THE WORLD ECONOMY THIS WEEK

7TH MARCH 2022

SAUL ESLAKE CORINNA ECONOMIC ADVISORY INDEPENDENT ECONOMICS

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What's new?

THE WORLD ECONOMY THIS WEEK – 7TH MARCH 2022 Notwithstanding the fierce resistance of the Ukrainian military and people, and the strong adverse reaction (short of direct military involvement) from both 'western' and most 'non-aligned' nations, to Russia's invasion of its neighbour, it seems inevitable that Russia will eventually succeed in capturing as much Ukrainian territory as it wishes to, and installing a 'puppet regime': but it remains completely unclear what happens after that – or what might happen if Russia somehow fails to achieve its objectives (slides 5-6) Commodities and financial markets have reacted in (broadly) predictable fashion to the events in Ukraine (slides 7-8): the spike in commodity prices will, if sustained, will boost 'headline' inflation but detract from economic growth, complicating the tasks ahead of 'advanced' economy central banks, while western sanctions, particularly those directed at Russia's central bank (slide 10) are hurting the Russian economy (slide 11) February PMIs suggest continued strength in manufacturing activity in most major economies (apart from Brazil) but a slowing in services activity in the US and Japan (slide 30); the picture in Asia was more mixed (slide 101) Global supply chain pressures have eased somewhat in the first two months of this year but remain at historically high levels (slide 38), reflecting continuing imbalances in trade patterns, particularly between the US and Asia (slides 40-41) US Federal Reserve Chair Jerome Powell fairly unequivocally signalled that the Fed would likely raise the funds rate 25 basis points at next week's FOMC meeting, and could raise rates by 50 bp at a subsequent meeting if inflation doesn't fall as expected (slide 69) Euro area 'headline' inflation reached a record 5.8% over the year to February, largely due to a 31.7% rise in energy prices over that period, while 'core' inflation was a more subdued 2.7%, though that's still above the ECB's target (slide 75)

- Korea's 'core' inflation rate rose to 3.2% in February (<u>slide 103</u>), suggesting another rise in the BoK's policy rate is likely after this week's Presidential election; meanwhile Bank Negara Malaysia left its policy settings on hold last week, and like most other Asian central banks (except Korea's and Singapore's) shows no inclination to begin raising rates any time soon (<u>slides 111-112</u>)
- □ The Bank of Canada last week began the task of 'normalizing' monetary policy settings, raising its policy interest rate by 25 bp to 0.5% and foreshadowing both further rate hikes and 'quantitative tightening' (shrinking its balance sheet) (slide 122) following a stronger-than-expected 1.6% GDP growth in Q4 (slide 123) and inflation "well above target"
- Australia's economy rebounded by 3.4% in Q4, more than reversing the 1.9% contraction in Q3 induced by lockdowns in its two most populous states: but the Reserve Bank of Australia again left its cash rate unchanged at 0.1%, emphasizing a willingness to be "patient" in seeking more evidence as to whether inflation is "sustainably" within its 2-3% target band (slide 124)
- □ Brazil's real GDP rose 0.5% in Q4, to be 0.5% above its pre-pandemic peak in Q4 2019 though still 2.8% below the earlier peak in Q1 2014 (slide 128)
- Turkey's real GDP increased 1.6% in Q4, to be 14% above its pre-pandemic peak, the strongest recovery of any economy bar Ireland's (slide 24), but inflation accelerated further to 54.4% over the year to February (or 27% excluding food & energy) (slide 132)

Russia's invasion of Ukraine

There is no clarity as to how or when the conflict in Ukraine will end – but among its many consequences are additional headaches for central banks

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- Russia (and China) will have been surprised by both the resistance shown by the Ukrainian military and people, by the unity and determination shown by 'the west', and by the breadth of opposition to Russia's actions from 'non-aligned' nations (with a few disappointing exceptions, notably India)
- Nonetheless, given Russia's overwhelming superiority in military capabilities (slide 6), the previously demonstrated ruthlessness with which it is willing to use them (including against civilians), and the West's unwillingness to put "boots on the ground" (and the equivalent in the air) it seems inevitable that Russia will eventually succeed in capturing as much Ukrainian territory as it wishes to, and replacing the current Ukrainian government with a 'puppet regime'
- ☐ The history of previous foreign occupations (including most recently Iraq and Afghanistan) suggests that a 'force ratio' of at least 20 troops per 1,000 head of population is required to be 'successful' (from the perspective of the occupier) which would imply that Russia would need around 880,000 troops, an almost impossibly large number out of its total army strength of around 1 million
- □ The 'end game' thus remains very uncertain if things go 'well' for Russia, it's unclear where Putin will stop; if things turn out badly for Russia (eg it fails to 'take' or 'hold' Ukraine), it's not clear that there is any internal capacity to 'remove' Putin in the way that Nikita Khrushchev was moved aside after the Cuban missile crisis
- □ The wide-ranging sanctions imposed on Russia (including in particular those applying to Russia's central bank) appear to be inflicting significant damage to Russia's economy (notwithstanding the 'no limits' support offered by China) however it's unclear what if any impact that economic damage will have on support for Putin
- Belarus Russia 2. Kharkiv Axis Poland Ukraine Donbas Krasnodar Assessed Russian Advances in Ukraine * Assessed Russian-controlled Ukrainian Territory Claimed Russian Control Over Ukrainian Territory Ukrainian Highways 900 Kilometers Map by George Barros, Kathryn Tyson, and Thomas Bergeron 2022 Institute for the Study of War and AEI's Critical Threats Project

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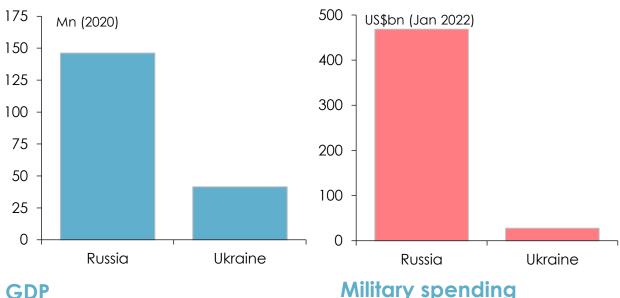
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The broader economic consequences of the conflict greatly complicate the monetary policy challenges confronting central banks elsewhere in the world, especially in Europe: large increases in energy and food prices will amplify inflationary pressures, but will also act as a drag on economic growth, making decisions as to when and by how much to tighten monetary policy much more difficult

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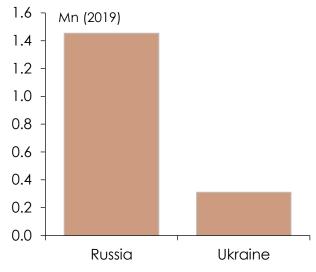
Russia out-numbers Ukraine in just about everything that matters in a military conflict – except, perhaps, courage and 'moral capital' (though they're both hard to put in charts)



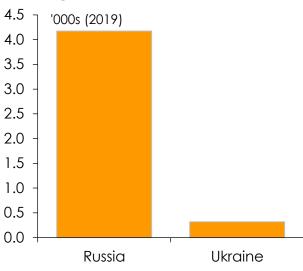


FX reserves

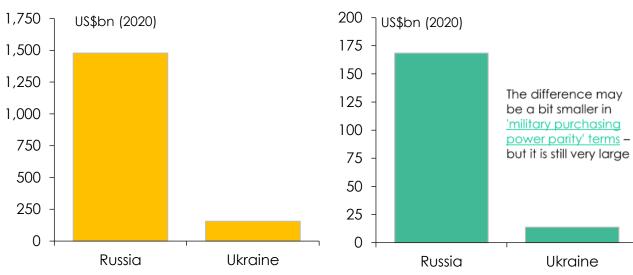
Armed forces



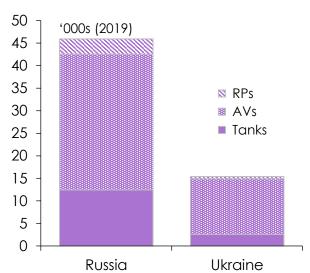
Military aircraft



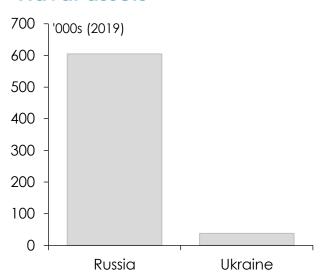
Military spending



Military hardware



Naval assets



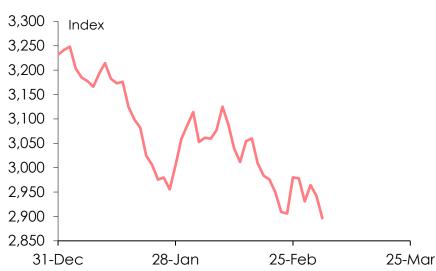
Note: GDP is in US\$ at market exchange rates; 'AVs' are armoured vehicles; 'RPs' are rocket projectors'; 'military aircraft' include airplanes, helicopters, transports and tankers; 'naval assets' include aircraft & helicopter carriers, destroyers, frigates, corvettes, submarines and other vessels. Sources: IMF, World Economic Outlook database; October 2021; Stockholm International Peace Research Institute, Military Expenditure Database; Global Firepower, 2022 Military Strenath Rankina, Return to "What's New",



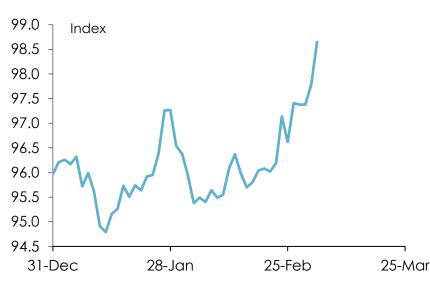
Financial and commodities markets have reacted in more-or-less predictable ways to the war in Ukraine

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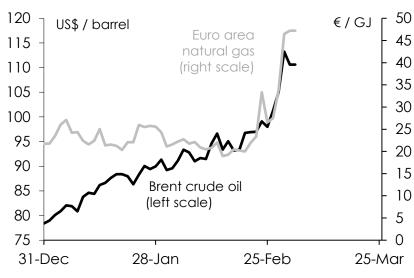
MSCI World stockmarket index



US dollar DXY index



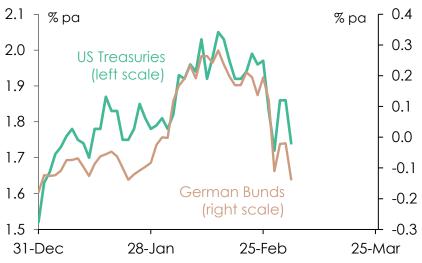
Energy prices



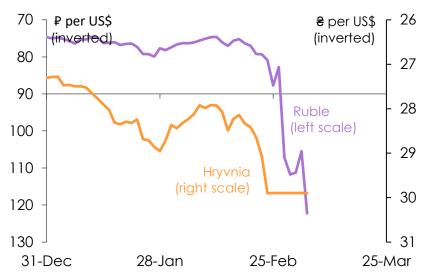
Gold price



10-year bond yields



Russian & Ukrainian currencies

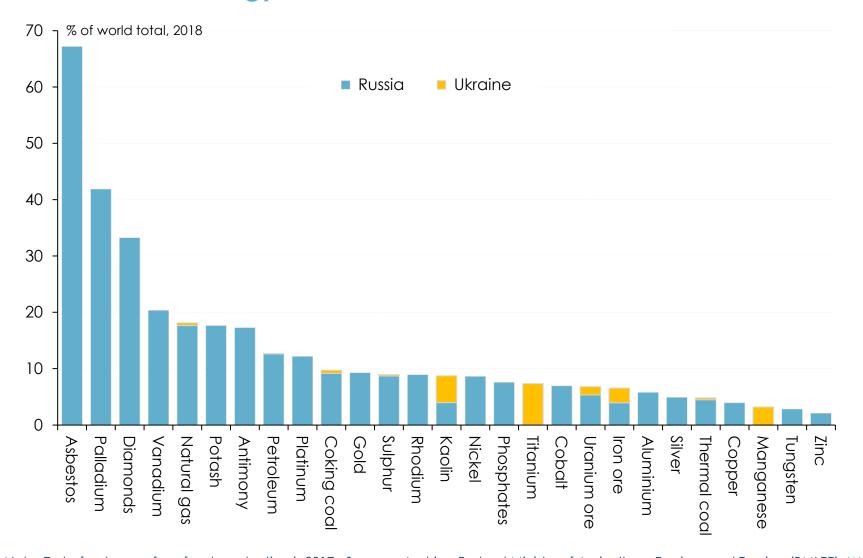




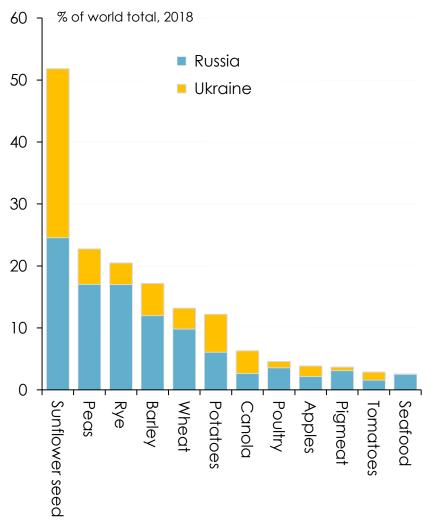
Russia and Ukraine are major producers of a range of mineral, energy and food commodities whose prices will go up because of the conflict

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Russian and Ukrainian shares of global commodity production Minerals and energy, 2019



Food, 2018

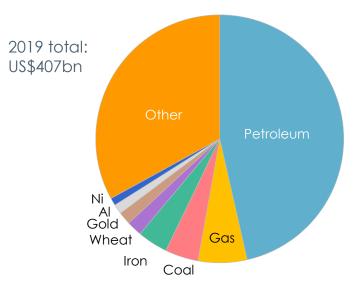




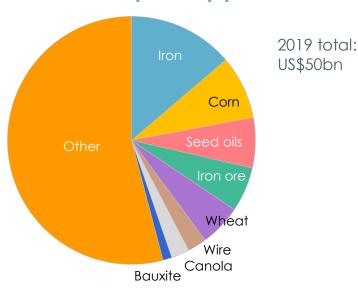
Russia is a major exporter of energy and metals, Ukraine of grains and iron – China and European economies are major trading partners of both

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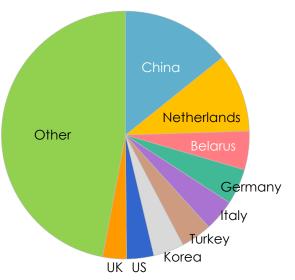
Russian exports by product



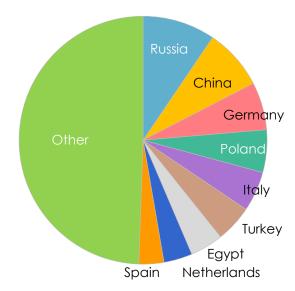
Ukrainian exports by product



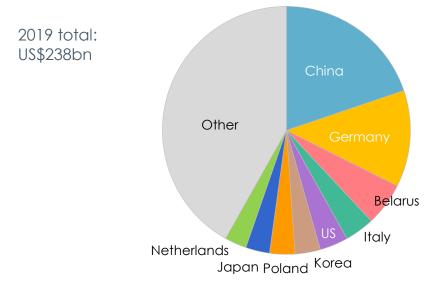
Russian exports by destination



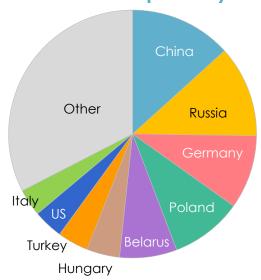
Ukrainian exports by destination



Russian imports by origin



Ukrainian imports by origin



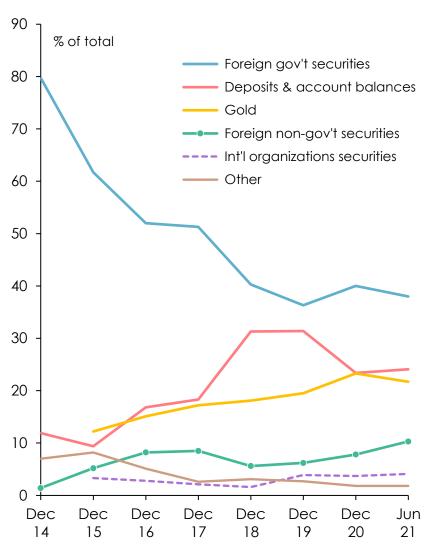
2019 total: US\$55bn



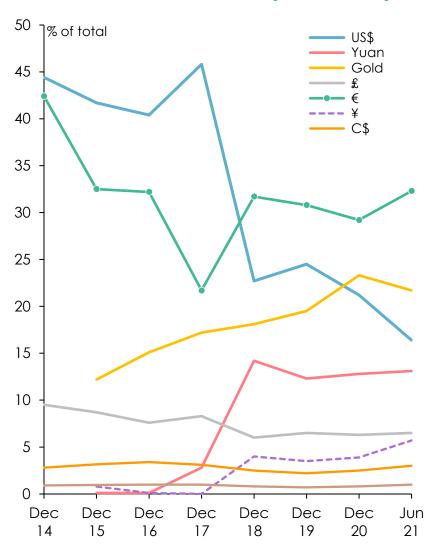
Russia's central bank had been re-arranging its portfolio over the past seven years to reduce its exposure to sanctions, but they will still 'bite'

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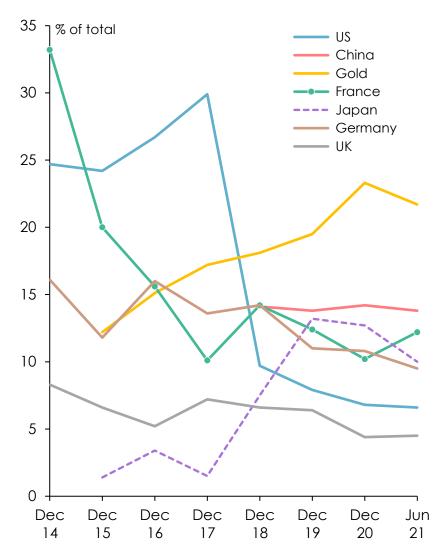
Russian FX reserves by instrument



Russian FX reserves by currency



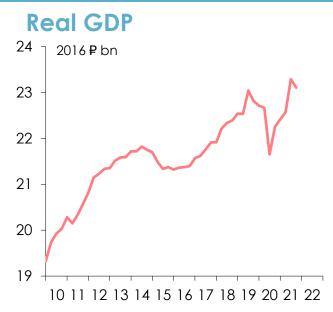
Russian FX reserves by location



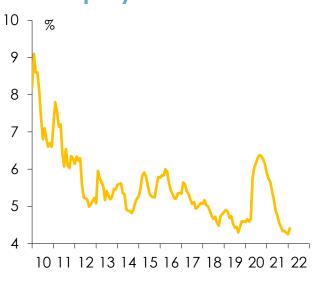


Western sanctions have forced a plunge in the ruble and a sharp rise in interest rates which will hurt Russia's 'over-heating' economy

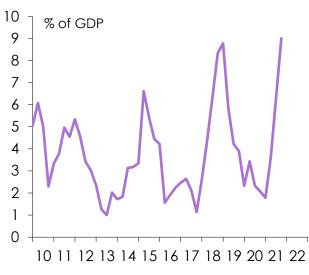
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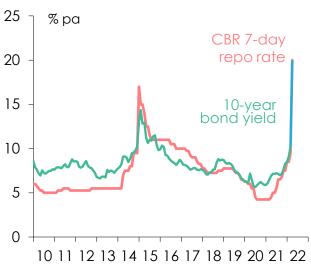
Unemployment



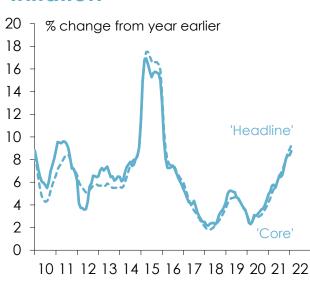
Current account balance Intere



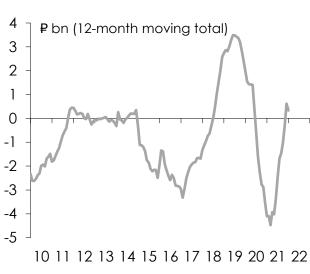
Interest rates



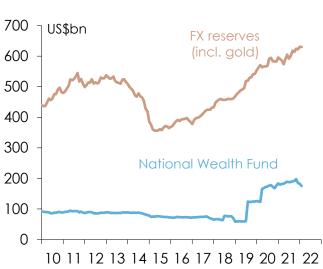
Inflation



Federal budget deficit



State financial assets



Russian ruble vs US\$

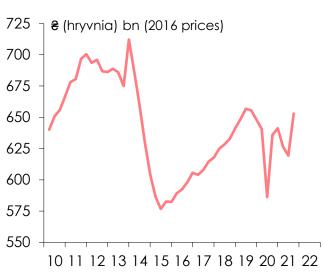




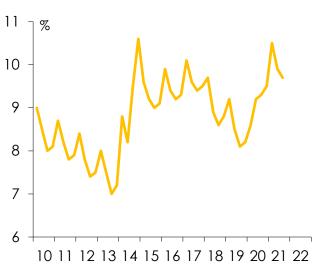
Ukraine's economy was severely harmed by Russia's invasion in 2014, and is in a weaker condition than Russia's as the latter invades again

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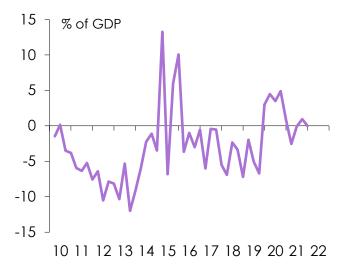
Real GDP



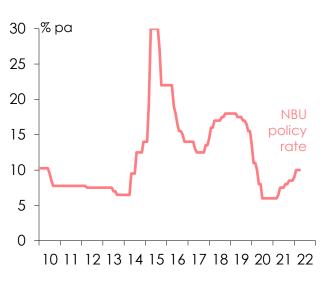
Unemployment



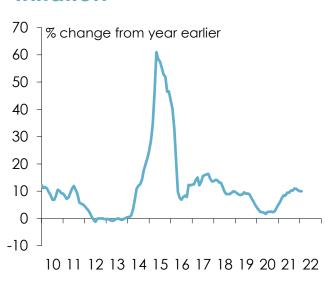
Current account balance



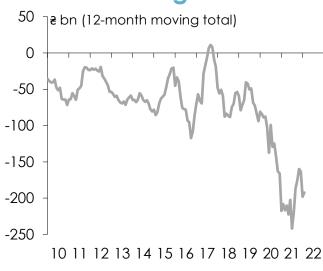
Interest rates



Inflation



Federal budget deficit



FX reserves



Ukrainian hryvnia vs US\$





The virus

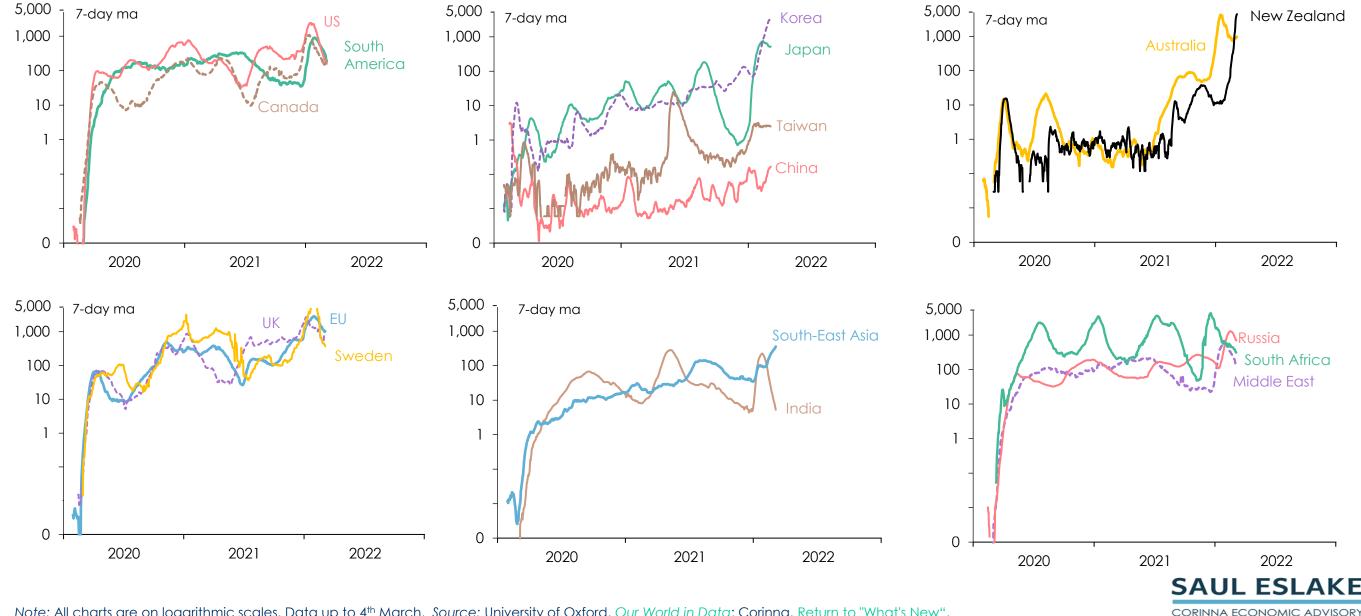
The number of new infections has more than halved since its peak in mid-January, although there are still concerns about a possible new variant

