

Russia-Ukraine war

and its impact on steel trade flows in MENA and Asia

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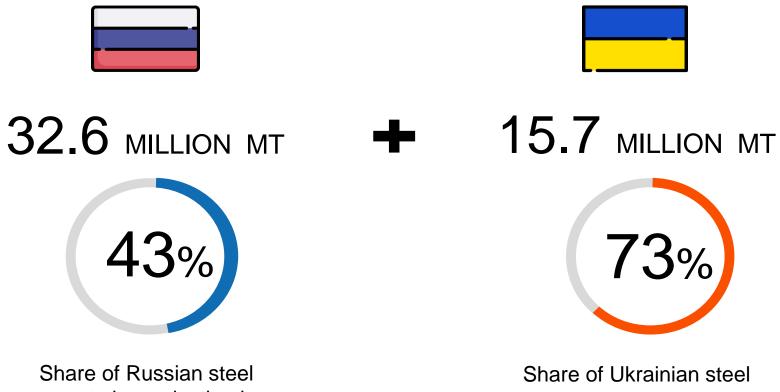
CONTENT

- Importance of Ukraine and Russia in the global steel market
- Direct impact of the war on Ukraine, western sanctions on Russia
- Changes in trade flows in Turkey and Europe
- Impact on Asia
- How changed exports by product?
- Impact on prices
- Conclusion





Russia and Ukraine were among top-5 world net steel exporters in 2021



exports in production in 2021

Share of Ukrainian steel exports in production in 2021



Source: worldsteel



MARIUPOL - METINVEST

8.6 million mt of crude steelproduction in 2021Fully stopped, partially destroyed





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 4.5 million mt of pig iron
 40-50 percent of utilization rate

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SteelOrbis

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KAMYANSKE - KAMETSTAL

2.44 million mt of crude steelIn Spring utilization rate was80%, in July it fell to below 40%

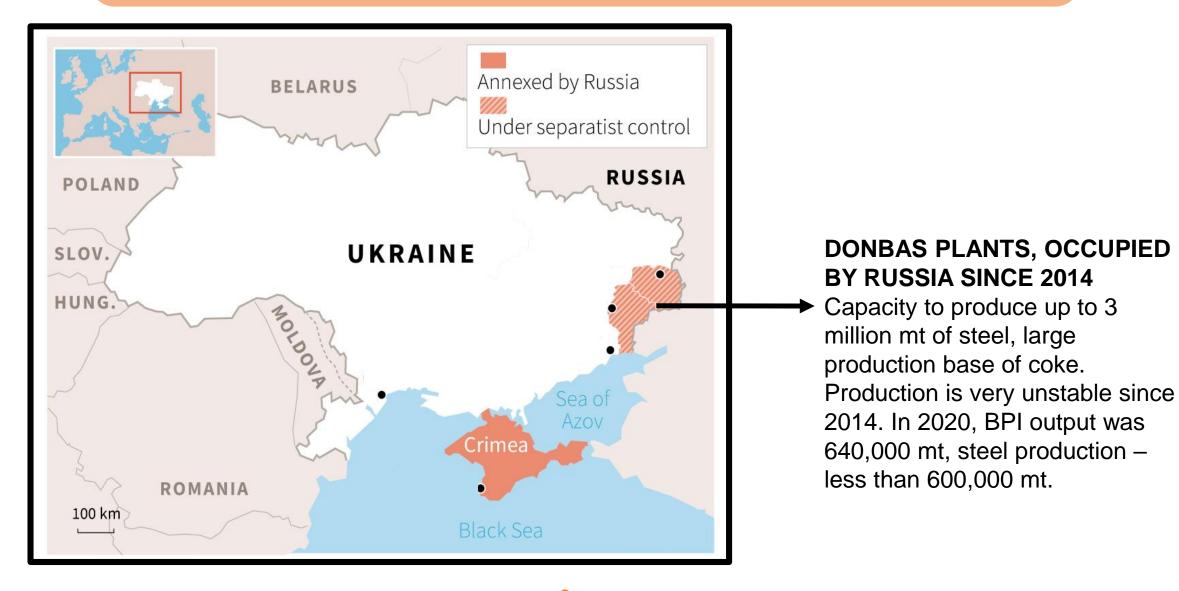
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Production at Donbas plants occupied since 2014 is unstable





