



2008 - 2012  
European Steel in Figures

**EUROFER**  
The European Steel Association

## TABLE OF CONTENTS

CONTENT	2
FOREWORD	3
<b>EMPLOYMENT</b>	<b>4</b>
Evolution of employment	4
Employment (2012)	4
<b>CRUDE STEEL PRODUCTION</b>	<b>5</b>
Crude steel output per country	5
Share per country (2012)	5
Crude steel production by process	6
Crude steel production by quality	6
<b>FINISHED STEEL PRODUCTION</b>	<b>7</b>
Total finished steel production	7
Volume per selected product category	7
<b>SECTOR STATISTICS</b>	<b>8</b>
Sector shares in total steel consumption	8
Flat products deliveries: Strip mill products	8
Flat products deliveries: Quarto plates	8
<b>REAL vs APPARENT CONSUMPTION</b>	<b>9</b>
Real & Apparent Consumption	9
Stock change	9
<b>MARKET SUPPLY</b>	<b>10</b>
Hot rolled flat products	10
Cold rolled sheets	10
Total coated sheets	10
Quarto plates	10
Total flat products	10
Beams	11
Rebars + deformed rods	11
Wire rod - deformed rods	11
Merchant bars	11
Total long products	11
<b>SCRAP</b>	<b>12</b>
EU Scrap price index - Demolition quality	12
EU Scrap price index - New Arisings	12
EU Scrap price index - Shredded	12
Scrap imports, exports & consumption	12
<b>TRADE</b>	<b>13</b>
Third countries imports	13
Third countries exports	13
Top imports: Flat products	14
Top imports: Long products	14
Top exports: Flat products	14
Top exports: Long products	14
<b>STAINLESS STEEL</b>	<b>15</b>
Total finished stainless steel production	15
Volume per selected product category	15
<b>MARKET SUPPLY</b>	
Hot rolled strip mill products for direct use	16
Quarto plates	16
Total hot rolled flat products	16
Cold rolled flat products	16
Total stainless steel flat products	16
Hot rolled bars and sections	17
Bright bars	17
Wire rod	17
Drawn wires	17
Total stainless steel long products	17
<b>TRADE</b>	
Third countries imports	18
Third countries exports	18
<b>MEMBERS</b>	<b>19</b>
Members & Associated Members	19

European Steel in Figures has become a valuable reference for everyone involved or interested in the European steel industry. It contains a wealth of relevant data about an industry that is indispensable in creating sustainable growth for Europe. With more than 500 steel production and processing sites in 23 EU member states providing direct and indirect employment for millions of European citizens the steel sector is the backbone of Europe's industrial value creation chains.

The current edition of European Steel in Figures shows that 2012 has been a challenging year for the industry. The Eurozone crisis weighed down heavily on the performance of the economy in the European Union. The majority of large EU economies posted weak or negative growth. Activity in the steel using sectors in the EU continued to weaken during the year 2012. Total activity contracted by almost 3.5 per cent in 2012.

Domestic demand in the EU had already started 2012 on a weak note. The second half of the year was characterised by a further drop in business sentiment and intensifying financing restraints. At the same time, export demand came under pressure due to the slowdown in global economic growth.

Accordingly, crude steel production in the EU amounted to 168 million tonnes. The reduction of five per cent compared to 2011 reflects EU steel mills adjusting production downwards in a response to weakening real steel consumption and massive inventory reductions in the steel distribution chain. The outlook for 2013 gives little reason for optimism. Total activity in the steel using sectors is expected to register a further slight decline due to the continuation of difficult operating conditions across most sectors.

Understanding economic development depends on meaningful and comprehensive data. European Steel in Figures makes this information accessible. It also underlines the significance of the steel industry for the European economy. We hope that this fifth edition of our publication will again meet your expectations and prove valuable for you.

For further information you may want to visit our website:

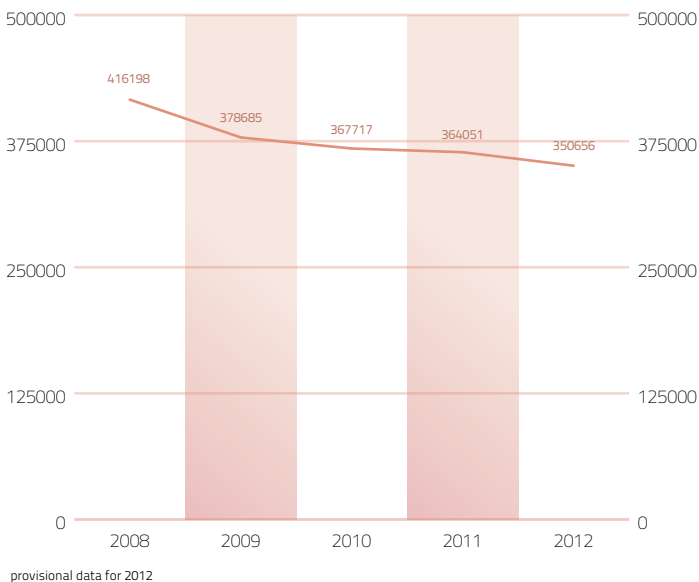
[www.eurofer.eu](http://www.eurofer.eu)

