

**EUROFER**  
The European Steel Association

# EUROPEAN STEEL IN FIGURES

**2016 EDITION**  
COVERING 2011-2015



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EUROPEAN STEEL IN FIGURES 2016

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EU steel demand rose in 2015, and the EU steel market has continued its recovery in the first part of 2016. Demand is gradually bouncing back from the lows of 2013-2014. Indeed, apparent consumption in the EU grew by about 3.5% over 2015. However, this increase in demand was entirely absorbed by imports. As a consequence, domestic deliveries fell by 0.2% over the whole of 2015, with a particularly negative trend in the second half of the year.

Total steel imports (of all qualities, including semis) increased by 23% in 2015 to 32.3 million tonnes, 5.9 million tonnes more than in 2014. The rise in finished imports was 27%, with flat products rising 29% and long products 19% compared with 2014. Total exports fell by 9% in 2015 to 26.4 million tonnes. As a consequence of the accelerating rise in imports and sharp drop in exports, the EU became a net importer of steel in 2015, to the extent of 4.5 million tonnes. Taking into account that imports continued to grow in the first months of 2016, uncertainty over imports distorting the supply-demand balance in the EU will continue for the time being.

The impact on jobs and capacity has been significant. Direct employment in the sector is now 320,000, down from 405,000 before the economic crisis.

In this eighth edition of European Steel in Figures you will find the above information and more. It provides data on the steel industry over the last five years, including on EU demand, production, trade and employment. I hope you will find this overview a useful guide to the state of the European steel industry.

For more information, please visit our website:

[www.eurofer.eu](http://www.eurofer.eu)

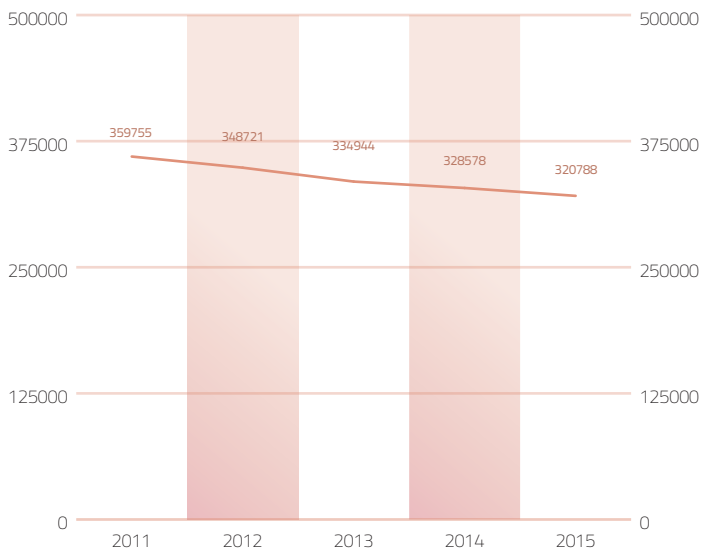
April 2016

**Axel Eggert**

Director General

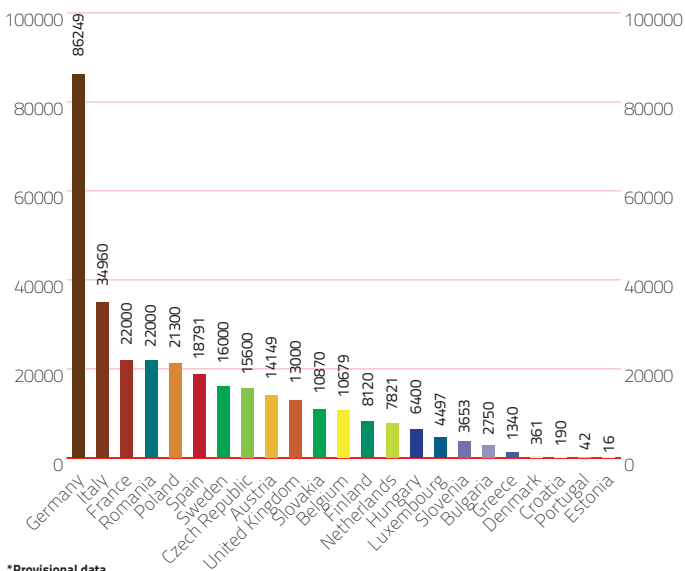
The European Steel Association (EUROFER)