Blockade of ports results in loss of 8.5 million mt of ex-Ukraine exports

UKRAINIAN PORTS

- Avov Sea ports (incl. Mariupol accounting for 20% of Ukraine's exports) seized.
- Black Sea ports (60% of ferrous metals exports)

 Odesa, Pivdennyi, Mykolayiv and
 Chornomorsk blocked due to high risks of
 mines and attacks of Russian troops.
- Black Sea ports can export only grain under the grain deal involved Turkey and the UN.
- Transportation by rail to Europe and further exports from European ports is much harder for Ukraine due to not enough capacities, and high expenses.

FERROUS STEEL EXPORTS FROM UKRAINE DROP BY 64% OR 8.5 MILLION MT IN 8 MONTHS OF 2022



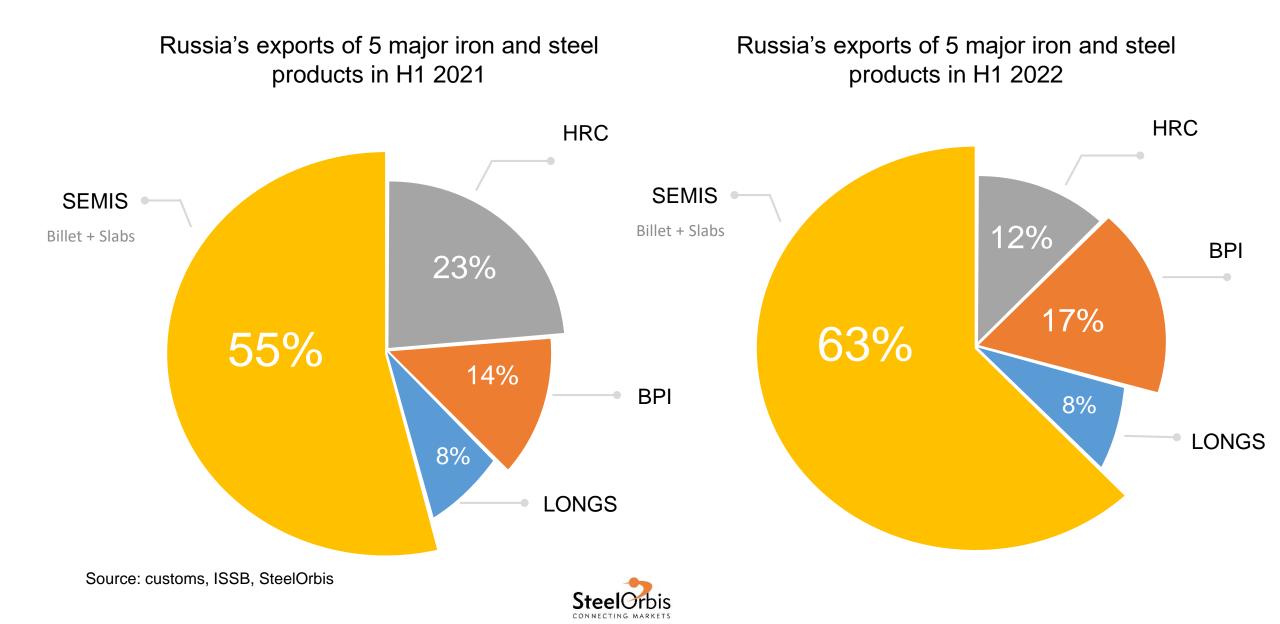
Effect of Western sanctions on Russia's steel sector is uneven