New deaths -New confirmed cases -Cumulative confirmed cases – global total global total alobal total Millions 5,000 25,000 10000 100 1000 Almost 444 mn people (5.7% of the world's population) have 10 now been infected with Covid-There were just over 51,500 officially-1000 19 - 155 mn (35%) of them since recorded Covid-related deaths worldwide the beginning of this year this past week, the lowest number in six There were 10.6mn new infections 100 world-wide last week, the lowest weeks – and as a proportion of the number since the last week of last year, of cases, the 'fatality rate' has continued to and 55% below the peak two decline, to 1.41% in the past week, from 2weeks ago – suggesting that, 2.5% throughout 2021. Official figures almost globally, the 'omicron wave' has 100 certainly understate the 'true' death toll: 10 peaked: although there are now models based on 'excess deaths' put the concerns about a new, possibly toll at between 14 and 23.6mn, with a 'most 0.1 even more transmissible, variant likely' figure of 19.9mn called BA.2 10 Dec 20 Jun 21 Dec 21 Jun 20 Jun 22 Jun 20 Dec 20 Jun 21 Dec 21 Jun 22 Jun 20 Dec 20 Jun 21 Dec 21 Dec 19 Dec 19 Jun 22



New infections are still rising across much of east Asia (except Japan and Taiwan) and in NZ, but falling almost everywhere else

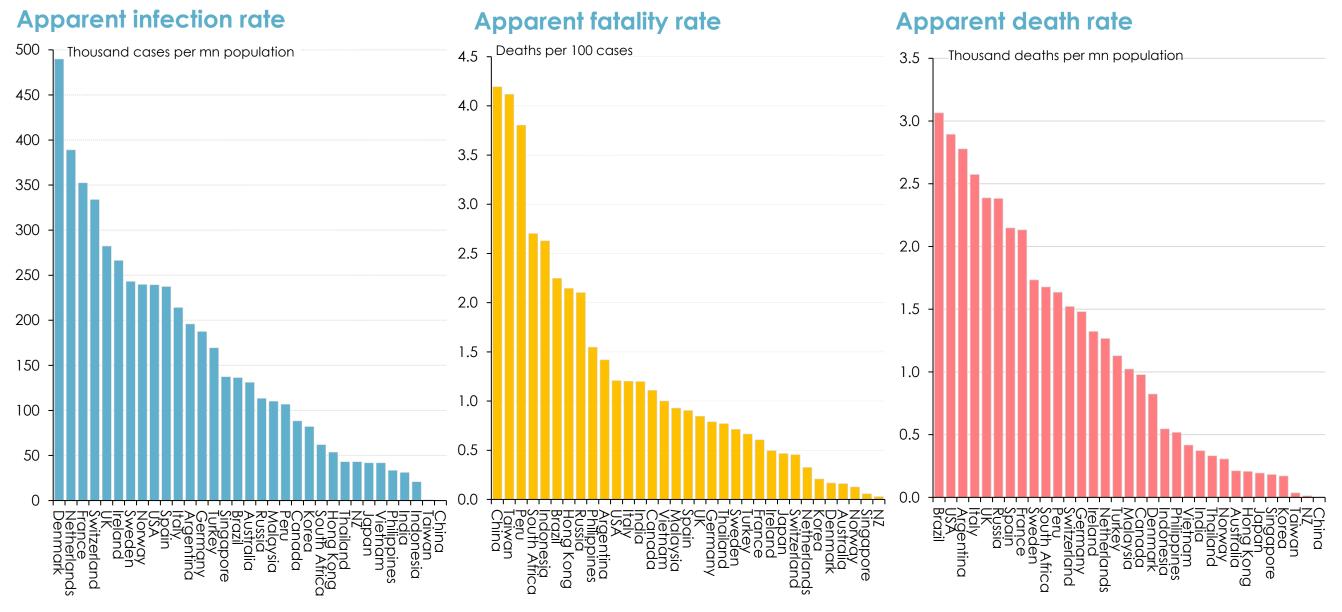
Daily new cases per million population – major countries and regions



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The highest cumulative infection and death rates (since the onset of the pandemic) have been in Europe, South and North America

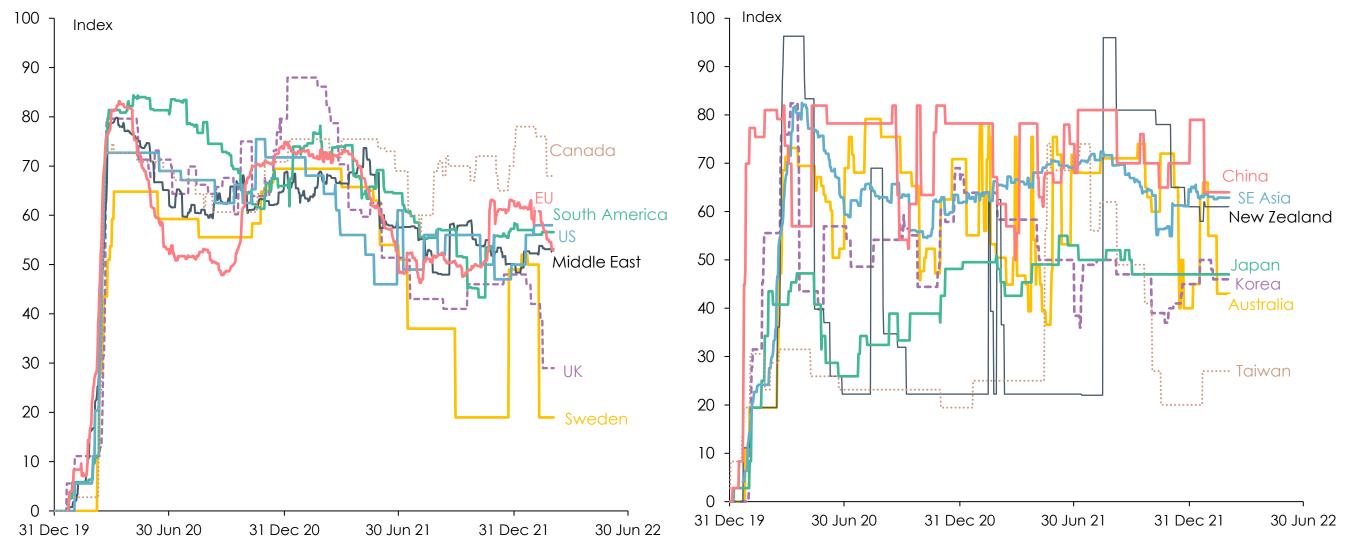
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Health restrictions have been eased in more European countries over the past two weeks but remain onerous in Canada, and across much of Asia

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Timing and severity of government restrictions on movement and gathering of people



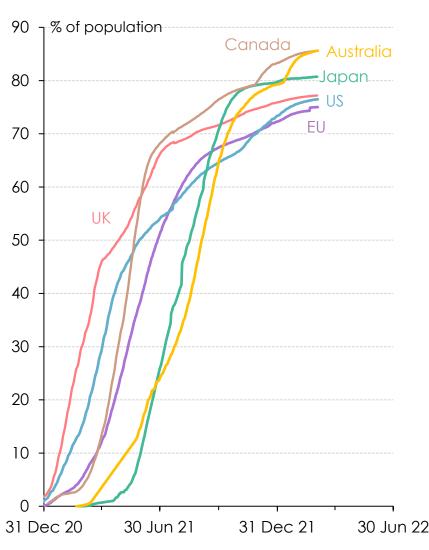
The Oxford COVID-19 Government Response Tracker collects publicly available information on 11 indicators of government response including school & workplace closures, public events cancellations, restrictions on public gatherings, stay at home requirements, public transport closures, domestic & international travel restrictions, public information campaigns, testing and contact tracing. *Source*: <u>Blavatnik School of Government</u>, <u>Oxford University</u>. Series for South-East Asia, the EU, South America and the Middle East are population-weighted averages for individual constituent countries. Data up to 4th March. <u>Return to "What's New"</u>.



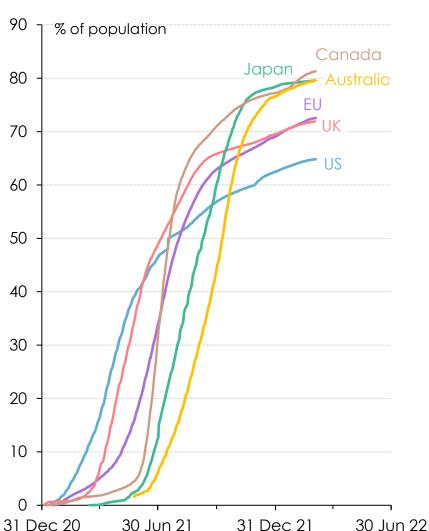
The US lags behind most other 'advanced' economies in fully vaccinating its population while the US & Japan are lagging with 'booster' shots

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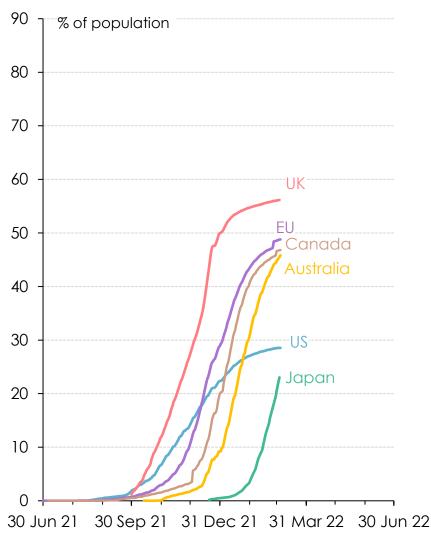
Percentage of populations who have had at least one shot



Percentage of populations who have had two shots



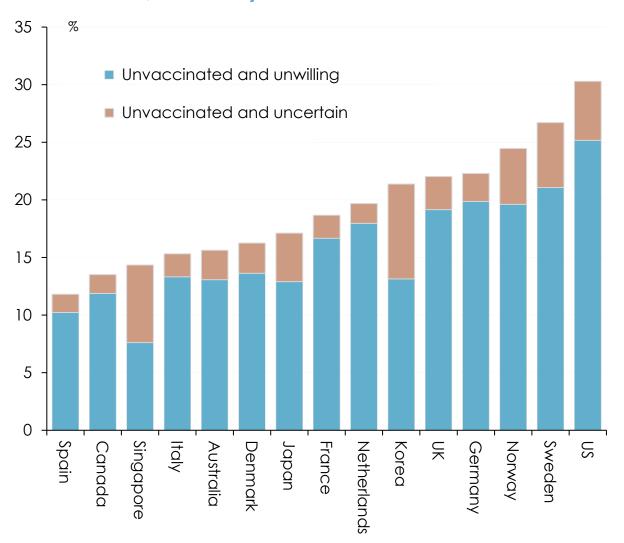
Percentage of populations who have had a 'booster' shot



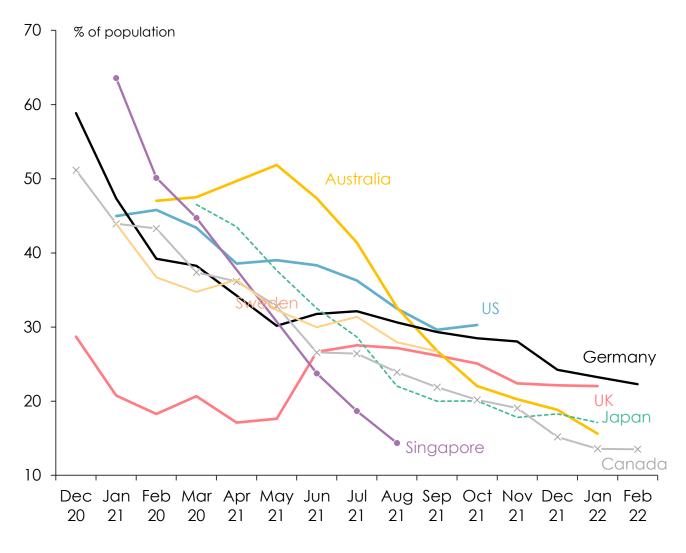
Vaccine hesitancy is now higher in the US and (surprisingly) in Germany than in other 'advanced' economies – and has fallen sharply in Australia

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Covid-19 vaccine hesitancy, selected 'advanced' economies, February 2022 or latest available



Percentage of populations unvaccinated and unwilling or uncertain about getting vaccinated

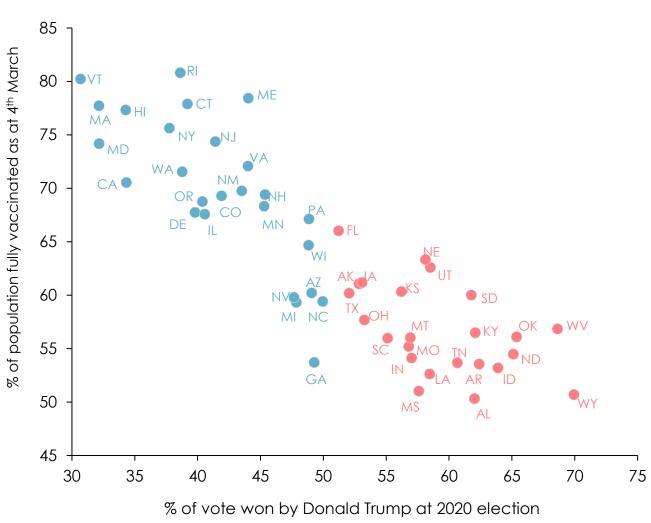




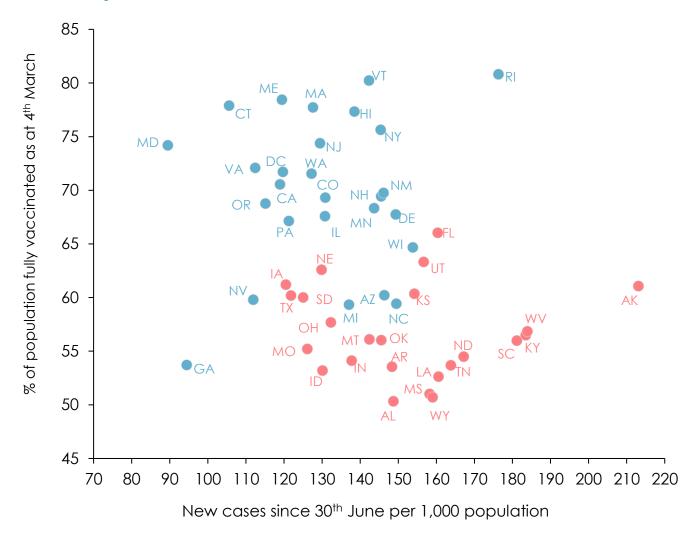
In the US there's a strong correlation between voting patterns and vaccine hesitancy, and (inversely) between vaccination rates and infection rates

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Vaccination rates vs Trump vote at 2020 elections, by state



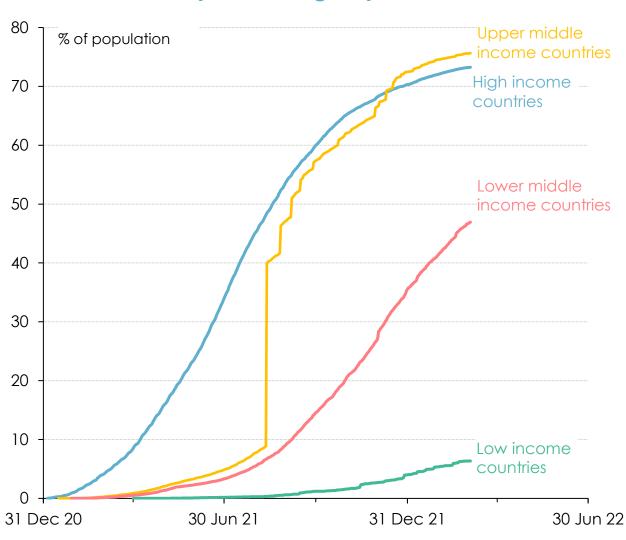
Vaccination rates vs infection rates since 30th June 2021, by state



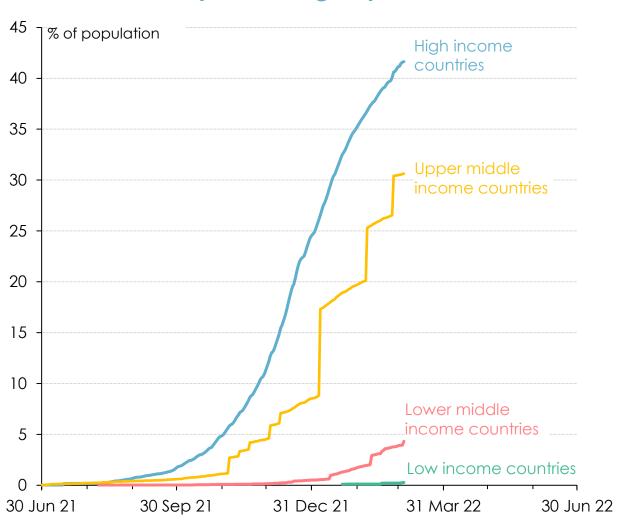
The vaccine roll-out has proceeded much more slowly among low- and lower-middle income countries

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Percentage of populations who have had two vaccinations, by income group



Percentage of populations who have had a 'booster' shot, by income group



Note: Income categories are as defined by the World Bank: high-income countries are (in 2021) those with a per capita gross national income (GNI) of over U\$\$12,535; upper-middle income countries are those with per capita GNI between U\$\$4046 and \$12,535; lower middle-income countries are those between \$1,036 and \$4,035; and low-income countries are those with per capita GNI of \$1,035 or less. Note that 'upper middle-income countries' includes China, the inclusion of data from which accounts for the large jumps in numbers for this category on 12th August 2021 and 6th January 2022. Source: Our World in Data, Coronavirus (COVID-19) Vaccinations. Return to "What's New".



Voter approval of governments' handling of Covid has improved in Asia but deteriorated in the US, the UK, and most of Europe (except Germany)

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Voter approval of their government's handling of the coronavirus pandemic



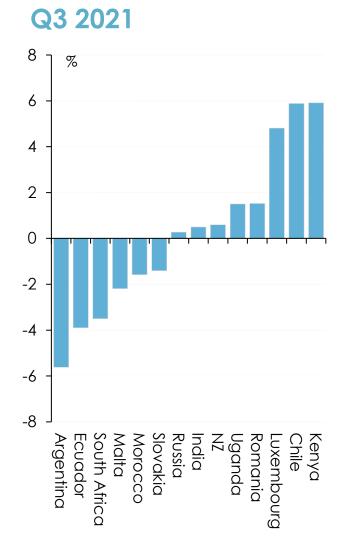


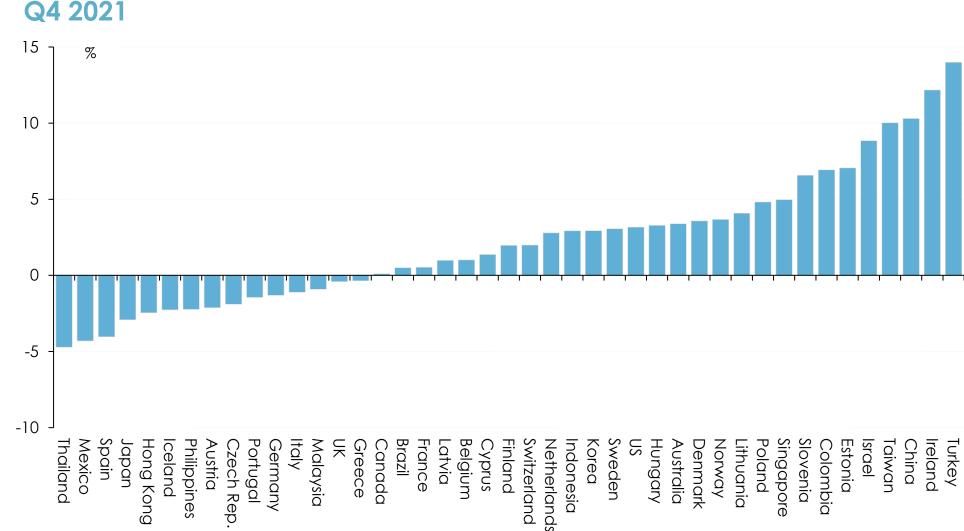
The world

36 countries (out of 57 for which seasonally-adjusted Q3 or Q4 GDP estimates are available) have now surpassed their pre-pandemic peaks

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Real GDP compared with pre-recession peak



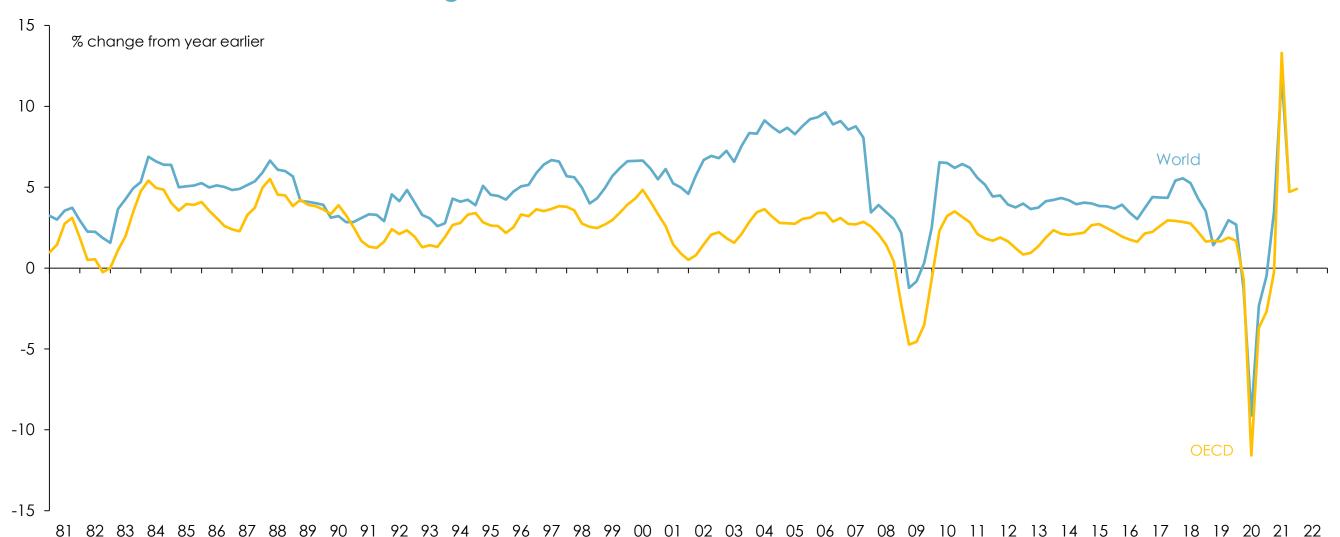




The world economy grew by about $4\frac{3}{4}$ % over the year to Q3 – down from $11\frac{1}{4}$ % over the year to Q2 which was flattered by comparison with Q2 2020

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World and OECD area real GDP growth



Note: Estimates of global GDP growth compiled by Corinna using data for 100 countries accounting for 94% of 2019 world GDP as measured by the IMF, weighted in accordance with each country's share of global GDP at purchasing power parities in 2019; excludes constituents of the former USSR before 1993, the former Czechoslovakia before 1995, and the former Yugoslavia before 1998. (e) Estimate for Q3 2021 is based on results for about 60 economies. Sources: national statistical agencies and central banks; Eurostat; OECD; IMF; Corinna. Return to "What's New".