## EVOLUTION OF EMPLOYMENT\*



\*Provisional data for 2015

## EMPLOYMENT LEVEL 2015\*



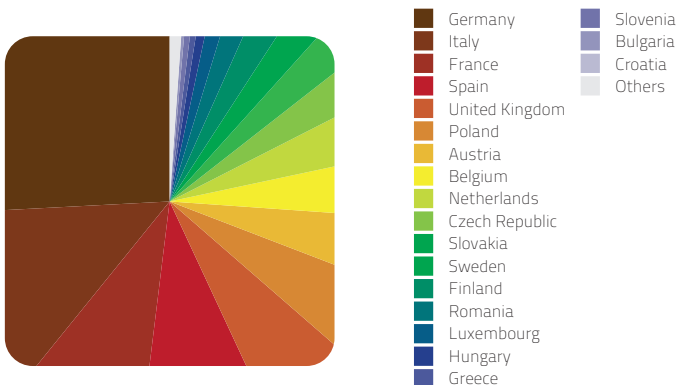
\*Provisional data

All qualities  
in '000 metric tonnes

## CRUDE STEEL OUTPUT PER COUNTRY

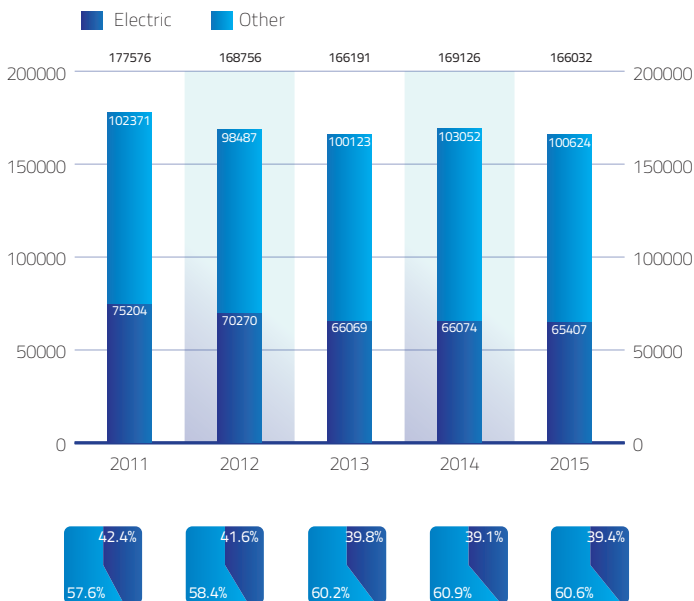
	2011	2012	2013	2014	2015	% share of EU 2015
Austria	7474	7421	7953	7876	7687	4.6
Belgium	8026	7301	7093	7331	7257	4.4
Bulgaria	835	633	523	612	543	0.3
Croatia	96	1	135	167	122	0.1
Czech Republic	5583	5072	5152	5360	5262	3.2
Finland	3986	3759	3517	3807	3988	2.4
France	15780	15607	15685	16143	14984	9
Germany	44284	42661	42645	42943	42676	25.7
Greece	1934	1247	1030	1022	910	0.5
Hungary	1732	1542	883	1131	1680	1
Italy	28735	27252	24093	23714	22002	13.3
Luxembourg	2521	2208	2089	2193	2127	1.3
Netherlands	6937	6879	6713	6964	6995	4.2
Poland	8779	8366	7950	8541	9198	5.6
Romania	3645	3292	2985	3158	3352	2
Slovakia	4242	4403	4511	4705	4562	2.7
Slovenia	665	666	654	641	625	0.4
Spain	15504	13639	14130	14187	14846	8.9
Sweden	4829	4289	4372	4514	4348	2.6
United Kingdom	9478	9753	11874	12061	10853	6.6
Others	2510	2764	2206	2053	2015	1.2
<b>EU 28</b>	<b>177576</b>	<b>168756</b>	<b>166191</b>	<b>169126</b>	<b>166032</b>	<b>100</b>