Personal sanctions	Sanctions on company	Payment issues	Payment issues	
Severstal and MMK most affected	Evraz by the UK	10 Russian banks cut from S	SWIFT	
Metalloinvest, Evraz less affected	MMK + subsidiaries by the US	Use of dollars, euros is limite	эd	
NLMK not sanctioned	EU's ban on Russia's steel Some banks' assets froze			
FORECAST for 2022		FACT H1 of 2022	FACT H1 of 2022	
	3%	Exports -5%	∕₀ ^e)-15%	
Consumption -2	0%	Consumption -10	- I J /0	
Production -1	5%	Production -7.2	2%	

Source: worldsteel, NLMK, SteelOrbis



Russia's steel exports down only 5% in H1 2022, but change by products



Semis exports hike amid slab sales, billets shipments down



BILLET exports down 12%

- Turkey cut imports from Russia by 300,000 mt due to weak market.
- Egypt faced currency shortage.
- Latin America was buying form other sources due to very high freight from Black Sea.
- Taiwan increased purchases
 slightly due to less payment
 issues.



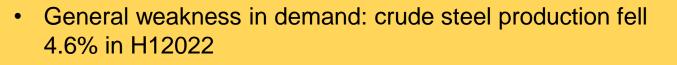
SLAB exports add 22%

- Turkey and China increased purchases the most – over 60-100% each.
- Europe didn't cut imports from Russia.
- Mexico remained among the major buyers.
- Only Taiwan cut purchases (not only from Russia).

As a result, total semis exports from Russia added 8% in H1 2022



Turkey remains among major buyers of ex-Russia steel

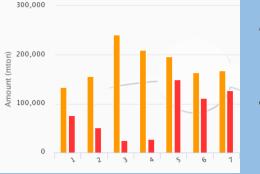


 Loss of Ukrainian volumes led to only short-lived hike in ex-Russia shipments in Q2





- Ukraine absent due to the war, ex-Russia purchases with the share of up to 100% in some months
- Much lower prices as the major factor for rise in ex-Russia slab imports

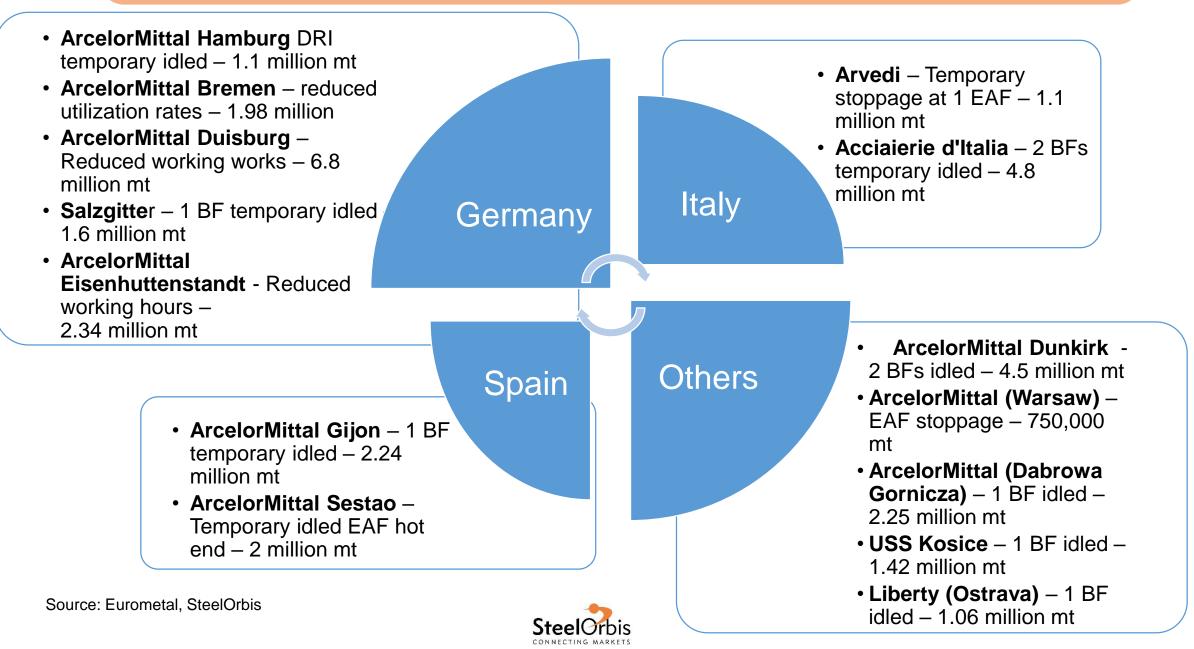


- Russia lost its leading position in HRC market due to sanctions
- India became top exporter to Turkey with 23% share, China grabbed 8% of the market, just slightly less than Ukraine (9%, down from 22%)