The more 'advanced' Asian economies, Australia's & NZ's and the US's, have recovered more rapidly from 2020-21 recessions than Europe's

Levels of real GDP indexed to Q4 2019 = 100



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The IMF last month lowered its 2022 world growth forecast to 4.4% (from 4.9%) and raised its global inflation forecasts for 2022 and 2023

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Major global institutions' growth forecasts for 2021-2023 compared

	Actual		IMF		OECD			World Bank			Australian/NZ Treasury			
	2010-19^	2020	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
US	2.2	-3.5	5.6	4.0	2.6	5.6	3.7	2.4	5.6	3.8	2.3	5.5	4.3	2.3
China	7.7	2.3	8.1	4.8	5.2	8.1	5.1	5.1	8.0	5.1	5.3	8.0	5.0	5.3
Euro area	1.3	-6.6	5.2	3.9	2.5	5.2	4.3	2.5	4.2	3.7	2.6	5.0	4.3	2.0
India	7.0	-8.0	9.0	9.0	7.1	9.4	8.1	5.5	8.3	8.7	6.8	8.5	8.5	6.5
Japan	1.2	-4.8	1.6	3.3	1.8	1.8	3.4	1.1	1.7	2.9	1.2	2.0	3.3	1.0
UK	1.8	-9.9	7.2	4.7	2.3	6.9	4.7	2.1	na	na	na	na	na	na
Australia	2.6	-2.4	4.2	4.1	2.5	3.8	4.1	3.0	na	na	na	3.8*	3.5*	2.3*
New Zealand	2.9	-3.0	5.1	3.3	1.7	4.7	3.9	2.6	na	na	na	0.8†	4.9†	2.2†
World	3.7	-3.3	5.9	4.4	3.8	5.6	4.5	3.2	5.5	4.1	3.2	5.8	4.5	3.5
World trade	3.7	-8.5	9.3	6.0	4.9	9.3	4.9	4.5	9.5	5.8	4.7	na	na	na
World inflation	3.5	3.2	4.4	4.9	3.4	3.5	4.2	3.0	na	na	na	na	na	na

Note: All actuals and forecasts are \$ per annum. ^ Annual average. * Forecasts for fiscal years beginning 1st July (and finishing 30th June following year) the Forecasts by New Zealand Treasury for fiscal years beginning 1st July. Sources: International Monetary Fund (IMF), World Economic Outlook Update, 25th January 2022; The World Bank, Global Economic Prospects, 11th January 2022; Organization for Economic Co-operation & Development (OECD), Economic Outlook, 1st December 2021; Australian Treasury, 2021-22 Mid-Year Economic and Fiscal Outlook, 16th December 2021; New Zealand Treasury, Half Year Economic and Fiscal Update 2021, 15th December 2021. Return to "What's New".



The downgrades to the IMF's growth forecasts stem largely from downward revisions to the outlooks for the US and China

THE WORLD ECONOMY THIS WEEK - 7TH MARCH 2022

IMF real GDP growth forecasts

	Ja foreca	nuary ist (%)	Revision from October (pc pts)			
	2022	2023	2022	2023		
Advanced economies						
US	4.0	2.6	-1.2	+0.4		
Euro zone	3.9	2.5	-0.4	+0.5		
Japan	3.3	1.8	+0.1	+0.4		
UK	4.7	2.3	-0.3	+0.4		
Canada	4.1	2.8	-0.8	+0.2		
Australia	4.1	2.5	0.0	-0.1		
Emerging economies						
China	4.8	5.2	-0.8	-0.1		
India	9.0	7.1	+0.5	+0.5		
Brazil	0.3	1.6	-1.2	-0.4		
Russia	2.8	2.1	-0.1	+0.1		
South Africa	1.9	1.4	-0.3	0.0		
World	4.4	3.8	-0.5	+0.2		

- ☐ The IMF's latest World Economic Update, published in the last week of January, lowered its forecast for global GDP growth in 2022 by 0.5 pc pt to 4.4%, with a 'mechanical' 0.2 pc pt upgrade to the 2023 forecast
 - the IMF sees the risks to global growth as still "tilted to the downside", in particular the "emergence of new Covid-19 variants" that could "prolong the pandemic and induce renewed economic disruptions", and "risks to financial stability and emerging & developing economies" as interest rates rise in 'advanced' economies
- ☐ The biggest single contributor to the downward revision to global growth in 2023 is a 1.2 pc pt downward revision to the forecast for the US
 - which results from removing the Biden Administration's "Build Back Better" fiscal package from the 'baseline', an earlier start to increases in US interest rates, and "continued supply chain disruptions"
 - supply constraints and Covid disruptions were also the major reason for downward revisions to the forecasts for the euro area and the UK
- ☐ The IMF's forecast for China's growth in 2022 was also cut by 0.8 pc pt
 - reflecting "disruptions related to the zero-tolerance Covid-19 policy" and
 "protracted financial stress among property developers", with additional "negative implications for [China's] trading partners' prospects"
- ☐ The IMF also revised up its forecasts for inflation in 'advanced' economies in 2022 by 1.6 pc pt, to 3.9%, and in 'emerging & developing' economies by 1.0 pc pt, to 5.9%
 - it calculates that supply disruptions added 1 pc pt to global inflation in 2021 (as well as shaving 0.5-1 pc pt off global growth)
 - but expects that higher inflation will "fade away" as supply disruptions ease, monetary policy tightens, and demand "rebalances away" from goods-intensive consumption towards services"

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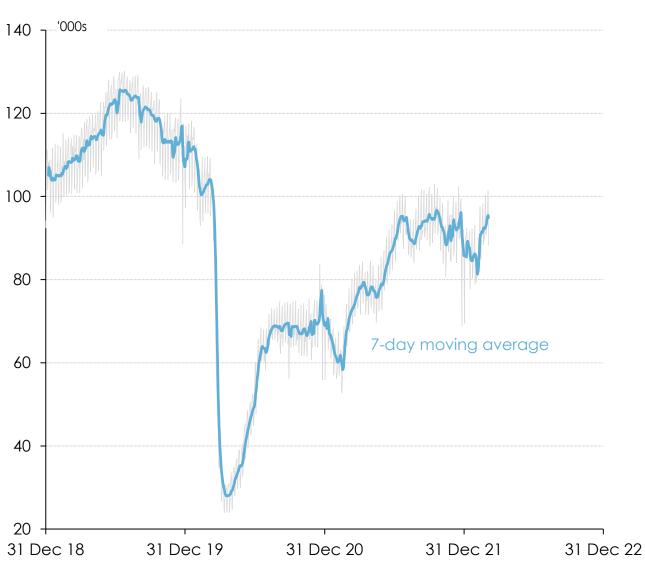
 CORINNA ECONOMIC ADVISORY

INDEPENDENT ECONOMICS

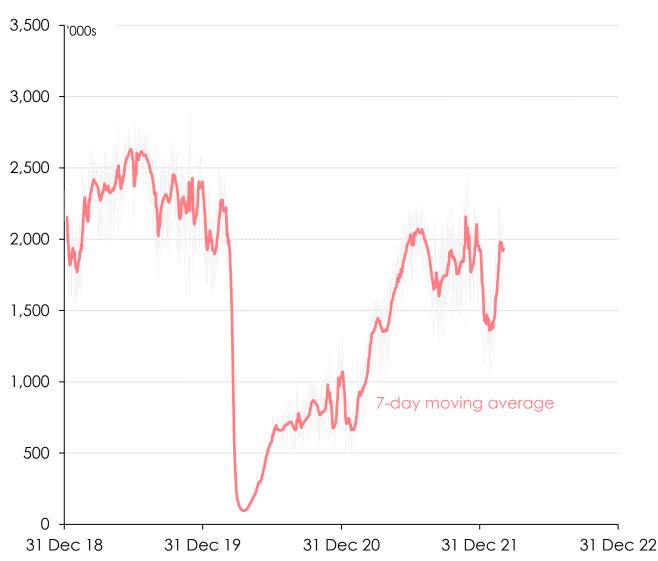
Aviation traffic appears to have picked up over the past three weeks as the 'omicron wave' has started to recede

THE WORLD ECONOMY THIS WEEK - 7TH MARCH 2022

Daily commercial flights worldwide



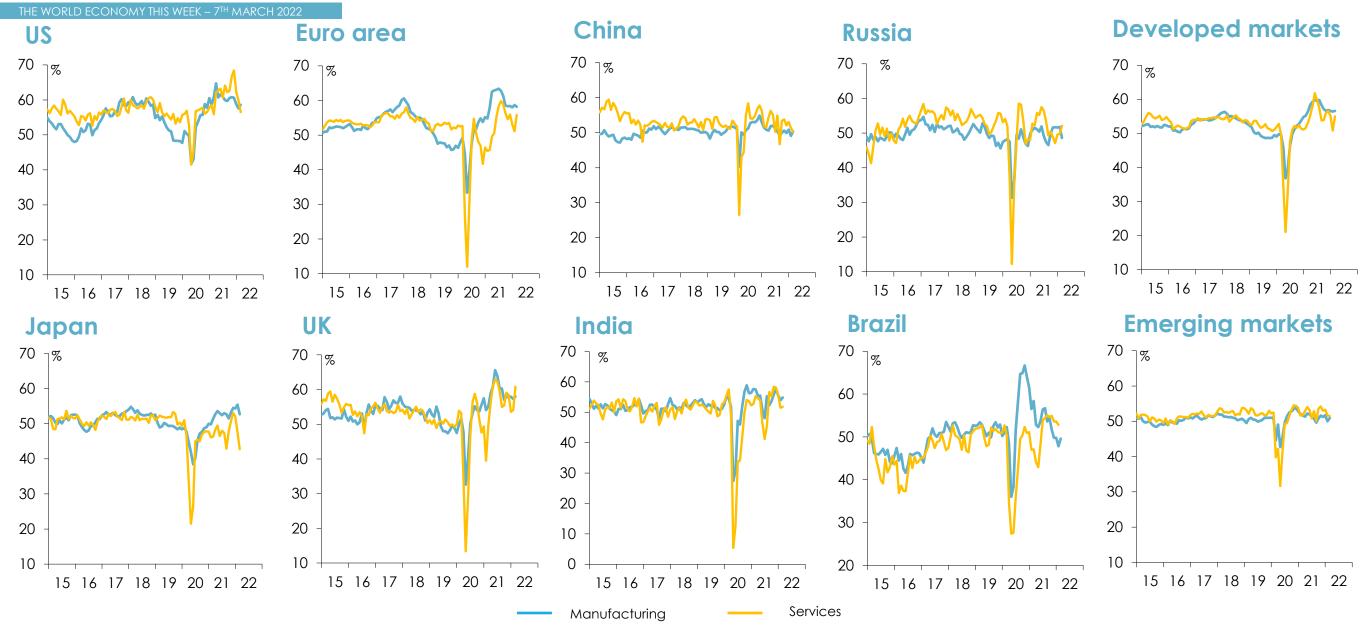
Daily US TSA 'security' checks



Note: Commercial flights include commercial passenger flights, cargo flights, and some business jet flights. Data are up to 4th March for commercial flights and 3rd March for TSA checks. Thicker coloured lines are 7-day centred moving averages of daily data plotted in thin grey lines. Sources: Flightradar24.com; US Transport Safety Administration (at last, something useful – other than job creation - produced by aviation 'security'!!!). Return to "What's New".



February PMIs show continued strength in manufacturing in most major economies but a softening in services in the US and Japan

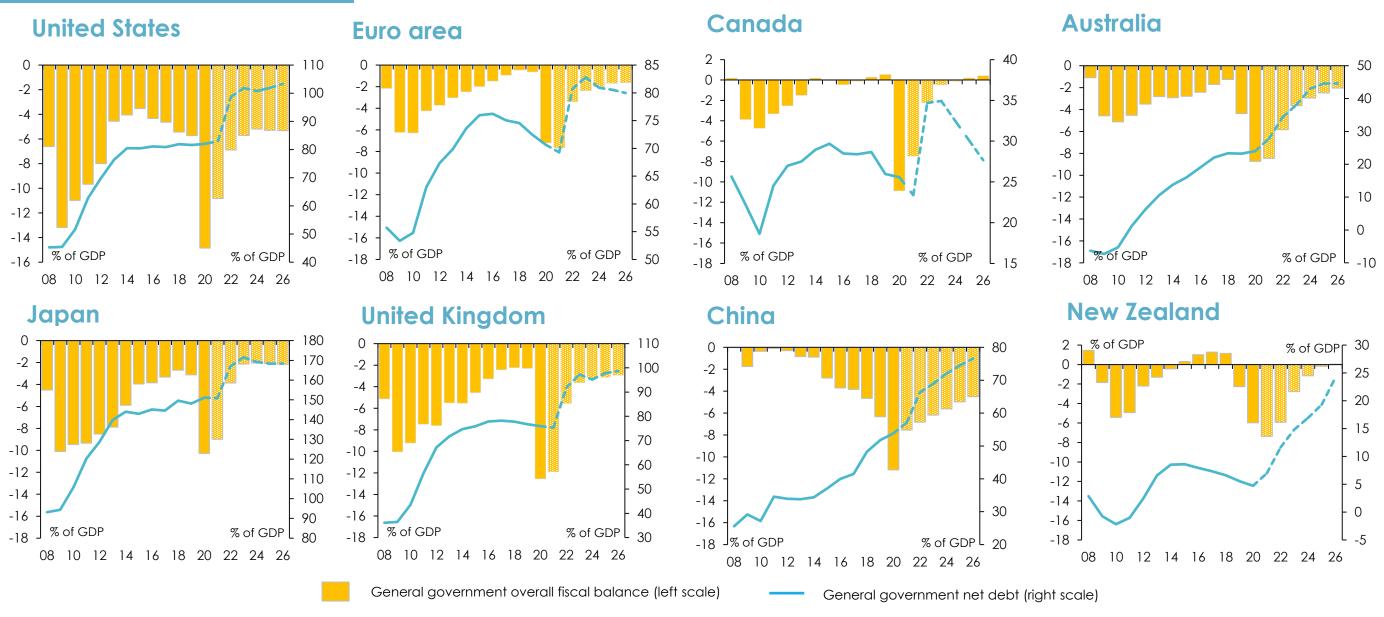


Note: Purchasing Managers' Indexes (PMIs) are derived from surveys of senior executives, who are asked to report whether various dimensions of business activity recorded an increase, decrease or no change compared with the previous month. Latest data for February, except for Brazil services. A reading of 50 indicates an overall increase cf. the previous month, and a reading of less than 50 indicates a decrease. See also PMIs for other Asia-Pacific economies on slide 101. Sources: <u>US Institute for Supply Management</u>; IHS Markit; JP Morgan; Caixin; Refinitiv Datastream. <u>Return to "What's New"</u>.



Fiscal policy in almost all major economies is set to tighten significantly in 2022

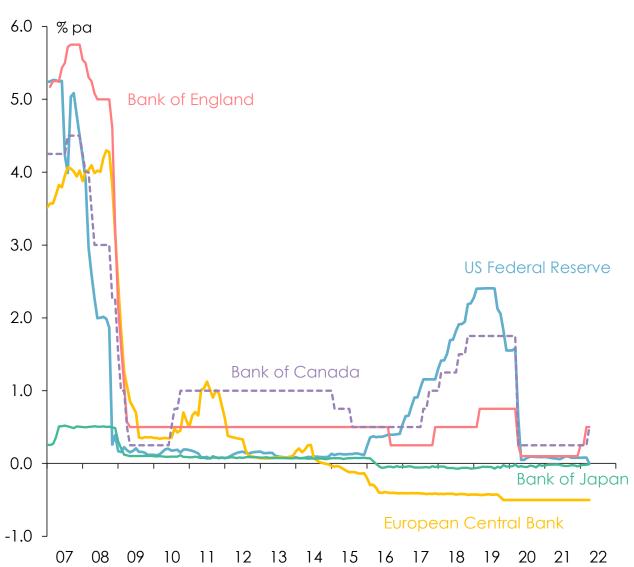
THE WORLD ECONOMY THIS WEEK - 7TH MARCH 2022



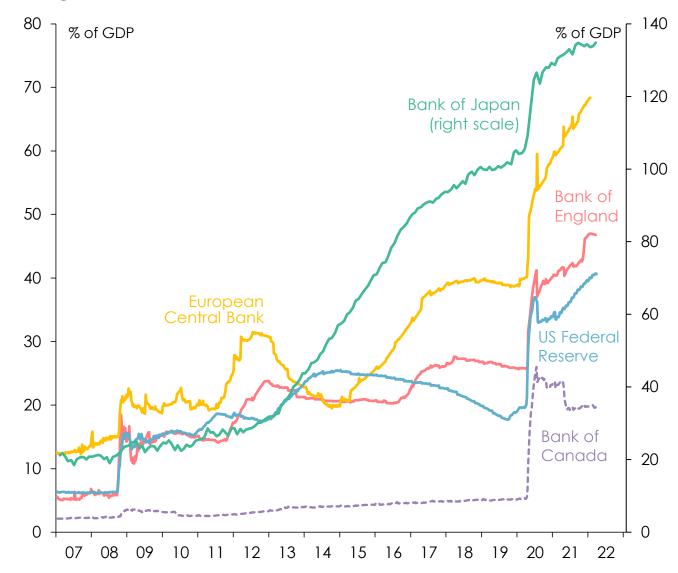
The Bank of England raised its policy rate a second time last month – and the Bank of Canada raised its policy rate last week

THE WORLD ECONOMY THIS WEEK - 7TH MARCH 2022

Major central bank policy interest rates



Major central bank balance sheets

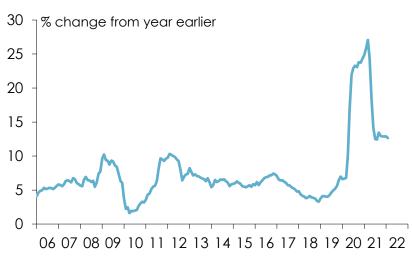




Money supply growth has slowed sharply from the peaks recorded in the first half of 2021 as large monthly increases in 2020 'wash out'

THE WORLD ECONOMY THIS WEEK - 7TH MARCH 2022

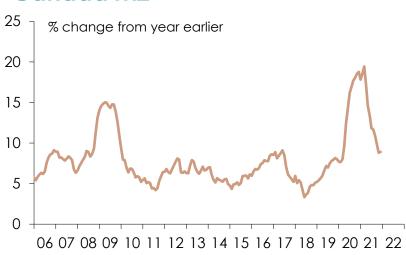
US M2



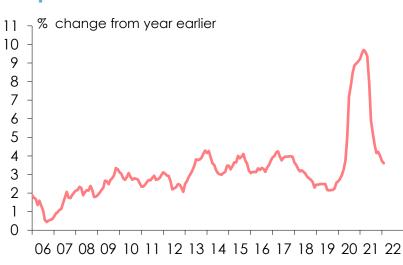
Euro area M2



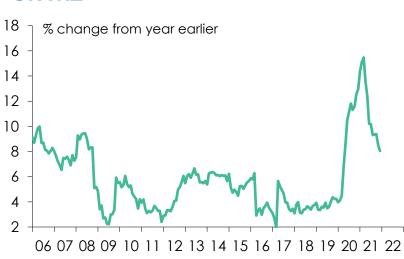
Canada M2



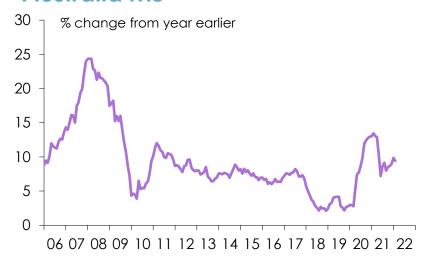
Japan M2 + CDs



UK M2



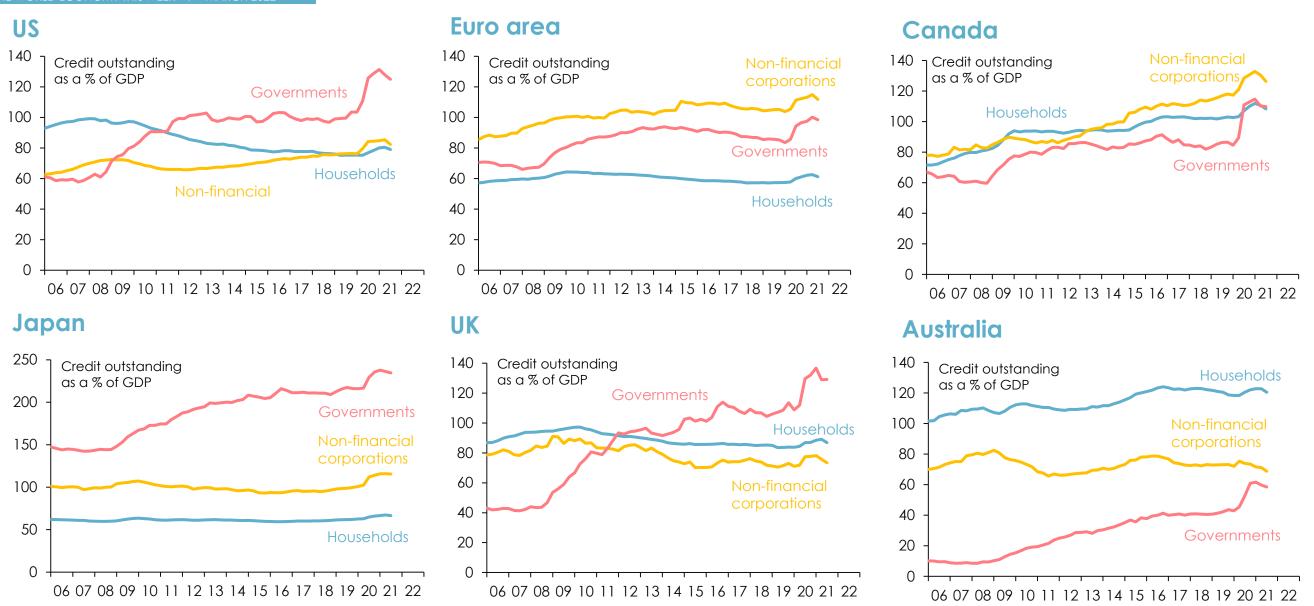
Australia M3





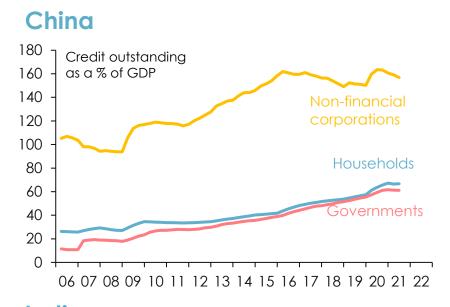
Japanese, US and UK governments, Canadian corporations and Australian households appear most exposed to increases in interest rates

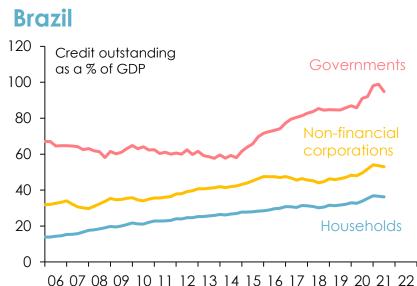
THE WORLD ECONOMY THIS WEEK - 7TH MARCH 2022

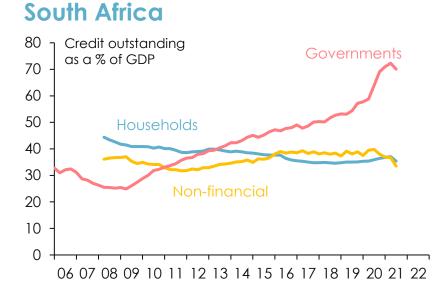


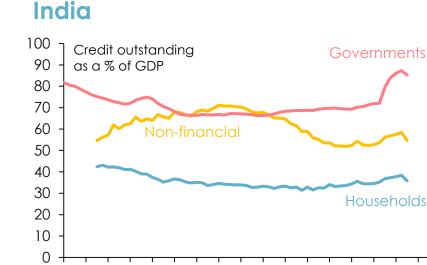
In major 'developing' economies it's usually governments that are most exposed to rising interest rates – except for China, Russia and Turkey

