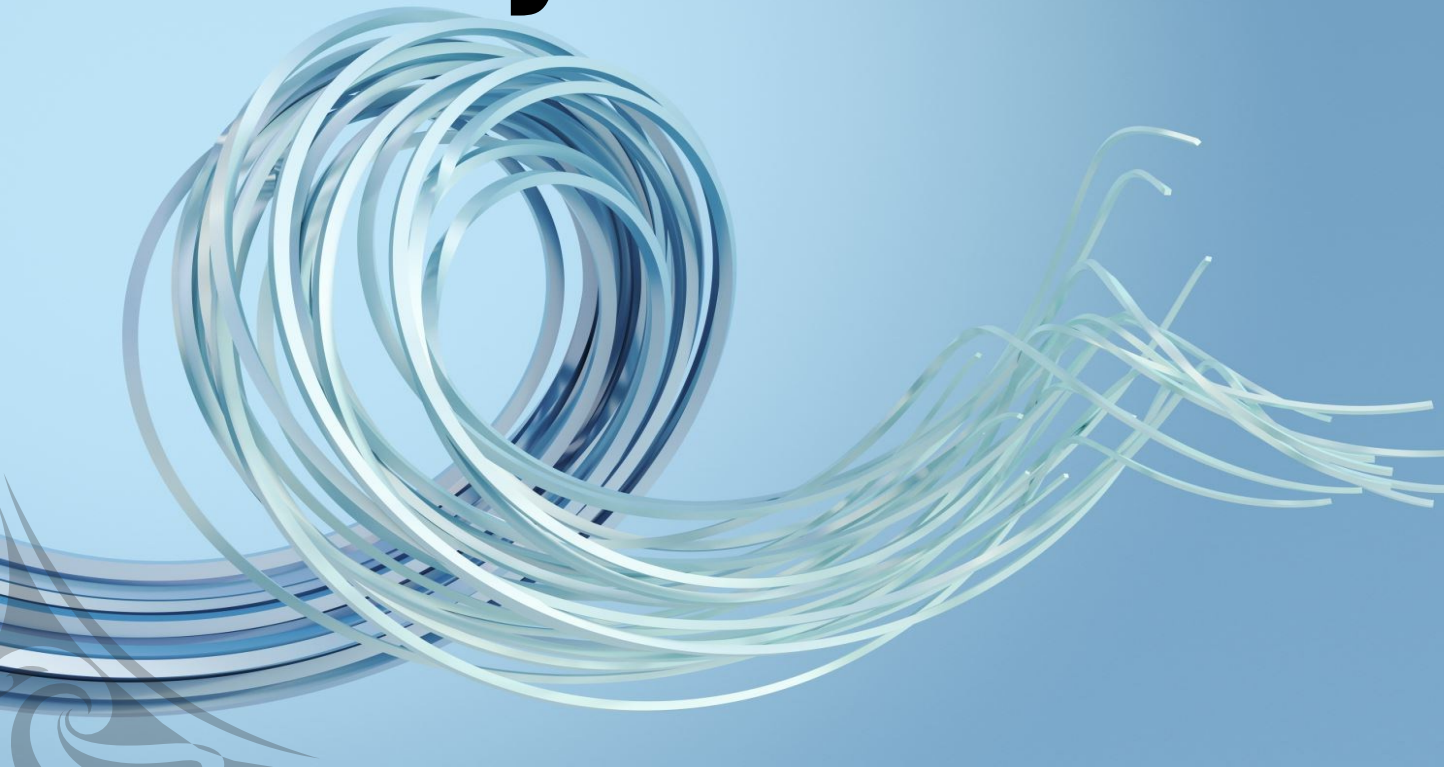




FOMA: Understanding the change coming our way...