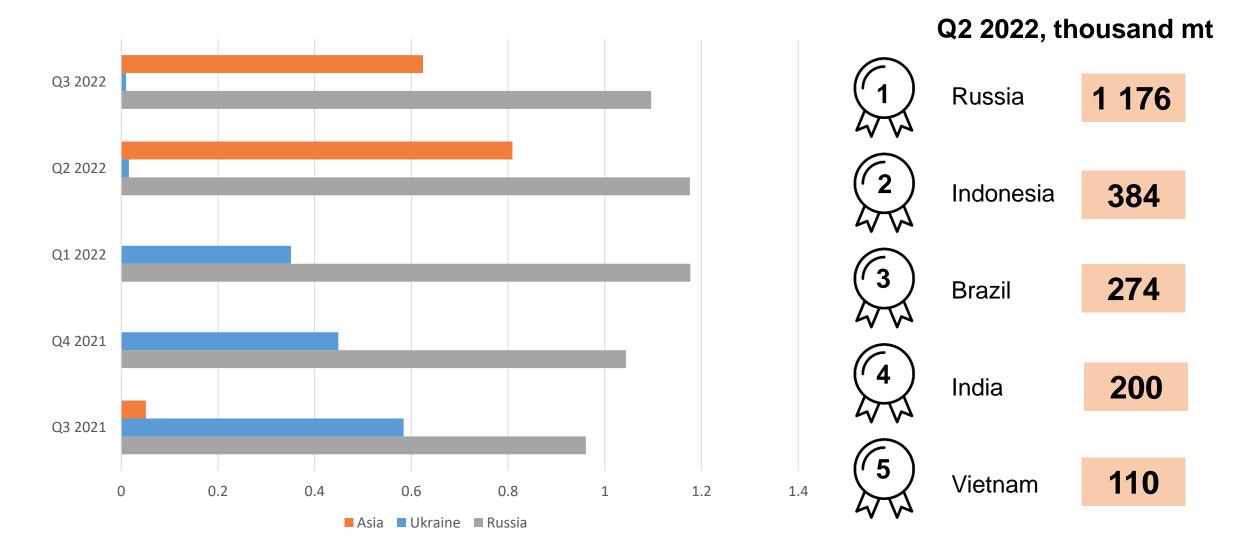




Energy crisis in Europe is one of results of the ongoing war

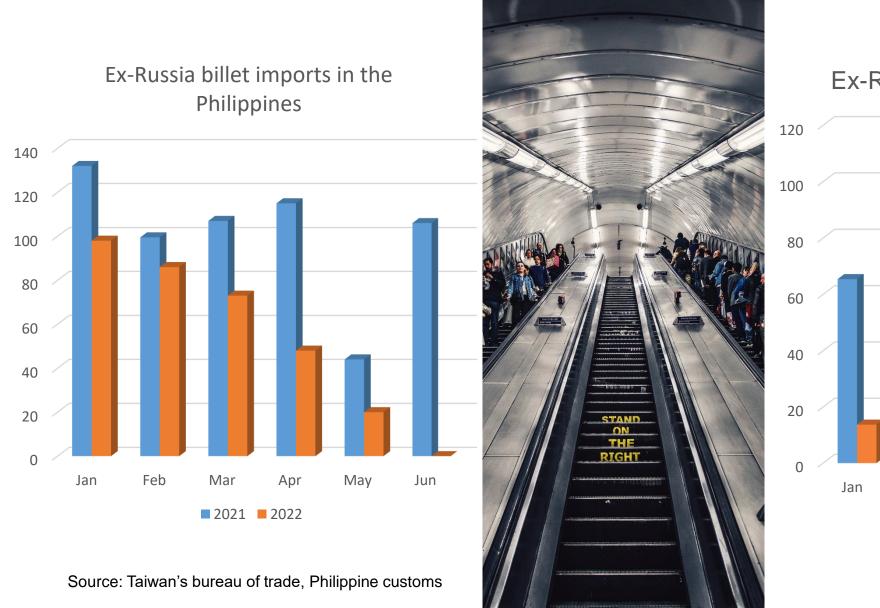


Europe substitutes ex-Ukraine slab volumes by Asian sourcing

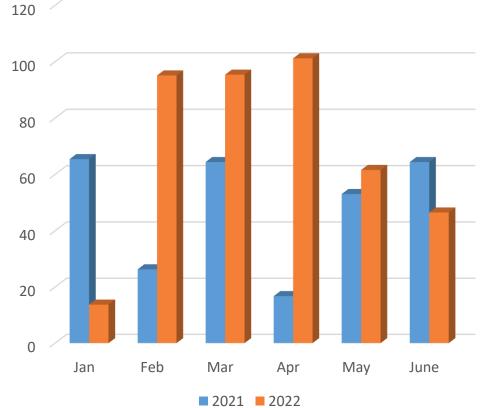




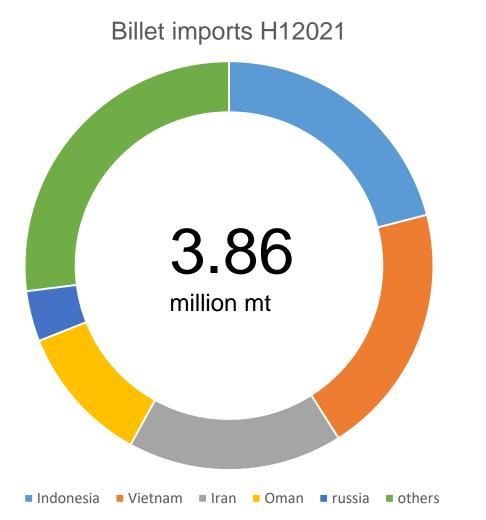
