes

REAL VS APPARENT CONSUMPTION

GRAPH • 2012 – 2021

SOURCE: EUROFER



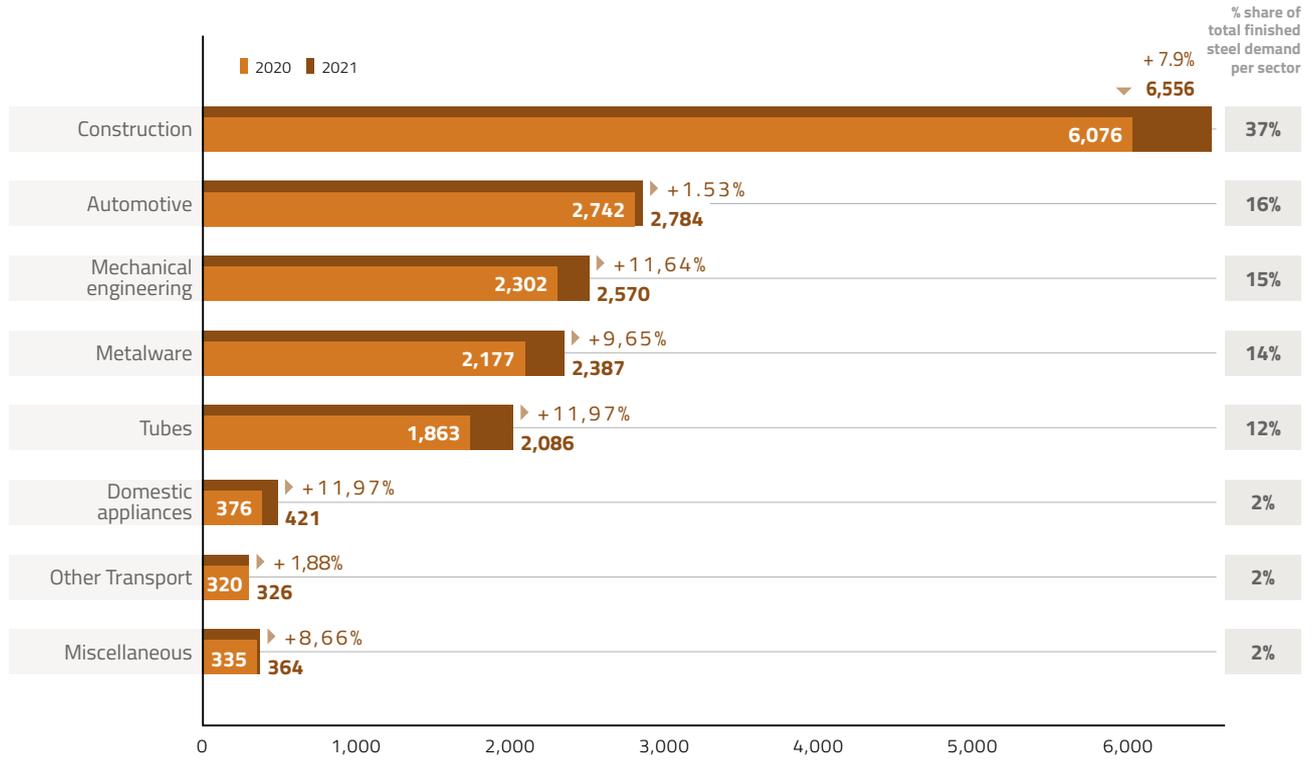
Consumption: by sector of economic activity

All products, all qualities ▪ in '000 monthly metric tonnes

STEEL CONSUMPTION PER STEEL-USING SECTOR

CHART ▪ 2020 – 2021

SOURCE: EUROFER



Note: Consumption by steel-using sector is calculated using the Steel-Weighted Industrial Production (SWIP) index, which is used to estimate changes in production activity in these sectors.

Stock change

All products, all qualities • in '000 metric tonnes

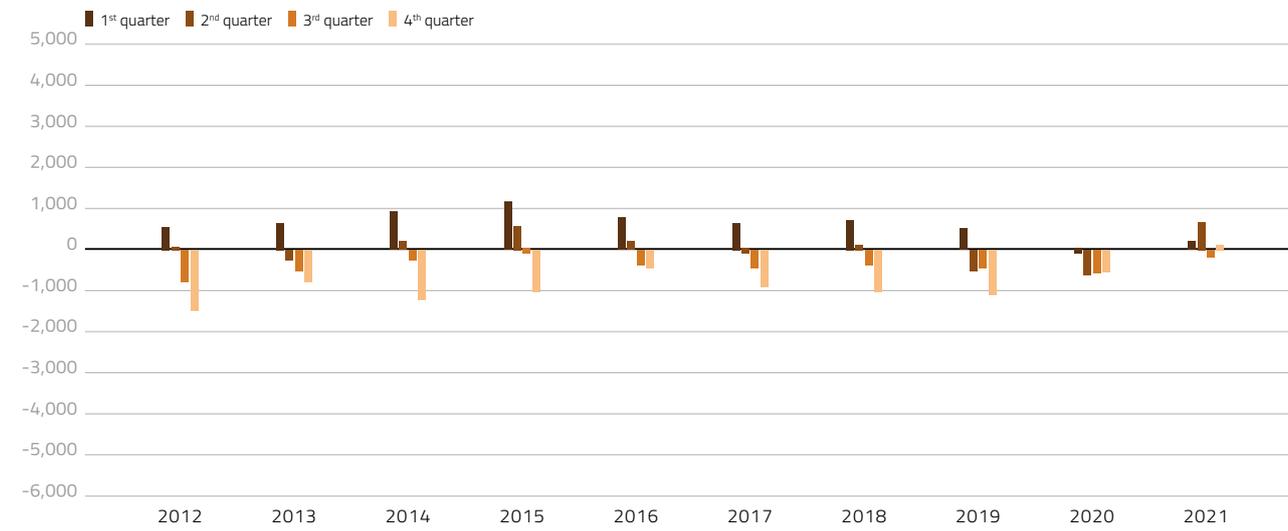
STOCK CHANGE

TABLE ■ 2012 – 2021

SOURCE: EUROFER

Changes in stock levels explain the difference between real & apparent steel consumption

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
1 st quarter	626	693	972	1104	863	722	797	470	-47	197
2 nd quarter	12	-107	207	558	218	-92	26	-487	-643	762
3 rd quarter	-897	-498	-260	-25	-365	-522	-524	-386	-582	-115
4 th quarter	-1,514	-747	-1,237	-1,033	-418	-919	-1,035	-1,092	-540	99



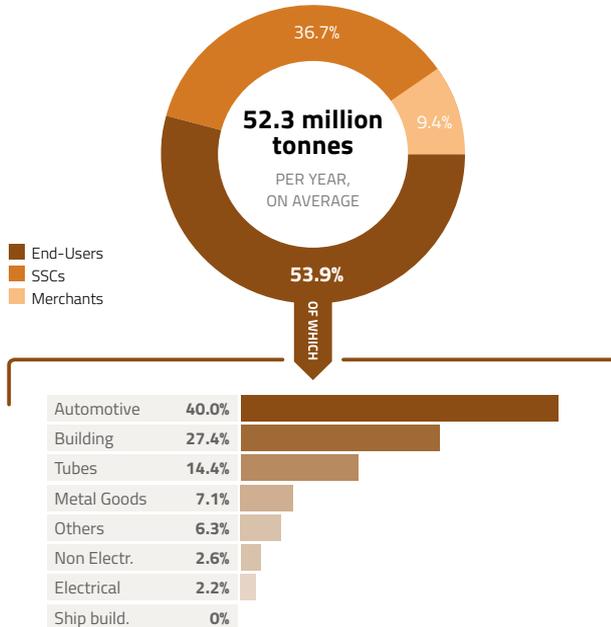
Consumption by steel-using sectors is calculated using the Steel-Weighted Industrial Production (SWIP) index, which is used to estimate changes in economic activity.

Specific flat product deliveries: Strip mill products & quarto plate

EU STRIP MILL PRODUCT DELIVERIES GRAPHIC ■ 2017/2021

SOURCE: EUROFER

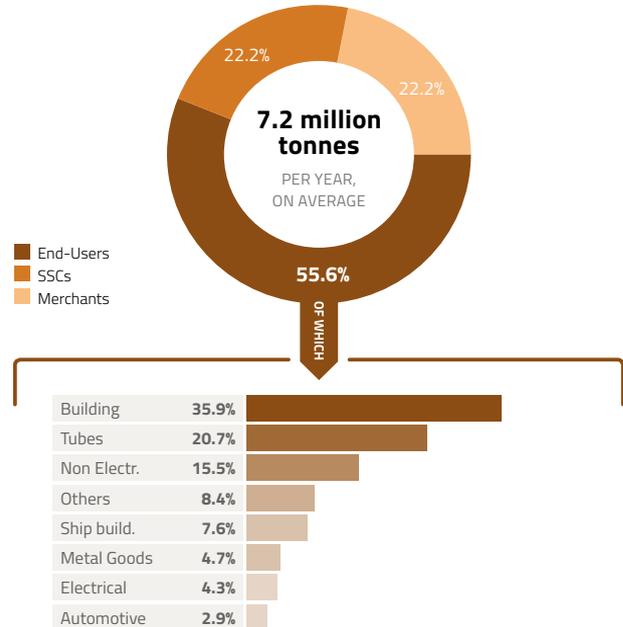
Strip mill products are flat products used in a variety of downstream applications.



EU QUARTO PLATE DELIVERIES GRAPHIC ■ 2017/2021

SOURCE: EUROFER

Quarto plate is a thicker gauge of flat steel used in heavy applications.



Market supply: Total flat products

Non-alloy and other alloy steels • in '000 metric tonnes

TOTAL FLAT PRODUCTS

TABLE ■ 2012 – 2021

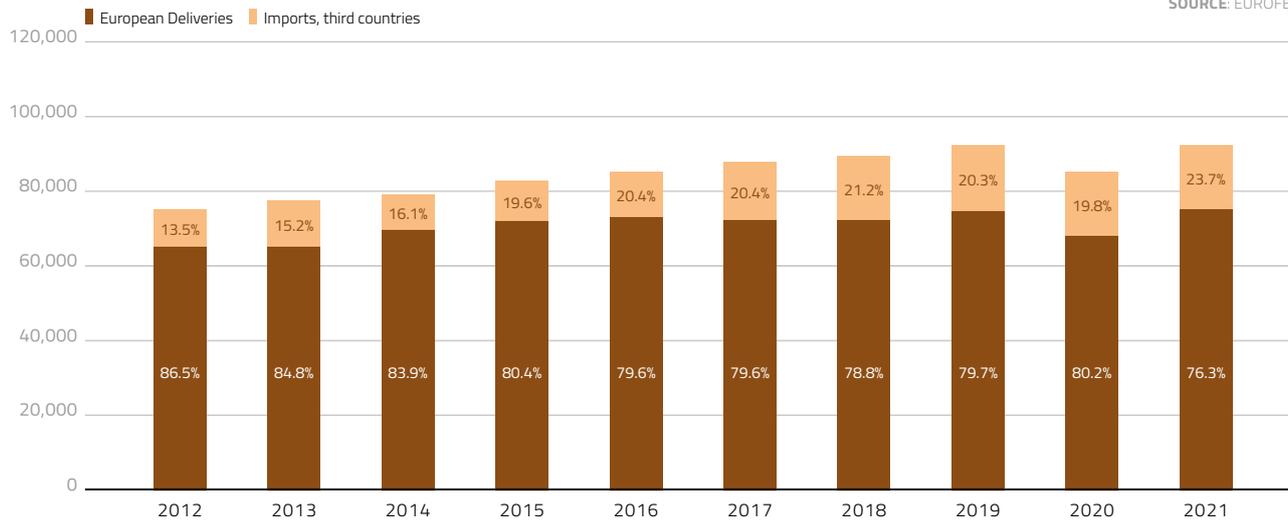
SOURCE: EUROFER

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	% shares 2021
European Deliveries	65,804	65,858	66,730	67,533	69,379	69,988	70,451	67,172	59,466	65,763	76.3%
Imports third countries	10,289	11,784	12,766	16,514	17,784	17,934	18,966	17,112	14,650	20,476	23.7%
Market Supply	76,093	77,642	79,495	84,047	87,163	87,922	89,417	84,284	74,116	86,239	100%