April 2013

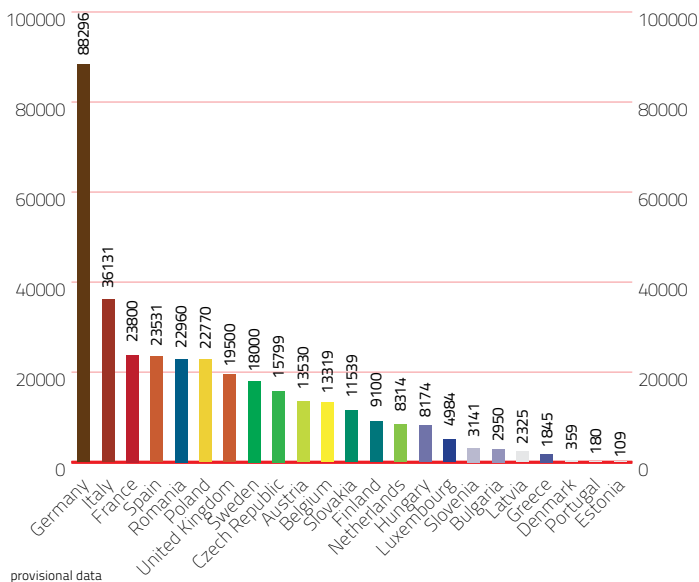
**Gordon Moffat**  
Director General

# 4 ■ EMPLOYMENT

## EVOLUTION OF EMPLOYMENT



## EMPLOYMENT (2012)

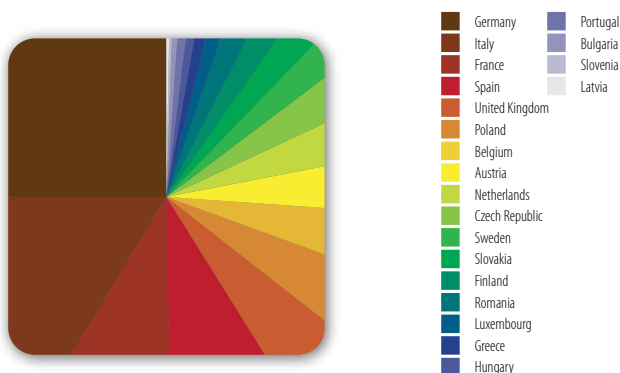


All qualities  
in '000 metric tonnes

## CRUDE STEEL OUTPUT PER COUNTRY

	2008	2009	2010	2011	2012	% share of EU 2012
Austria	7594	5662	7206	7474	7421	4.4
Belgium	10673	5635	7973	8026	7301	4.3
Bulgaria	1330	726	744	835	633	0.4
Czech Republic	6387	4594	5179	5583	5072	3
Finland	4418	3078	4030	3986	3759	2.2
France	17879	12840	15414	15780	15607	9.3
Germany	45833	32670	43830	44284	42661	25.3
Greece	2477	2000	1821	1934	1247	0.7
Hungary	2097	1403	1678	1732	1542	0.9
Italy	30590	19848	25750	28735	27257	16.2
Luxembourg	2582	2141	2548	2521	2208	1.3
Netherlands	6853	5194	6651	6937	6879	4.1
Poland	9728	7129	7993	8779	8366	5
Romania	4917	2686	3613	3645	3292	2
Slovakia	4489	3747	4588	4242	4403	2.6
Slovenia	641	430	606	665	666	0.4
Spain	18640	14358	16343	15504	13639	8.1
Sweden	5164	2778	4817	4829	4289	2.5
United Kingdom	13520	10079	9706	9478	9753	5.8
Others	2265	2249	2159	2439	2671	1.6
<b>EU 27</b>	<b>198076</b>	<b>139248</b>	<b>172649</b>	<b>177409</b>	<b>168669</b>	<b>100</b>

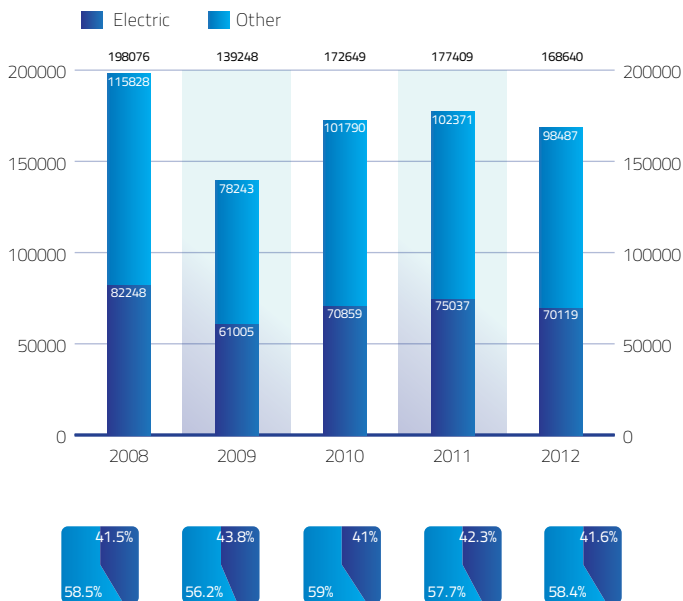
## SHARE PER COUNTRY (2012)