THE WORLD ECONOMY THIS WEEK - 7TH MARCH 2022

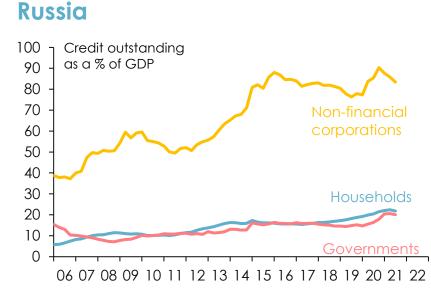


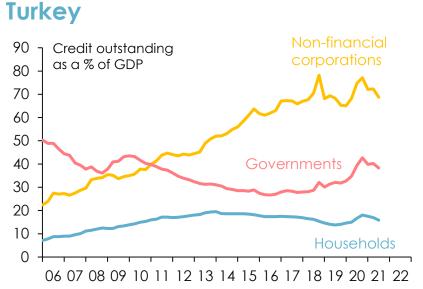






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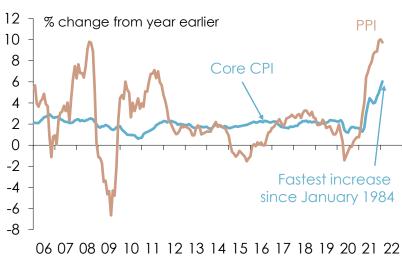




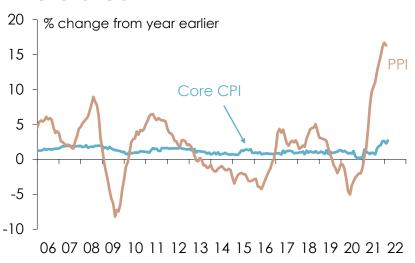
Producer prices are surging in all major economies: but only in the US and the UK is this feeding into markedly higher core CPI inflation

THE WORLD ECONOMY THIS WEEK - 7TH MARCH 2022

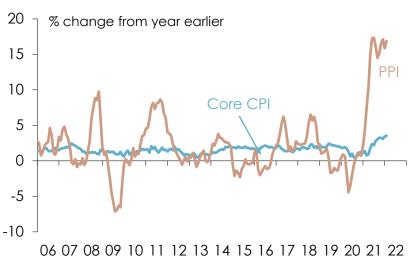
United States



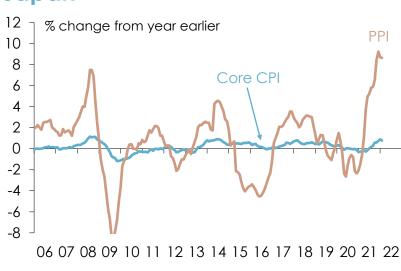
Euro area



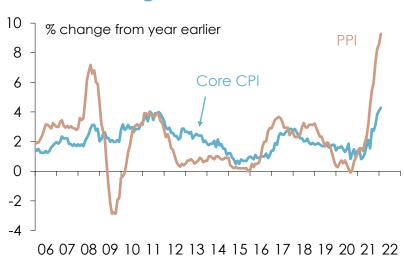
Canada



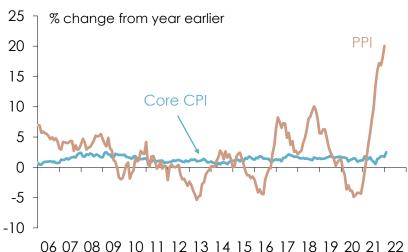
Japan



United Kingdom



Sweden





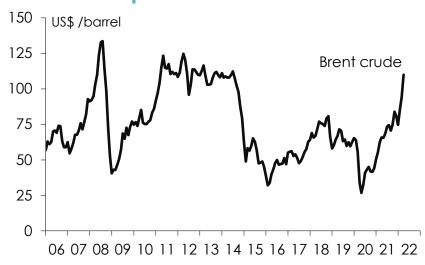
After seeming to have peaked in October, commodity prices have started rising again, especially for oil and gas in the wake of the Ukraine conflict

THE WORLD ECONOMY THIS WEEK – 7TH MARCH 2022

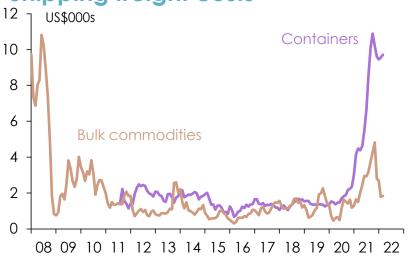
'Hard' commodity prices



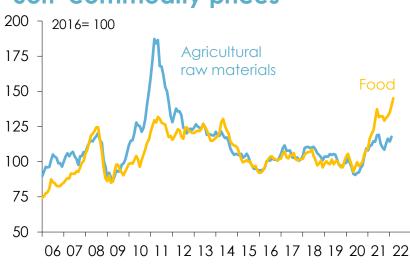
Crude oil price



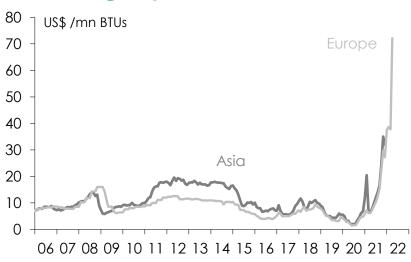
Shipping freight costs



'Soft' commodity prices



Natural gas prices



Semiconductor chip prices



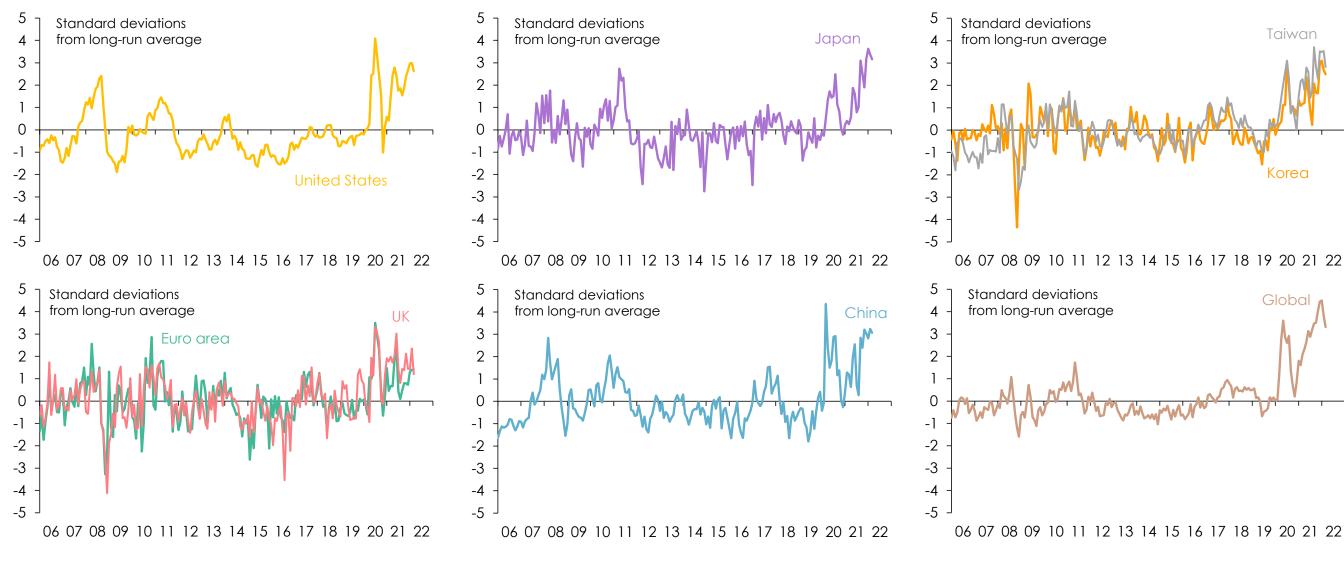
Note: The IMF commodity price indices were re-based to 2016 = 100 (previously 2005) in October 2021. The European natural gas price is the Netherlands TTF forward day ahead price, up to November; estimates since then are derived by adjusting the November value for subsequent movements in the Rotterdam natural gas price (for which daily data are available. The Asian natural gas price is that of Indonesian LNG in Japan. Sources: International Monetary Fund; Freightos; Drewry; The Baltic Exchange; Refinitiv Datastream.



Supply chain pressures have eased a little since December but remain at historically high levels

THE WORLD ECONOMY THIS WEEK - 7TH MARCH 2022

NY Fed global supply chain pressure index



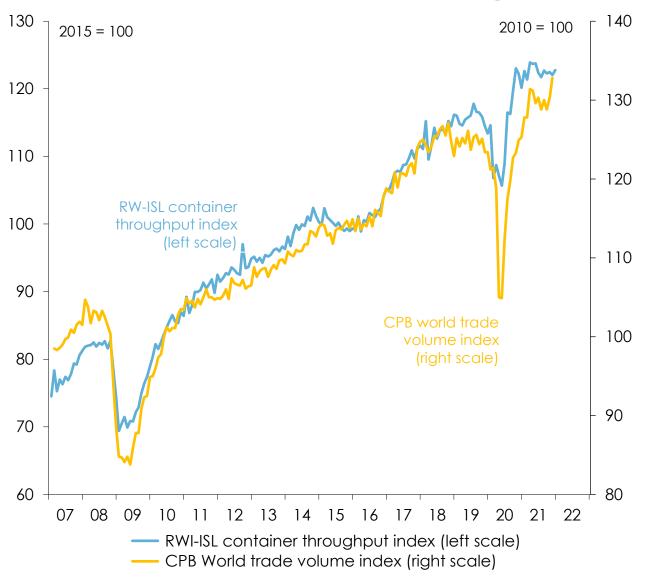




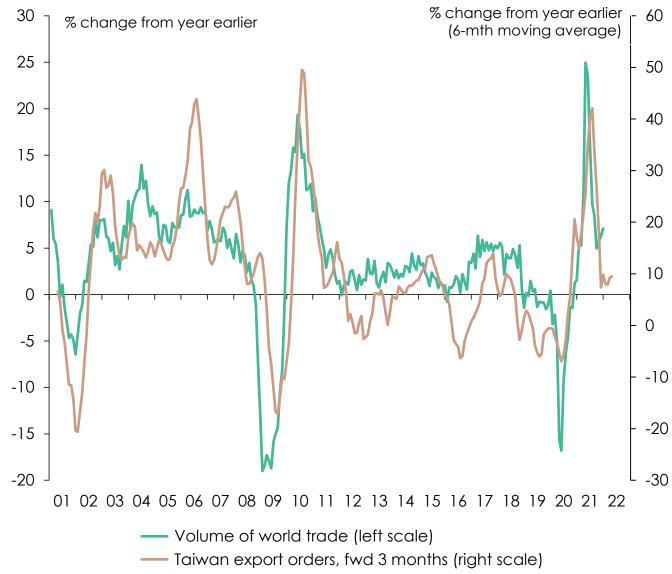
World trade volumes rose strongly over the last three months of last year, led by US & euro area imports and US, Japan, and ex-China Asia exports

THE WORLD ECONOMY THIS WEEK – 7TH MARCH 2022

World trade volumes and container throughput



Taiwan export orders and world trade volumes



Note: The shipping container throughput index is based on reports from 91 ports around the world handling over 60% of global container shipping.

Sources: CPB Netherlands Economic Planning Bureau, World Trade Monitor, December 2021 (January data to be released on 25th March); Institute of Shipping Economics & Logistics (ISL) and RWI Leibniz-Institut für Wirtschaftsforschung (RWI) Container Throughput Index; Taiwan Ministry of Economic Affairs. Return to "What's New".



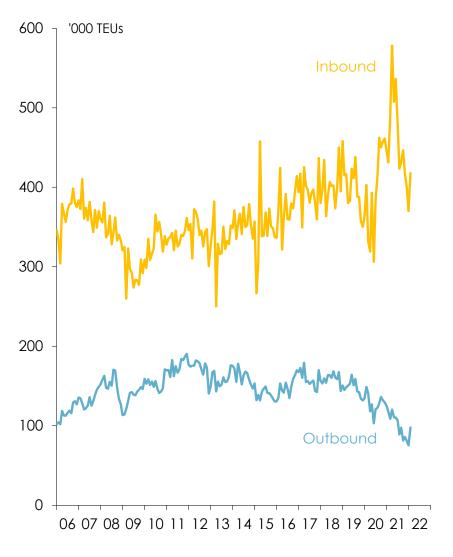
Imbalances in trade between the US and 'emerging' Asia (including China) are the major factor in the mal-distribution of containers around the world

THE WORLD ECONOMY THIS WEEK - 7TH MARCH 2022 **United States** Other 'advanced' Asia Other 'emerging' Asia Euro area 7 2010 = 100 2010 = 1002010 = 100 2010 = 100 **Imports** 175 175 175 175 **Imports Exports** 150 150 150 150 **Exports** 125 125 125 **Exports Imports** 100 100 100 12 13 14 15 16 17 18 19 20 21 22 12 13 14 15 16 17 18 19 20 21 22 12 13 14 15 16 17 18 19 20 21 22 12 13 14 15 16 17 18 19 20 21 22 **Latin America** Japan **United Kingdom** China 2010 = 100 200 2010 = 100 2010 = 100 2010 = 100 **Exports** 175 175 175 175 Exports 150 150 150 150 125 125 125 125 100 100 100 **Exports** 12 13 14 15 16 17 18 19 20 21 22 12 13 14 15 16 17 18 19 20 21 22 12 13 14 15 16 17 18 19 20 21 22 12 13 14 15 16 17 18 19 20 21 22

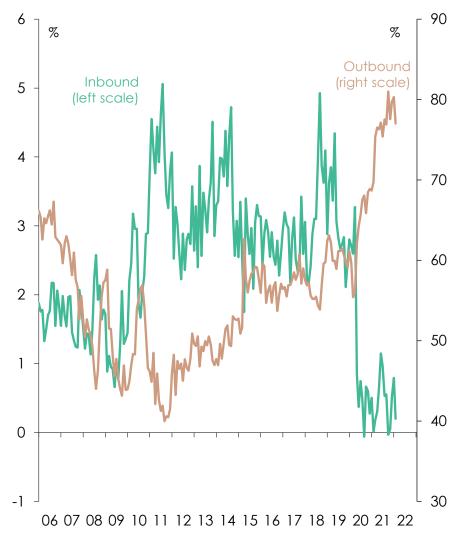
Congestion at the Port of Los Angeles (the US' largest container port) has eased significantly but trade flows remain unusually unbalanced

THE WORLD ECONOMY THIS WEEK – 7TH MARCH 2022

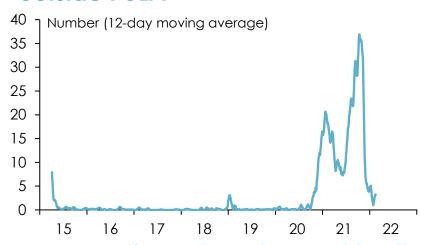
Container traffic through the Port of Los Angeles



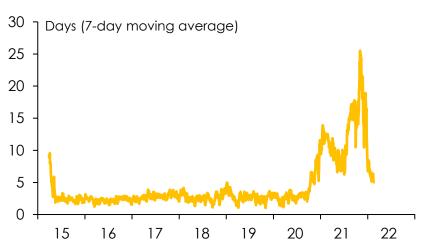
Empty containers as a pc of total passing through PoLA



Number of vessels at anchor outside PoLA



Average time at anchor and berth for ships at PoLA

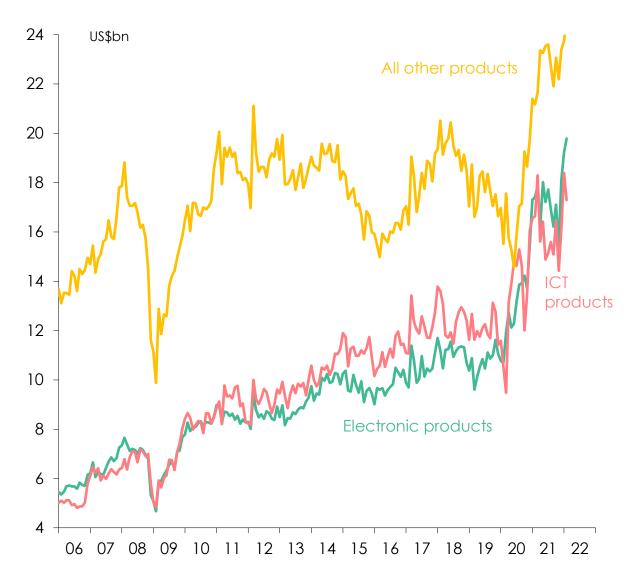




Export orders for Taiwanese ICT products fell 6% in January, after doubledigit gains in November and December last year

THE WORLD ECONOMY THIS WEEK – 7TH MARCH 2022

Taiwan export orders, by product



Note: Data have been seasonally adjusted by Corinna using Refinitiv Datastream. Latest data are for January. Source: Taiwan Ministry of Economic Affairs. Return to "What's New".

- ☐ Taiwan accounts for 63% of the US\$85bn global semi-conductor chip market (followed by Korea 18% and China 6%)
 - one Taiwanese company, Taiwan Semiconductor Manufacturing Co (TSMC) has 54% of the world market, and United Microelectronics Co (UMC) a further 7% (Samsung accounts for Korea's 18%)
- Semiconductor fabrication plants ("fabs") use very large amounts of water to rinse chips during their manufacture a typical fab uses 7½-15 million litres of water daily (and water in Taiwan is very cheap, at less than US40¢/t)
- ☐ Taiwan had been experiencing its <u>worst drought in 56 years</u>, resulting in rationing of water supplies including to semiconductor manufacturers
 - although recent heavy rainfalls appear to have broken the drought
- World-wide semi-conductor production has also been crimped by plant shutdowns in Vietnam, Malaysia and the Philippines due to covid-19 outbreaks, and by damage caused by a fire at a Japanese fab earlier this year and a storm at a Texas plant
- □ Shortages of semi-conductor chips have caused major headaches for the motor vehicle industry (which uses lots of them)
- Foreign orders for Taiwanese ICT products fell 6.0% in January, after double-digit gains in November and December last year, to be 5.5% below their peak in February last year
 - orders for other electronic products were up 2.9% in January, to a new record high

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CORINNA ECONOMIC ADVISORY INDEPENDENT ECONOMICS

'Core' CPI inflation has picked up a little bit in the more 'advanced' East Asian economies but remains dormant in China and South-East Asia

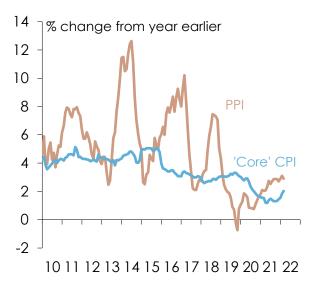
THE WORLD ECONOMY THIS WEEK – 7TH MARCH 2022



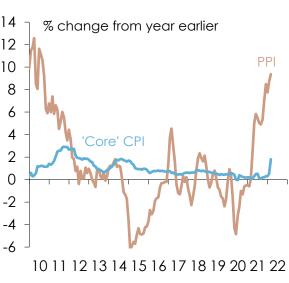
Taiwan



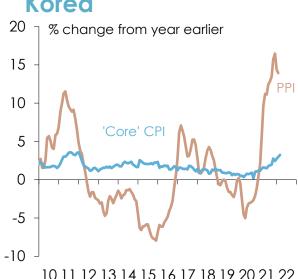
Indonesia



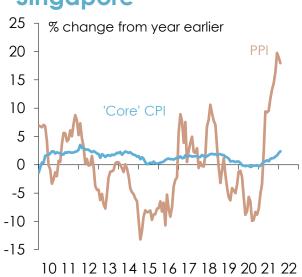
Thailand



Korea



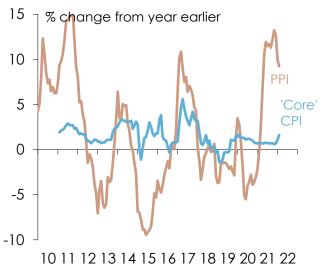
Singapore



Philippines



Malaysia



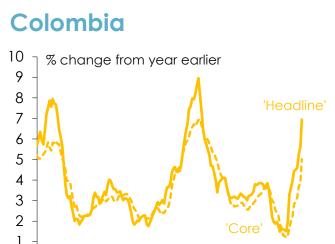




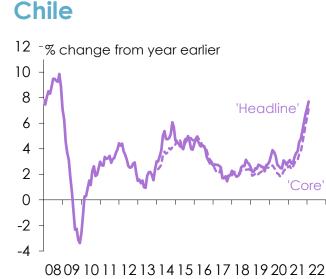
Consumer price inflation is rising sharply across Latin America (except for Venezuela, where it's now down to just 455%!)

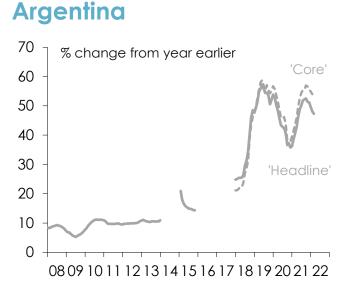
THE WORLD ECONOMY THIS WEEK - 7TH MARCH 2022

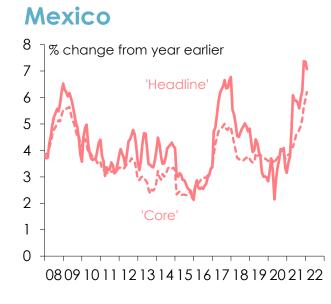


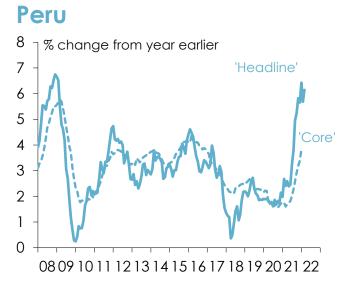


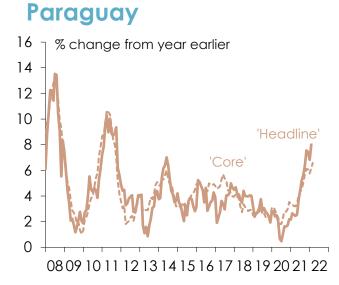
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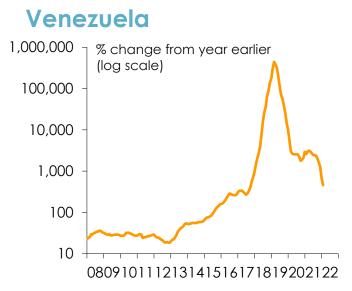












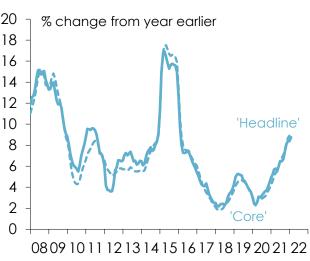
Sources: Instituto Brasileiro de Geografia e Estatística; Instituto Nacional de Estadística y Geografía (Mexico); Departamento Administrativo Nacional de Estadística (Colombia); Instituto Nacional de Estadística (Peru); Instituto Nacional de Estadística (Peru); Instituto Nacional de Estadística (Venezuela). Return to "What's New".