TOTAL FLAT PRODUCTS

CHART ■ 2012 – 2021

SOURCE: EUROFER



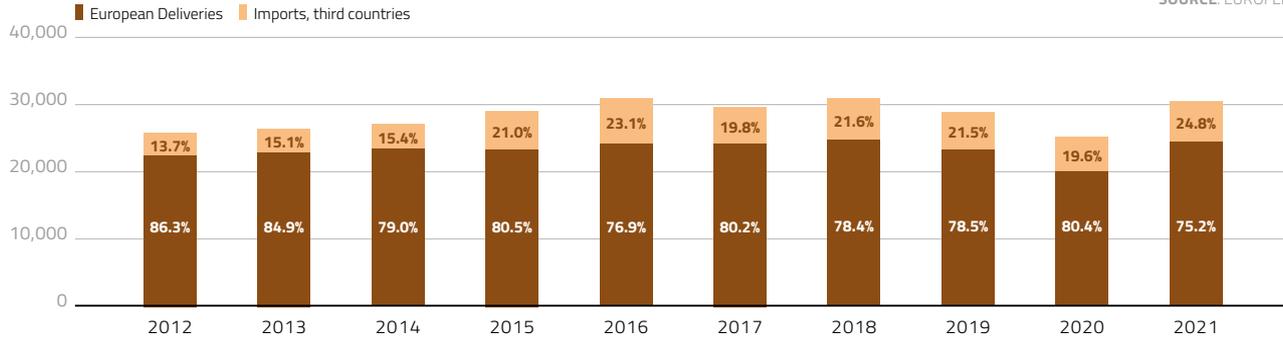
Market supply: Hot rolled flat & cold rolled sheet

Non-alloy and other alloy steels • in '000 metric tonnes

HOT ROLLED FLAT PRODUCTS

CHART • 2012 – 2021

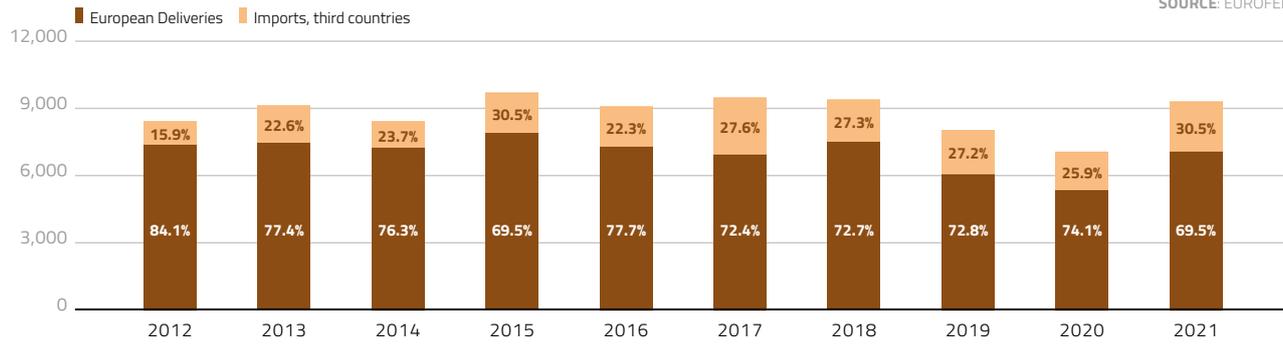
SOURCE: EUROFER



COLD ROLLED SHEETS

CHART • 2012 – 2021

SOURCE: EUROFER



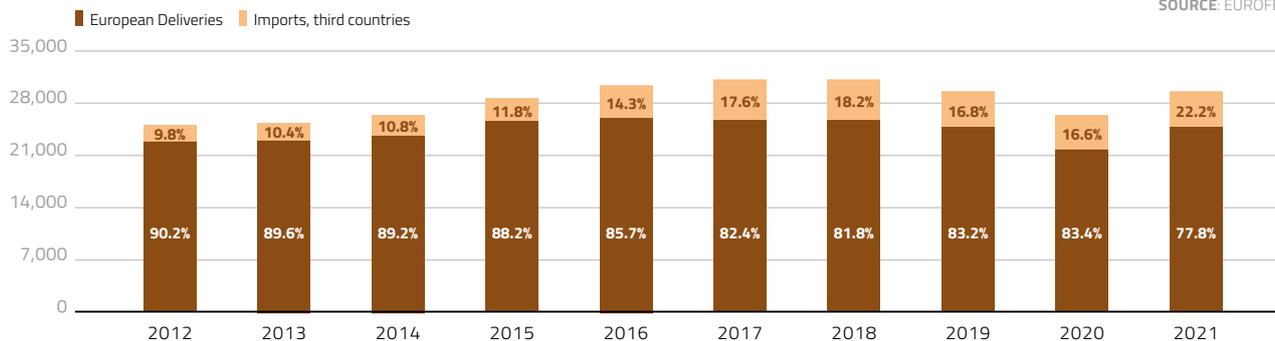
Market supply: Coated sheets & quarto plate

Non-alloy and other alloy steels • in '000 metric tonnes

TOTAL COATED SHEETS

CHART • 2012 – 2021

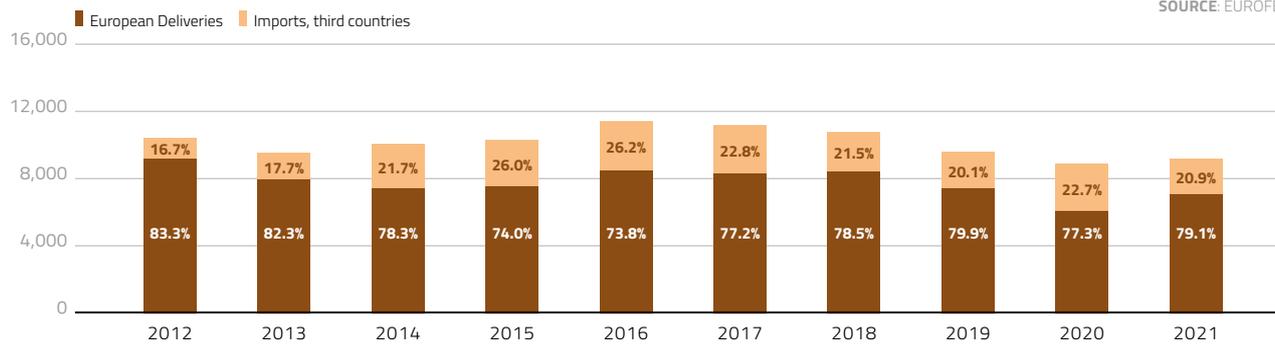
SOURCE: EUROFER



QUARTO PLATE

CHART • 2012 – 2021

SOURCE: EUROFER



Market supply: Total long products

Non-alloy and other alloy steels • in '000 metric tonnes

32

TOTAL LONG PRODUCTS

TABLE ■ 2012 – 2021

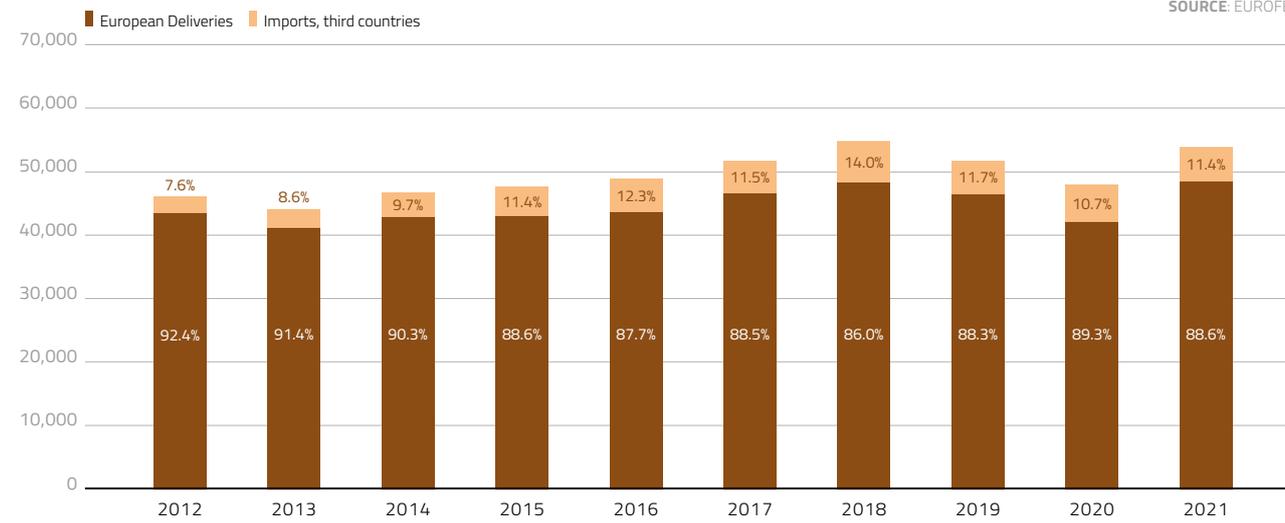
SOURCE: EUROFER

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	% shares 2021
European Deliveries	42,702	40,799	41,805	42,032	43,136	46,093	47,327	45,937	43,031	48,451	88,6%
Imports, third countries	3,532	3,825	4,503	5,404	6,029	6,000	7,707	6,096	5,136	6,204	11,4%
Market Supply	46,235	44,624	46,308	47,436	49,165	52,093	55,034	52,034	48,167	54,655	100%