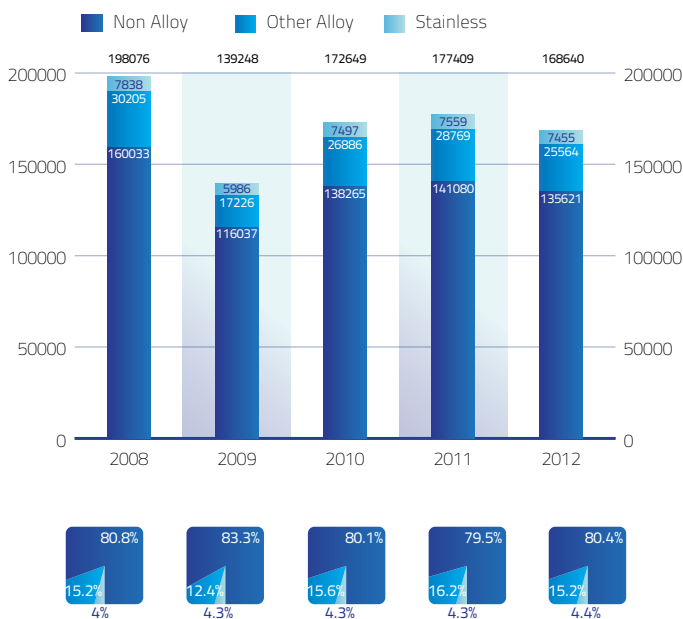
# 6 ■ CRUDE STEEL PRODUCTION

All qualities  
in '000 metric tonnes

## CRUDE STEEL PRODUCTION BY PROCESS



## CRUDE STEEL PRODUCTION BY QUALITY



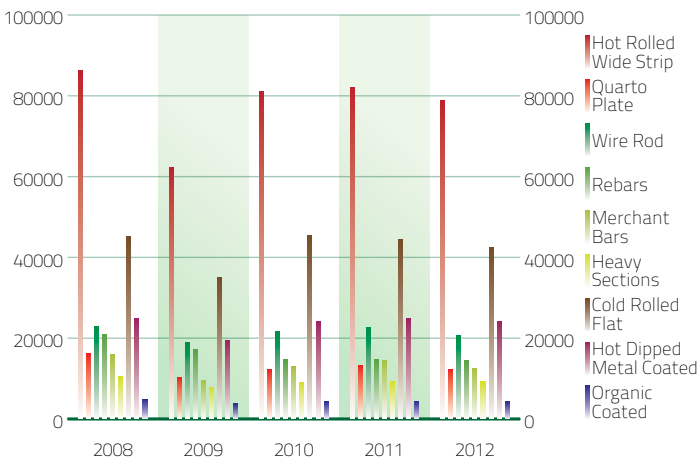
# FINISHED STEEL PRODUCTION ■ 7

All qualities  
in '000 metric tonnes

## TOTAL FINISHED STEEL PRODUCTION

	2008	2009	2010	2011	2012
Total Hot Rolled	178074	129796	156435	161429	152602
Flat	104331	73664	94967	97086	92622
Hot Rolled Wide Strip	86221	62340	81164	82151	78735
Quarto Plate	16116	10230	12143	13175	12364
Long	73742	56131	61468	64343	59980
Wire Rod	23010	19003	21620	22651	20772
Rebars	20796	17078	14603	14834	14442
Merchant Bars	15881	9480	12928	14485	12454
Heavy Sections	10529	7729	9055	9335	9295
Cold Rolled Flat	45196	35144	45367	44466	42419
Hot Dipped Metal Coated	24797	19445	24149	24805	24020
Organic Coated	4934	3723	4339	4346	4252

## VOLUME PER SELECTED PRODUCT CATEGORY



Shares in total hot rolled:



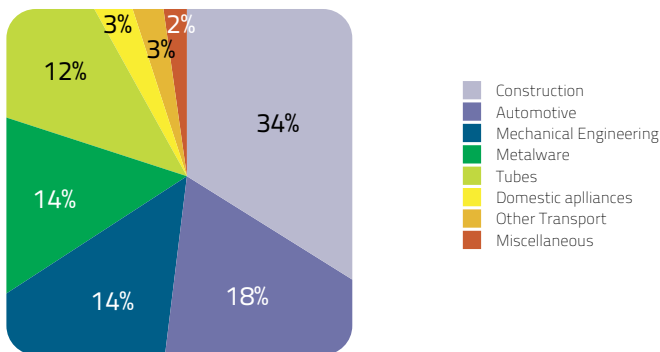
Flat  
Long

# 8 ■ SECTOR STATISTICS

Average 2008/2012

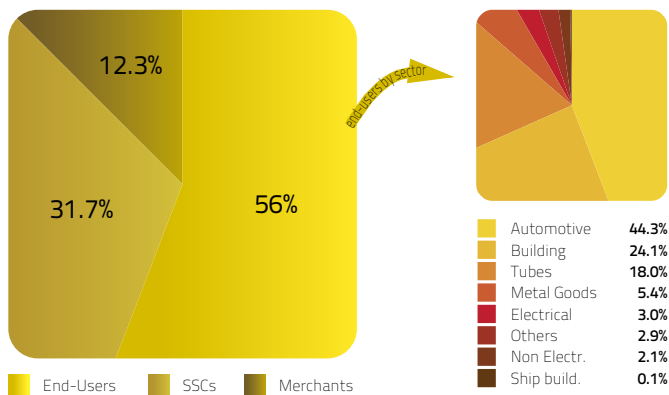
All qualities:

## SECTOR SHARES IN TOTAL STEEL CONSUMPTION

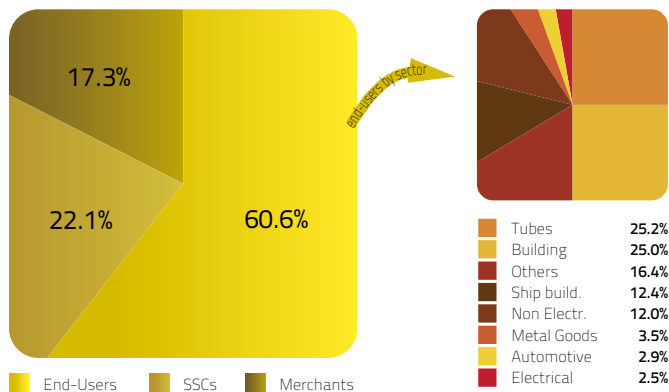


Non-alloy steels and other alloy steels:

## FLAT PRODUCTS DELIVERIES: STRIP MILL PRODUCTS



## FLAT PRODUCTS DELIVERIES: QUARTO PLATES

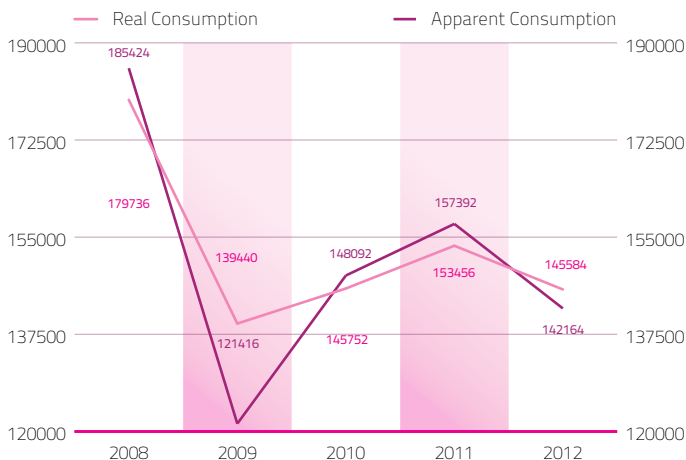




# REAL vs APPARENT CONSUMPTION ■ 9

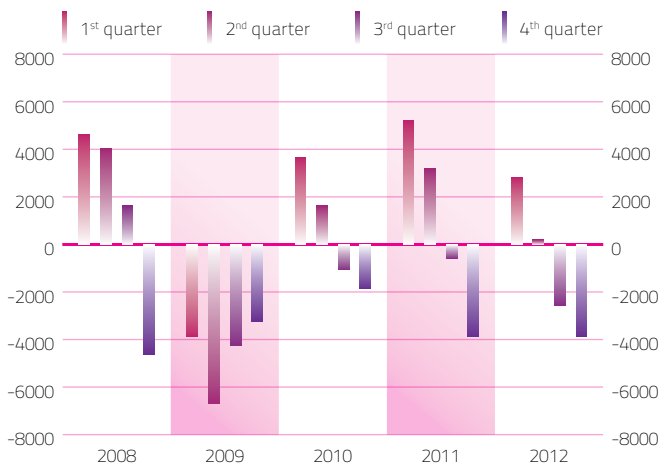
All qualities  
in '000 metric tonnes

## REAL & APPARENT CONSUMPTION



## STOCK CHANGE

	2008	2009	2010	2011	2012
1st quarter	4635	-3870	3666	5208	2832
2nd quarter	4044	-6672	1617	3189	204
3rd quarter	1623	-4263	-1071	-588	-2583
4th quarter	-4617	-3222	-1866	-3885	-3879