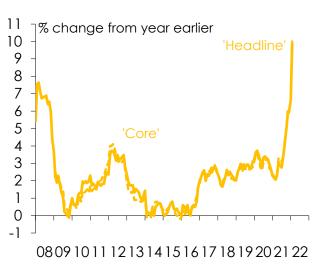
Consumer price inflation is also rising across Central and Eastern Europe, and in South Africa

THE WORLD ECONOMY THIS WEEK - 7TH MARCH 2022

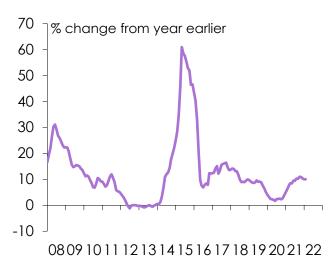
Russia



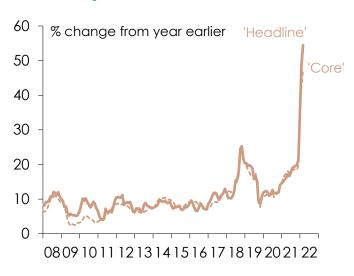
Czech Republic



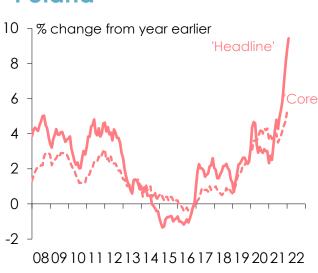
Ukraine



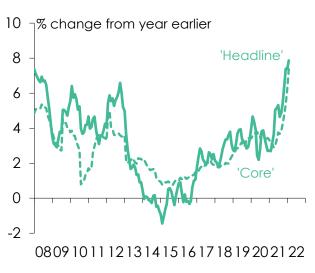
Turkey



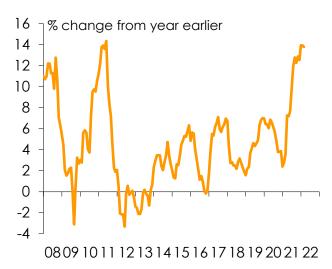
Poland



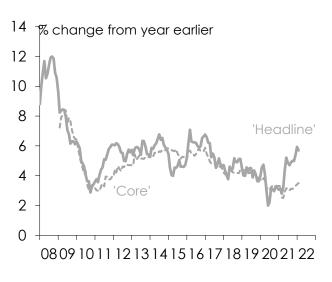
Hungary



Georgia



South Africa



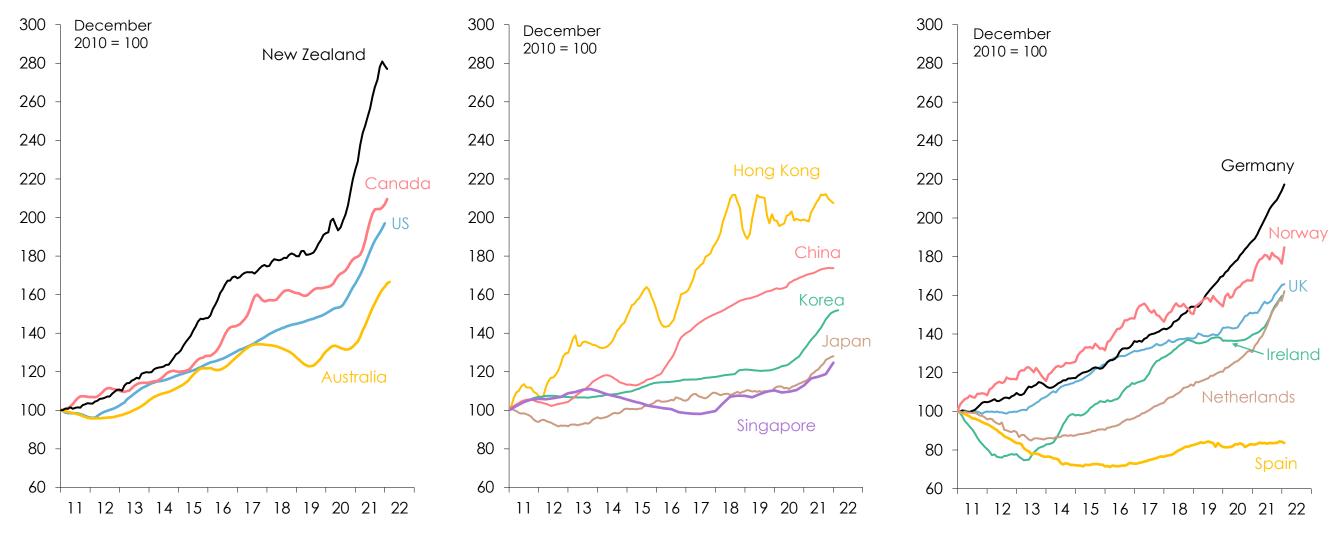




Record-low interest rates over the past 2 years have fuelled rapid growth in house prices, but New Zealand appears to have 'topped out'

THE WORLD ECONOMY THIS WEEK – 7TH MARCH 2022

House price indices

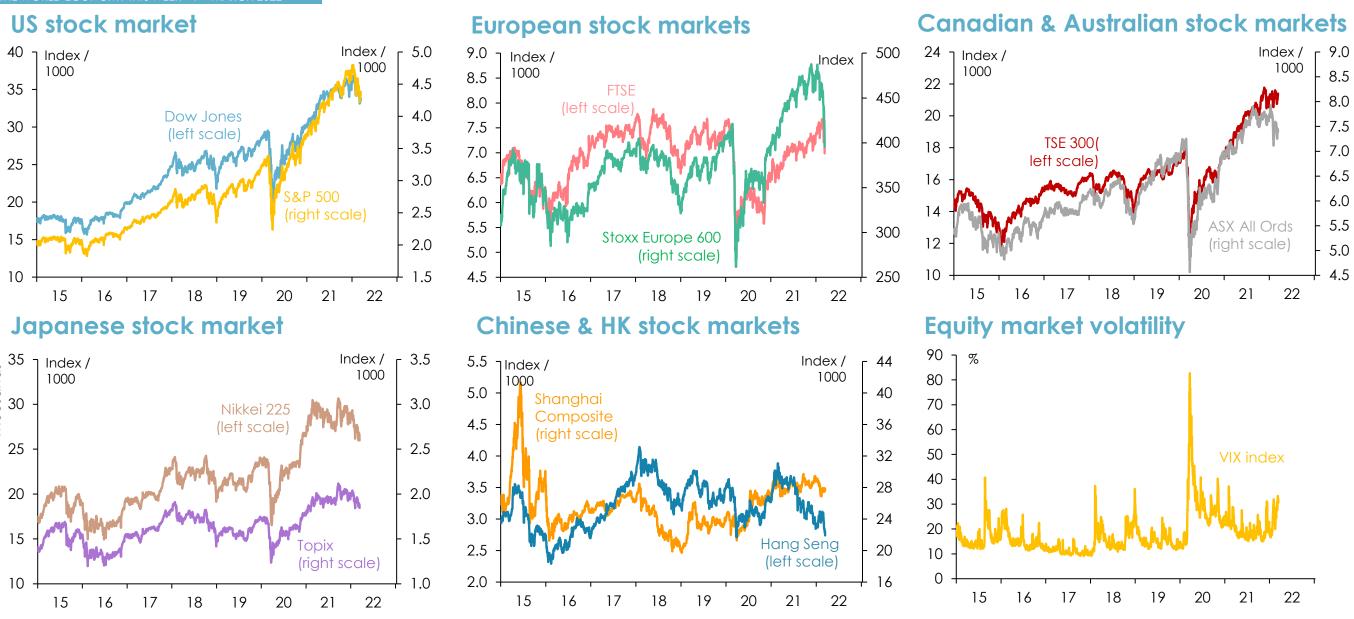


Note: House price indices shown in these charts are those published by <u>S&P-CoreLogic Case Shiller national</u> (United States); <u>Teranet-National Bank</u> (Canada); <u>CoreLogic</u> (Australia); <u>Real Estate Institute of New Zealand</u>; <u>China Index Academy</u>; <u>Japan Real Estate Institute</u> (Tokyo condominiums); <u>Kookmin Bank house price index</u> (Korea); <u>Centaline Centa-City Index</u> (Hong Kong); <u>Urban Redevelopment Authority</u> (Singapore); <u>Europace hauspreisindex</u> (Germany); <u>Halifax house price index</u> (UK); <u>Central Statistics Office RPPI</u> (Ireland); <u>Fotocasa real estate index</u> (Spain); <u>Statistics Netherlands</u>; <u>Eiendom Norge</u> (Norway). These indices have been chosen for their timeliness and widespread recognition: they do not necessarily all measure the same thing in the same way. For more comprehensive residential property price data see the quarterly database maintained by the Bank for International Settlements. Return to "What's New".

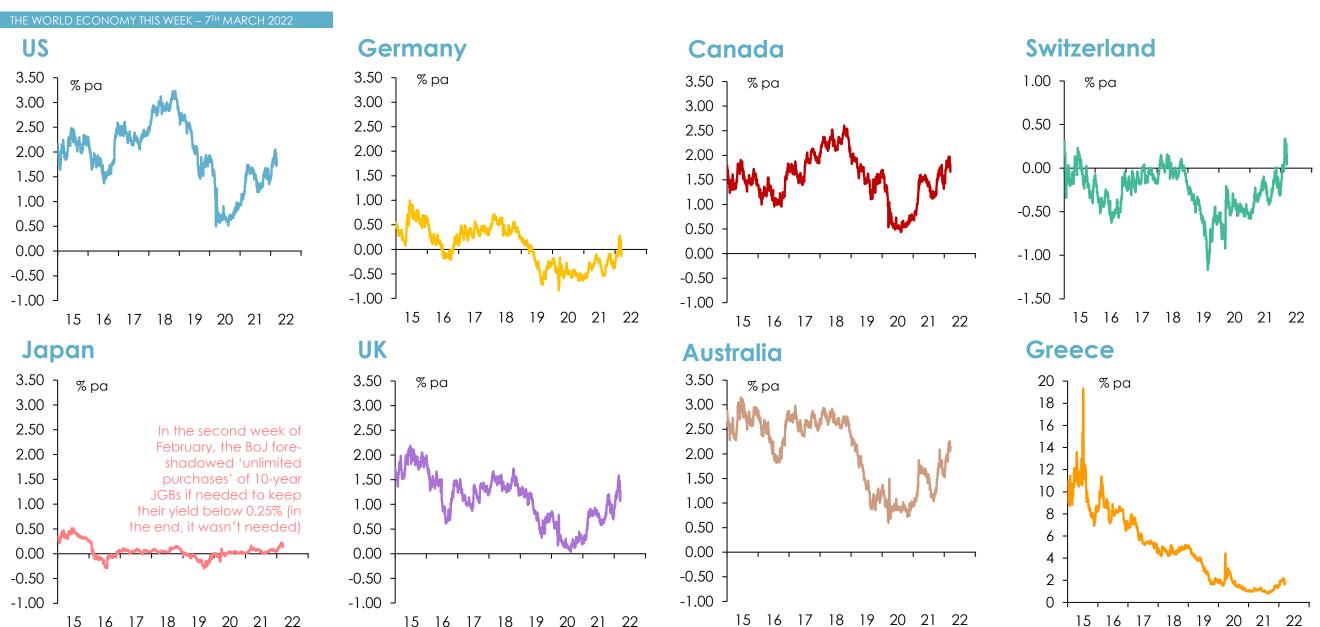


Stocks fell last week, especially in Europe, on Ukraine war concerns – although commodity-heavy markets such as Canada and Australia rose

THE WORLD ECONOMY THIS WEEK – 7TH MARCH 2022



Ten-year government bond yields fell last week, especially in Europe, on expectations that central banks would be less aggressive in raising rates





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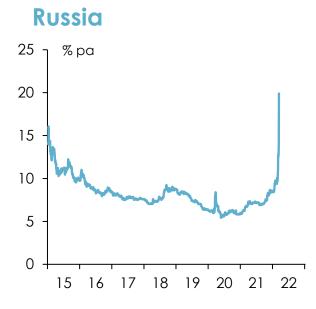
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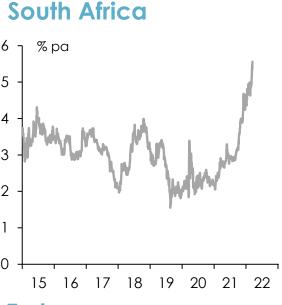
By contrast bond yields in most emerging markets rose further – most dramatically in Russia following the imposition of harsh sanctions

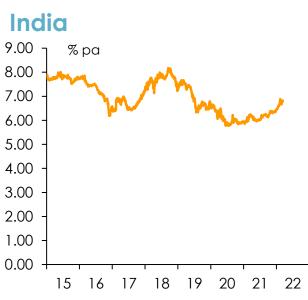
THE WORLD ECONOMY THIS WEEK – 7TH MARCH 2022

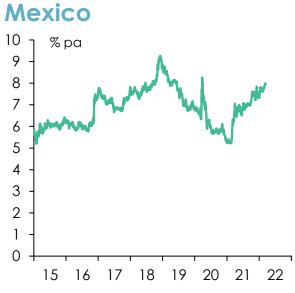












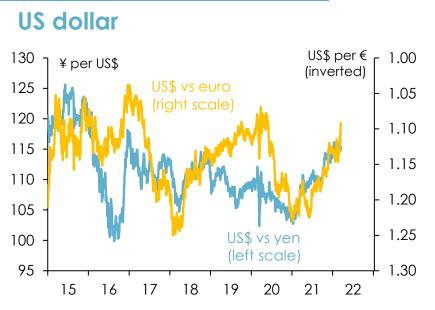




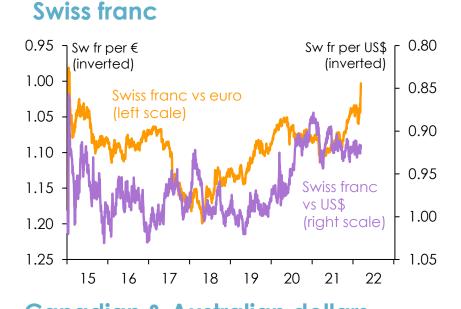


The US\$ and to a lesser extent the yen, Swiss franc and A\$ rose last week while sterling and especially the euro were casualties of war concerns

THE WORLD ECONOMY THIS WEEK – 7TH MARCH 2022

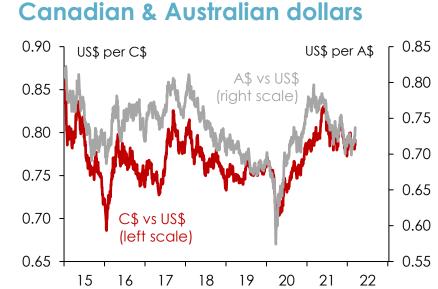










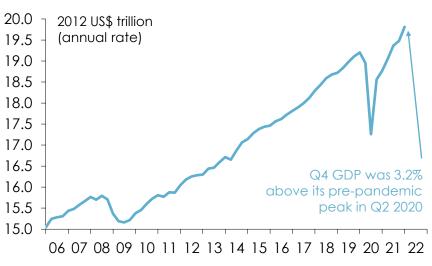


The United States

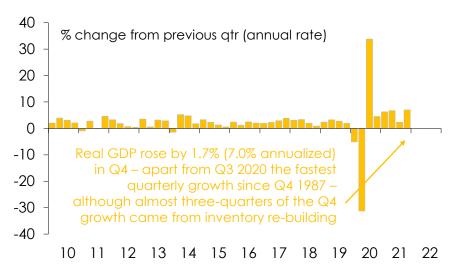
US real GDP grew 1.7% (7.0% annualized) in Q4 2021 – almost eliminating the 'output gap' – though most of the growth came from inventories

THE WORLD ECONOMY THIS WEEK – 7TH MARCH 2022

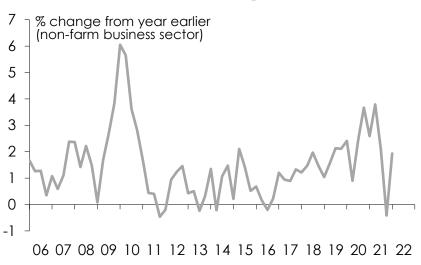
Level of real GDP



Quarterly change in real GDP



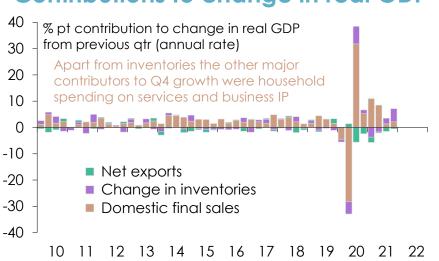
Labour productivity growth



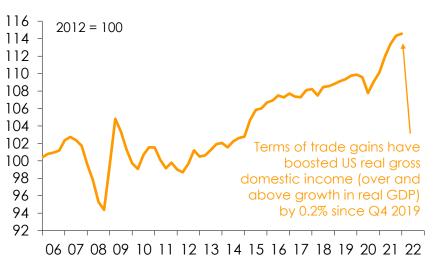
The 'output gap'



Contributions to change in real GDP



Terms of trade



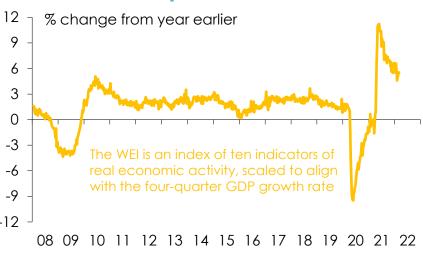
Note: the 'output gap' is the difference between actual and potential GDP (the volume of goods & services that could be produced if the economy were operating at full capacity); the 'terms of trade' is the ratio of the implicit price deflator of exports of goods & services to that of imports of goods & services – it gives an indication of the income gains or losses arising from changes in the prices of goods and services traded between the US and the rest of the world. Sources: US Bureau of Economic Analysis, Gross domestic product; US Congressional Budget Office, 10-Year Economic Projections; US Bureau of Labor Statistics, Labor Productivity and Costs. Return to "What's New".



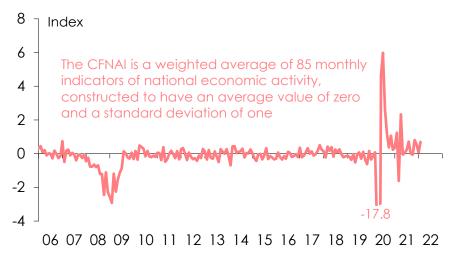
Survey data and composite indexes for the most part suggest only a mild slowing in economic activity in the early part of the first quarter of 2022

THE WORLD ECONOMY THIS WEEK - 7TH MARCH 2022

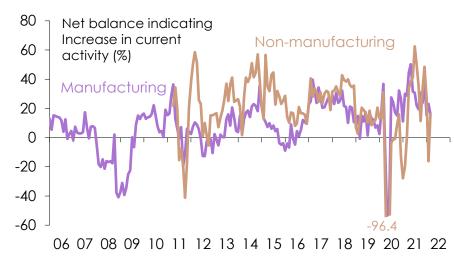
NY Fed weekly economic index



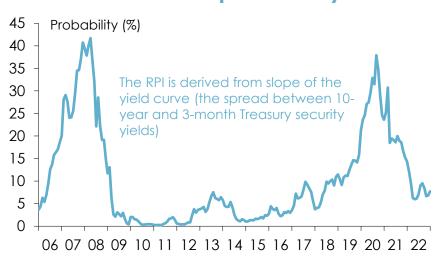
Chicago Fed national activity index



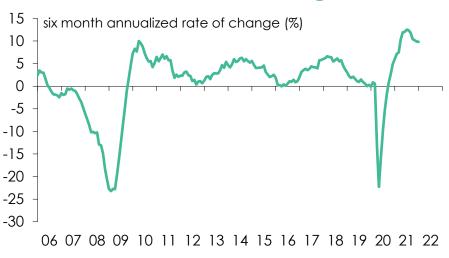
'Philly Fed' business outlook survey



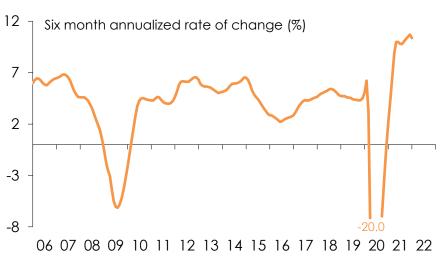
NY Fed recession probability index



Conference Board leading indicators



Dallas Fed Texas business index



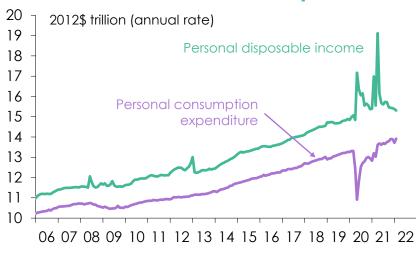
Sources: Federal Reserve Bank of New York, <u>Weekly Economic Index</u> and <u>The Yield Curve as a Leading Indicator</u>; Federal Reserve Bank of Chicago, <u>Chicago Fed National Activity Index (CFNAI)</u>; The Conference Board, <u>Global Business Cycle Indicators</u>; Federal Reserve Bank of Philadelphia, <u>Regional Economic Analysis</u>, Manufacturing and Non-Manufacturing Business Outlook Surveys; Federal Reserve Bank of Dallas, <u>Texas Business-Cycle Index</u>. <u>Return to "What's New"</u>.