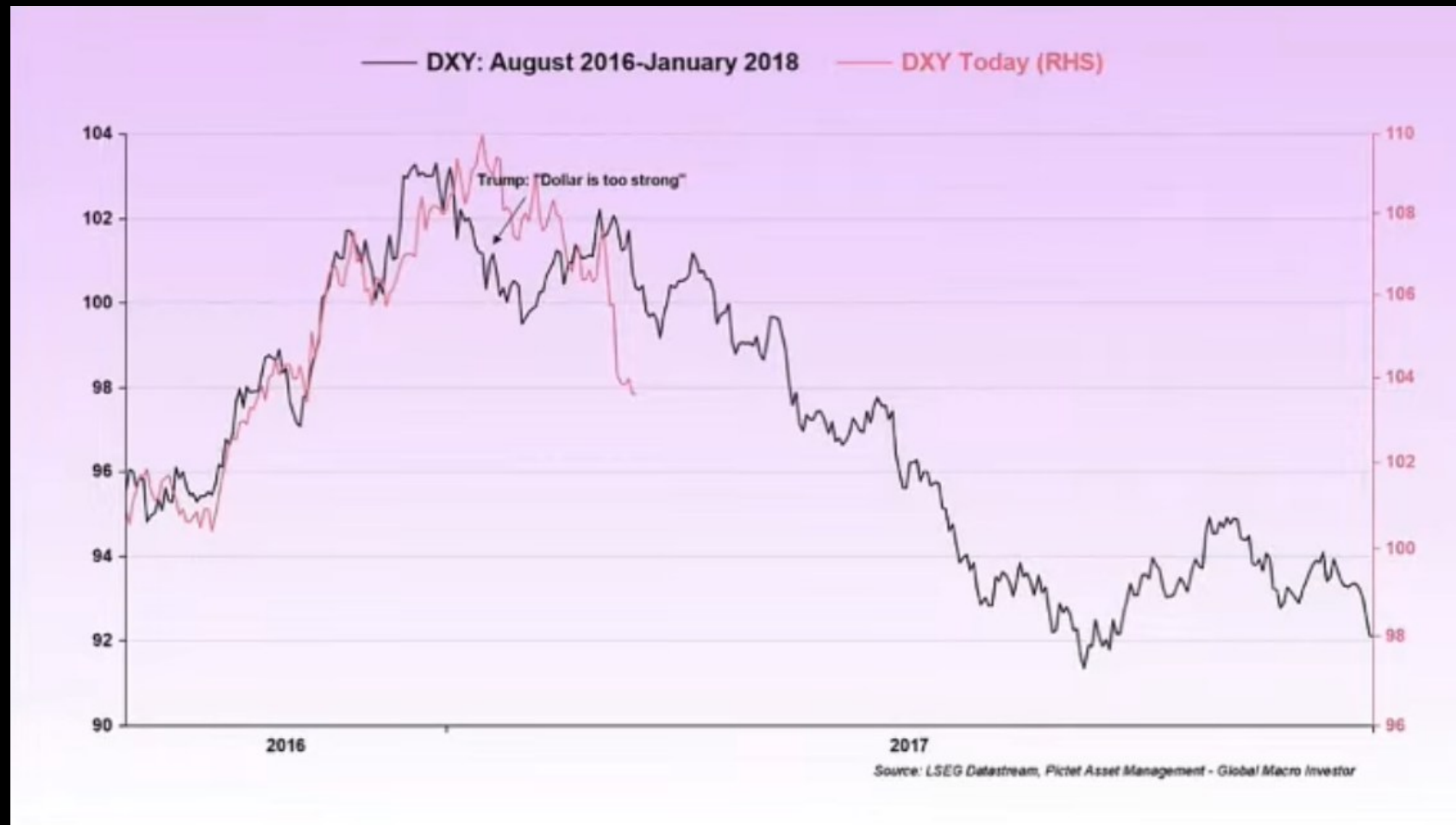


Our context...



Watch the US dollar...

Global considerations: macro/financial dominate



And global liquidity...