TOTAL LONG PRODUCTS

CHART ■ 2012 – 2021

SOURCE: EUROFER



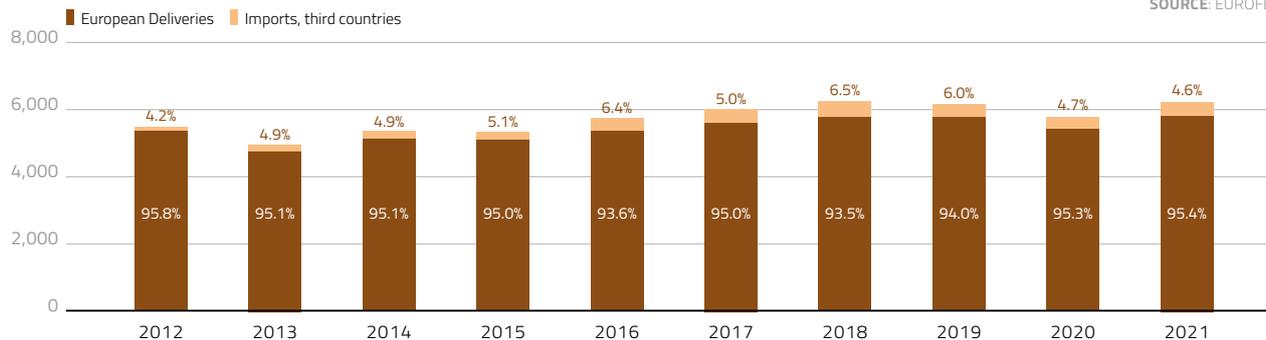
Market supply: Beams & rebar

Non-alloy and other alloy steels • in '000 metric tonnes

BEAMS

CHART • 2012 – 2021

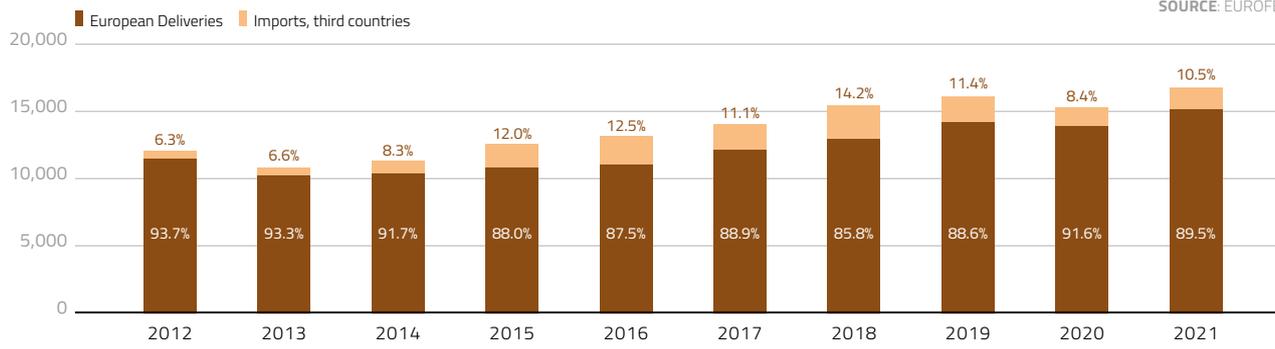
SOURCE: EUROFER



REBAR, INCLUDING DEFORMED RODS

CHART • 2012 – 2021

SOURCE: EUROFER



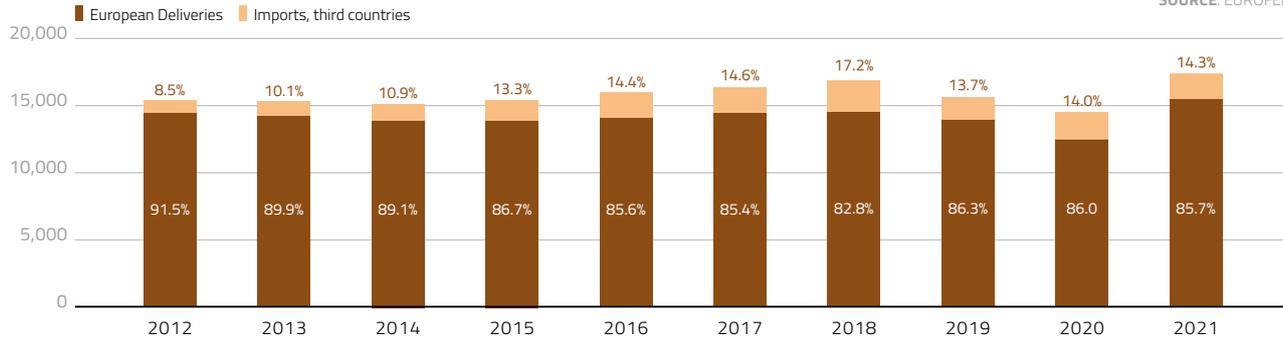
Market supply: Wire rod & merchant bar

Non-alloy and other alloy steels • in '000 metric tonnes

WIRE ROD, EXCLUDING DEFORMED RODS

CHART • 2012 – 2021

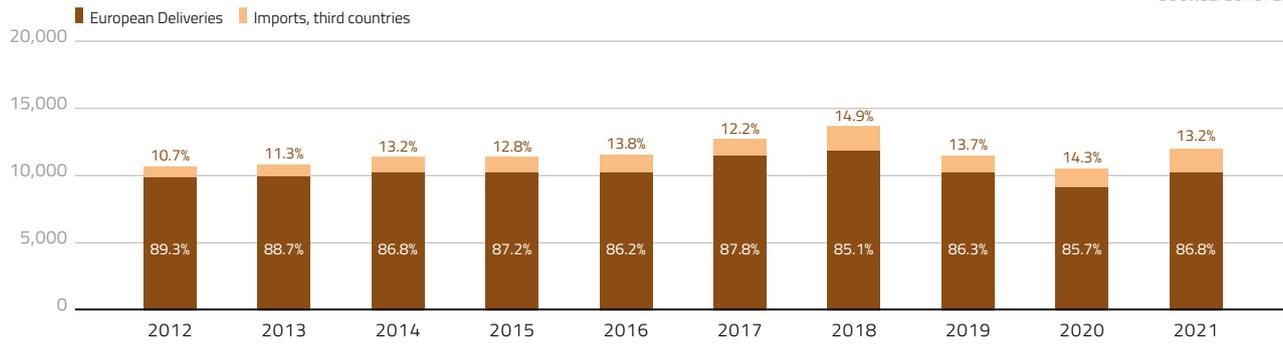
SOURCE: EUROFER



MERCHANT BARS

CHART • 2012 – 2021

SOURCE: EUROFER



EUROPEAN STEEL IN FIGURES 2022

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INTERNATIONAL TRADE



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Imports into the EU: Total

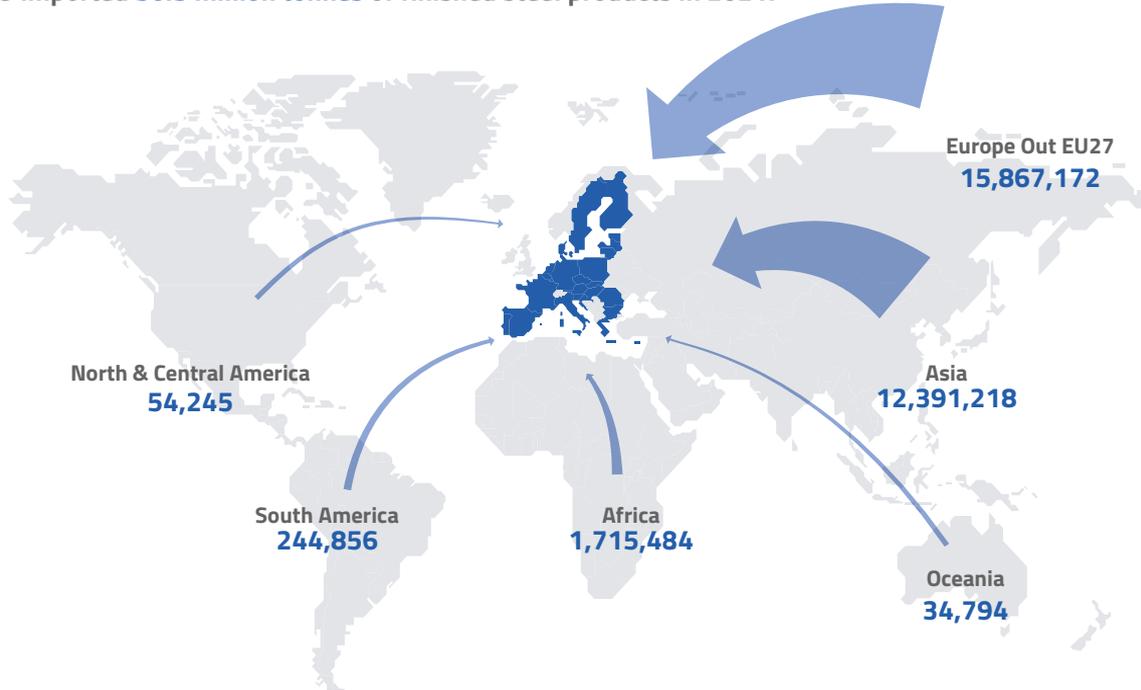
All qualities • in metric tonnes

TOTAL IMPORTS INTO THE EU

MAP • 2021

SOURCE: EUROFER

The EU imported **30.3 million tonnes** of finished steel products in 2021.



Imports into the EU: Total

TOTAL IMPORTS INTO THE EU

TABLE ■ 2012 – 2021

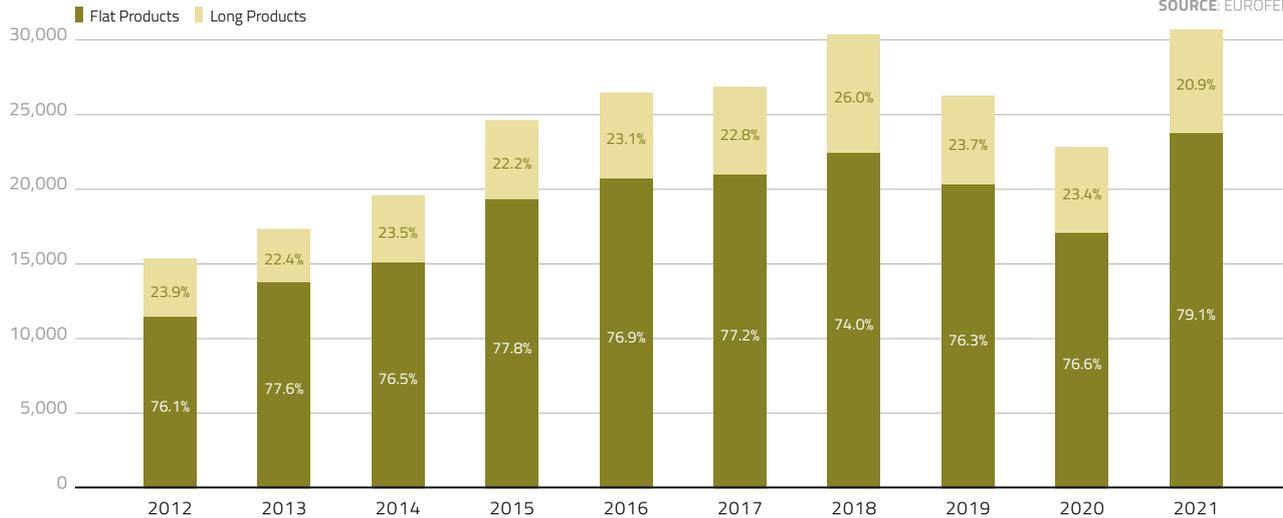
SOURCE: EUROFER

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	% shares 2021
Flat Products	11,580	13,624	15,167	19,327	20,543	20,782	22,348	20,112	17,167	23,991	79,1%
Long Products	3,637	3,942	4,650	5,526	6,157	6,130	7,865	6,234	5,247	6,337	20,9%
Finished Products	15,217	17,566	19,817	24,853	26,700	26,912	30,213	26,346	22,414	30,328	100%