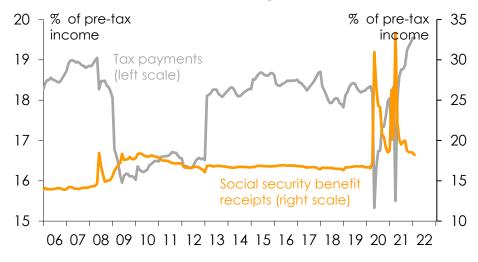
US personal spending and saving are starting to 'normalize' after pandemic-induced distortions, but tax and inflation are also taking a bite out of income

THE WORLD ECONOMY THIS WEEK - 7TH MARCH 2022

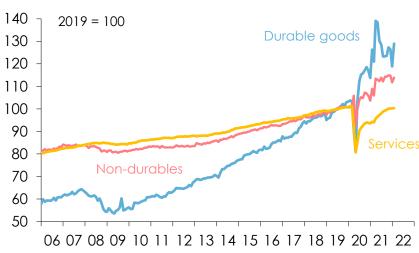
Personal income and expenditure



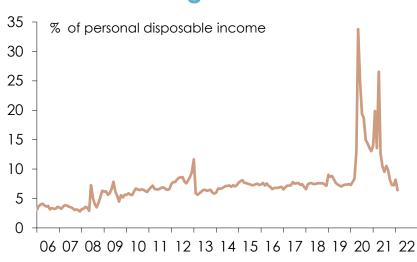
Tax and social security



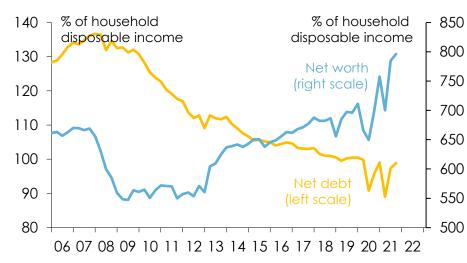
Personal consumption expenditure



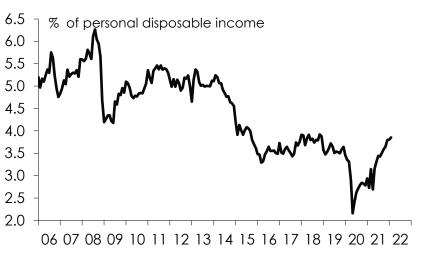
Personal saving rate



Household debt and net worth



Spending on energy



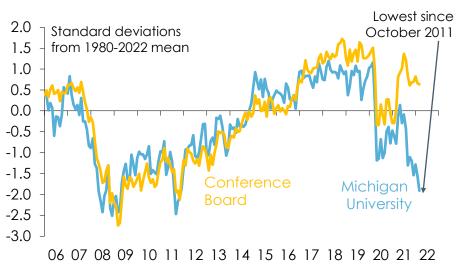




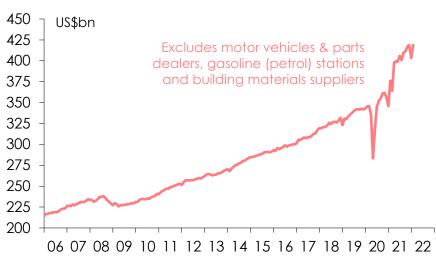
The two measures of US consumer sentiment have diverged over the past two months, reflecting different emphases on inflation & the labour market

THE WORLD ECONOMY THIS WEEK – 7TH MARCH 2022

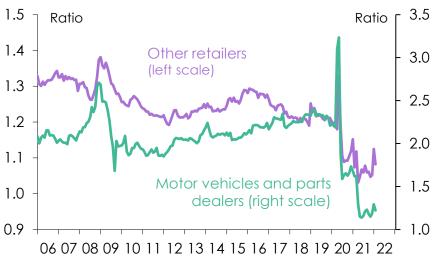
Consumer sentiment



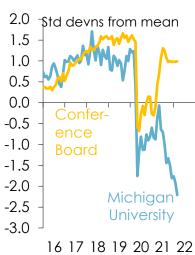
Level of 'core' retail sales



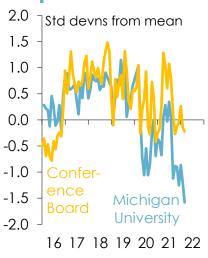
Retail inventories-sales ratios



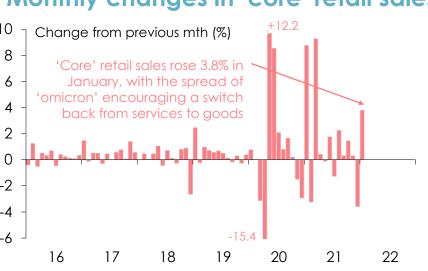
Present situation



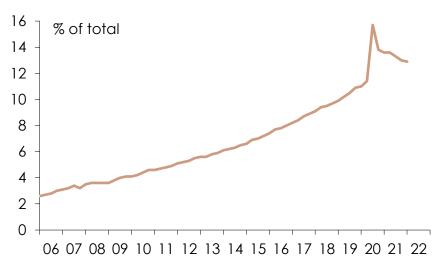
Expectations



Monthly changes in 'core' retail sales



On-line retail sales

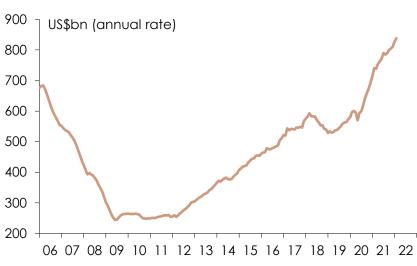




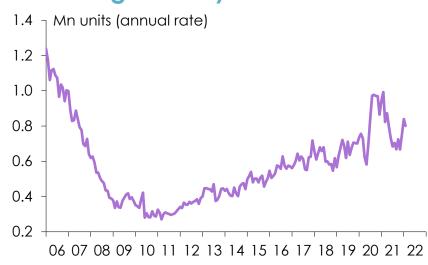
US house price inflation picked up again in the last two months of 2021, after slowing mid-year, perhaps reflecting supply-chain issues

THE WORLD ECONOMY THIS WEEK – 7TH MARCH 2022

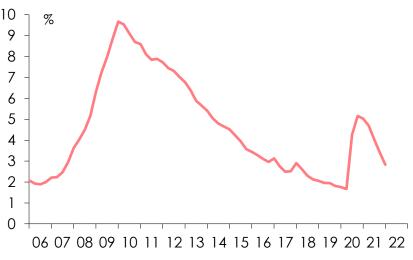
Housing construction spending



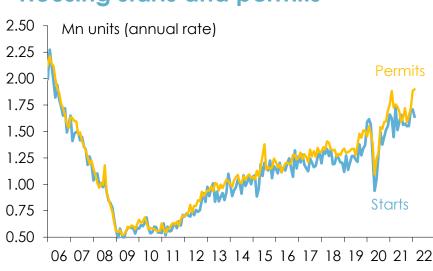
New single-family home sales



Mortgage delinquency rate



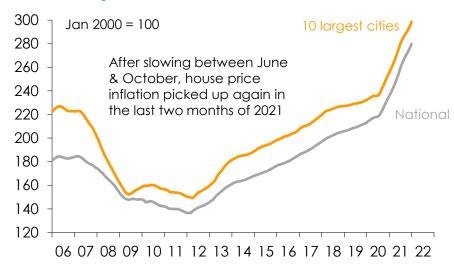
Housing starts and permits



Existing home sales



House prices





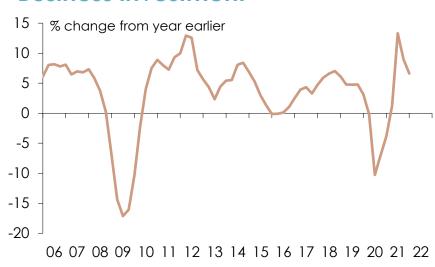
US corporate profits and balance sheets are strong, and investment is increasing – except in non-residential construction

THE WORLD ECONOMY THIS WEEK - 7TH MARCH 2022

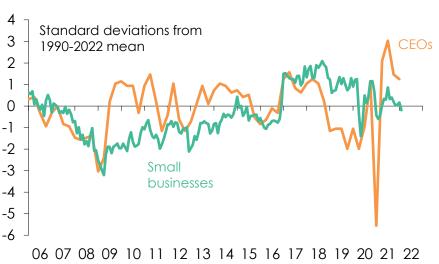
After-tax corporate profits



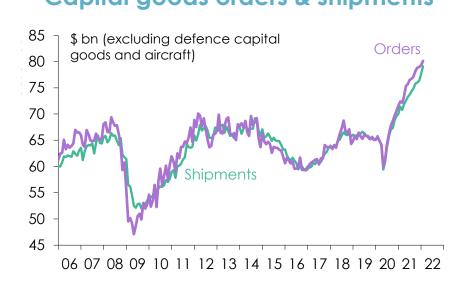
Business investment



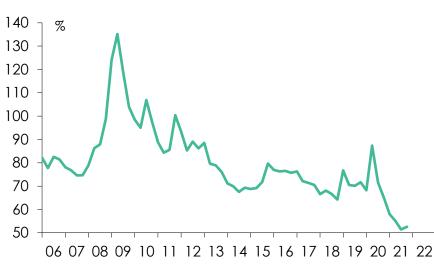
Business confidence

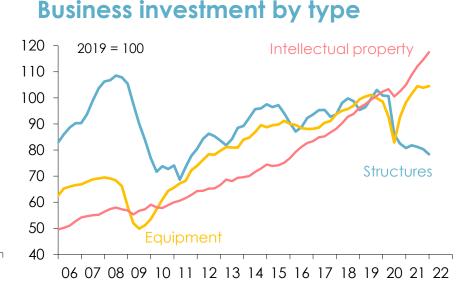


Capital goods orders & shipments



Corporate debt-equity ratio





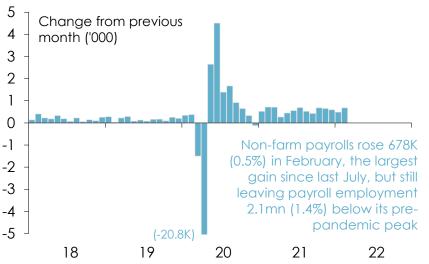
Sources: US Bureau of Economic Analysis, <u>Gross Domestic Product</u>; US Federal Reserve, <u>Financial Accounts of the United States - Z1</u>; The Conference Board, <u>US CEO Confidence</u>; National Federation of Independent Business, <u>Small Business Economic Trends</u>; US Commerce Department, <u>Manufacturers' Shipments, Inventories and Orders</u>. <u>Return to "What's New"</u>



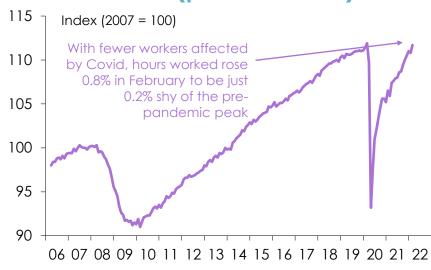
Employment rose strongly in February, hours worked rebounded and the unemployment rate fell to just 0.3 pc pt above its pre-pandemic low

THE WORLD ECONOMY THIS WEEK – 7TH MARCH 2022

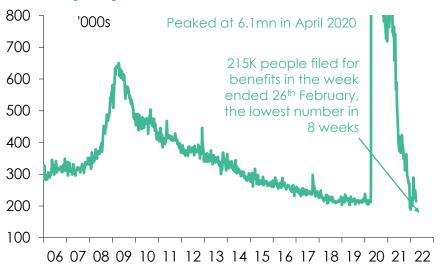
Non-farm payroll employment



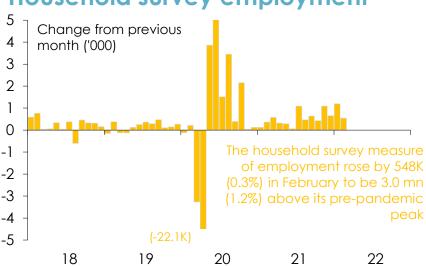
Hours worked (private sector)



Unemployment benefit initial claims



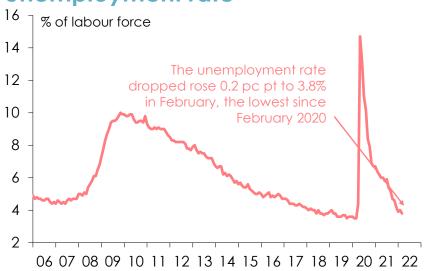
Household survey employment



Labour force participation rate



Unemployment rate



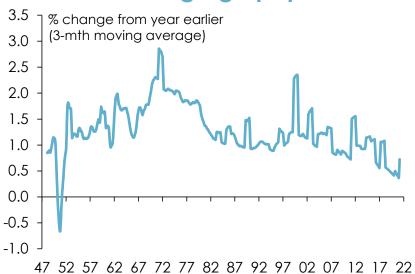




US labour market tightness owes a lot to restrictions on immigration, and to barriers to the return to the labour market of specific groups

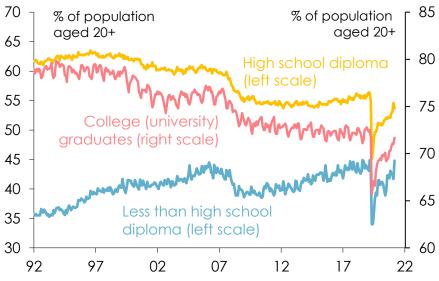
THE WORLD ECONOMY THIS WEEK — 7th MARCH 2022

Civilian working age population



% of population

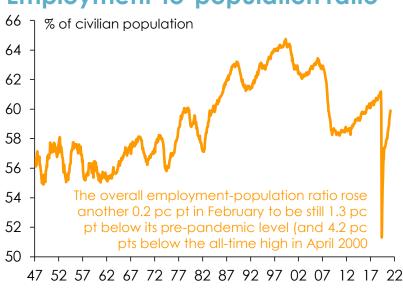
'E-pop' ratio – by education



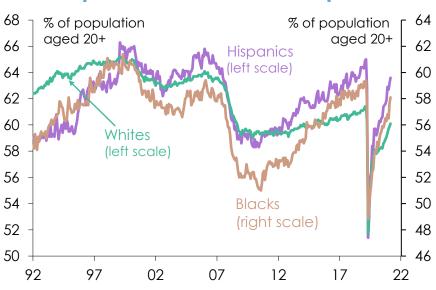
'E-pop' ratio – women 25-54



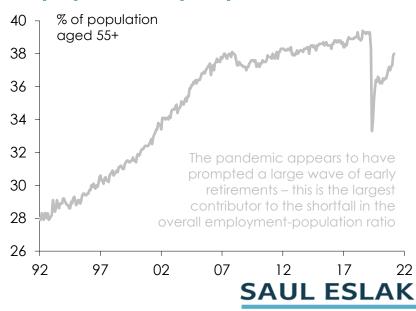
Employment-to-population ratio



'E-Pop' ratio – Blacks & Hispanics



'E-pop' ratio – people 55 & over



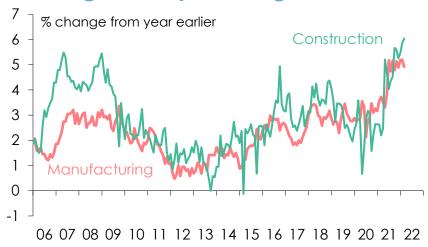
CORINNA ECONOMIC ADVISORY INDEPENDENT ECONOMICS

The 'best' measure of US wages growth – the employment cost index – rose 5% over the year to Q4, the fastest pace since Q1 1984

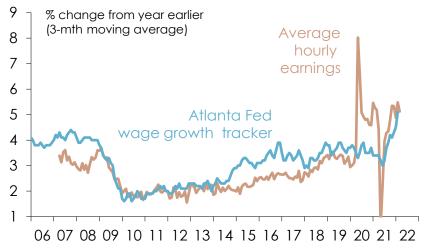
THE WORLD ECONOMY THIS WEEK - 7TH MARCH 2022



Average hourly earnings

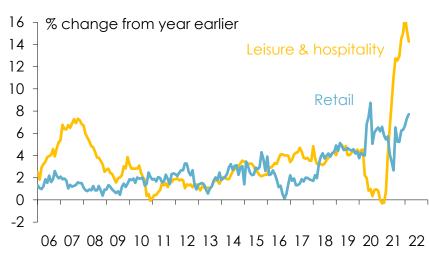


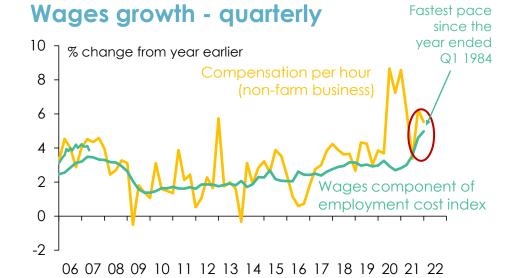
Overall wages growth - monthly





Average hourly earnings





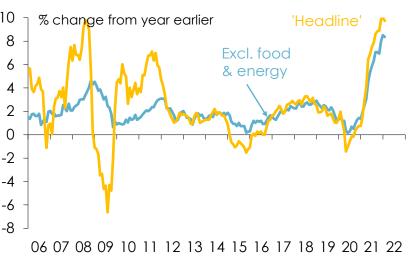
Note: Measures of average hourly earnings (especially the all-industries measures) and of average compensation per hour are affected by changes in the composition of employment (so for example they rose sharply in Q2 2020 when large numbers of low-paid workers were laid off and fell markedly when they returned to work) whereas the Atlanta Fed 'wage growth tracker' (which tracks the wage growth of individuals) and the wages component of the ECI (which is very similar to the ABS' Wage Price Index) are not. Sources: US Bureau of Labor Statistics, Job Openings and Labor Turnover Survey, Current Employment Statistics, Employment Cost Trends and Labor Productivity and Costs; Federal Reserve Bank of Atlanta Center for Human Capital Studies, Wage Growth Tracker, 'Return to "What's New".



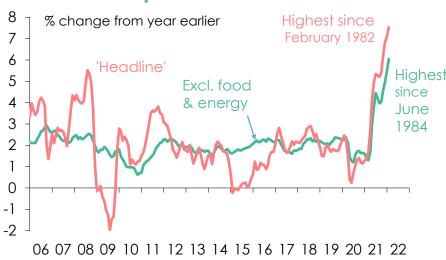
The Fed's preferred measure of 'core' inflation rose 5.2% over the year to January, the fastest since April 1983

THE WORLD ECONOMY THIS WEEK - 7TH MARCH 2022

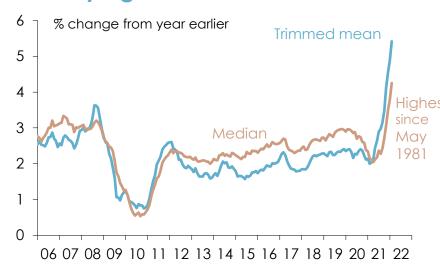
Producer price index



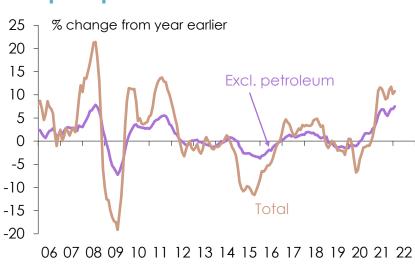
Consumer price index



'Underlying' CPI inflation



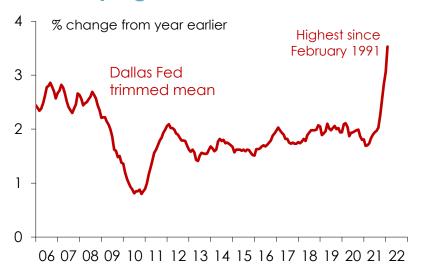
Import price index



Personal consumption deflator



'Underlying' PCE deflator inflation

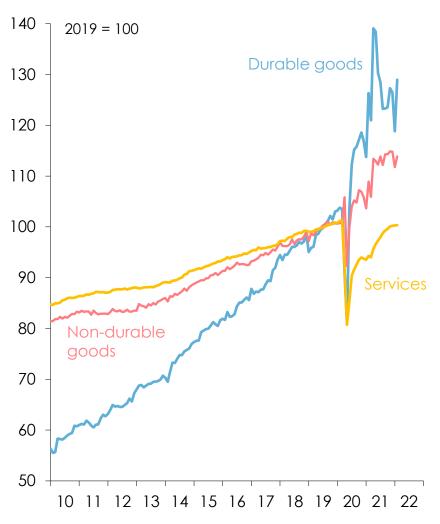




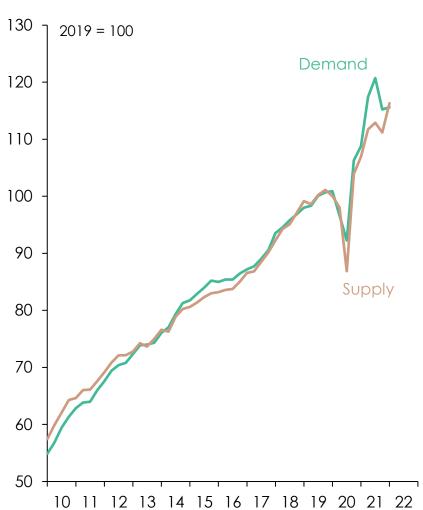
The rise in inflation as measured by the PCE deflator is largely attributable to the imbalance between demand for and supply of durable goods

THE WORLD ECONOMY THIS WEEK – 7^{TH} MARCH 2022

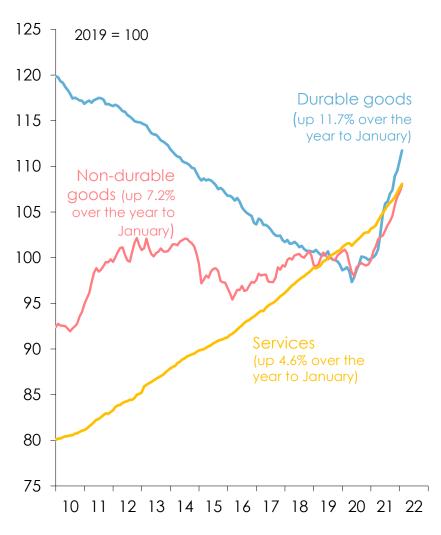
Composition of personal consumption expenditures



Aggregate demand for and supply of durable goods



Implicit price deflators of personal consumption



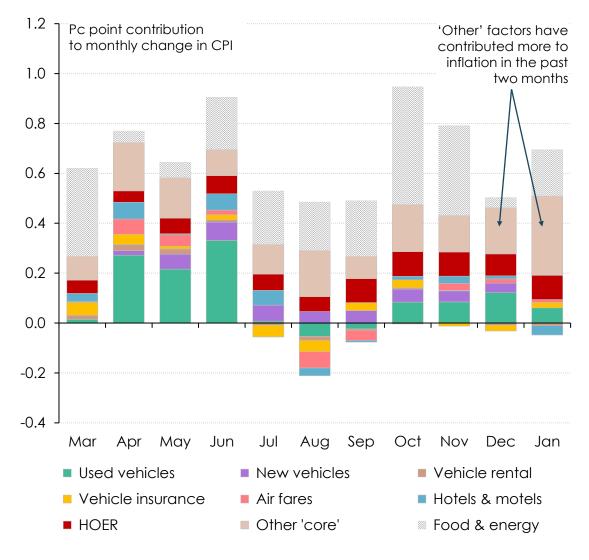
Note: 'Aggregate demand' for durable goods comprises personal consumption of durable goods plus business investment in equipment. 'Aggregate supply' of durable goods comprises gross domestic product (final sales plus change in inventories) plus net imports of durable goods. Sources: US Bureau of Economic Analysis, National Income and Product Accounts, Tables 2.8.3-5, 1.1.6, 1.2.6 and 4.2.6. Return to "What's New".



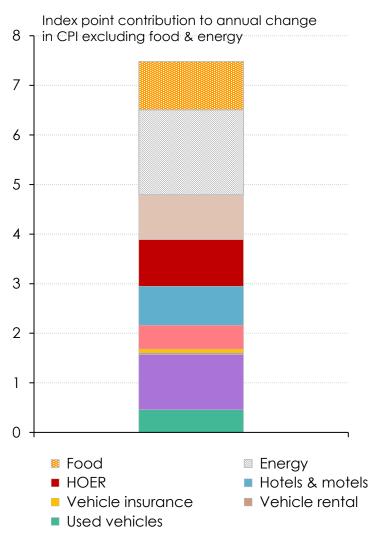
Energy, vehicle purchase, hotels, air fares, & home-owner costs account for 39% of the CPI, but contributed 84% of the increase in it over the past year

THE WORLD ECONOMY THIS WEEK - 7TH MARCH 2022

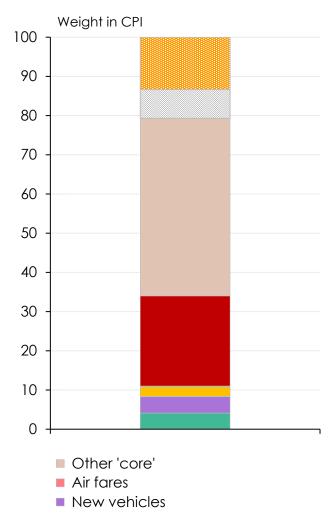
Contributions to monthly changes in the US CPI



Contributions to change in CPI over the year to January



Weights in CPI



Note: 'HOER' = home-owners' equivalent rent (a measure of the 'imputed rent' notionally paid by owner-occupiers to themselves), and which accounts for (an uncommonly large, by international standards) 28½% of the CPI excluding food and energy. Source: US <u>Bureau of Labor Statistics</u>, CPI Table 6; Corinna. <u>Return to "What's New"</u>.



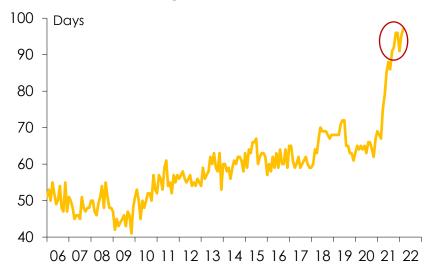
Supply-chain difficulties had appeared to have peaked late last year but may have re-intensified in the opening months of this year

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Manufacturers' order backlogs



Lead-time for production materials



Motor vehicles & parts production



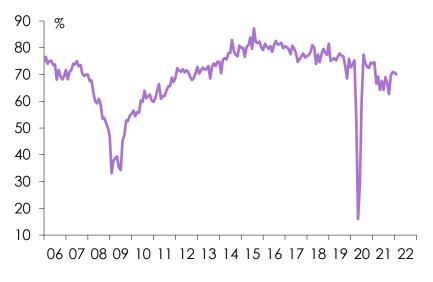
Manufacturers' customer inventories



Reasons for < full capacity



Auto industry capacity utilization



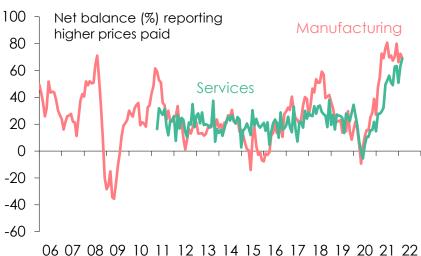
Note: The diffusion index of order backlogs is 50 plus the percentage of respondents reporting longer backlogs minus the percentage reporting shorter backlogs (and similarly for customer inventories). 'Reasons for < full capacity' means reasons for operating at less than full capacity. Sources: Institute for Supply Management, Report on Business; US Census Bureau, Quarterly Survey of Plant Capacity Utilization; Board of Governors of the Federal Reserve System, Industrial Production and Capacity Utilization - G17. 'Return to "What's New".



