The Mighty Dollar: Impact on Global Trade

Valentina Bruno

Kogod School of Business American University, Washington DC

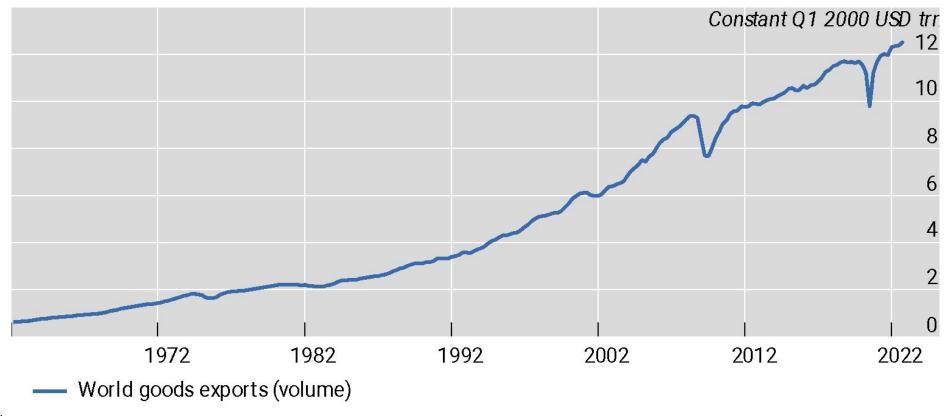
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Roadmap

1. The role of the US dollar outside the US borders as a barometer of global financial conditions

2. What happens in financial markets does not stay in financial markets

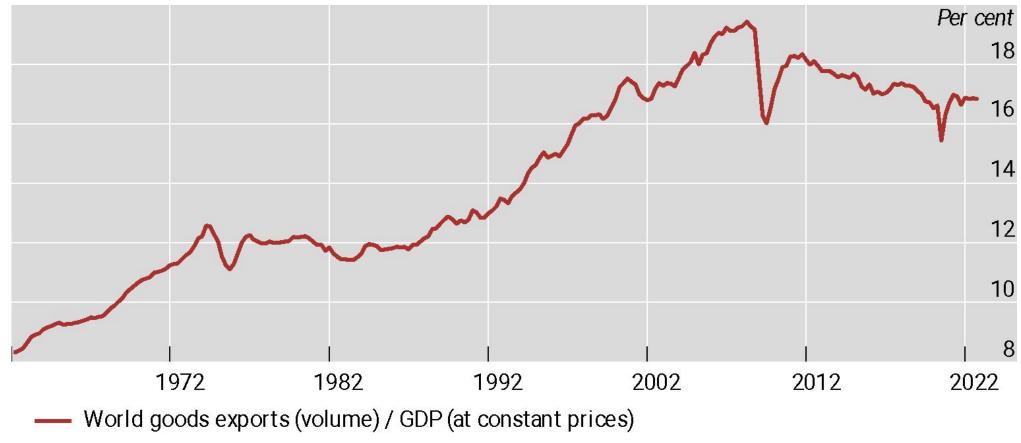
World trade (in real terms) has grown strongly in the age of globalization



Annual world goods exports volume data interpolated to quarterly frequency using world goods exports value data (due to data constraints), based on Chow-Lin method for temporal disaggregation.

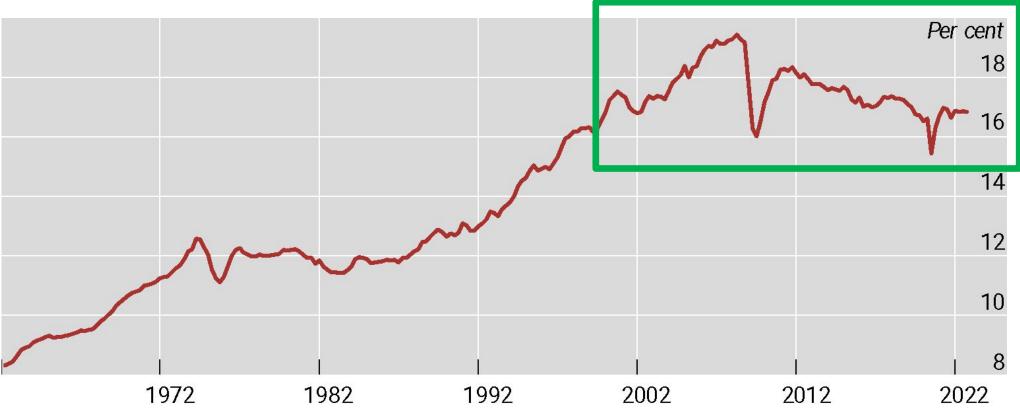
Sources: IMF; WTO; BIS.