TOTAL IMPORTS INTO THE EU

CHART ■ 2012 – 2021

SOURCE: EUROFER



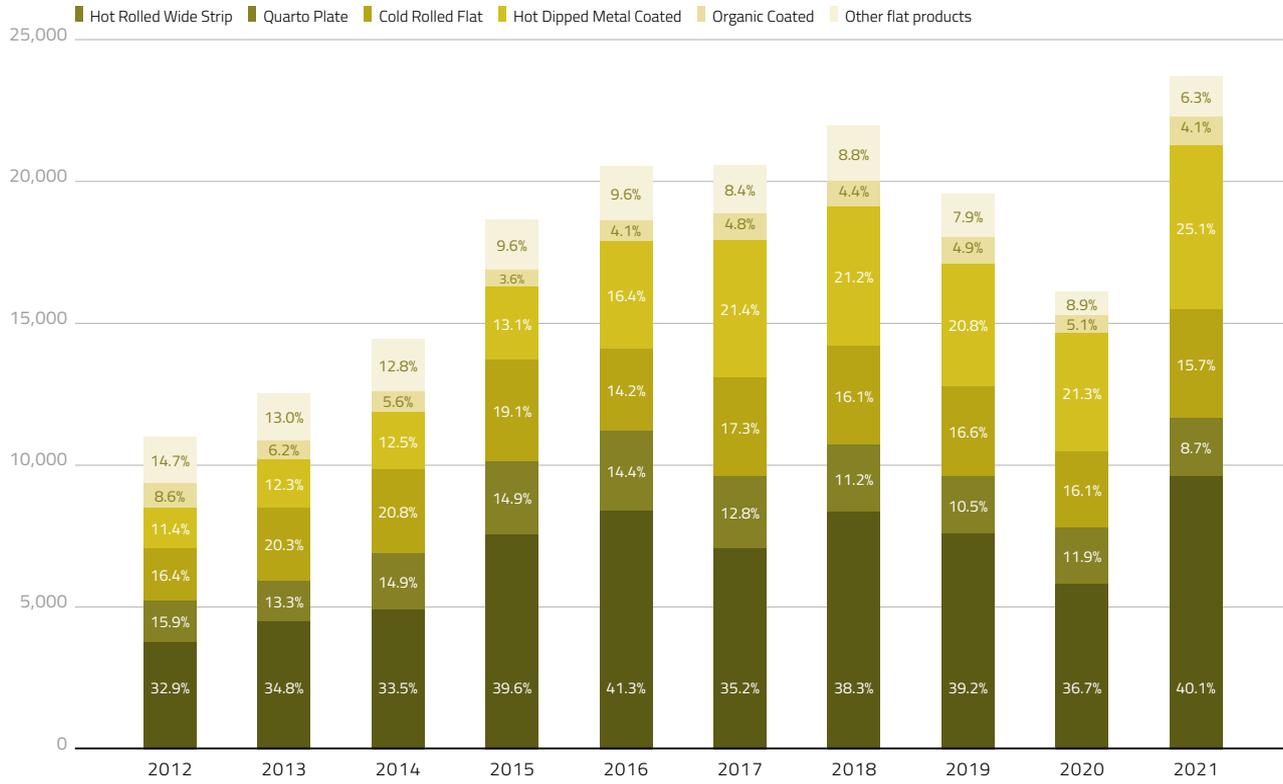
Imports into the EU: Flat products

All qualities • in '000 metric tonnes

FLAT PRODUCT IMPORTS INTO THE EU BY PRODUCT

CHART • 2012 – 2021

SOURCE: EUROFER

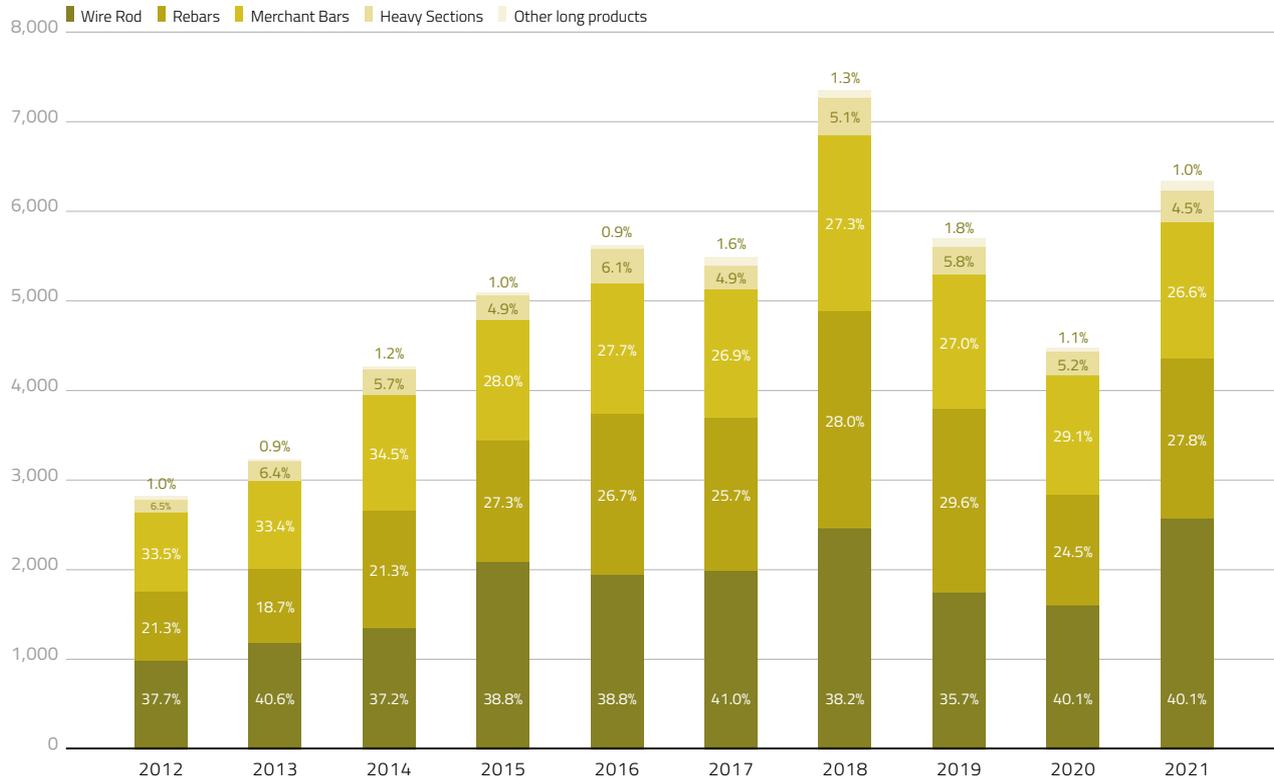


Imports into the EU: Long products

LONG PRODUCT IMPORTS INTO THE EU BY PRODUCT

CHART • 2012 – 2021

SOURCE: EUROFER



Imports: top 10 countries of origin

All qualities • in '000 metric tonnes

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TOP 10 IMPORTS OF ALL FINISHED PRODUCTS RANKED BY COUNTRY OF ORIGIN

TABLE • 2012 – 2021

SOURCE: EUROFER

Countries ranked according to their 2021 order

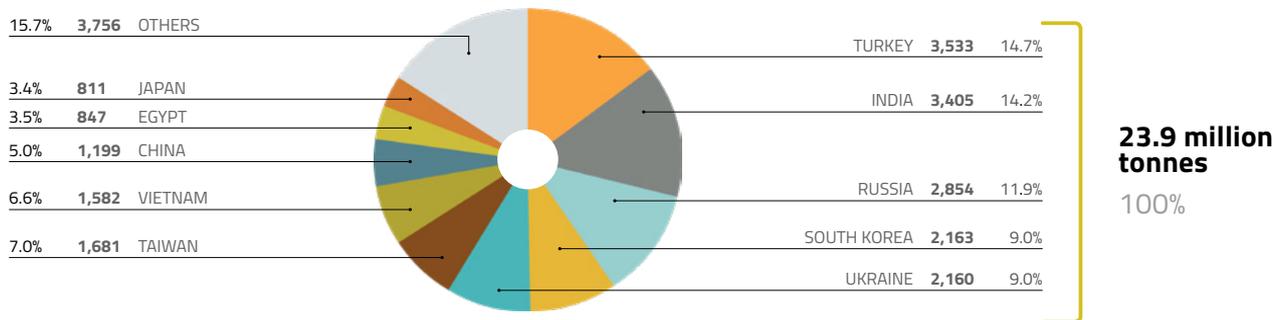
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
TURKEY	891	1,645	1,254	1,295	2,044	3,420	5,833	5,472	3,876	4,588
RUSSIA	2,240	2,530	2,536	3,292	3,369	2,330	3,582	2,914	3,133	3,732
INDIA	935	1,157	1,391	1,140	1,822	3,568	2,670	2,123	1,872	3,540
UKRAINE	1,812	1,991	2,215	2,500	2,942	2,110	1,821	1,718	1,600	2,546
SOUTH KOREA	1,138	1,294	1,397	1,897	2,523	2,884	3,194	2,683	2,622	2,286
TAIWAN	318	529	636	412	705	1,062	1,511	1,220	951	1,699
VIETNAM	15	34	30	43	45	279	495	425	285	1,582
CHINA	2,483	2,737	3,855	6,170	5,249	3,110	2,781	2,346	1,182	1,443
EGYPT	129	158	200	37	84	572	453	208	347	955
JAPAN	144	97	140	135	283	151	197	188	252	854
OTHERS	5,112	5,394	6,163	7,932	7,634	7,426	7,676	7,049	6,294	7,103
TOTAL	15,217	17,566	19,817	24,853	26,700	26,912	30,213	26,346	22,414	30,328

Imports: Top 10 countries of origin by product category

TOP 10 FLAT PRODUCTS IMPORTS

CHART • 2021

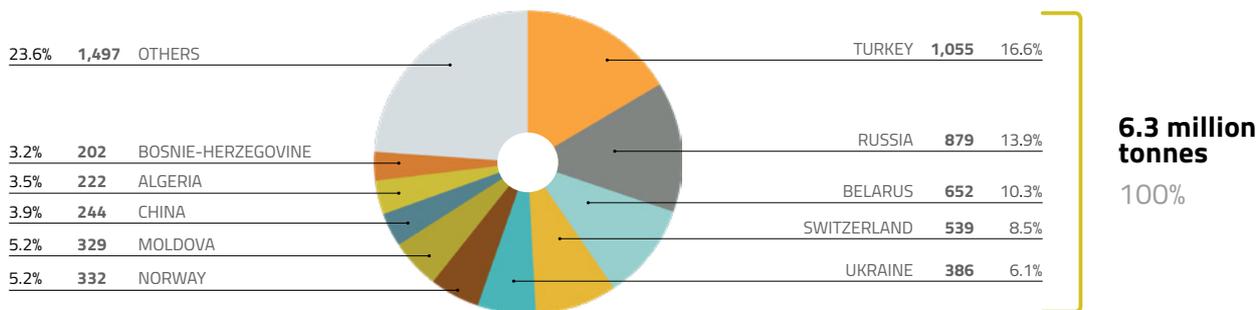
SOURCE: EUROFER



TOP 10 LONG PRODUCT IMPORTS

CHART • 2021

SOURCE: EUROFER



Exports from the EU: Total

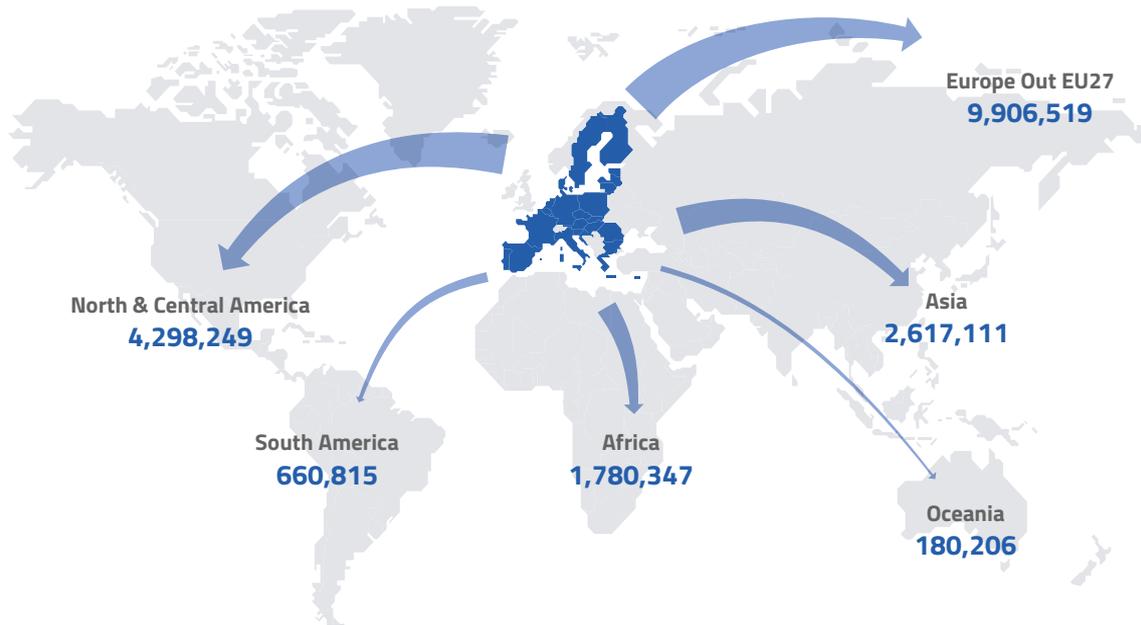
All qualities • in metric tonnes

TOTAL EXPORTS FROM THE EU

MAP • 2021

SOURCE: EUROFER

The EU exported **19.4 million tonnes** of finished steel products in 2021.