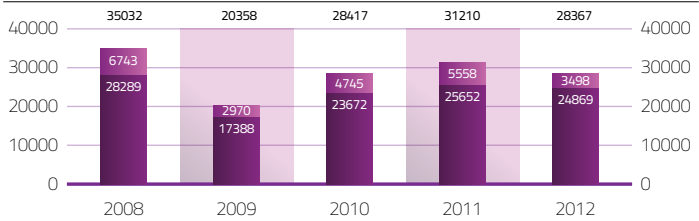


# 10 ■ MARKET SUPPLY

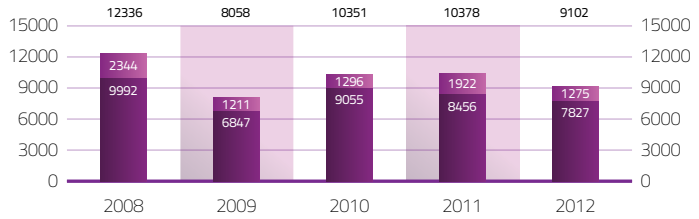
European Deliveries Imports third countries

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

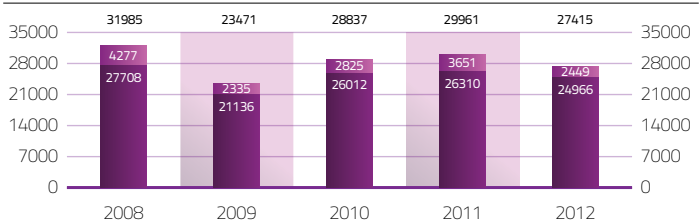
## HOT ROLLED FLAT PRODUCTS



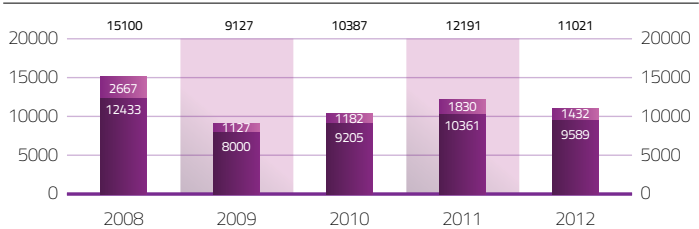
## COLD ROLLED SHEETS



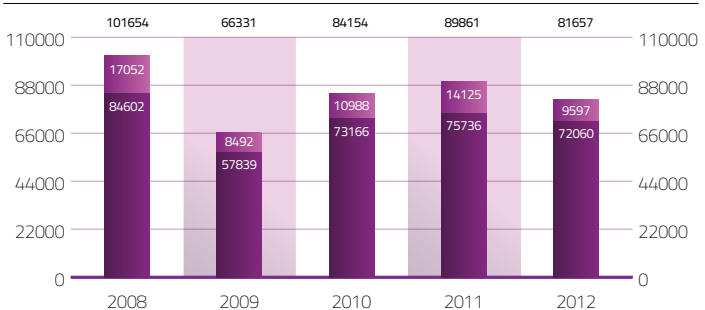
## TOTAL COATED SHEETS



## QUARTO PLATES



## TOTAL FLAT PRODUCTS



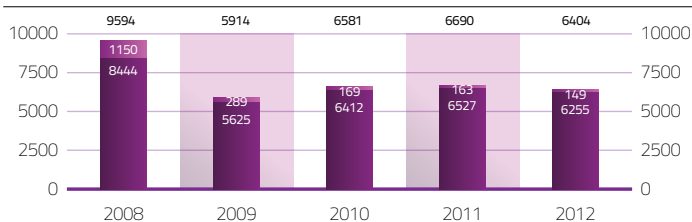
# MARKET SUPPLY ■ 11

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

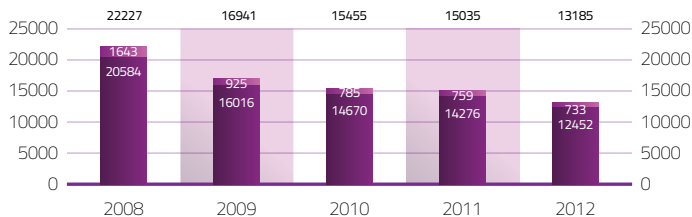
European Deliveries

Imports third countries

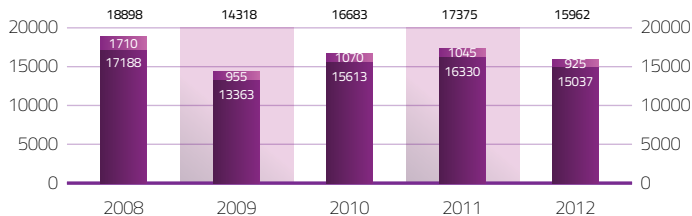
## BEAMS



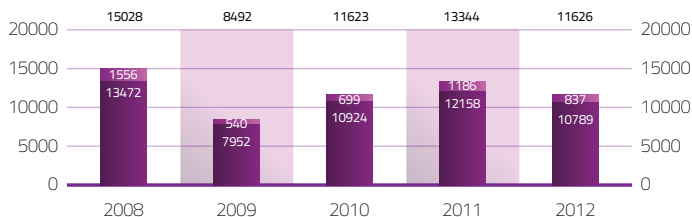
## REBARS + DEFORMED RODS



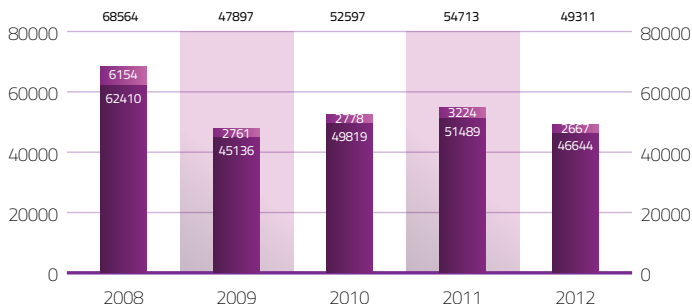