Exports as a proportion of world GDP



Ratio of world goods exports to world GDP, both in constant prices at Q1 2000 USD. Annual world GDP data backdated and interpolated to quarterly frequency using a constructed quarterly world GDP aggregate for a smaller sample of economies (due to data constraints). Annual world goods exports volume data interpolated to quarterly frequency using world goods exports value data (due to data constraints). Based on Chow-Lin method for temporal disaggregation.

Trade growth has stagnated since the Great Financial Crisis of 2008



— World goods exports (volume) / GDP (at constant prices)

Ratio of world goods exports to world GDP, both in constant prices at Q1 2000 USD. Annual world GDP data backdated and interpolated to quarterly frequency using a constructed quarterly world GDP aggregate for a smaller sample of economies (due to data constraints). Annual world goods exports volume data interpolated to quarterly frequency using world goods exports value data (due to data constraints). Based on Chow-Lin method for temporal disaggregation.

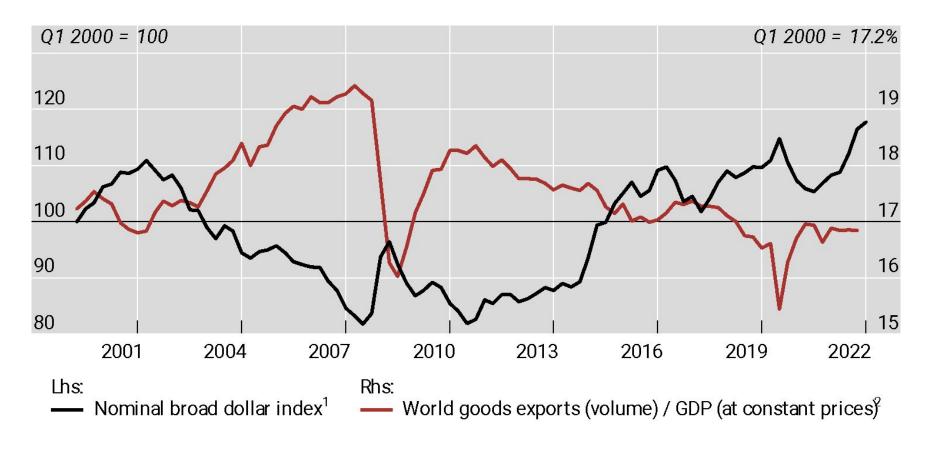
When the US dollar is strong.....

A) Non-US firms
Competitiveness
improves, Economic
Activity picks up

B) Financial conditions tighten, Economic activity drops

C) I'll ask ChatGPT

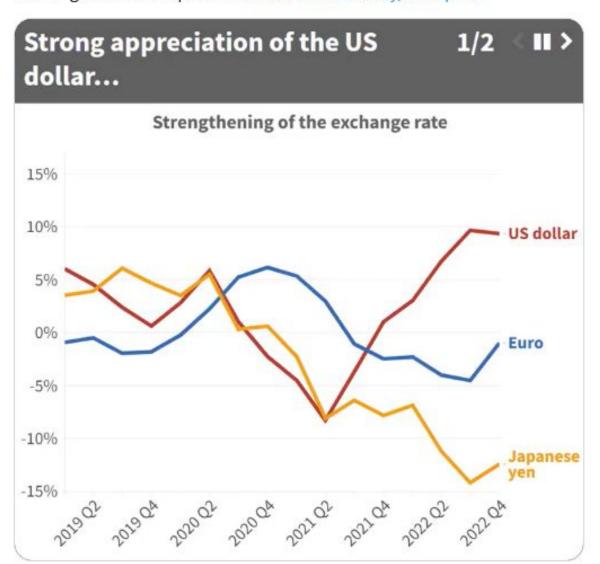
Global trade relative to GDP has fluctuated with financial conditions, as measured by the broad dollar index



Bruno and Shin (2023) "Dollar and exports" https://www.bis.org/publ/work819.htm

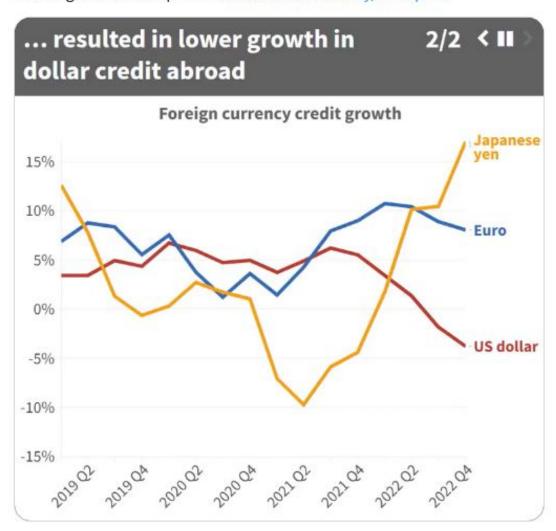


Dollar credit to non-banks outside the US shrank by 4% during 2022, a rate not seen since the Great Financial Crisis. Credit growth across the three major currencies has diverged, reflecting funding costs and exchange rate developments #BISStatistics bit.ly/3n7KpmC