Exports from the EU: Total

All qualities • in '000 metric tonnes

TOTAL EXPORTS FROM THE EU

TABLE ■ 2012 – 2021

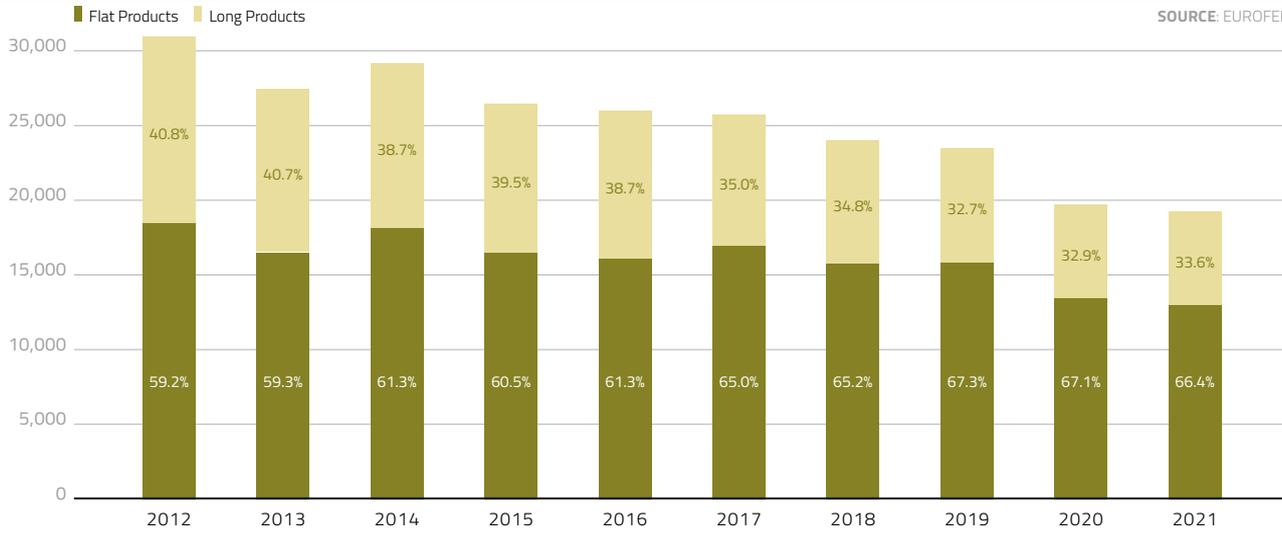
SOURCE: EUROFER

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	% shares 2021
Flat Products	18,226	16,952	17,993	16,789	16,475	17,079	15,769	16,030	13,349	12,913	66,4%
Long Products	12,571	11,633	11,376	10,939	10,394	9,182	8,402	7,794	6,539	6,536	33,6%
Finished Products	30,798	28,586	29,369	27,728	26,869	26,261	24,170	23,823	19,888	19,449	100%