## WIRE ROD - DEFORMED RODS



## MERCHANT BARS



## TOTAL LONG PRODUCTS

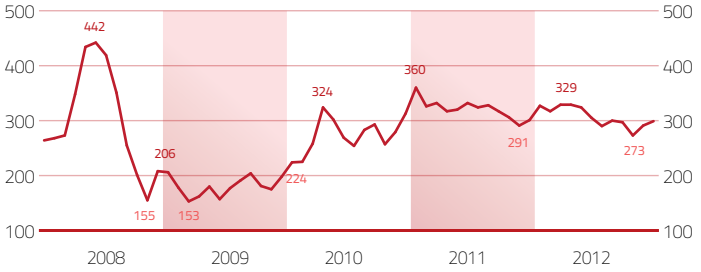


# 12 ■ SCRAP

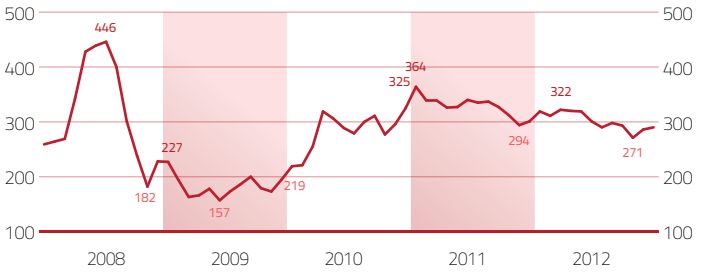
EU Scrap price index (2001 = 100) based on the average price in France, Germany, Italy Spain and United Kingdom.

Higher / Lower value of each year

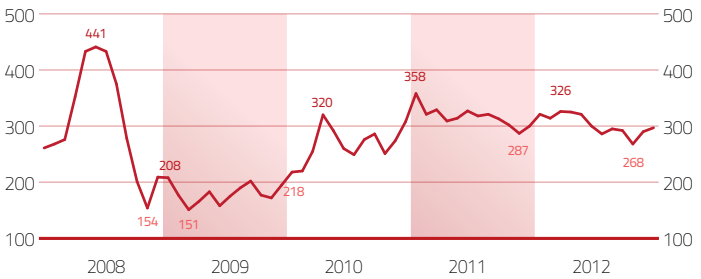
## DEMOLITION QUALITY



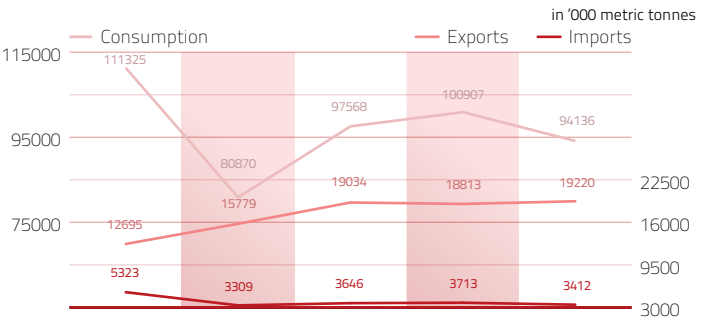
## NEW ARISING



## SHREDDED



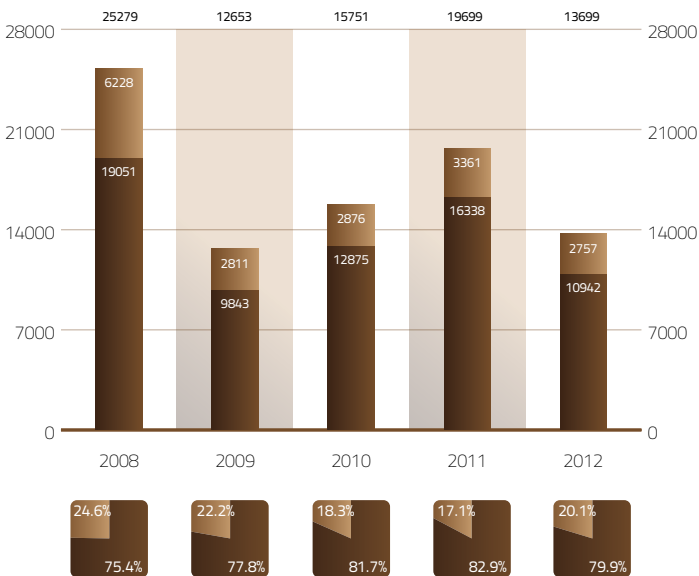
## SCRAP IMPORTS, EXPORTS & CONSUMPTION



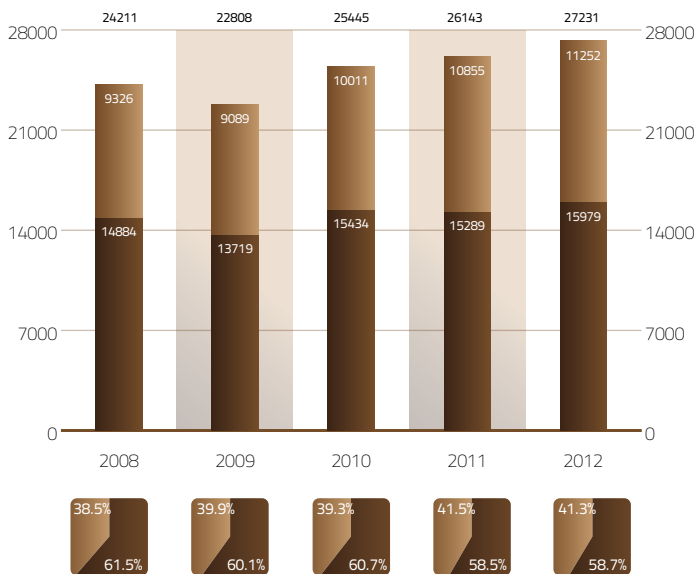
All qualities  
in '000 metric tonnes

■ Flat ■ Long

## THIRD COUNTRIES IMPORTS



## THIRD COUNTRIES EXPORTS



## TOP IMPORTS FLAT PRODUCTS



	2012	Avg'07/'11
China	24%	26%
Russia	20%	13%
Ukraine	13%	8%
South Korea	10%	7%
India	8%	7%
Turkey	6%	5%
Taiwan	3%	3%
U.S.A.	3%	2%
Serbia	2%	6%
Others	11%	22%