Taiwan becomes bigger ex-Russia billet buyer than the Philippines

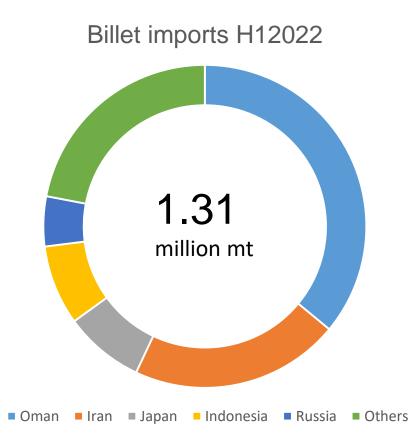


Ex-Russia billet imports in Taiwan



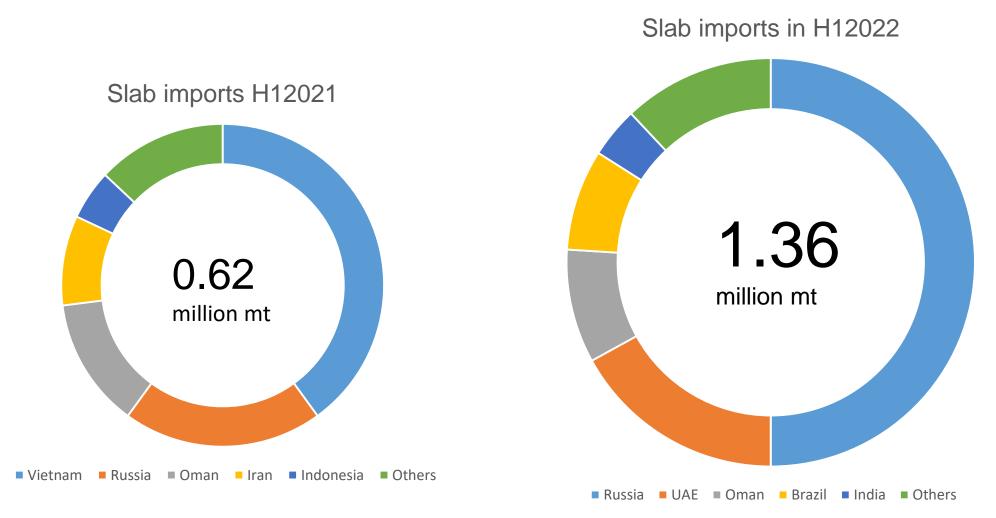
China significantly cuts total billet imports, Russian supply changes accordingly