TOTAL EXPORTS FROM THE EU

CHART ■ 2012 – 2021

SOURCE: EUROFER



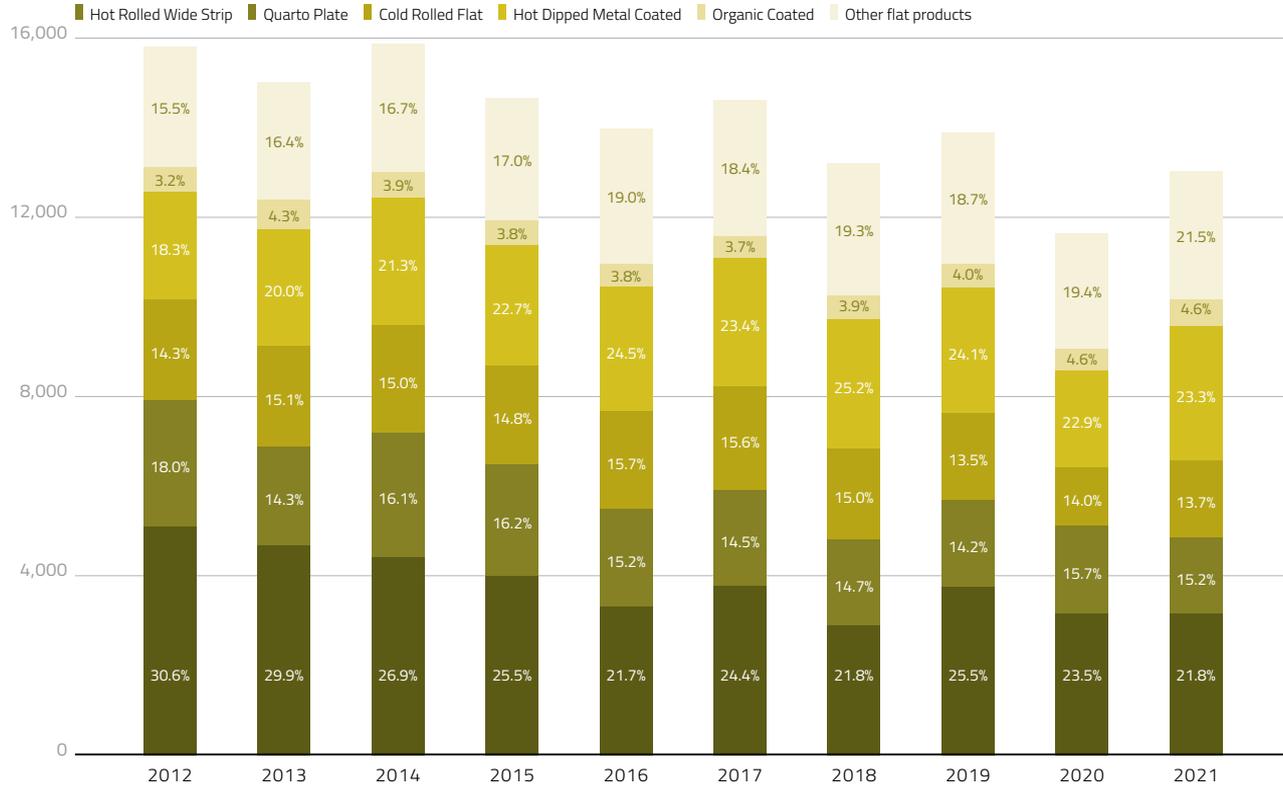
Exports from the EU: Flat products

All qualities • in '000 metric tonnes

FLAT PRODUCT EXPORTS FROM THE EU BY PRODUCT

CHART • 2012 – 2021

SOURCE: EUROFER

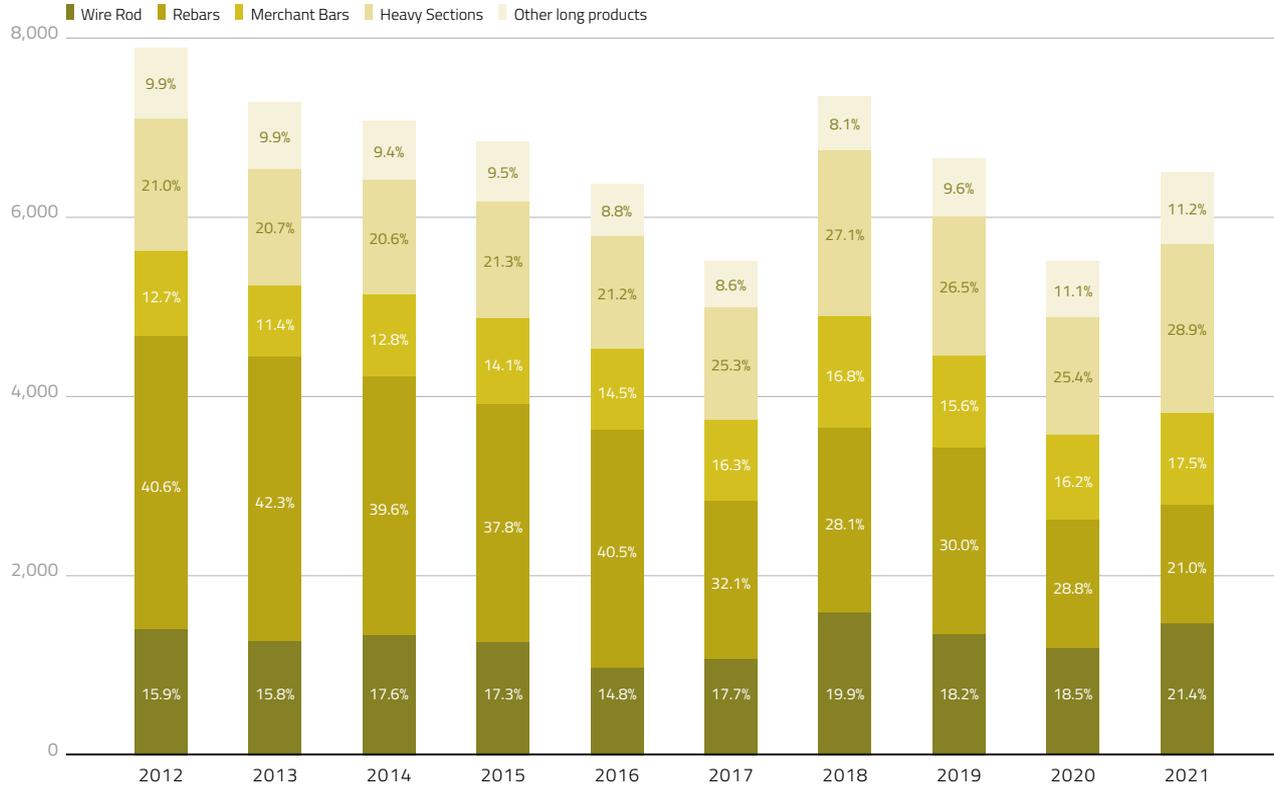


Exports from the EU: Long products

LONG PRODUCT EXPORTS FROM THE EU BY PRODUCT

CHART • 2012 – 2021

SOURCE: EUROFER



Export destinations: Top 10 countries

All qualities • in '000 metric tonnes

47

TOP 10 EXPORT DESTINATIONS FOR ALL FINISHED PRODUCTS

TABLE • 2012 – 2021

SOURCE: EUROFER

Countries ranked according to their 2021 order

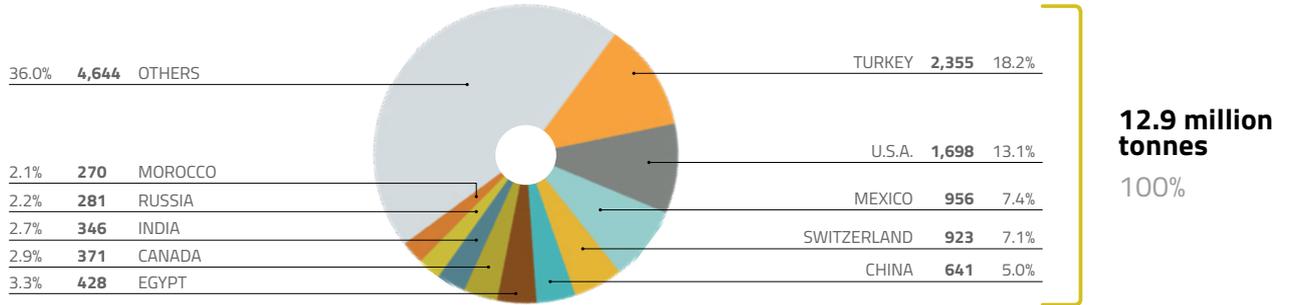
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
TURKEY	4,149	4,411	3,923	4,152	3,936	4,458	3,023	3,656	3,189	2,975
U.S.A.	2,633	2,742	3,581	3,255	3,044	3,224	3,276	2,473	1,647	2,226
SWITZERLAND	1,909	1,876	1,828	1,704	1,838	1,886	1,871	1,702	1,554	1,703
MEXICO	985	790	716	577	730	870	1,197	1,012	961	1,227
CHINA	869	916	1,059	882	992	1,120	1,085	887	1,042	842
CANADA	488	394	551	745	619	531	664	713	732	722
EGYPT	441	331	320	425	465	475	537	596	646	497
NORWAY	493	452	487	435	519	483	480	461	415	441
MOROCCO	613	786	641	582	655	642	598	613	524	432
INDIA	1,171	555	637	641	722	429	472	443	411	417
OTHERS	17,047	15,333	1,626	14,330	13,349	12,143	10,967	11,267	8,767	7,967
TOTAL	30,798	28,586	29,369	27,728	26,869	26,261	24,170	23,823	19,888	19,449

Export destinations: by product category

TOP FLAT PRODUCT EXPORT DESTINATIONS

CHART • 2021

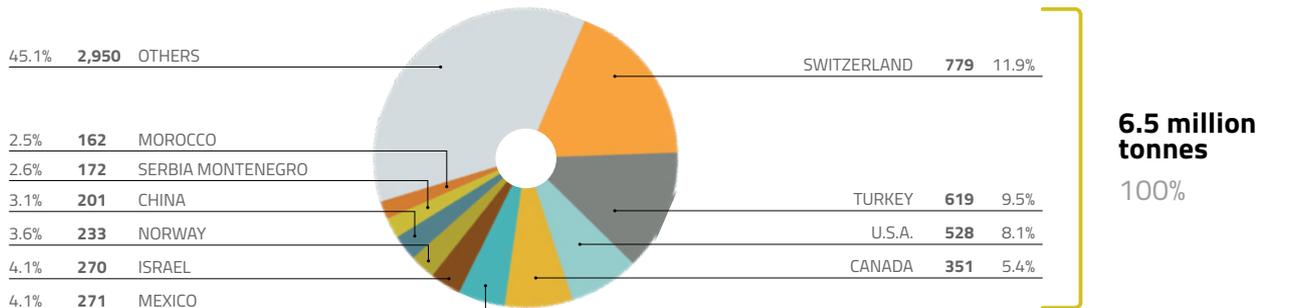
SOURCE: EUROFER



TOP LONG PRODUCT EXPORT DESTINATIONS

CHART • 2021

SOURCE: EUROFER



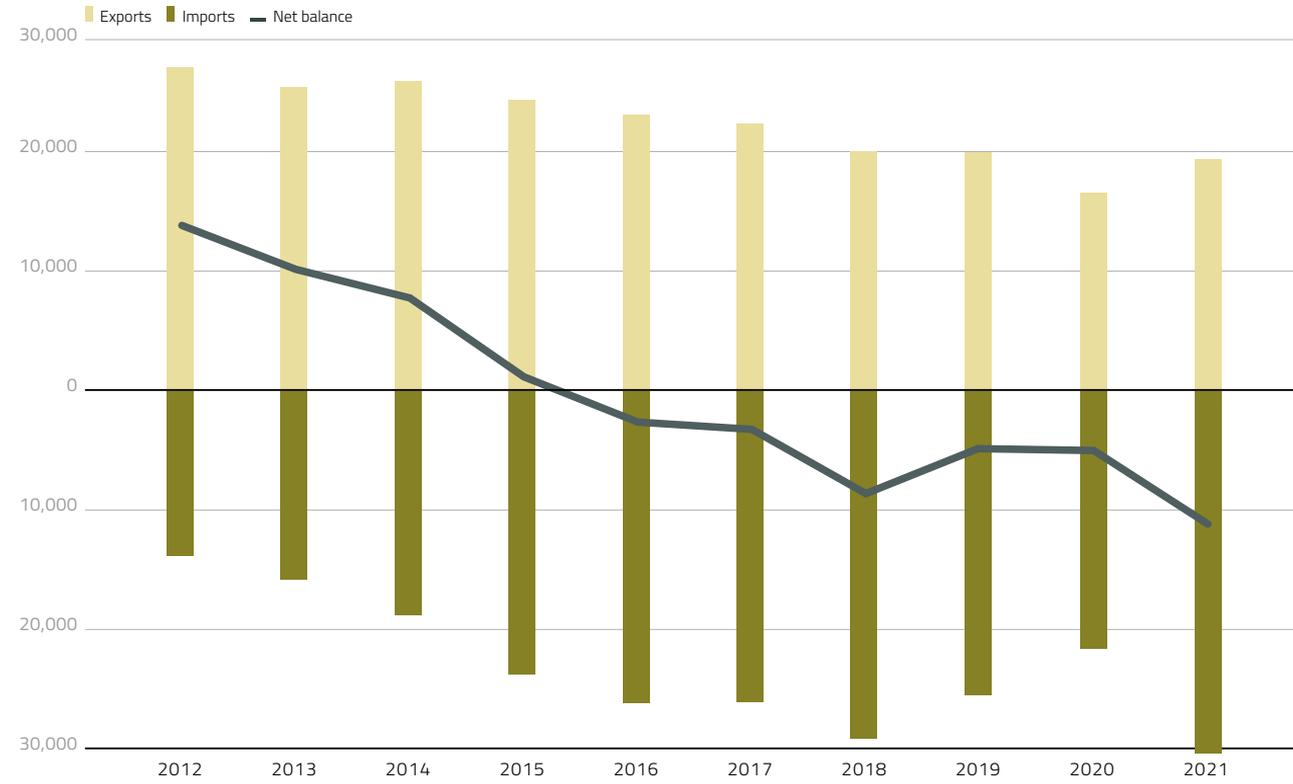
EU trade balance: by volume

All qualities • in '000 metric tonnes

FINISHED PRODUCTS NET TRADE BALANCE BY VOLUME

CHART • 2012 – 2021

SOURCE: EUROFER



EUROPEAN STEEL IN FIGURES 2022

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STAINLESS STEEL



STAINLESS STEEL

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Stainless steel market supply: Total flat products

In '000 metric tonnes

52

TOTAL STAINLESS FLAT PRODUCT DELIVERIES BY SOURCE

TABLE ■ 2012 – 2021

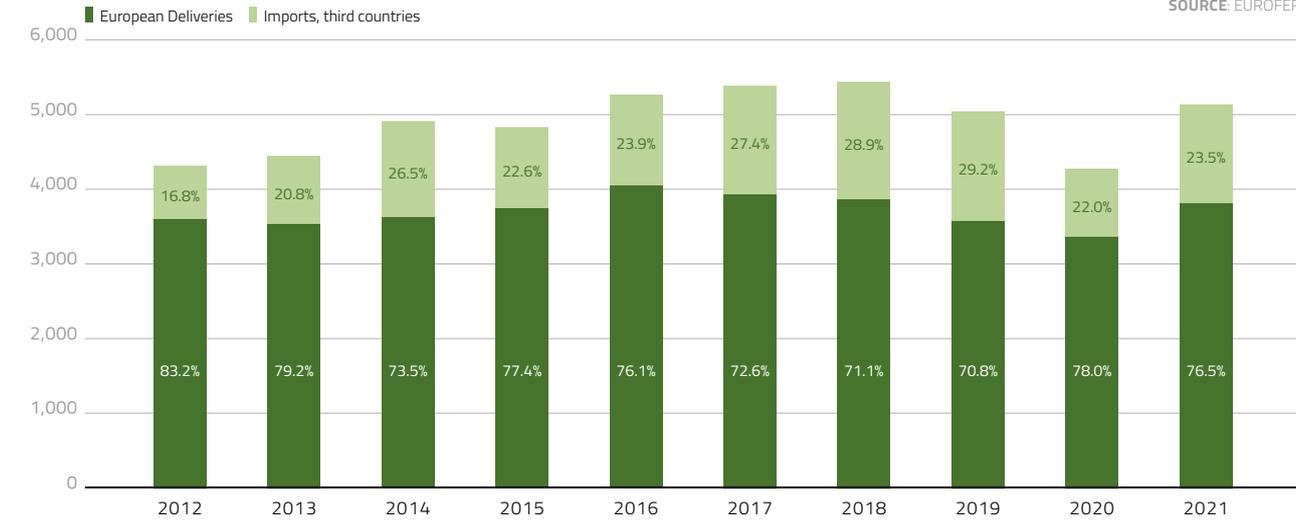
SOURCE: EUROFER

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	% shares 2021
European Deliveries	3,462	3,393	3,479	3,607	3,899	3,797	3,762	3,573	3,410	3,935	76.5%
Imports, Third Countries	698	891	1,257	1,053	1,224	1,434	1,527	1,474	964	1,212	23.5%
Market Supply	4,160	4,284	4,736	4,660	5,123	5,231	5,289	5,047	4,374	5,147	100%

TOTAL STAINLESS FLAT PRODUCT DELIVERIES BY SOURCE

CHART ■ 2012 – 2021

SOURCE: EUROFER



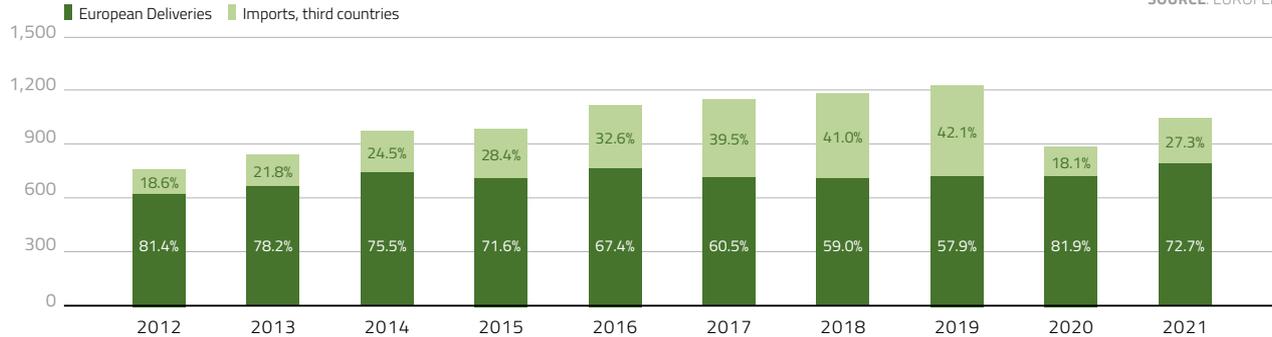
Stainless steel market supply: Hot rolled strip mill & plates