## LONG PRODUCTS



	2012	Avg'07/'11
Switzerland	19%	10%
Ukraine	13%	11%
Turkey	12%	28%
Norway	12%	7%
Belarus	10%	5%
Russia	9%	6%
Bosnie-Herzegovine	5%	1%
China	5%	13%
Moldova	4%	3%
Others	11%	15%

## TOP EXPORTS FLAT PRODUCTS



	2012	Avg'07/'11
Turkey	21%	22%
U.S.A.	13%	9%
India	7%	7%
Switzerland	7%	7%
Mexico	5%	4%
China	5%	5%
Russia	4%	4%
Algeria	4%	2%
Brazil	2%	2%
Others	33%	37%

## LONG PRODUCTS



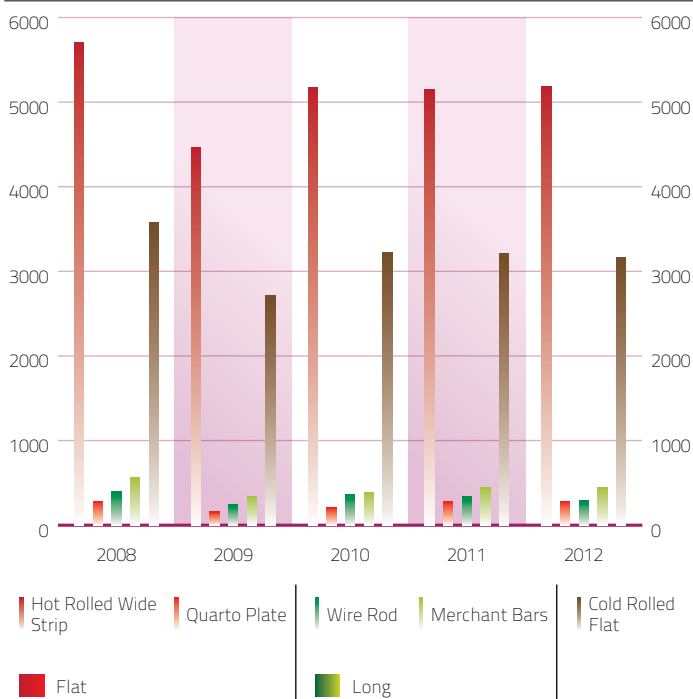
	2012	Avg'07/'11
Algeria	34%	27%
Turkey	8%	8%
Switzerland	7%	9%
U.S.A.	6%	8%
Morocco	3%	2%
Canada	3%	3%
Russia	2%	1%
Norway	2%	2%
Israel	2%	2%
Others	33%	38%

in '000 metric tonnes

## TOTAL FINISHED STAINLESS STEEL PRODUCTION

	2008	2009	2010	2011	2012
Total Hot Rolled	6943	5207	6136	6209	6208
Flat	5988	4622	5386	5424	5466
Hot Rolled Wide Strip	5704	4464	5176	5146	5180
Quarto Plate	284	158	210	278	285
Long	955	585	750	785	743
Wire Rod	392	241	359	335	293
Merchant Bars	563	344	391	450	450
Cold Rolled Flat	3581	2710	3224	3209	3168

## VOLUME PER SELECTED PRODUCT CATEGORY



Shares in total hot rolled:

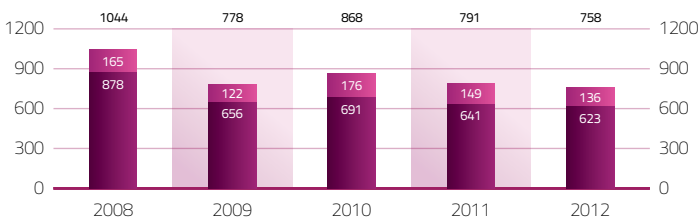


# 16 ■ STAINLESS STEEL – MARKET SUPPLY

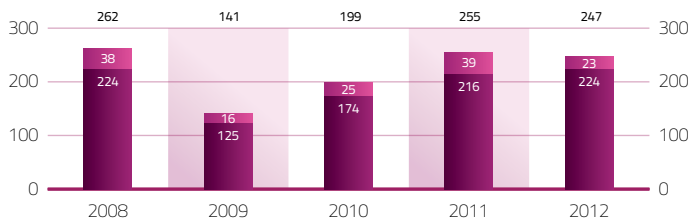
in '000 metric tonnes

European Deliveries Imports third countries

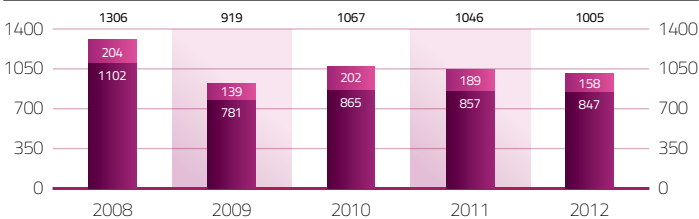
## HOT ROLLED STRIP MILL PRODUCTS FOR DIRECT USE