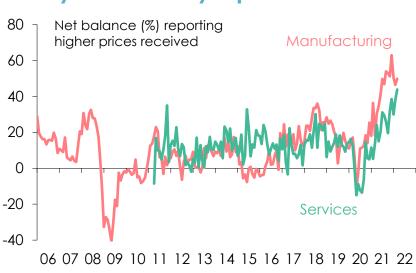
Survey-based measures suggest 'upstream' price pressures may be peaking – while longer-term household inflation expectations remain stable

THE WORLD ECONOMY THIS WEEK – 7th MARCH 2022

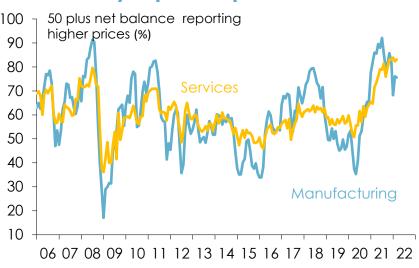
'Philly Fed' survey – prices paid



'Philly Fed' survey - prices received



ISM survey - prices paid



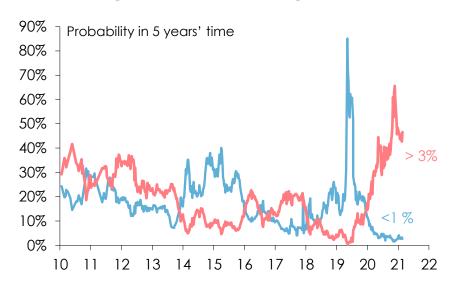
NY Fed 'underlying inflation gauge'



Household inflation expectations



Market-priced inflation probabilities



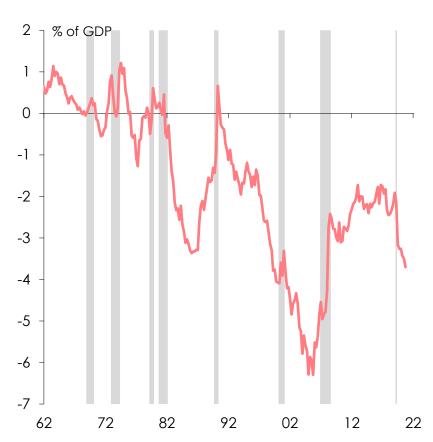




'Excess demand' in the US economy is also showing up in a widening current account deficit

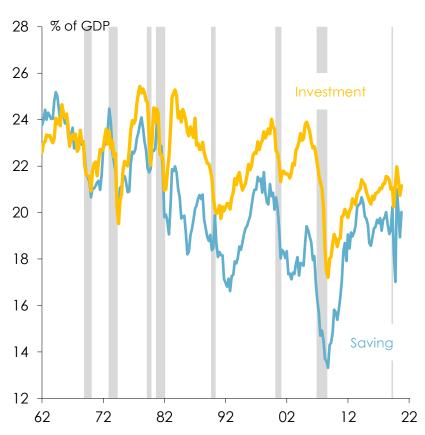
THE WORLD ECONOMY THIS WEEK – 7TH MARCH 2022

US current account balance



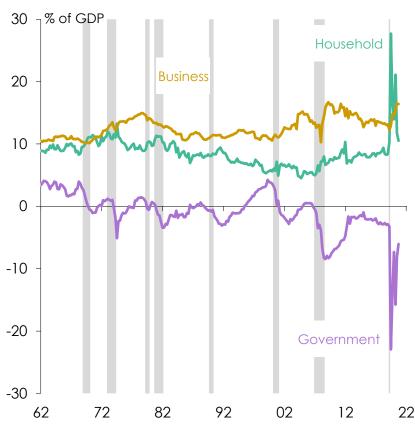
The US current account has widened since the onset of the pandemicinduced recession – and has become larger (as a pc of GDP) than at any time since the financial crisis

Gross saving and investment



Investment didn't fall much during the Covid recession as in previous ones – perhaps because it didn't rise as much as usual during the preceding expansion (corporate tax cuts notwithstanding)

Gross saving by sector



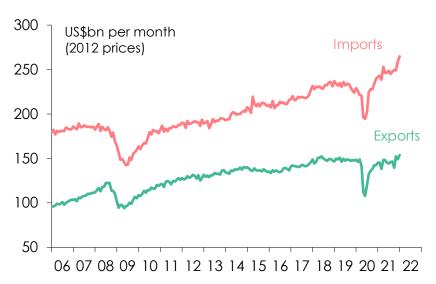
The dramatic increase in the budget deficit during and after the Covid recession has been largely (but not totally) offset by an increase in household saving



The US recorded another record merchandise trade deficit (of \$101bn) in December, and the second-highest ever goods & services trade deficit

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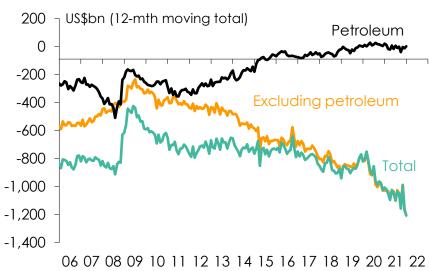
US merchandise trade volumes



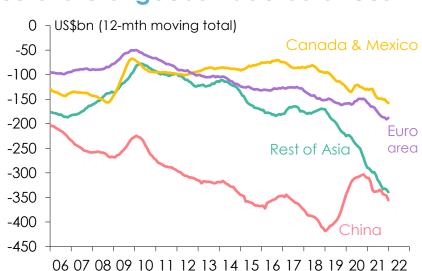
US merchandise trade prices



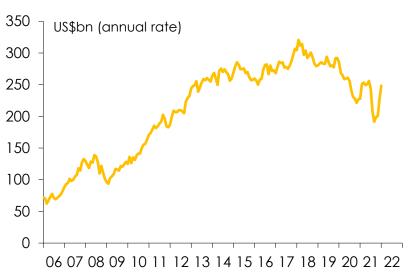
US goods trade balance



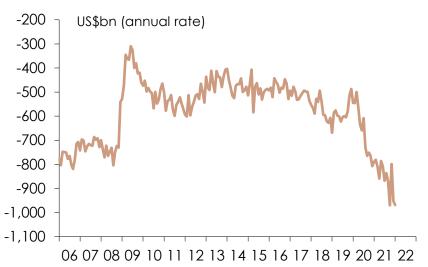
US bilateral goods trade balances



US services trade balance



US goods & services trade balance





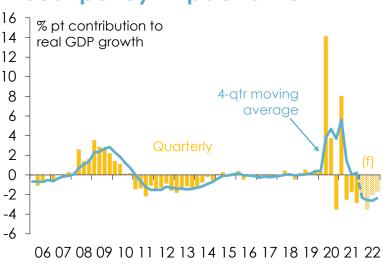
The US Federal Government posted a budget surplus in January for the first time since September 2019

THE WORLD ECONOMY THIS WEEK – 7TH MARCH 2022

US Federal budget deficit



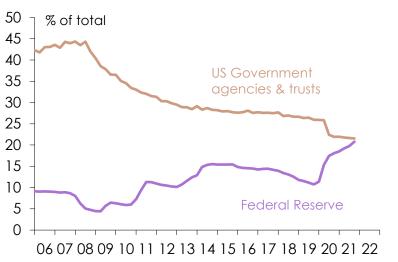
Fiscal policy impact on GDP



US gross Federal debt



Holdings of US Federal debt



- The US Federal Government recorded a budget surplus, of \$118.7bn, in January the first monthly surplus since September 2019 reflecting more collections of deferred payroll tax revenues and a drop in spending due to the expiry of some pandemic programs
- For the 12 months ended January the budget deficit totalled \$2.3 trn (11.8% of GDP), down from a peak of \$4.1 trn (22.2% of GDP) in the 12 months ended June 2021
- ☐ The market value of gross federal debt outstanding fell \$70bn to \$30.7tm (157.8% of GDP) at the end of January
- The Fed holds almost 21% of the total stock of outstanding US Government debt (up from 11% in Q4 2019), while the share held by agencies and trusts (such as the Social Security Trust Fund) has fallen to just under 22% (from 26%) and the share held by foreign investors has fallen to 26½% from a peak of 34% in 2014 and 2015
 - The Administration's \$1.5trn "Build Back Better" spending bill seems unlikely to pass Congress in anything resembling its current form

Note: The measure of US gross federal debt is at market value. Sources: US Treasury Department Bureau of the Fiscal Service, Monthly Treasury Statement and Treasury Bulletin; Federal Reserve Bank of Dallas, Market Value of US Government Debt; Brookings, Hutchins Center Fiscal Impact Measure; Corinna. Return to "What's New".



Fed Chair Powell last week re-iterated that the Fed would likely raise rates by 25 basis points at this month's FOMC meeting

THE WORLD ECONOMY THIS WEEK - 7TH MARCH 2022

- ☐ Fed Chair Jerome Powell indicated in his <u>semi-annual Congressional testimony</u> last week that "it will be appropriate to raise the target range for the federal funds rate" at the next FOMC meeting (on 15-16th March)
 - he noted that "the labour market is extremely tight", as a result of which that "wages are rising at their fastest pace in many years", that "supply disruptions have been larger and longer lasting than anticipated" and that "price increases are now spreading to a broader range of goods and services"
 - he indicated that "the process of removing monetary accommodation" would entail "both increases in the target range for the federal funds rate and reduction in the size of the Federal Reserve's balance sheet", with the latter commencing "after the process of raising interest rates has begun" and proceeding "primarily through adjustments to reinvestments"
 - he also observed that the effects of the Russian invasion of Ukraine, the ensuing sanctions and "events to come" were
 "highly uncertain" and that the Fed would need to recognize that "the economy evolves in unexpected ways"
- □ These remarks (apart from those relating to recent geo-political developments) were consistent with the minutes of the most recent FOMC meeting held on 25-26th January, which record participants as agreeing that "recent inflation readings had continued to significantly exceed [the Fed's] longer-run goal and elevated inflation was persisting longer than they had anticipated", that "uncertainty regarding the path of inflation was elevated", that "risks to inflation were weighted to the upside", and that "the labour market was strong"
- □ The minutes go on to record FOMC members as agreeing that "there was a much stronger outlook for growth in economic activity, substantially higher inflation, and a notably tighter labour market" than in 2015 when the Fed "last began a process of removing monetary accommodation"
 - leading "most participants" to conclude that "a faster pace of increases in the target range for the federal funds rate than in the post-2015 period would likely to be warranted"
 - and in response to questions last week, Powell <u>said</u> he was "inclined to propose and support a 25 bp rate hike" at this month's meeting, but also indicated the Fed could "move more aggressively" later if inflation didn't come down later this year as expected

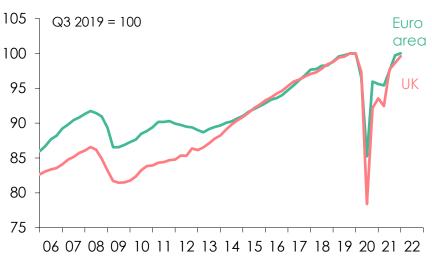
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Europe

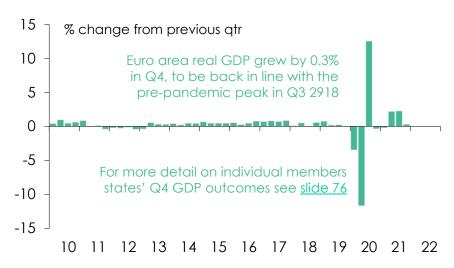
The UK's real GDP grew 1.0% in Q4, the same as in Q3, but was still 0.4% off its pre-pandemic peak in Q3 2019

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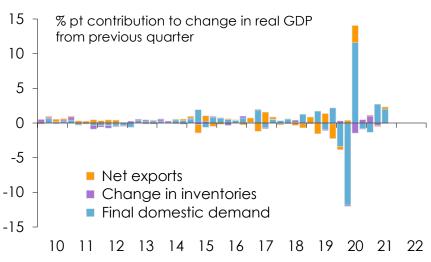
Euro area and UK real GDP



Euro area quarterly GDP growth



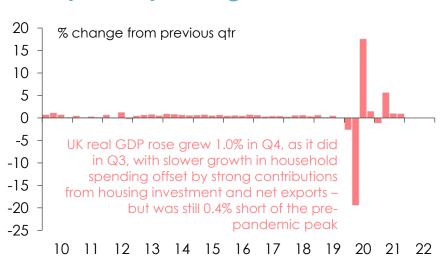
Contributions to quarterly EA GDP



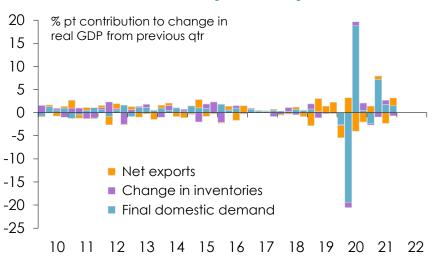
Euro area and UK terms of trade



UK quarterly GDP growth



Contributions to quarterly UK GDP



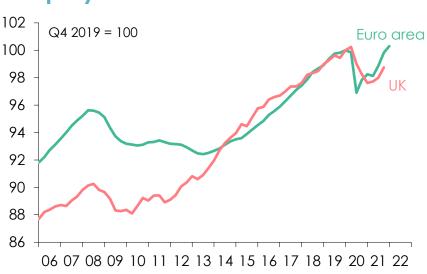
Note: the 'terms of trade' is the ratio of the implicit price deflator of exports of goods & services to that of imports of goods & services – it gives an indication of the income gains or losses arising from changes in the prices of goods and services traded with the rest of the world. Sources: Eurostat, <u>National accounts - Main tables</u>; UK Office for National Statistics, <u>GDP quarterly national accounts time series</u>. Return to "What's New".



Unemployment is much lower in the UK than in the euro area, but in other respects euro area households are in a stronger position

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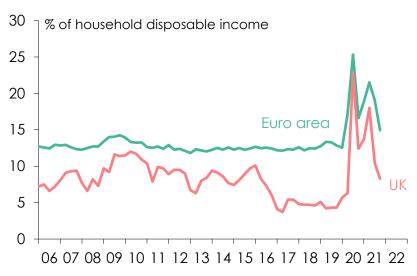
Employment



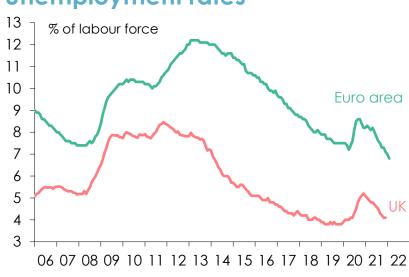
Labour productivity



Household saving rates



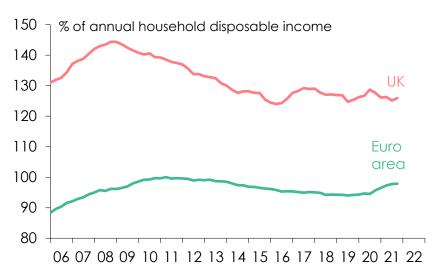
Unemployment rates



Household disposable income



Household debt

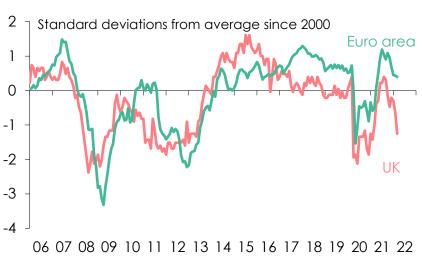




Higher-frequency data also show the euro area economy doing better than the UK – except in housing

THE WORLD ECONOMY THIS WEEK – 7TH MARCH 2022

Consumer confidence



New car registrations



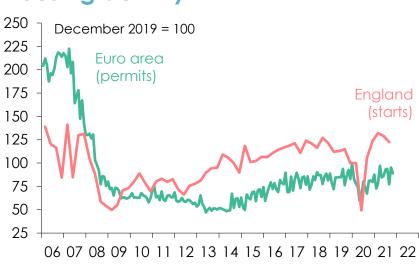
Business confidence



Retail sales volume



Housing activity



Manufacturing production



Sources: European Commission, <u>Business and consumer surveys</u>; GfK, <u>Consumer confidence barometer</u>; Confederation of British Industry, <u>Industrial Trends Survey</u>; Eurostat, <u>Turnover and volume of sales in wholesale and retail trade</u>, <u>New registrations of passenger cars</u>, <u>Building permits - monthly data</u> and <u>Production in industry</u>; UK Office for National Statistics, <u>Retail industry</u>, <u>House building data</u>, <u>UK</u>, and <u>Manufacturing and production industry</u>; Society of Motor Manufacturers and Traders, <u>Car registrations</u> (seasonally adjusted by Corinna). Return to "What's New".



'Brexit' has not been a boon for the UK's trade performance

THE WORLD ECONOMY THIS WEEK – 7TH MARCH 2022

Merchandise exports



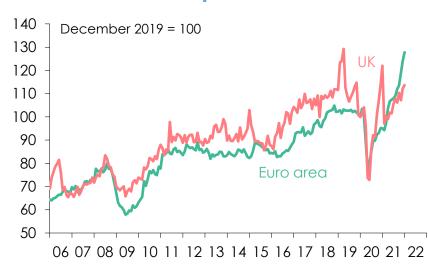
UK exports by destination



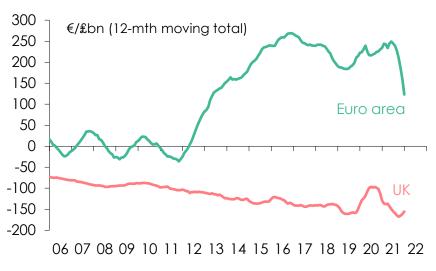
Services exports



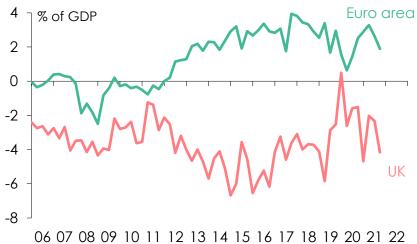
Merchandise imports



Merchandise trade balances



Current account balance





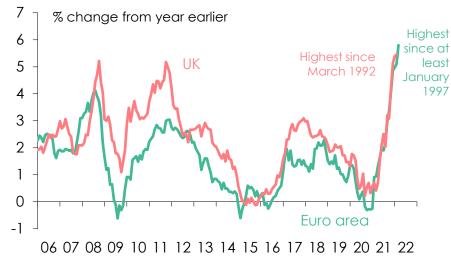
Euro area consumer prices rose 5.8% over the year to February, largely due to a 31.7% surge in energy prices, while 'core' inflation rose to 2.7%

THE WORLD ECONOMY THIS WEEK – 7th MARCH 2022

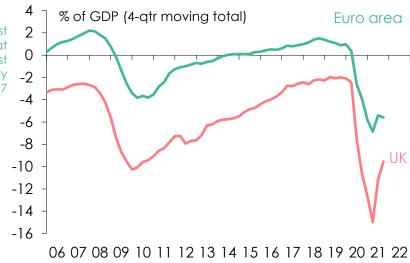
Producer prices



'Headline' consumer prices



Government fiscal balance



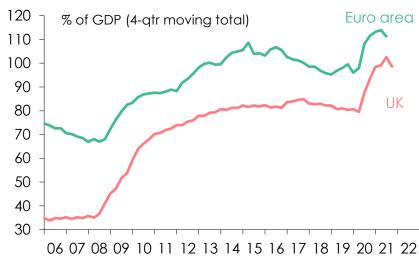
Labour costs



'Core' consumer prices



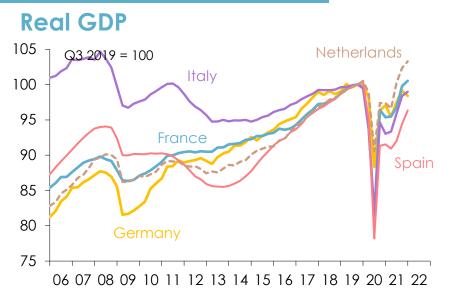
Government net debt

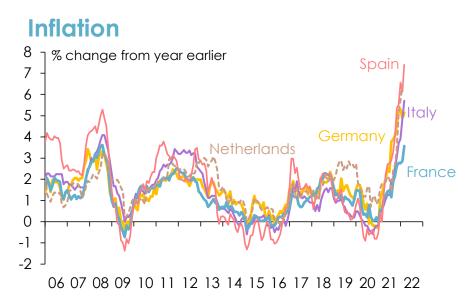


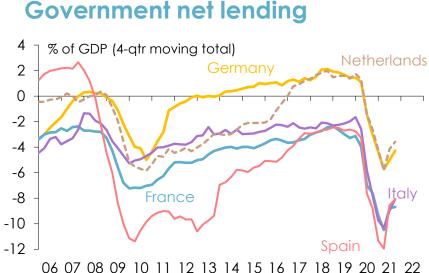


Germany's economy shrank 0.7% in Q4, while France's grew 0.7% (to surpass its pre-pandemic peak) and Spain's by 2.0%

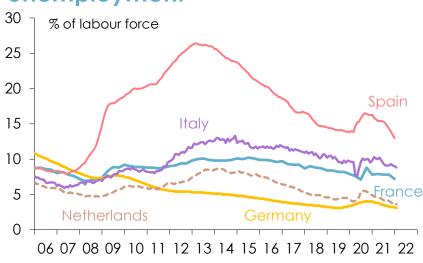
THE WORLD ECONOMY THIS WEEK - 7TH MARCH 2022



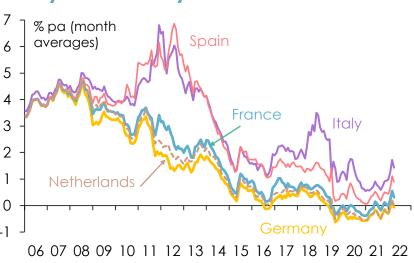




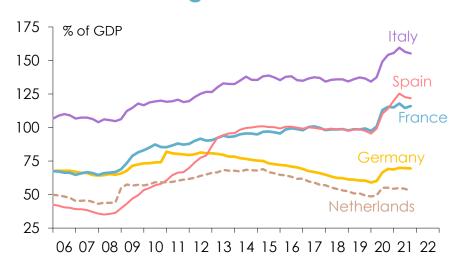




10-year bond yields



Government gross debt





The Bank of England raised rates by another 25 basis points this month, the second successive increase, with more likely in coming months

THE WORLD FCONOMY THIS WEEK – 7TH MARCH 2022

- ☐ The Bank of England's Monetary Policy Committee raised its Bank Rate by 25 bp, to 0.50%, at its Monetary Policy Committee meeting on 3rd February the second increase in a row following the 15 bp increase in December
 - four of the nine MPC members voted in favour of a 50 bp rise
 - the MPC also decided (unanimously) to begin reducing its holdings of UK government bonds by no longer re-investing maturing bonds, and to begin selling down its holdings of corporate bonds with a view to eliminating them by end-2023
 - the MPC agreed that it would consider actively reducing its holdings of government bonds (ie, by selling them) only once the Bank Rate has reached "at least 1%" and "depending on economic circumstances at the time"
- □ The BoE's latest Monetary Policy Report revised upwards its forecast for the peak in inflation in April this year to "around 71/4%", 2 pc points higher than expected in the previous report last November, largely reflecting higher energy prices (the UK energy regulator Ofgem announced a 54% (roughly £700) increase in household electricity and gas prices on 1st April on which date national insurance charges will also increase by 1.25 pc pts)
 - these developments are expected to result in UK real GDP growth slowing from an expected 7.8% over the year to Q1 2021, to just 1.8% over the year to Q1 2023, and 1.1% over the year to Q1 2024, and unemployment rising from 3.8% in the current quarter to 4.6% by Q1 2024 and 5.0% by Q1 2025
 - this sharp slowing in economic growth, and the resulting re-emergence of an 'output gap' by Q1 next year, is expected to result in the annual inflation rate declining to 5.2% by Q1 next year, and thereafter to 2.1% in Q1 2024 and 1.6% in Q1 2025
- ☐ The MPC <u>judged</u> that "some further modest tightening in monetary policy" was "likely to be appropriate in the coming months" if the economy developed "broadly in line" with its forecasts
- □ The MPC explicitly noted that the impact on real incomes and spending of "sharp rises in prices of global energy and tradeable goods" was something that monetary policy is "unable to prevent", but rather, its role is "to ensure that, as such a real economic adjustment occurs, it does so consistent with achieving the 2% inflation target sustainably in the medium term"