In '000 metric tonnes

HOT ROLLED STRIP MILL PRODUCTS

CHART ■ 2012 – 2021

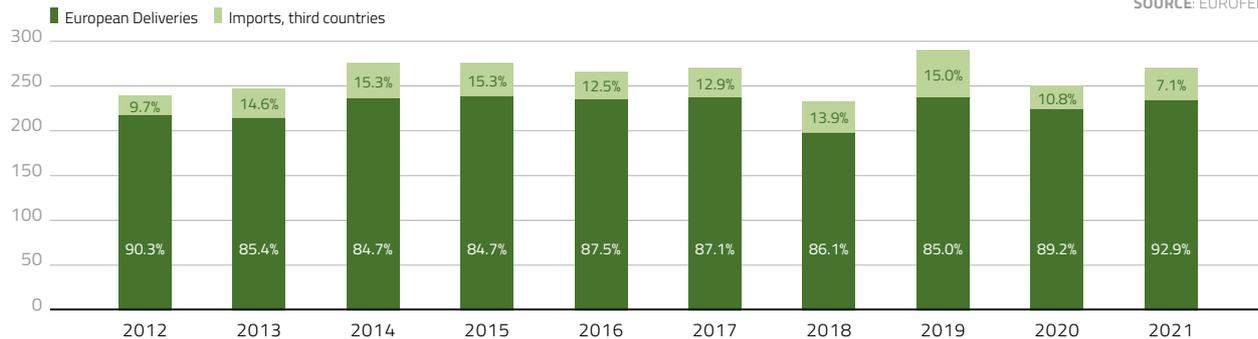
SOURCE: EUROFER



PLATES

CHART ■ 2012 – 2021

SOURCE: EUROFER



Stainless steel market supply: Hot & cold rolled flat

In '000 metric tonnes

HOT ROLLED FLAT PRODUCTS

CHART ■ 2012 – 2021

SOURCE: EUROFER



COLD ROLLED FLAT PRODUCTS

CHART ■ 2012 – 2021

SOURCE: EUROFER



Stainless steel market supply: Long products

TOTAL STAINLESS LONG PRODUCT DELIVERIES BY SOURCE

TABLE ■ 2012 – 2021

SOURCE: EUROFER

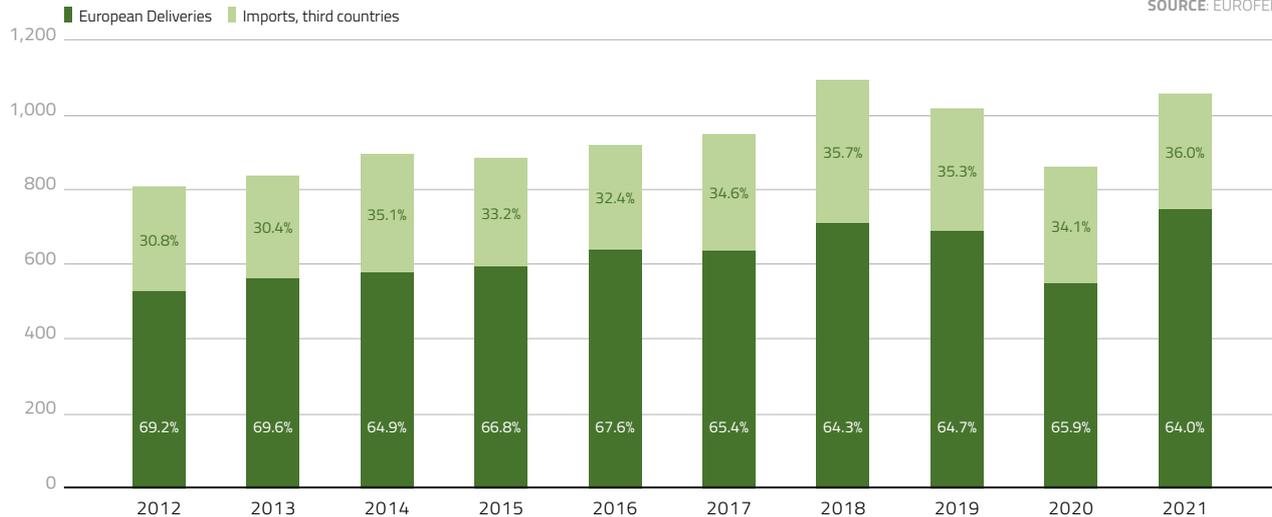
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	% shares 2021
European Deliveries	556	577	587	594	633	624	709	657	573	671	64.0%
Imports, Third Countries*	248	252	318	295	304	330	394	359	296	378	36.0%
Market Supply	804	829	905	889	937	954	1,103	1,016	869	1,049	100%

* including Bright Bars and Wires

TOTAL STAINLESS LONG PRODUCT DELIVERIES BY SOURCE

CHART ■ 2012 – 2021

SOURCE: EUROFER



Stainless steel market supply: Hot rolled bars & sections and wire rod In '000 metric tonnes

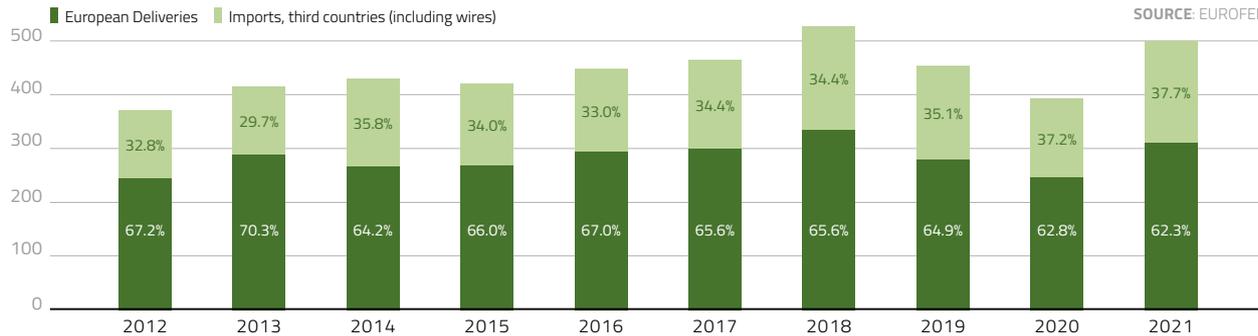
HOT ROLLED BARS & SECTIONS

CHART ▪ 2012 – 2021



WIRE ROD

CHART ▪ 2012 – 2021



Imports into the EU: Total stainless steel

In '000 metric tonnes

IMPORTS OF FINISHED STAINLESS STEELS BY PRODUCT

TABLE ■ 2012 – 2021

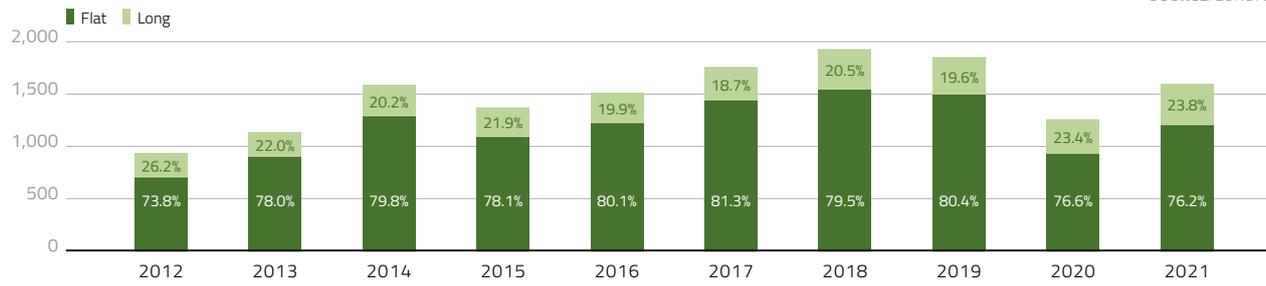
SOURCE: EUROFER

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Finished Products	946	1,143	1,575	1,348	1,528	1,764	1,921	1,833	1,259	1,590
▶ of which flat products	698	891	1,257	1,053	1,224	1,434	1,527	1,474	964	1,212
▶ Hot Rolled sheets and strips	111	140	183	216	305	378	400	431	122	254
▶ Plates	23	35	41	42	33	34	33	43	27	19
▶ Cold Rolled Flat	543	684	991	747	839	962	1,024	929	776	893
▶ of which long products	248	253	317	295	304	330	394	359	295	378
▶ Wire Rod	60	63	81	68	71	75	87	71	61	70
▶ Merchant Bars	44	54	66	54	57	55	70	66	50	62
▶ Bright Bars	79	75	95	97	97	111	143	133	100	128
▶ Drawn Wires	65	60	76	76	79	89	94	89	85	118
▶ Flat	73,8%	78,0%	79,8%	78,1%	80,1%	81,3%	79,5%	80,4%	76,6%	76,2%
▶ Long	26,2%	22,0%	20,2%	21,9%	19,9%	18,7%	20,5%	19,6%	23,4%	23,8%

IMPORTS OF FINISHED STAINLESS STEELS BY PRODUCT CATEGORY

CHART ■ 2012 – 2021

SOURCE: EUROFER



Exports from the EU: Total stainless steel

In '000 metric tonnes

58

EXPORTS OF FINISHED STAINLESS STEELS BY PRODUCT

TABLE ■ 2012 – 2021

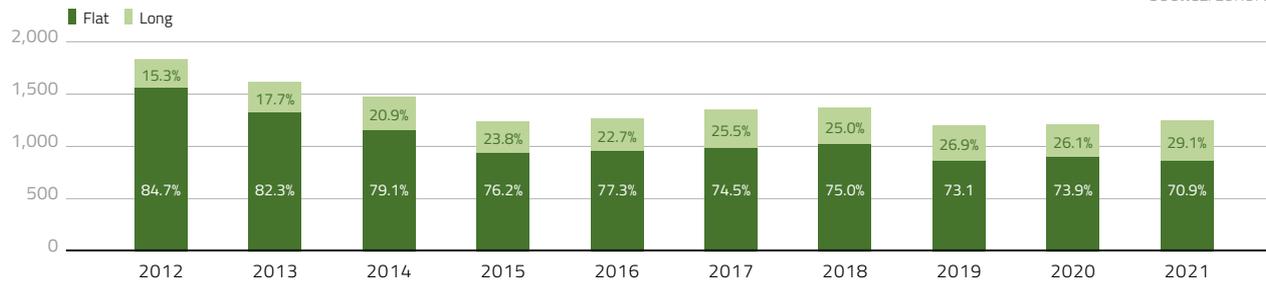
SOURCE: EUROFER

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Finished Products	2,064	1,832	1,710	1,473	1,499	1,563	1,589	1,383	1,224	1,253
▶ of which flat products	1,749	1,508	1,352	1,122	1,159	1,165	1,192	1,011	905	889
▶ Hot Rolled sheets and strips	651	448	308	194	205	230	244	164	118	124
▶ Plates	94	90	114	107	99	91	105	99	90	74
▶ Cold Rolled Flat	841	834	806	715	745	734	727	640	612	600
▶ of which long products	315	324	359	351	340	398	396	372	318	364
▶ Wire Rod	62	63	68	68	67	80	75	74	58	81
▶ Merchant Bars	60	70	79	75	74	91	90	93	79	86
▶ Bright Bars	165	159	180	177	170	197	198	176	155	167
▶ Drawn Wires	28	31	31	31	29	30	34	29	26	31
▶ Flat	84,7%	82,3%	79,1%	76,2%	77,3%	74,5%	75,0%	73,1%	73,9%	70,9%
▶ Long	15,3%	17,7%	20,9%	23,8%	22,7%	25,5%	25,0%	26,9%	26,1%	29,1%