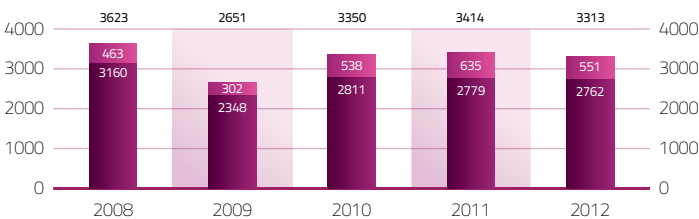
## QUARTO PLATES



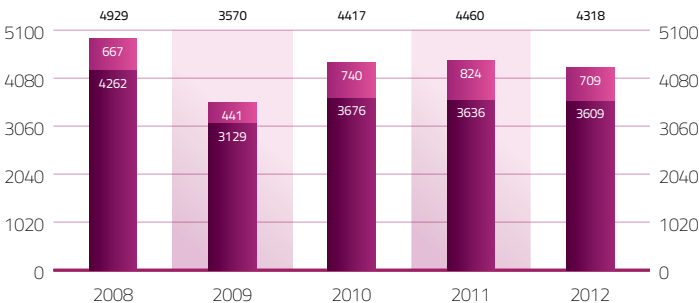
## TOTAL HOT ROLLED FLAT PRODUCTS



## COLD ROLLED FLAT PRODUCTS



## TOTAL STAINLESS STEEL FLAT PRODUCTS



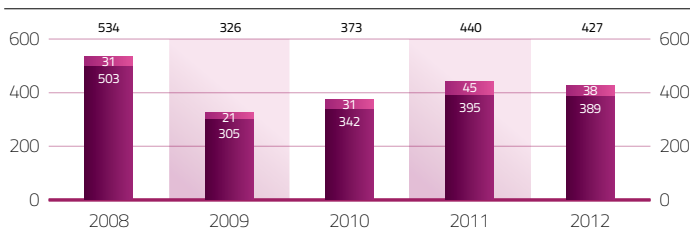


# STAINLESS STEEL - MARKET SUPPLY ■ 17

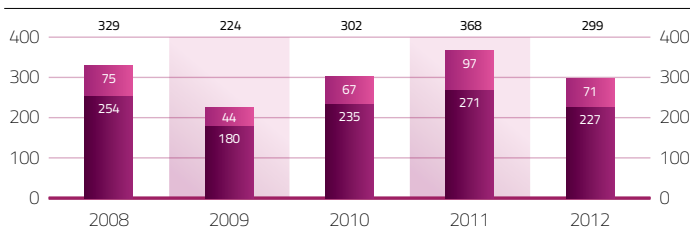
in '000 metric tonnes

■ European Deliveries ■ Imports third countries

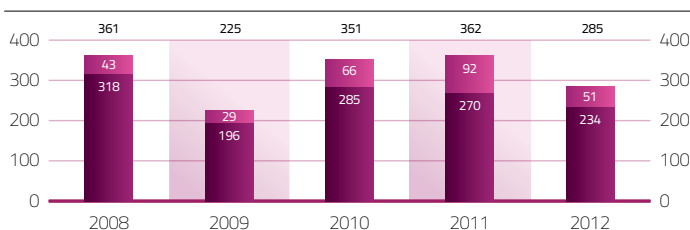
## HOT ROLLED BARS AND SECTIONS



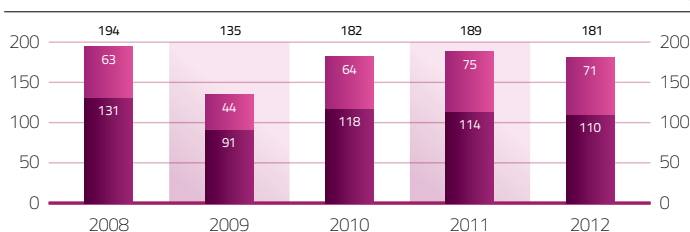
## BRIGHT BARS



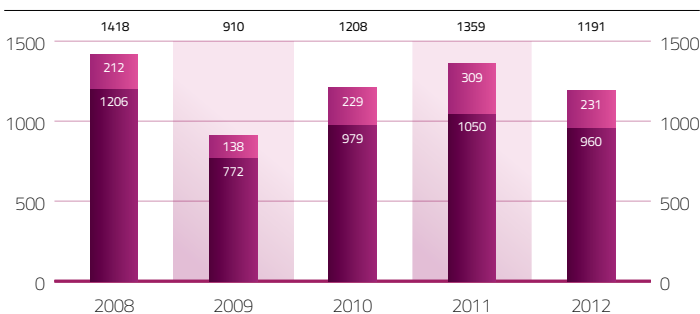
## WIRE ROD



## DRAWN WIRES



## TOTAL STAINLESS STEEL LONG PRODUCTS



Including 1<sup>st</sup> transformation

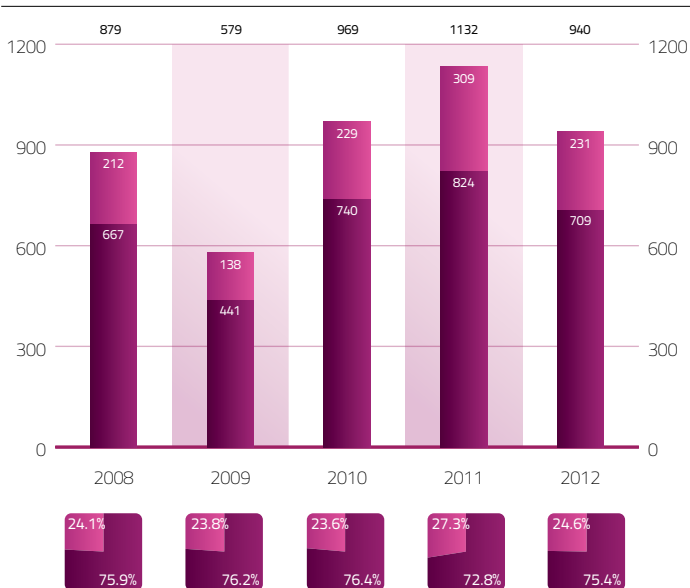
# 18 ■ STAINLESS STEEL - TRADE

■ Flat ■ Long

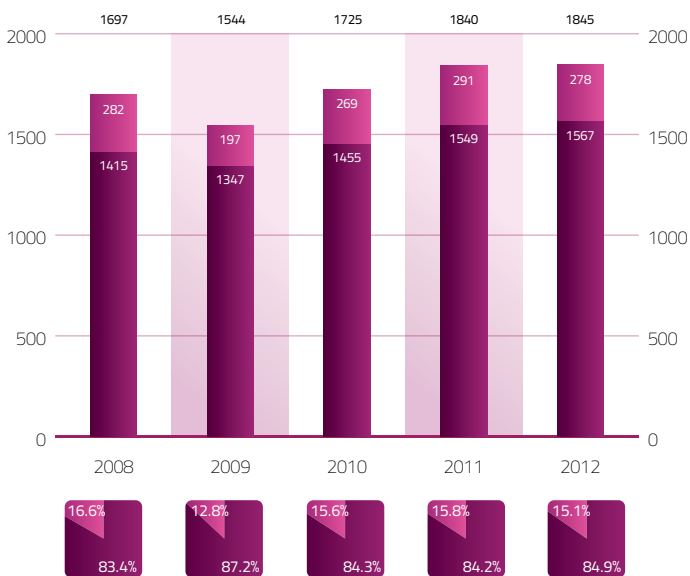
in '000 metric tonnes

Total including for re-rolling

## THIRD COUNTRIES IMPORTS



## THIRD COUNTRIES EXPORTS



## MEMBERS

- Acciaieria Arvedi  
<http://www.arvedi.it>
- Acerinox  
<http://www.acerinox.es>
- Aperam  
<http://www.aperam.com>
- ArcelorMittal  
<http://www.arcelormittal.com>
- Badische Stahlwerke  
<http://www.bsw-kehl.de>
- Bulgarian Association of the Metallurgical Industries – BAMl
- Celsa Group  
<http://www.gcelsa.com>
- Chambre Syndicale des Producteurs d'Aciers Fins et Spéciaux  
<http://www.spas.fr>
- CMC Poland  
<http://www.cmcpoland.com>
- Deutsche Edelstahlwerke  
<http://www.dew-stahl.com>
- Dillinger Hütte  
<http://www.dillinger.de>
- Duferco Belgium  
<http://www.duferco.be>
- Edelstahl – Vereinigung  
[http://www.stahl-online.de/stahl\\_zentrum/edelstahl\\_vereinigung\\_e\\_v.htm](http://www.stahl-online.de/stahl_zentrum/edelstahl_vereinigung_e_v.htm)
- Evrz Vitkovice Steel  
<http://www.vitkovicesteel.com>
- Fachverband der Bergwerke und Eisen erzeugenden Industrie  
<http://www.wk.or.at/bergbau-stahl>
- Federacciai  
<http://www.federacciai.it>
- Fédération Française de l'Acier  
<http://www.ffa.fr>
- Feralpi Group  
<http://www.feralpi.it>
- FNsteel Group  
<http://www.fnsteel.eu>
- Georgsmarienhütte  
<http://www.gmh.de>
- Groupeement de la Sidérurgie – GSV  
<http://www.steelbel.be>
- Halyourgiki  
<http://www.halyourgiki.com>
- Hellenic Steelmakers' Union – ENXE
- Helliniki Halyourgia  
<http://www.hlv.gr>
- Hutnictví Železa  
<http://www.hz.cz>
- Hutnicza Izba Przemysłowa-Handlowa  
<http://www.hiph.com.pl>
- ISD Dunaferr  
<http://www.dunaferr.hu>
- ISD Huta Czeszochowa  
<http://www.isd-hcz.com.pl>