Global considerations: macro/financial dominate



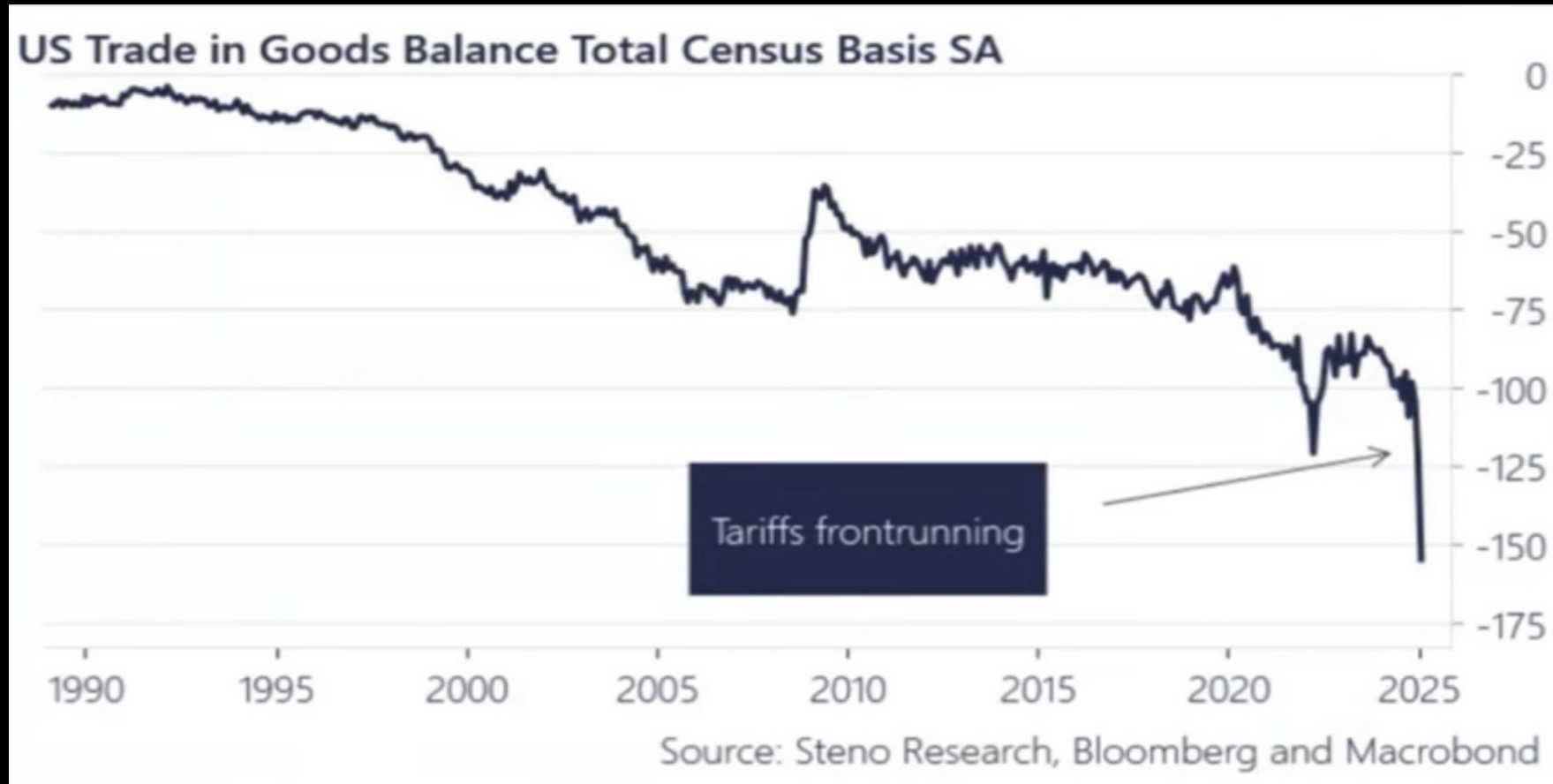
And global liquidity...

Global considerations: macro/financial dominate



US trade update...