## SHARE PER COUNTRY (2015)

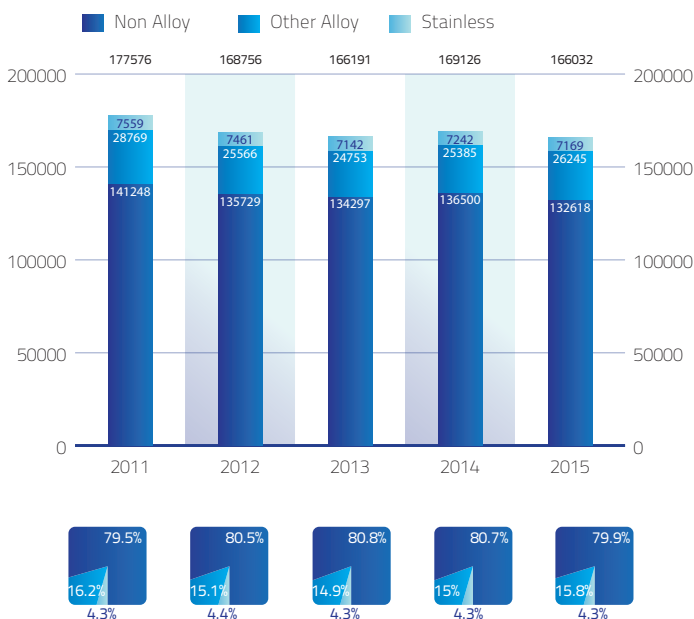


All qualities  
in '000 metric tonnes

## CRUDE STEEL PRODUCTION BY PROCESS



## CRUDE STEEL PRODUCTION BY QUALITY

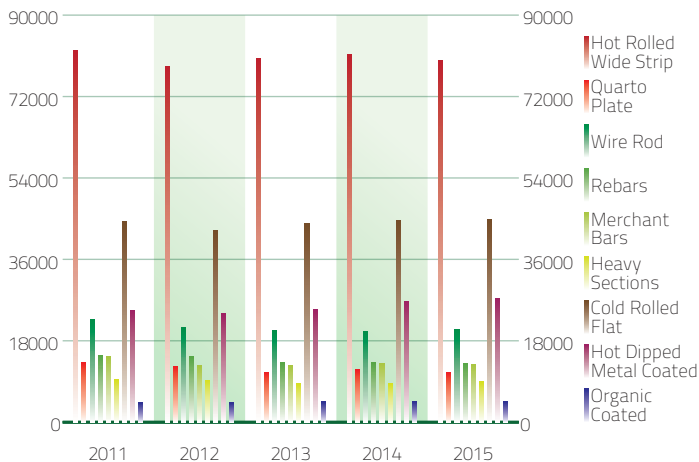


All qualities  
in '000 metric tonnes

## TOTAL FINISHED STEEL PRODUCTION

	2011	2012	2013	2014	2015
Total Hot Rolled	161573	152666	150524	152434	151016
Flat	97086	92602	92834	94333	92449
Hot Rolled Wide Strip	82151	78729	80358	81281	80021
Quarto Plate	13175	12350	11019	11548	10952
Long	64487	60064	57690	58101	58567
Wire Rod	22698	20830	20235	20150	20566
Rebars	14849	14469	13105	13127	13017
Merchant Bars	14568	12447	12562	13058	12789
Heavy Sections	9335	9300	8584	8590	8894
Cold Rolled Flat	44465	42419	43915	44625	44777
Hot Dipped Metal Coated	24805	23985	25009	26786	27343
Organic Coated	4346	4318	4479	4564	4563

## VOLUME PER SELECTED PRODUCT CATEGORY



Shares in total hot rolled:

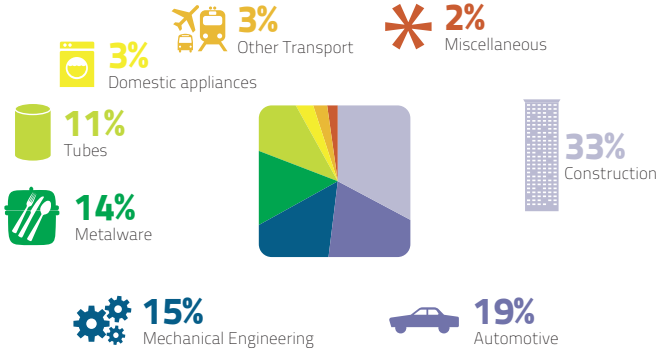


Flat  
Long

Average 2011/2015

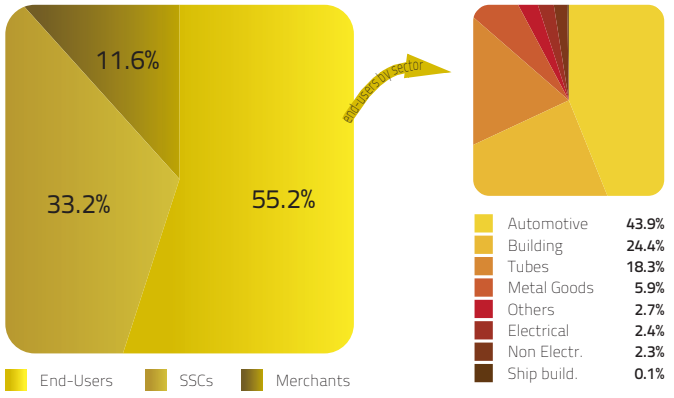
All qualities:

## SECTOR SHARES IN TOTAL STEEL CONSUMPTION

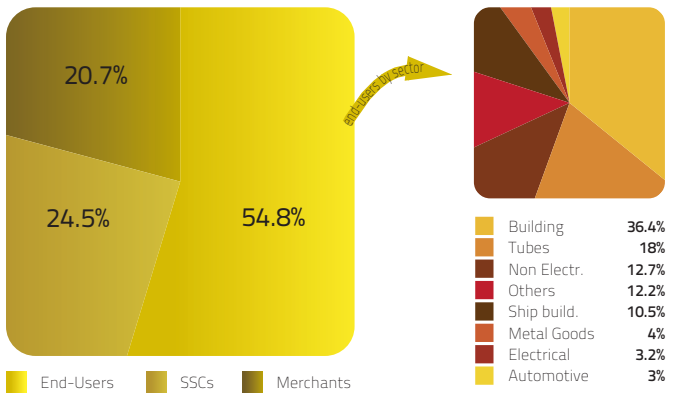


Non-alloy steels and other alloy steels:

## FLAT PRODUCTS DELIVERIES: STRIP MILL PRODUCTS



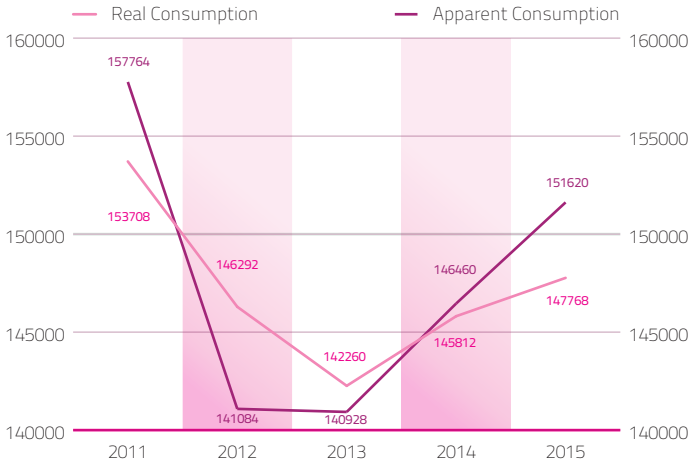
## FLAT PRODUCTS DELIVERIES: QUARTO PLATES





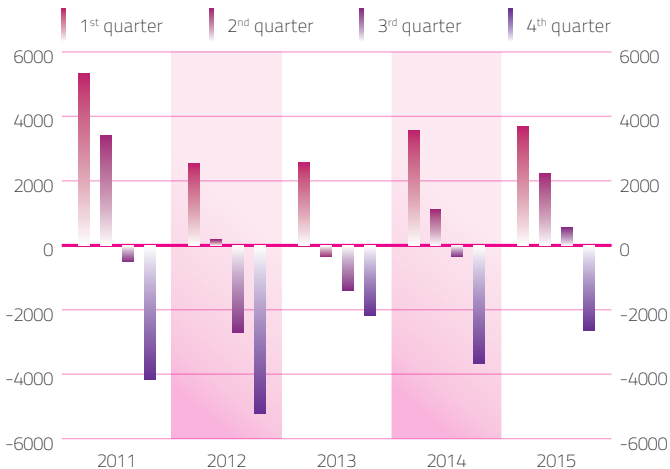
All qualities  
in '000 metric tonnes

## REAL & APPARENT CONSUMPTION



## STOCK CHANGE

	2011	2012	2013	2014	2015
1st quarter	5325	2526	2571	3570	3693
2nd quarter	3417	183	-348	1119	2226
3rd quarter	-504	-2703	-1389	-354	564
4th quarter	-4176	-5208	-2172	-3681	-2643