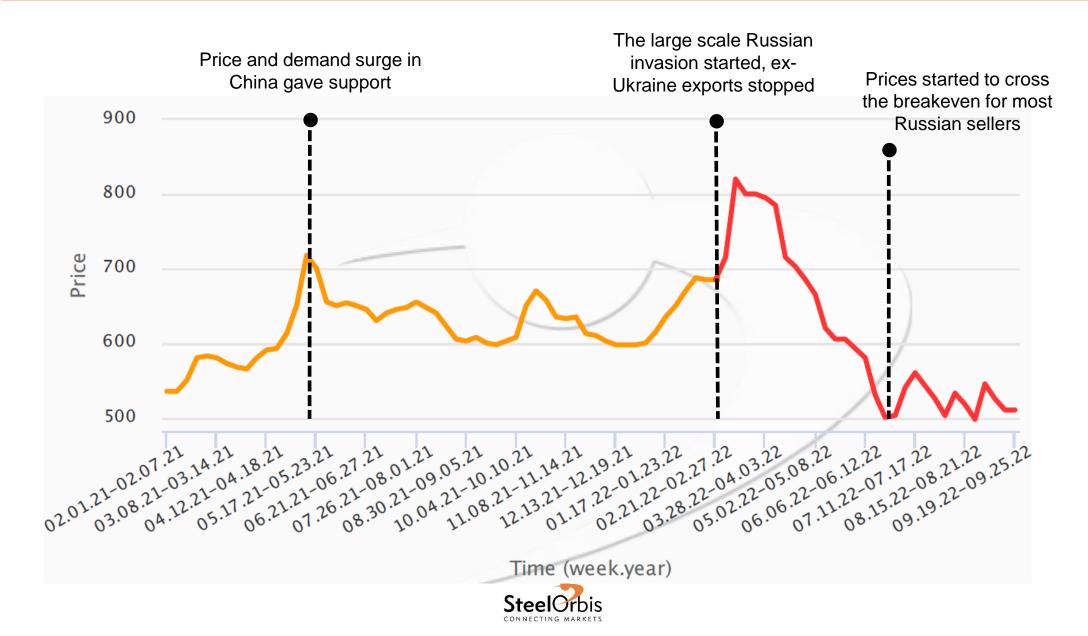
China's slabs purchases surge by 120%, Russia's share hits 50%