EXPORTS OF FINISHED STAINLESS STEEL BY PRODUCT CATEGORY

TABLE ■ 2012 – 2021

SOURCE: EUROFER



NET TRADE BALANCE BY VOLUME

CHART ■ 2012 – 2021

SOURCE: EUROFER



EUROPEAN STEEL IN FIGURES 2022

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SUSTAINABILITY



SUSTAINABILITY

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Imports into the EU: scrap steel

In '000 metric tonnes

IMPORTS OF SCRAP INTO THE EU

TABLE ■ 2012 – 2021

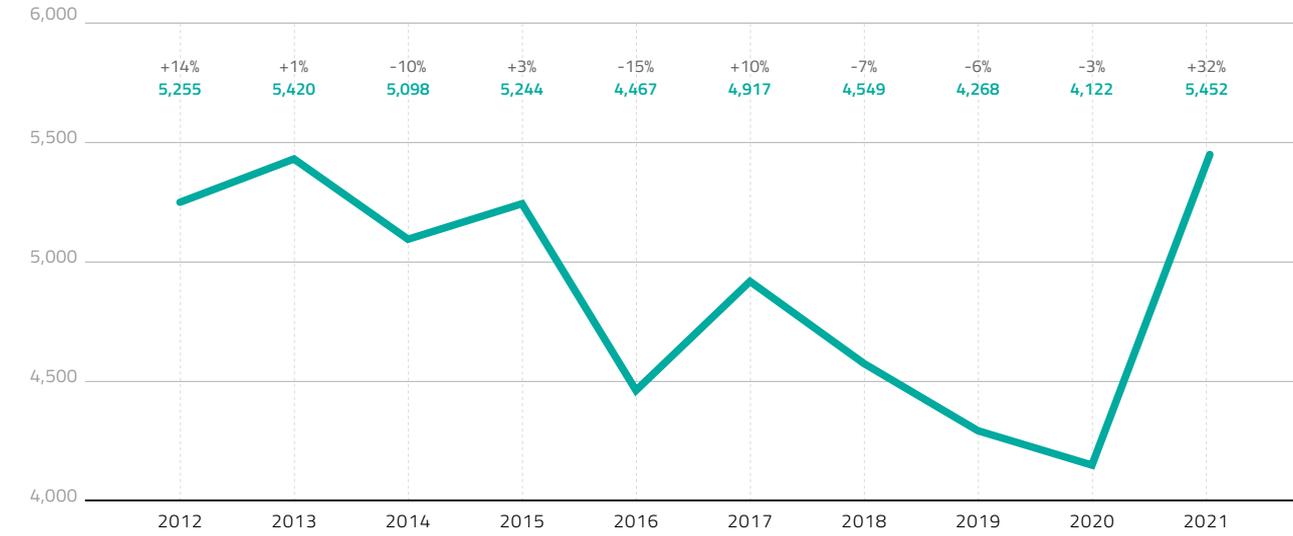
SOURCE: EUROFER

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Imports Comext	5,255	5,420	5,098	5,244	4,467	4,917	4,549	4,268	4,122	5,452

IMPORTS OF SCRAP INTO THE EU

CHART ■ 2012 – 2021

SOURCE: EUROFER



Exports from the EU: scrap steel

EXPORTS OF SCRAP FROM THE EU

TABLE ■ 2012 – 2021

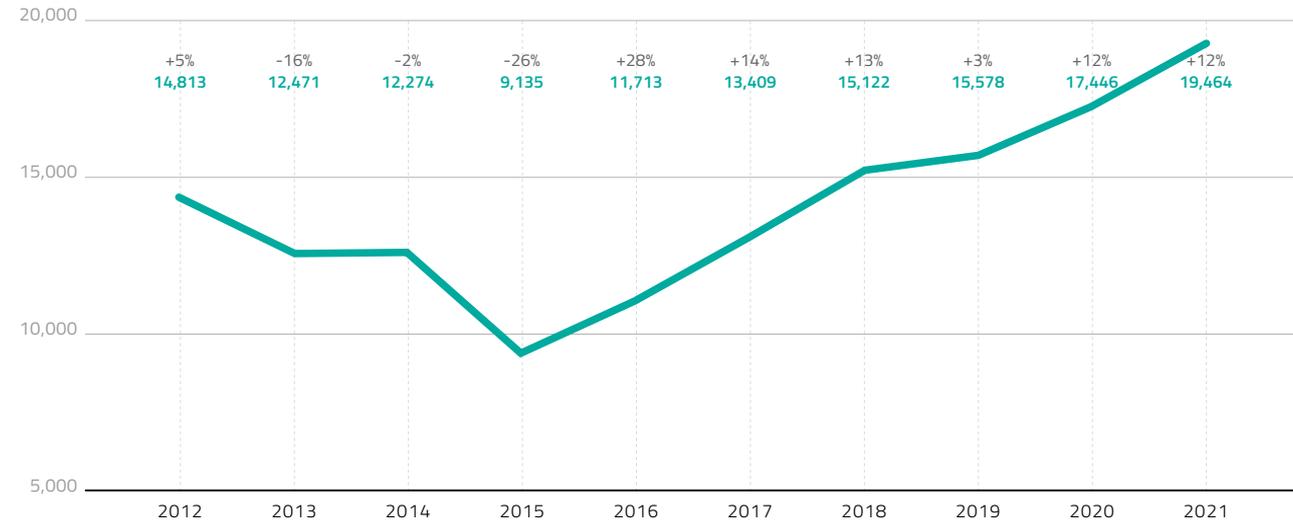
SOURCE: EUROFER

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Imports Comext	14,813	12,471	12,274	9,135	11,713	13,409	15,122	15,578	17,446	19,464

EXPORTS OF SCRAP FROM THE EU

GRAPH ■ 2012 – 2021

SOURCE: EUROFER



Consumption & net export: scrap

In '000 metric tonnes

CONSUMPTION & NET EXPORT OF SCRAP STEEL

TABLE ■ 2012 – 2021

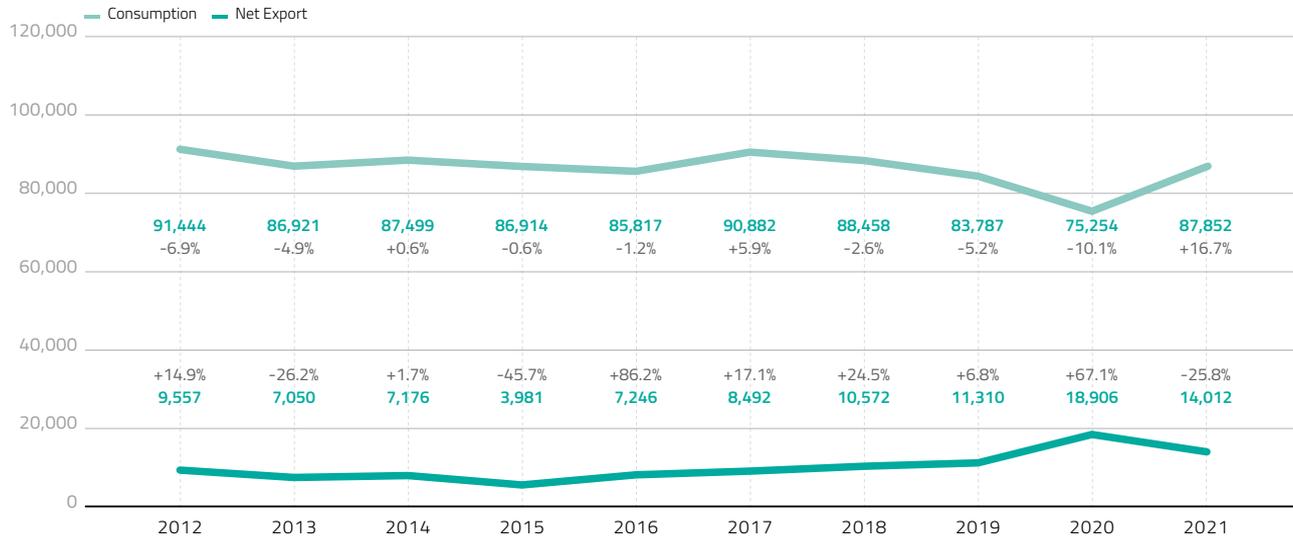
SOURCE: EUROFER

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Consumption Total	91,444	86,921	87,499	86,914	85,817	90,882	88,458	83,787	75,254	87,852
Net Export	9,557	7,050	7,176	3,891	7,246	8,492	10,572	11,310	18,906	14,012

CONSUMPTION & NET EXPORT OF SCRAP STEEL

GRAPH ■ 2012 – 2021

SOURCE: EUROFER



References & definitions

Definitions according to NACE Rev.2

▶ **Building & Civil Engineering**

- 41 Construction of buildings
 - 42 Civil engineering
 - 43 Specialised construction activities
 - 25.1 Manufacture of metal structures and part of structures
 - 25.2 Manufacture of tanks, generators, radiators, boilers
-

▶ **Mechanical Engineering**

- 28 Manufacture of machinery and equipment
 - 27.1 Manufacture of electric motors, generators, transformers
 - 25.3 Manufacture of steam generators, except central heating hot water boilers
-

▶ **Automotive**

- 29 Manufacture of motor vehicles and trailers
-

▶ **Domestic Appliances**

- 27.51 Manufacture of electric domestic appliances
-

▶ **Other Transport Equipment**

- 30 Manufacture of other transport equipment
 - 30.1 Building and repair of ships
 - 30.2 Manufacture of railway locomotives and rolling stock
 - 30.91 Manufacture of motorcycles
-

▶ **Steel Tubes**

- 24.2 Manufacture of steel tubes
-

▶ **Metal Goods**

- 25 Manufacture of fabricated metal products excluding 25.1-25.2-25.3
-

▶ **Other sectors**

- 26 Manufacture of computer, electronic and optical products
 - 27 Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus excluding 27.1 and 27.5
-

References & definitions

EU steel market definitions

SWIP

abbreviation for Steel Weighted Industrial Production index. used as a proxy for real steel consumption. Activity in the steel-using sectors is weighted with the relative share of each sector in total steel consumed by all sectors.

Real steel consumption

consumption of all steel products used by the steel-using sectors in their production processes, also referred to as “final use” of steel products.

Apparent steel consumption

also referred to as “steel demand”. It concerns the supply of all steel products delivered to the EU27 market by domestic producers in the EU or third country exporters. If apparent consumption exceeds real steel consumption, the surplus is stocked in the distribution chain. If apparent consumption is less than real steel consumption, inventories are being withdrawn. In formula: total deliveries + imports from third countries – exports to third countries – steel industry receipts

Steel industry receipts

deliveries for further processing from within the steel industry itself – subtracted to avoid double-counting of steel consumption

Narrow definition

EUROFER applies the so-called “narrow definition” which excludes steel tubes and first transformation products from the product scope used for calculating steel consumption. Hence, the steel tube sector is a steel-using sector under this definition

Steel intensity

the ratio of real steel consumption to steel weighted production in the steel-using sectors. This reflects the usually slightly negative impact on consumption of innovation in steel products, inter-material substitution, improvements in process efficiency and design, etc.



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