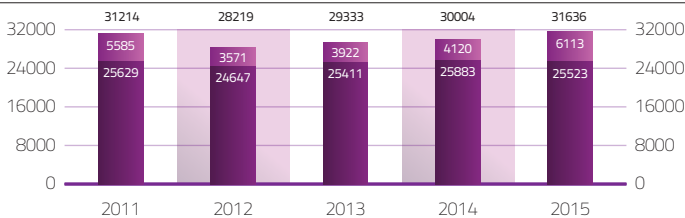


European Deliveries

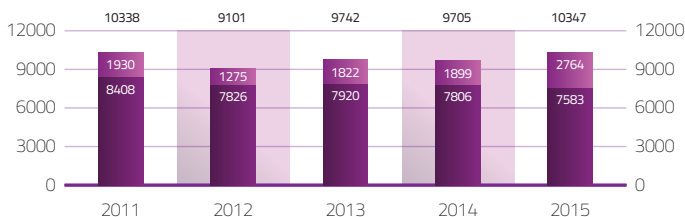
Imports third countries

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

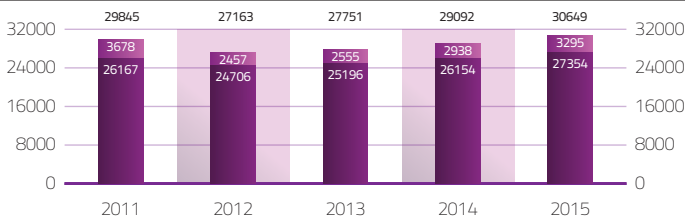
## HOT ROLLED FLAT PRODUCTS



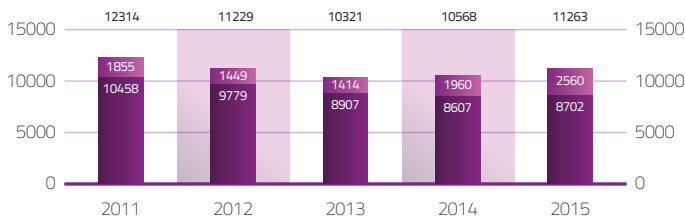
## COLD ROLLED SHEETS



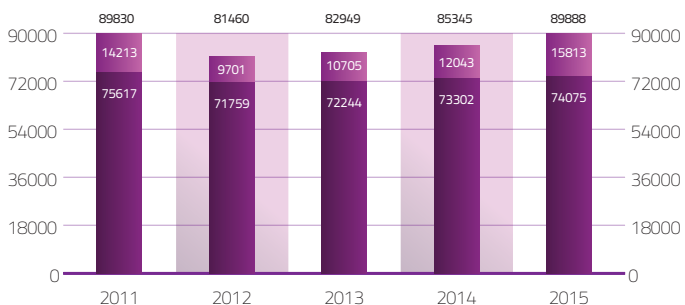
## TOTAL COATED SHEETS



## QUARTO PLATES



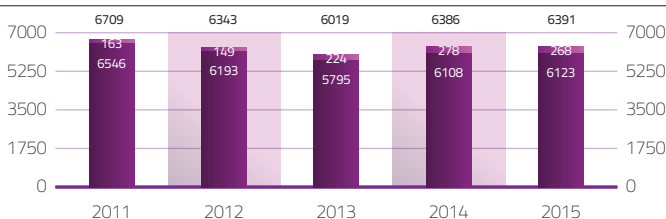
## TOTAL FLAT PRODUCTS



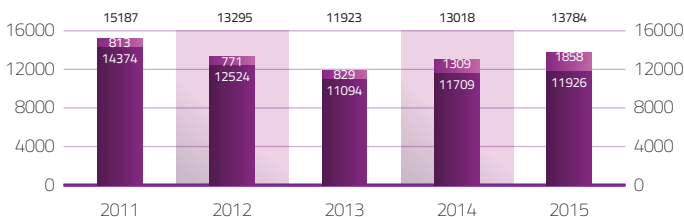
Non-alloy steels  
and other alloy steels  
in '000 metric tonnes

European Deliveries Imports third countries

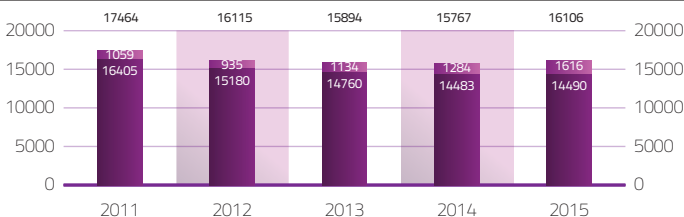
## BEAMS



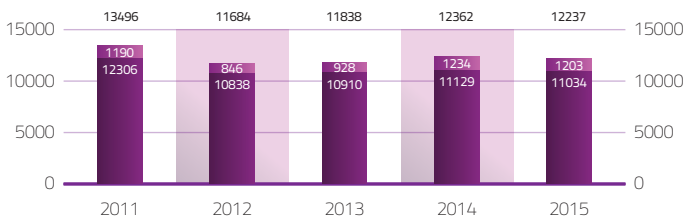
## REBARS, INCLUDING DEFORMED RODS



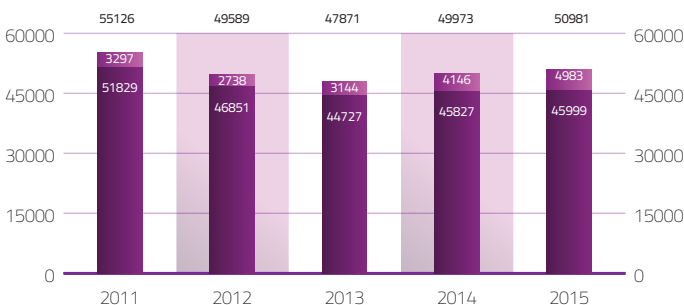
## WIRE ROD, EXCLUDING DEFORMED RODS



## MERCHANT BARS



## TOTAL LONG PRODUCTS



EU Scrap price index (2001 = 100) based on the average price in France, Germany, Italy Spain and United Kingdom.