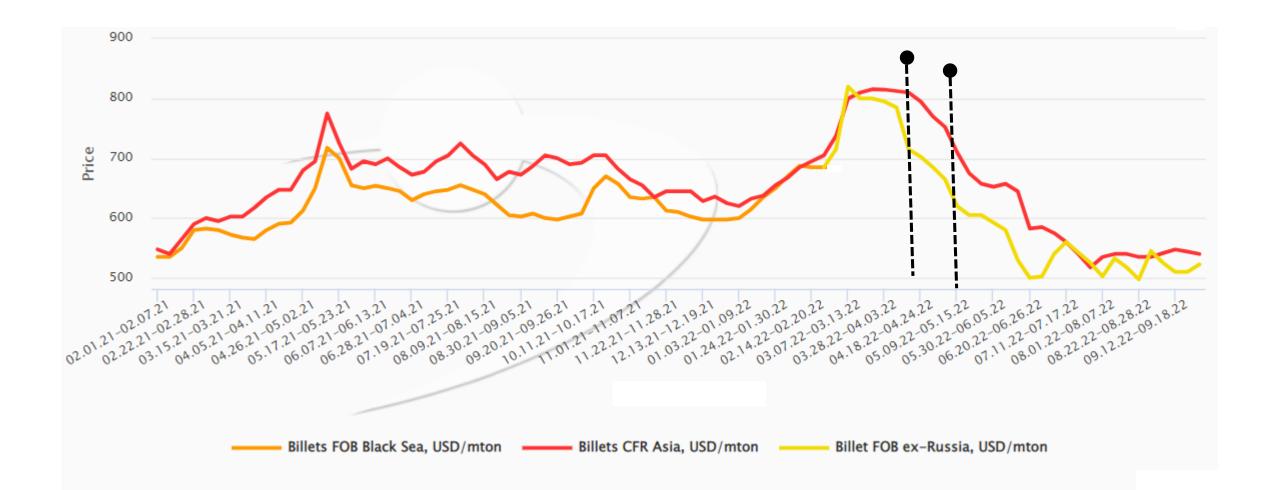
Source: customs, SteelOrbis



Billet prices surge just after the war started and were falling since then

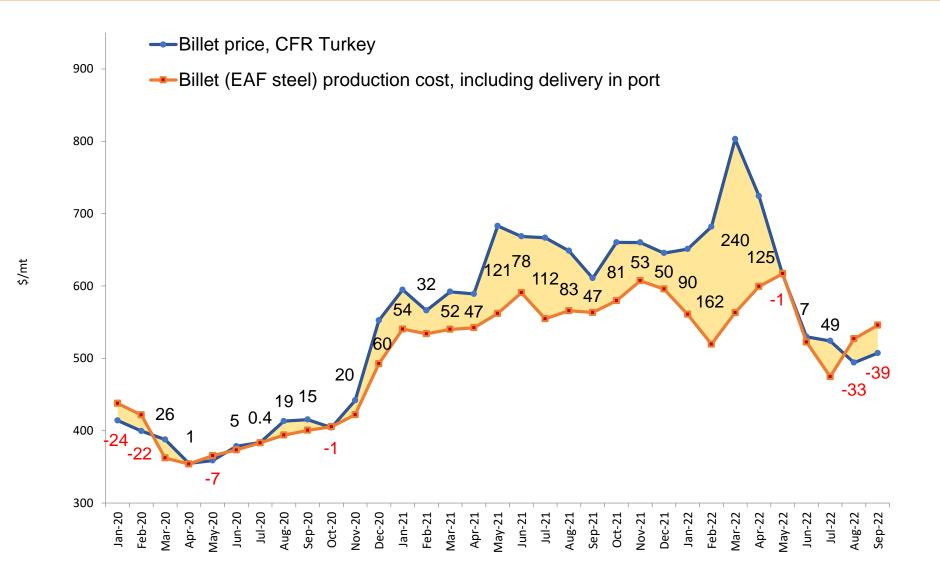


Ex-Black Sea billet sellers had short window for sales to Asia

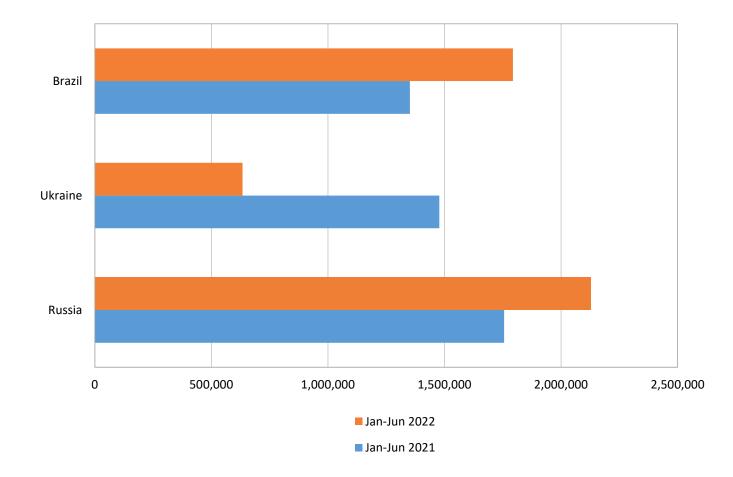




Russian billet sellers have limited space for further price drops



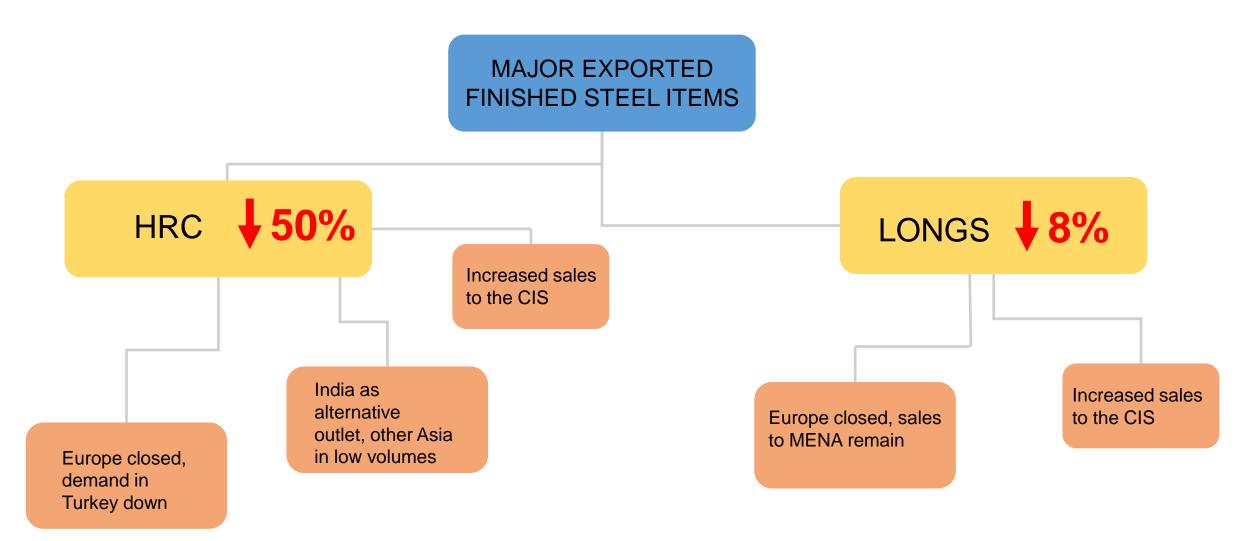
Pig Iron exports from Russia up strongly, but sales are at big discounts



- Pig iron shipments from Russia in H1 rose by 21.2 percent year on year mainly amid hike in sales to Turkey and China. But shipments to the US and Europe also maintained
- But sanctions-related risks, coupled with logistic challenges, resulted in much lower prices. In May, for instance, the average premium for ex-Brazil BPI compared to ex-Russia BPI reached \$326/mt
- Ex-Ukraine BPI exports dropped dramatically - by 57 percent.
 Shipments remained mainly to the US and Europe



Ex-Russia finished steel exports fall the most



Source: Russian rail export-bound statistics, SteelOrbis



Conclusions

- Russian war caused a huge loss of up to 10 million mt of ex-Ukraine steel and pig iron exports in 8 months of 2022 + 40% of capacities of Ukraine
- Western sanctions on Russia led to just small decline in steel exports, mainly seen in the finished steel products
- The major problems in Russian export sales are connected with payment issues and secondary sanctions risks
- Europe turns to ex-Asia semis imports and the tendency may continue

- Prices were falling and ex-Russia materials were sold at discounts like earlier happened with Iran
- Economic impact on the Asian region was bigger than real sales impact: all markets see demand recession
- Russia's exports will highly depend on sanctions, volumes to stay, but prices will remain under pressure
- Russia to continue losing its export market share to alternative origins



Q&A

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