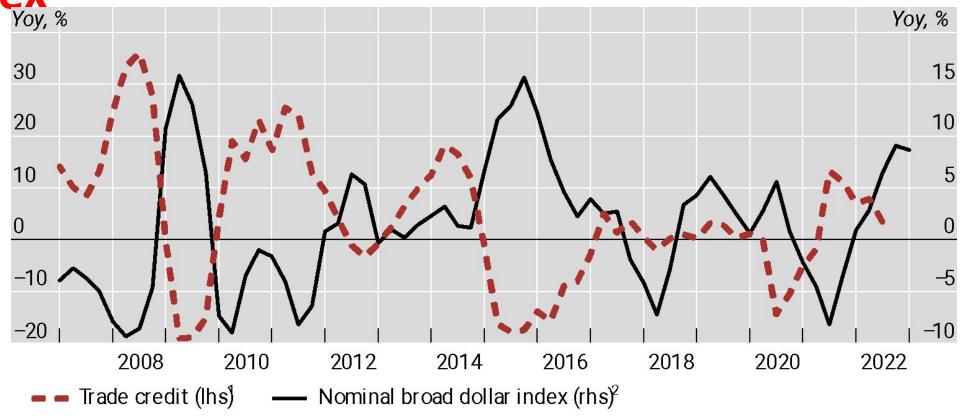




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Annual growth of trade finance from banks follows closely the movements in the broad dollar index



¹ Total trade finance volume reported to the BIS by nine central banks. ² Federal Reserve Board trade-weighted nominal dollar index, broad group of major trading partners of the US ("broad"), based on trade in goods and services. An increase indicates appreciation of the US dollar.

First takeaway

 The US dollar is a barometer of global financial conditions: when it appreciates, financial conditions tighten and credit supply drops (and viceversa)

 The direction of the underlying broad US dollar exchange rate will give a sense of the underlying currents for the global economy

What happens in financial markets does not stay in financial markets.....

The international role of the US dollar

In per cent



Source: BIS, Quarterly Review 2022

Date 2

Date 3

Stage 1

Stage 2

Date 2

Date 3

Stage 1



Stage 2

Date 2

Date 3

Stage 1

Stage 2



Date 2

Date 3

Stage 1

Stage 2

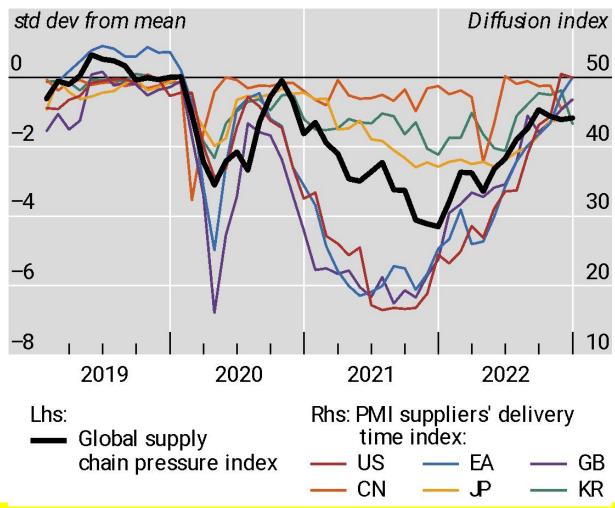


Stage 1	v
Stage 2	2v
Stage 3	3v

Assets	Liabilities
Cash	Equity
(1 period old) (= v)	
Inventories (2 periods old) (=2v)	
	Short-term debt
Inventories (3 periods old) (=3v)	
Receivables Long-term assets	Payables Long-term liabilities