Higher / Lower value of each year

## DEMOLITION QUALITY



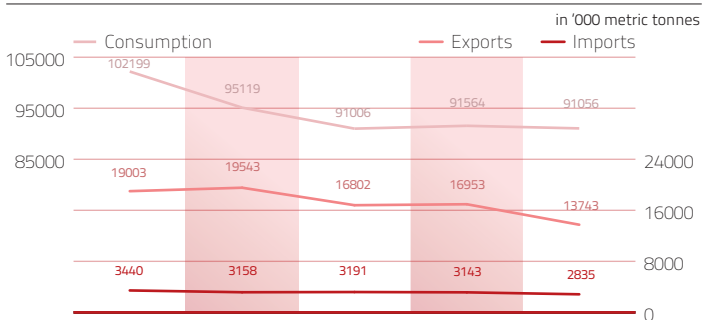
## NEW ARISINGS



## SHREDDED



## SCRAP IMPORTS, EXPORTS & CONSUMPTION

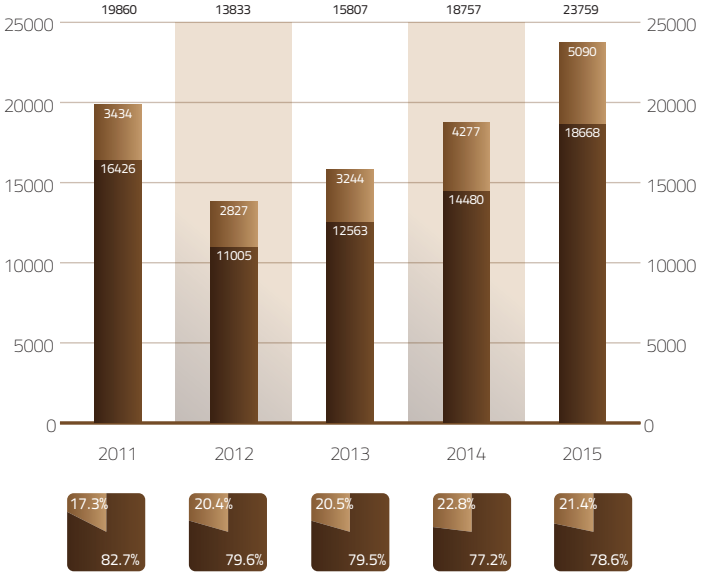


All qualities  
in '000 metric tonnes

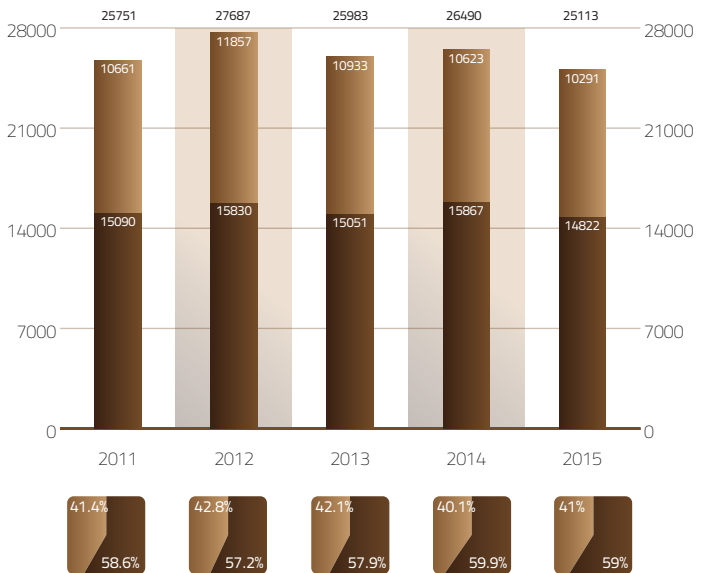
Flat

Long

## THIRD COUNTRIES IMPORTS

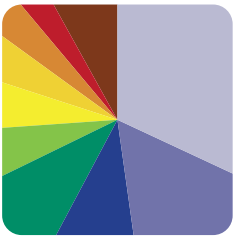


## THIRD COUNTRIES EXPORTS



All qualities

## TOP IMPORTS FLAT PRODUCTS



	2015	Avg'10/'14
China	32%	24%
Russia	16%	17%
Ukraine	10%	13%
South Korea	10%	9%
India	6%	8%
Iran	6%	2%
Turkey	5%	7%
Brazil	4%	2%
Serbia Montenegro	3%	4%
Others	8%	15%

## LONG PRODUCTS



	2015	Avg'10/'14
China	17%	7%
Belarus	14%	8%
Ukraine	13%	15%
Turkey	11%	17%
Switzerland	10%	15%
Russia	9%	8%
Norway	7%	10%
Moldova	5%	3%
Bosnie-Herzegovine	4%	5%
Others	10%	13%

## TOP EXPORTS FLAT PRODUCTS



	2015	Avg'10/'14
Turkey	24%	22%
U.S.A.	18%	13%
Switzerland	6%	7%
China	5%	5%
Algeria	4%	3%
India	4%	6%
Russia	4%	5%
Mexico	3%	4%
Egypt	2%	2%
Others	29%	33%

## LONG PRODUCTS



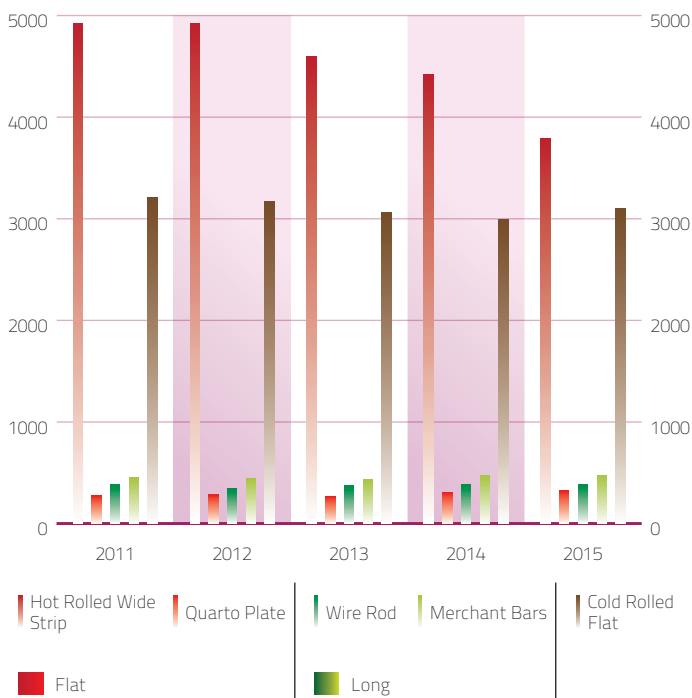
	2015	Avg'10/'14
Algeria	37%	33%
U.S.A.	10%	8%
Turkey	9%	8%
Switzerland	8%	8%
Canada	6%	3%
Morocco	3%	3%
Israel	3%	2%
Norway	2%	2%
Mexico	2%	1%
Others	21%	32%

in '000 metric tonnes

## TOTAL FINISHED STAINLESS STEEL PRODUCTION

	2011	2012	2013	2014	2015
Total Hot Rolled	6030	5999	5667	5587	4973
Flat	5198	5208	4864	4731	4111
Hot Rolled Wide Strip	4920	4923	4594	4423	3787
Quarto Plate	278	285	270	308	324
Long	832	791	803	856	863
Wire Rod	383	346	373	384	389
Merchant Bars	449	445	430	472	474
Cold Rolled Flat	3209	3167	3060	2993	3106