Global considerations: macro/financial dominate



US policies impacting growth

NOW



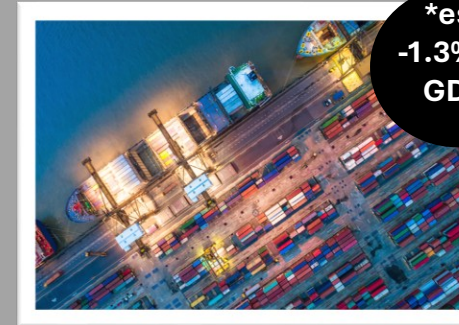
***est.
-7.9% of
GDP**

Large systematic deportation – reducing US domestic workforce and economic activity



**est.
-6% of
GDP**

Reduction of US government expenditure – expressed target is US\$2tn/yr



***est.
-1.3% of
GDP**

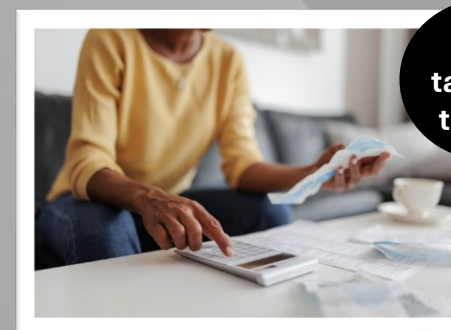
Broad and/or high tariffs – shifts the competitiveness and/or financial viability for affected trade

STILL TO
COME



**largest
potential
impact**

US bitcoin reserve – rebase US reserves and potentially lead to gamification of the global financial system & offset US debt



**Corp
tax 21%
to 15%**

Tax cuts (company/HNWI) – wealth inequality expands while waiting for trickle downs to occur

* Bloomberg economists' estimates

What does NZ
need to get its
head around...



How to understand the important...not the noise...

Exponential compute power

The recent announcement of the Blackwell, Willow and Majorana chips are due to be in mass production by 2026:

"Google scientists (Willow chip) have created a new quantum processor that, in five minutes, cracked a problem that would have taken the world's best supercomputer 10 septillion years to solve."

Moore's law is no more: compute power used to 'double every two years', we have seen compute power 100x in the last year due to new infrastructure, software and scale of cloud computing. And this is all before quantum computing goes mainstream.

Humanoid robots – the next 'iPhone' moment

People have designed the world around the human form – there are currently 15 companies seeking to bring humanoid robots to the market. Future market estimates are for a US\$10tn market sometime next decade.

ASEAN is the new global growth engine – not China

The shift of manufacturing and new investment from China into ASEAN countries, coupled with their wealth and population growth and lack of ability to feed themselves will result is a 20-30 year growth opportunity for New Zealand. This is a long strategic play not short term. Other growth areas of interest to NZ are the GCC and Mexico.



Three opportunities to consider now...



Ocean up-welling – new carbon capture technologies that help restore biodiversity – Ocean artup



Water solutions – environmentally friendly scalable desalination – Oneka Technologies can produce 1,000-50,000 of drinkable water per day per unit..



Bacteria in the soil – Cloacibacterium sp. CB-01 reduced N₂O emissions by 50-95%, depending on soil type – at a European level, national anthropogenic N₂O emissions could be reduced by 5-20%, and more if including other organic wastes.

Hiis, E.G., Vick, S.H.W., Molstad, L. et al. Unlocking bacterial potential to reduce farmland N₂O emissions. *Nature* 630, 421-428 (2024).
<https://doi.org/10.1038/s41586-024-07464-3>.

Key conversations to start today...plan for change now...



Additional value capture role and power of supermarkets play in the food system is being challenged. The development of new value chains offers new opportunities to capture greater value. New capabilities to transact goods, collect additional cashflows and create new/different relationships with value chain partners/customers.



AI agents takeover customer interactions and transactions

The first agents are just starting to be used now, they're still limited in scope and capability. But this is the next step to a digital workforce, the anticipated steps are: upskill, new scale, and create new (make decisions and take actions - think Jarvis from Iron Man). Rapid advancements of converging technologies will drive job displacement - WEF predicts 85m jobs losses by 2027





MPI Insights

Ministry for Primary Industries

The End.

NOT GOVERNMENT POLICY

Global food system shifts 2024-30