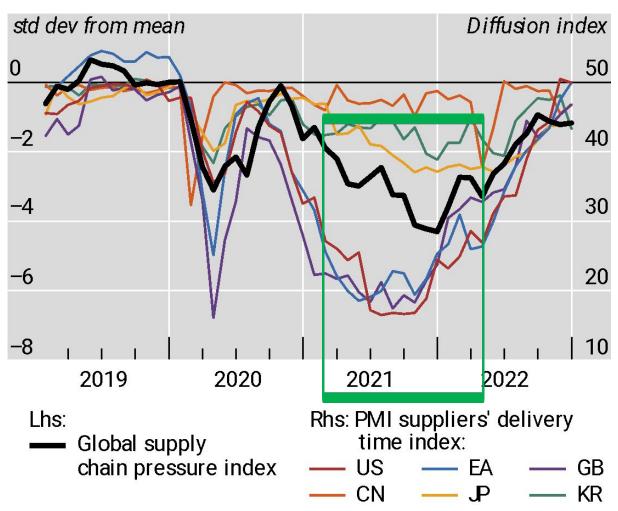
Kim and Shin (2023) "Theory of supply chains: a working capital approach" https://www.bis.org/publ/work1070.htm

Supply chain indicators



For global supply chain pressure index, negative figures indicate higher supply constraints. For PMI

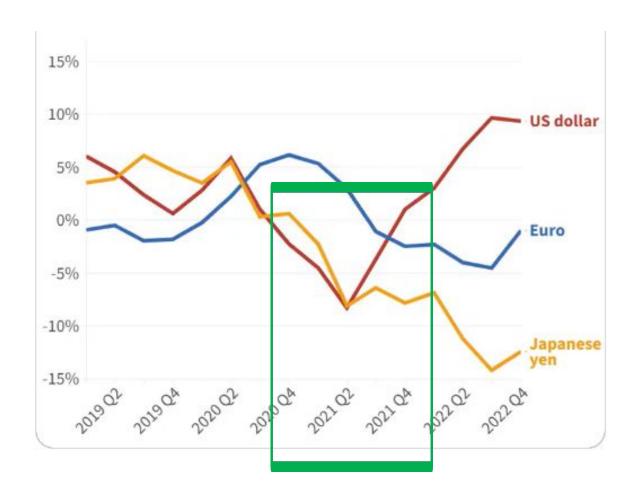
Supply chain indicators



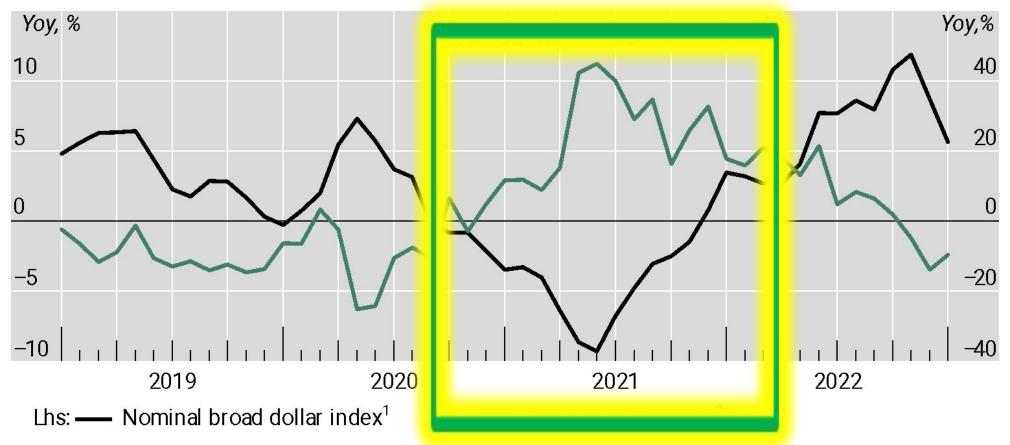
For global supply chain pressure index, negative figures indicate higher supply constraints. For PMI suppliers' delivery time index, a value below 50 indicates delivery times lengthening.

Sources: Federal Reserve Bank of New York; IHS Markit; BIS.

Weak dollar,Lots of lending



Case of Korean exports: booming in 2021, when the dollar was weak and despite bottlenecks



¹ Federal Reserve Board trade-weighted nominal dollar index, broad group of major trading partners of the US ("broad"), based on trade in goods and services. An increase indicates appreciation of the US dollar. ² In current prices.

Concluding remarks

- Dollar is a barometer of global financial conditions: when the dollar is strong, financial conditions tighten (and viceversa)
 - Monitoring of exchange rates as a gauge of global financial conditions may be a useful complement to other market indicators for investment purposes.

What happens in financial markets does not stay in financial markets:

- For trade, the drop in dollar credit supply negatively affects working capital costs and the operation of supply chains with a negative effect on exports.
- Building and sustaining supply chains are finance-intense activities, so when financing conditions tighten and banks pull back from dollar funding, some global value chains may no longer be viable.



References

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