## VOLUME PER SELECTED PRODUCT CATEGORY



Shares in total hot rolled:



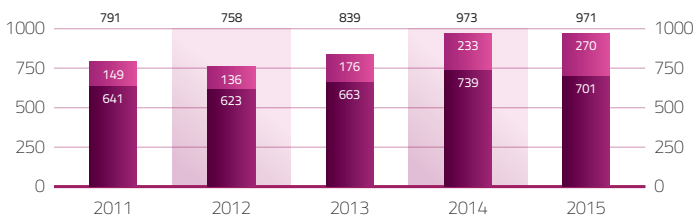
# 16 STAINLESS STEEL - MARKET SUPPLY

European Deliveries

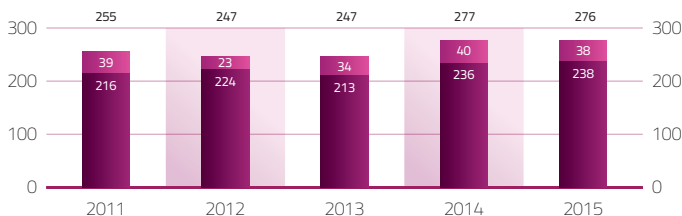
Imports third countries

in '000 metric tonnes

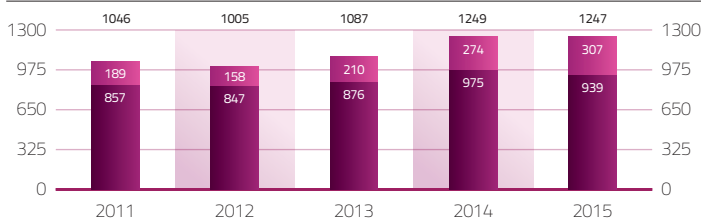
## HOT ROLLED STRIP MILL PRODUCTS FOR DIRECT USE