- Jernkontoret  
<http://www.jernkontoret.se>
- Lech-Stahlwerke  
<http://www.lech-stahlwerke.de>
- Liepājas Metalurģis  
<http://www.metalurģis.lv>
- Lucchini Group  
<http://www.lucchini.it>
- Magyar Vas-és Acélpári Egyesülés  
<http://www.mvae.hu>
- Marienhütte  
<http://www.marienhuette.at>
- Metallinjalostajat  
<http://www.teknologiateollisuus.fi/>
- Metinvest Trameetal  
<http://www.trametal.it>
- Nedstaal BV  
<http://www.nedstaal.nl>
- NLMK Europe  
<http://www.eu.nlmk.com>
- Outokumpu  
<http://www.outokumpu.com>
- Ovako Group  
<http://www.ovako.com>
- Riva Group  
<http://www.rivagroup.com>
- Ruukki  
<http://www.ruukki.com>
- Saarstahl AG  
<http://www.saarstahl.de>
- Salzgitter AG  
<http://www.salzgitter-ag.de>
- Sidenor  
<http://www.sidenor.gr>
- Siderurgia Nacional - Empresa de Productos Longos SA
- SIJ - Slovenian Steel Group  
<http://www.sij.si>
- SSAB  
<http://www.ssab.com>
- Stahlwerk Thüringen  
<http://www.CSN-sections.com>
- Štore Steel  
<http://www.store-steel.si>
- Tata Steel Europe  
<http://www.tatasteleeurope.com>
- ThyssenKrupp AG  
<http://www.thyssenkrupp.com>
- Trinecké Železářny  
<http://www.trz.cz>
- U.S. Steel Kosice  
<http://www.usste.sk>
- UK Steel  
<http://www.uksteel.org.uk>
- Unión de Empresas Siderúrgicas – UNESID  
<http://www.unesid.org>
- Uniunea Producatorilor de Otel din Romania – UniRomSider
- voestalpine  
<http://www.voestalpine.com>
- Vorskla Steel Denmark  
<http://www.vorsklaesteel.com>
- Wirtschaftsvereinigung Stahl  
<http://www.wvstahl.de>

## ASSOCIATED MEMBERS

- Çolakoglu Metalurji  
<http://www.colakoglu.com.tr>
- Demir Çelik Üreticileri Derneği – DÇÜD  
<http://www.dcdud.org.tr>
- Diler Demir Çelik Endüstrisi ve Ticaret  
[http://www.dilerhld.com/diler\\_demircelik/index.html](http://www.dilerhld.com/diler_demircelik/index.html)
- Erdemir - Ereğli Demir ve Çelik Fabrikaları  
<http://www.erdemir.com.tr>
- HABAŞ - Sınai ve Tibbi Gazlar İstihsal Endüstrisi  
<http://www.habas.com.tr>
- İçdas Çelik Enerji - Tersane ve Ulaşım Sanayi  
<http://www.icdas.com.tr>
- IDÇ - İzmir Demir Çelik Sanayi  
<http://www.idcsteel.com>
- İsdemir - Iskenderun Demir ve Çelik Fabrikaları  
<http://www.isdemir.com.tr>
- Kremikovtzi  
<http://www.kremikovtzi.com>
- Swiss Steel  
<http://www.swiss-steel.com>



**EUROFER**  
The European Steel Association

ASBL

Avenue de Cortenbergh, 172

B-1000 Brussels

Tel: +32 (2) 738 79 20

Fax: +32 (2) 738 79 55

Email: [mail@eurofer.be](mailto:mail@eurofer.be)

<http://www.eurofer.eu/>