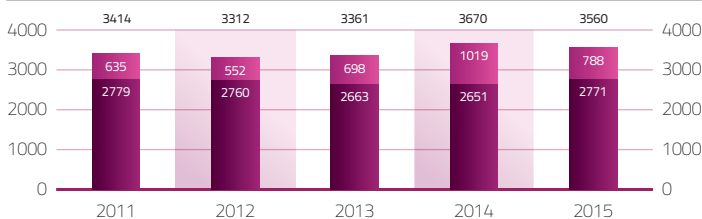
## QUARTO PLATES



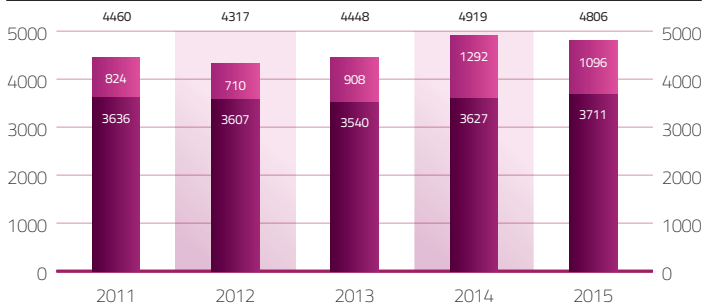
## TOTAL HOT ROLLED FLAT PRODUCTS



## COLD ROLLED FLAT PRODUCTS



## TOTAL STAINLESS STEEL FLAT PRODUCTS



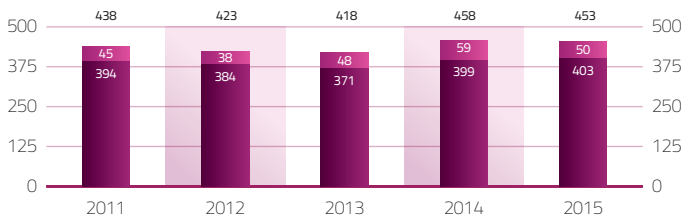


in '000 metric tonnes

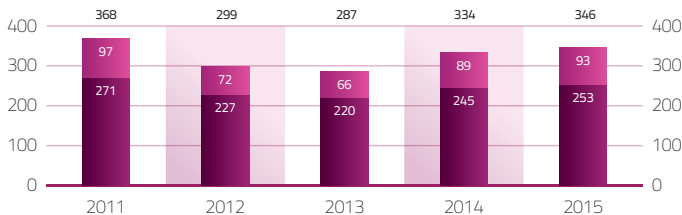
European Deliveries

Imports third countries

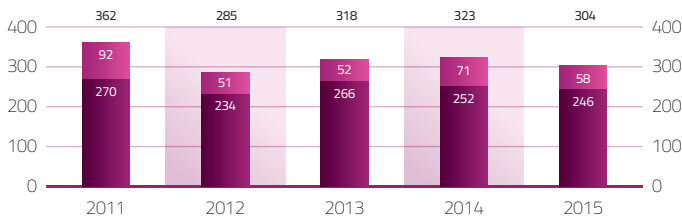
## HOT ROLLED BARS AND SECTIONS



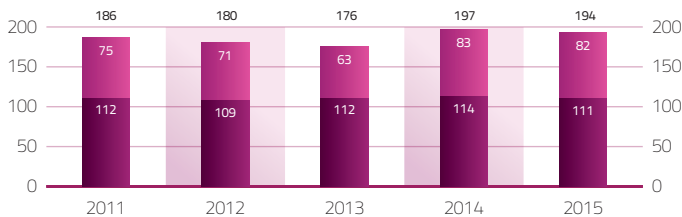
## BRIGHT BARS



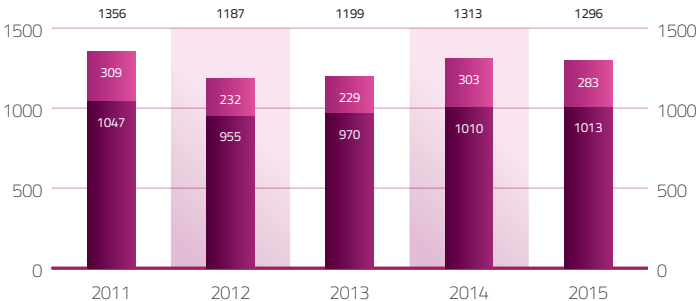
## WIRE ROD



## DRAWN WIRES



## TOTAL STAINLESS STEEL LONG PRODUCTS



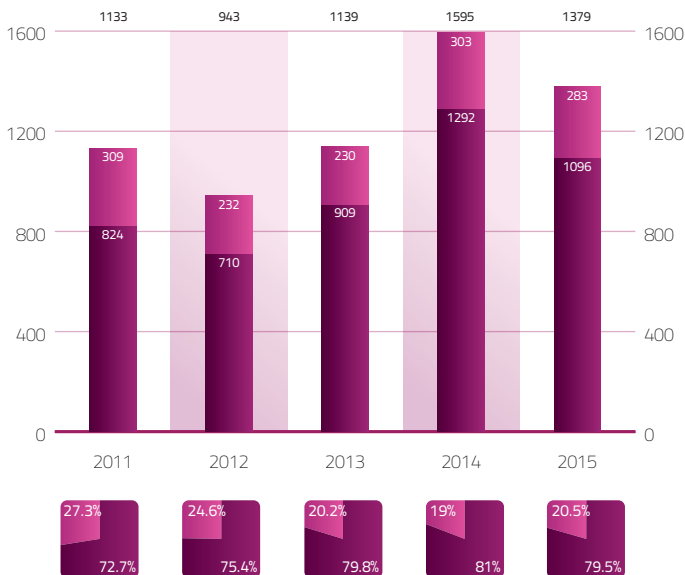
Including 1<sup>st</sup> transformation

Flat Long

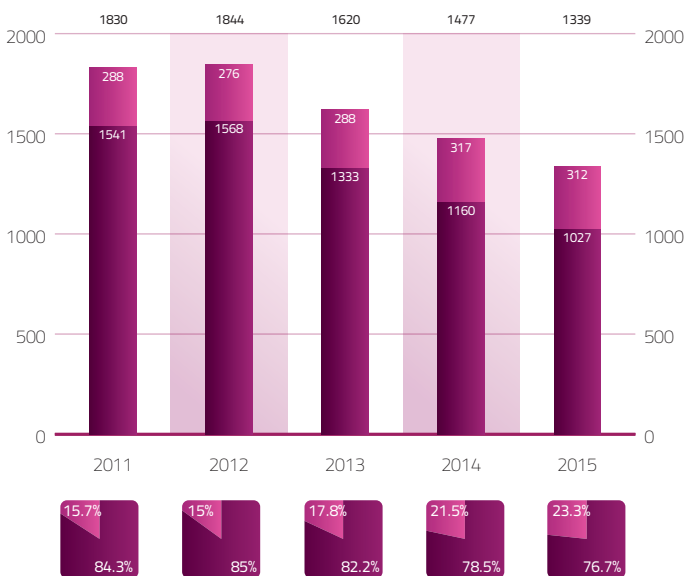
in '000 metric tonnes

Total including for re-rolling

## THIRD COUNTRIES IMPORTS



## THIRD COUNTRIES EXPORTS



## **ABOUT THE EUROPEAN STEEL ASSOCIATION (EUROFER)**

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EUROFER 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 federations in Switzerland and Turkey are associate members.

## **ABOUT THE EUROPEAN STEEL INDUSTRY**

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The European steel industry is a world leader in innovation and environmental sustainability. It has a turnover of around €170 billion and directly employs 320,000 highly-skilled people, producing on average 170 million tonnes of steel per year. More than 500 steel production sites across 24 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, CO<sub>2</sub>-mitigating technologies, improving resource efficiency and fostering sustainable development in Europe.

**EUROFER**  
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