 SAUL ESLAKE

The ECB was much more dovish than the BoE, re-affirming an end to its main QE program next months but also that it's in no hurry to start raising rates

THE WORLD ECONOMY THIS WEEK – 7th MARCH 2022

- At its Governing Council meeting on 3rd February, the <u>European Central Bank</u> re-affirmed the decision originally taken in December to end asset purchases under its Pandemic Emergency Purchase Program (PEPP) at the end of March (although it will continue to re-invest maturing securities until "at least the end of 2024")
- □ The Governing Council also decided to reduce monthly net asset purchases under its separate Asset Purchase Program (which dates back to October 2014) from €40bn per month in Q2 to €30bn per month in Q3 and then to €20bn per month from October onwards, until "shortly before it starts raising the key ECB interest rates"
- ☐ The Council left its refi rate unchanged at 0.0%, and <u>re-affirmed</u> its intention to leave it there "until it sees inflation reaching 2% well ahead of the end of its projection horizon, and it judges that realized progress in underlying inflation is sufficiently advanced to be consistent with inflation stabilizing at 2% over the medium term"
- At her <u>post-meeting press conference</u> ECB President Christine Lagarde acknowledged that inflation had "surprised to the upside" in January, and was "likely to remain elevated for longer than previously expected", and that compared with previous expectations "the risks to the inflation outlook are tilted to the upside"
 - however she also stressed that GC members were determined "not to rush into a decision [to tighten monetary policy] unless we had a proper and thorough assessment based on data and analytical work", which would be available at the next GC monetary policy meeting on 10th March
 - and she re-iterated that the ECB has "a sequence" in which it intends to implement changes in monetary policy, meaning that it "will not hike rates until [it has] completed net asset purchases", that "we will look at net asset purchases first, gradually, on a data-dependent basis" and "then we will look at interest rates"
- Mme Lagarde also drew contrasts between the euro area and the UK, pointing to much faster wages growth in the UK (as a result of the Brexit-induced "shortage of workers" than in the euro area, where "we are not yet seeing ... a significant movement in terms of wage increases"; and with the US, which has had a "massive fiscal stimulus", unlike the euro area "where it has been more moderate"

 SAUL ESLAKE

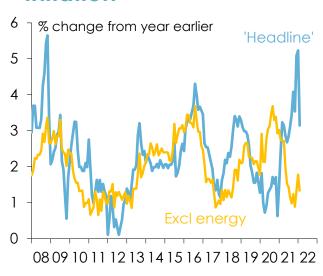
Norway's central bank raised its policy rate twice in the second half of last year, commencing a 'gradual normalization' of monetary policy

THE WORLD ECONOMY THIS WEEK – 7TH MARCH 2022

'Mainland' real GDP



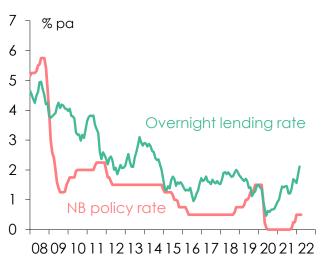
Inflation



Trade balance



Interest rates



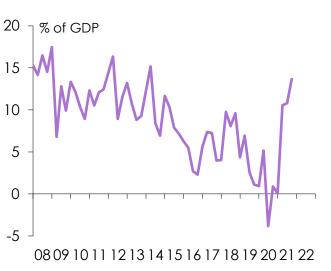
Unemployment



House prices



Current account balance



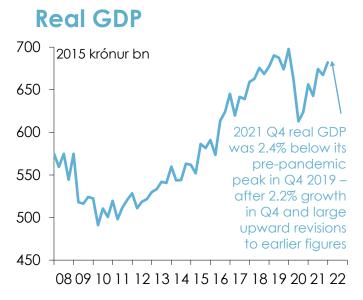
Krone vs euro

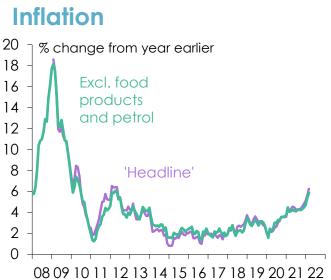


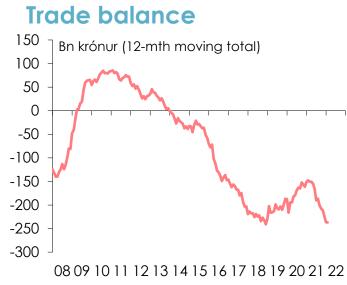


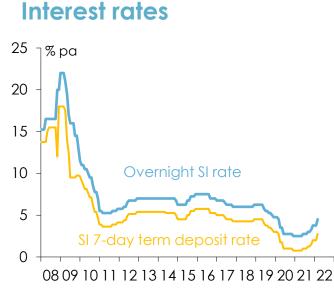
Iceland's central bank raised its policy rates another 75 bp in February, the fifth increase since last May, following a 'marked deterioration' in inflation

THE WORLD ECONOMY THIS WEEK - 7TH MARCH 2022

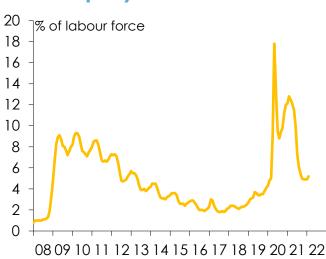




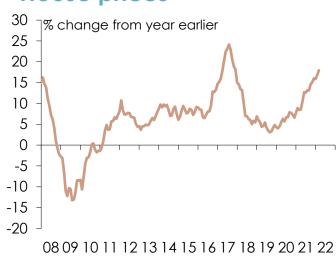




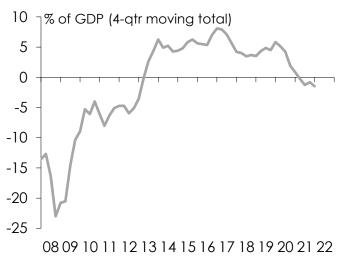
Unemployment







Current account balance



Króna vs US dollar



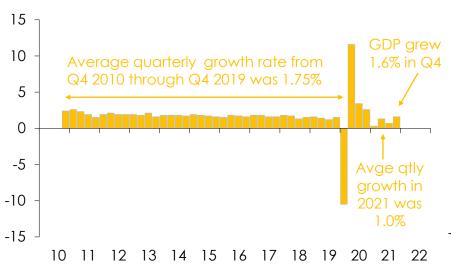


China

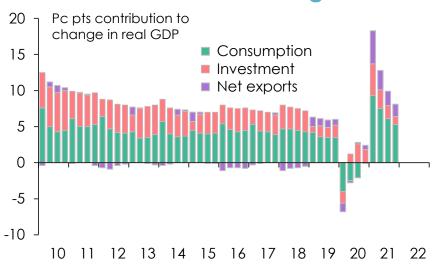
China's economy grew 1.6% in Q4 and 8.1% for 2021 as a whole, but growth was much more dependent on exports than over the past 20 years

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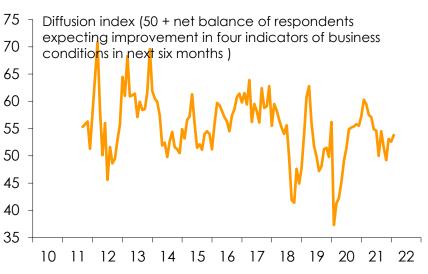
Quarterly real GDP growth



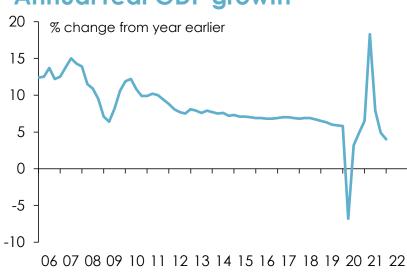
Contributions to real GDP growth



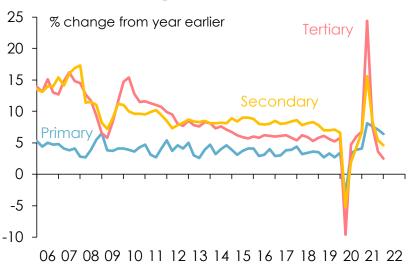
CKGSB business conditions index



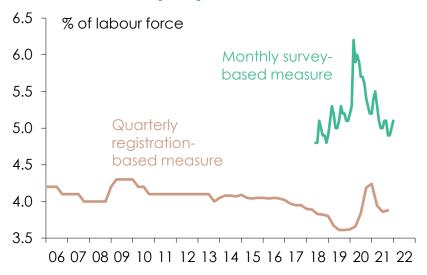
Annual real GDP growth



Annual GDP growth by industry



Urban unemployment rate





Official and private PMIs suggest a renewed slowing in economic activity in January, probably as a result of tighter covid-19 restrictions

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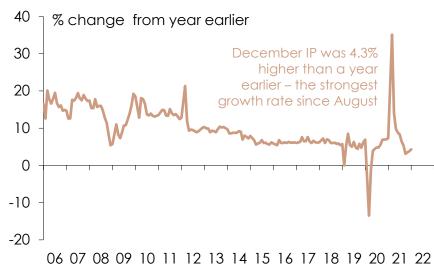
Manufacturing PMIs



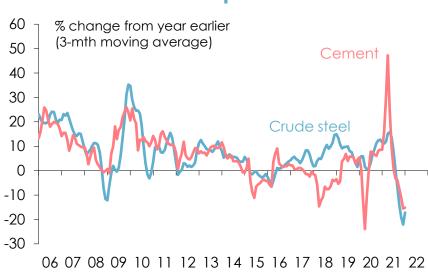
Non-manufacturing PMIs



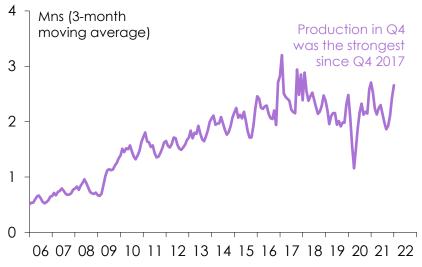
Industrial production



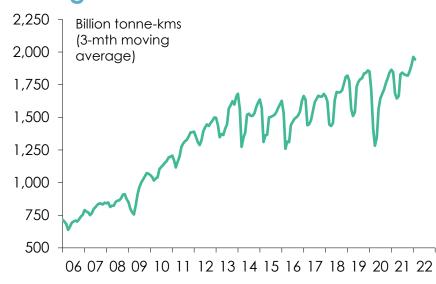
Steel and cement production



Motor vehicle production



Freight traffic volumes



Note: The Caixin PMIs are derived from a survey of around 500, mostly small private, enterprises, while the 'official' NBS PMIs are derived from a survey of about 3,000, mostly state-owned, enterprises: for more detail see here. Sources: China National Bureau of Statistics, National Data; Caixin Global, Indexes; China Association of Automobiles. Return to "What's New".



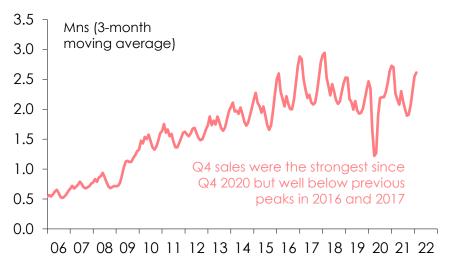
The 'demand' side of China's economy – and in particular the property construction sector – continued to look soft in December

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Consumer sentiment



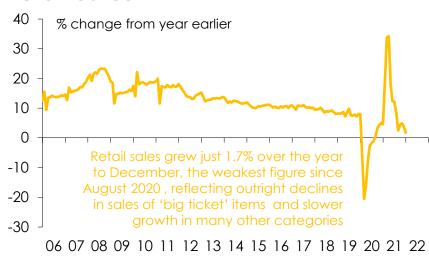
Motor vehicle sales



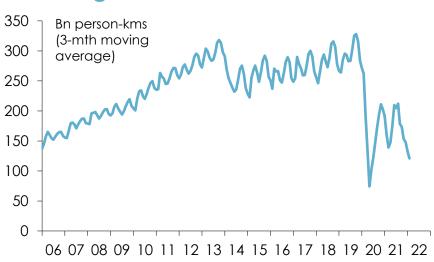
Real estate investment



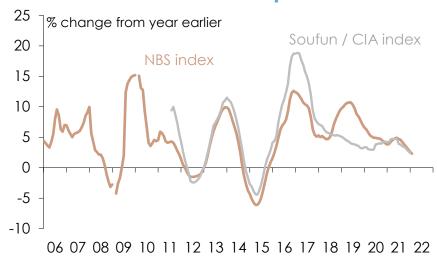
Retail sales



Passenger traffic volumes



Residential real estate prices



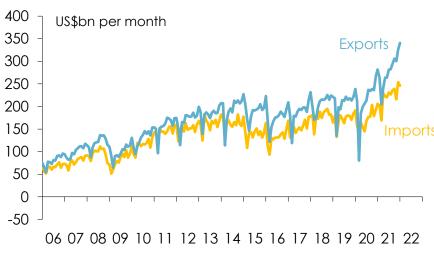


INDEPENDENT ECONOMICS

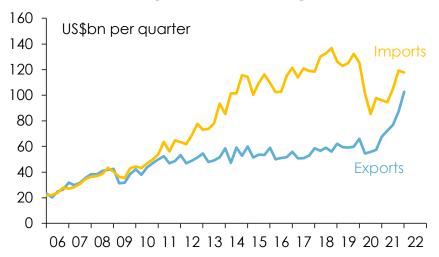
China's merchandise exports have regained 'market share', which along with weaker services imports have seen the current account surplus rise

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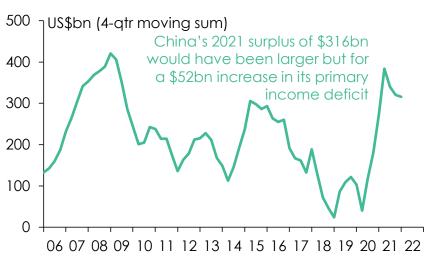
Merchandise exports and imports



Services exports and imports



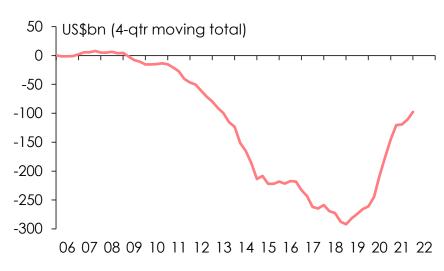
Current account balance



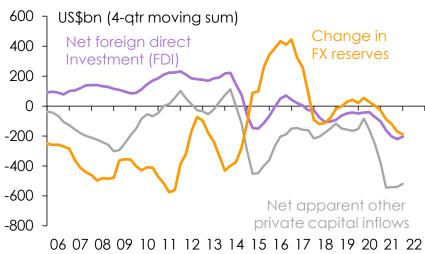
Merchandise trade balance



Services trade balance



Capital flows





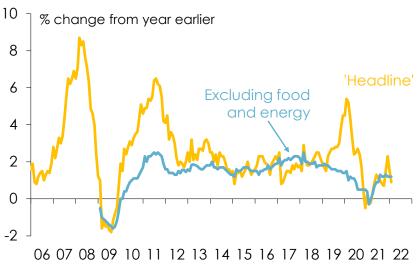
Producer price inflation in China appears to have passed its peak, while consumer price inflation remains low and stable

THE WORLD ECONOMY THIS WEEK - 7TH MARCH 2022

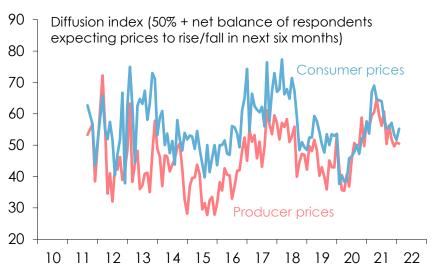
Producer prices



Consumer prices



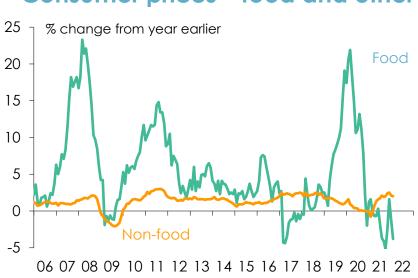
CKGSB price diffusion indexes



Producer prices – major categories



Consumer prices – food and other



Trade prices



06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22



China's economic policy-makers are beginning to respond to the slowdown in economic growth

THE WORLD ECONOMY THIS WEEK – 7TH MARCH 2022

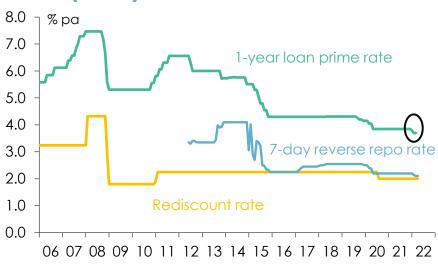
- □ China's economy has slowed significantly this year (and would have slowed by more but for the unexpected strength in Chinese exports) but until very late last year there had been very little indication of any response from Chinese economic policy-makers
- □ During January, the PBoC cut the one-year prime loan rate twice, by a total of 15 basis points, to 3.70%, following December's 50bp reduction in banks' reserve requirement ratios (see slide 88)
 - it also cut the five-year prime loan rate (which is more relevant for property finance) by 5bp to 4.60%, the first reduction since April 2020
 - however movements in interest rates are not the primary mechanism for implementing monetary policy changes in China,
 and it will be more important to monitor trends in credit provision
- ☐ Further measures are likely to be forthcoming after December's Central Economic Work Conference (presided over by President Xi Jinping)
 - according to <u>Chinese press reports</u> the meeting agreed that "economic work should prioritize stability" in the face of "three pressures" facing the Chinese economy, namely, "demand contraction, supply shock and weakening expectations"
 - the readout of the meeting committed to "implement a proactive fiscal policy and a prudent monetary policy"
 - foreshadowed fiscal policy measures included commitments "to implement the new tax reduction and fee reduction policy, strengthen support for small and medium-sized enterprises, individual industrial and commercial households, manufacturing industry, risk mitigation, etc., and carry out infrastructure investment moderately ahead of schedule"
 - "prudent" monetary policy should be "flexible and moderate, and keep liquidity reasonable and abundant"
- ☐ The CEWC also committed to "adhere to the positioning that houses are for living in, not for speculation"
 - under which heading it committed to (inter alia) "speed up the development of long-term rental market, promote the construction of affordable housing" and to "promote the virtuous circle and healthy development of the real estate industry"



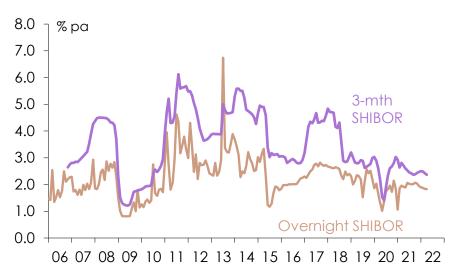
The PBoC has begun to ease monetary policy ever-so-slightly

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PBoC policy interest rates



Short-term market interest rates



Monetary aggregates



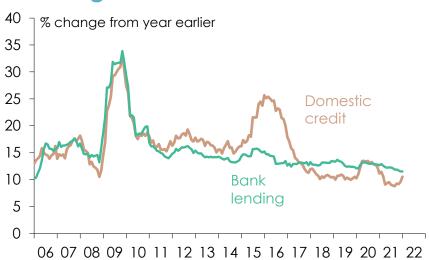
Bank reserve requirement ratios



10-year government bond yield



Credit growth

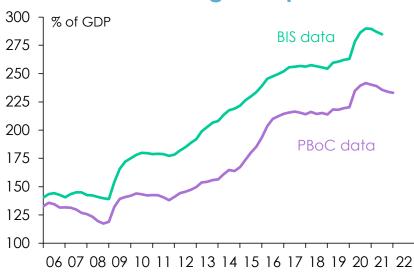




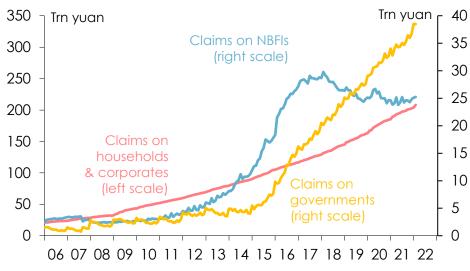
The Chinese banking system's risk profile has increased significantly over the past decade – particularly on the liabilities side of its balance sheet

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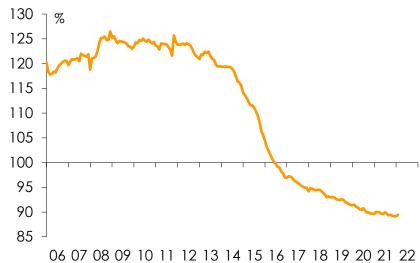
Credit outstanding as a pc of GDP



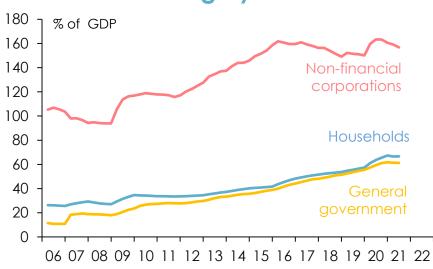
Banks' assets

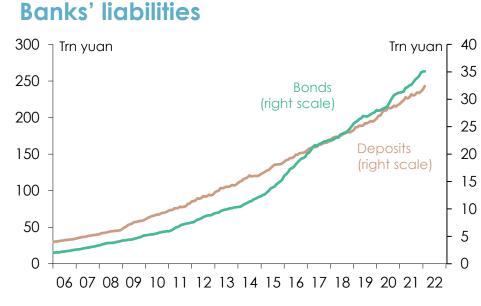


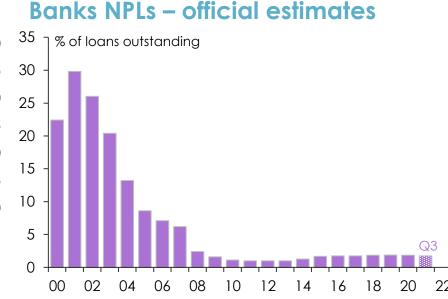
Banks' deposits-to-loans ratio



Credit outstanding by sector







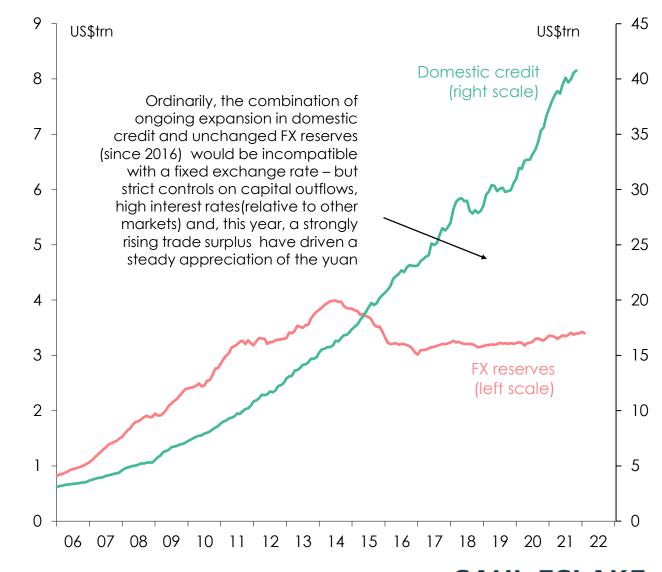
The yuan fell marginally (less than 0.1%) against the US dollar last week and so gained more than 1% in trade-weighted terms

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Chinese renminbi vs US\$ and trade-weighted index



FX reserves and domestic credit





Japan

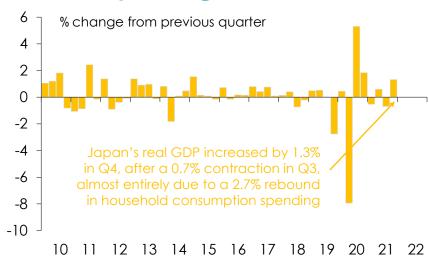
Japan's real GDP rebounded 1.3% in Q4 last year after falling in two of the three previous quarters but was still 2.9% short of its pre-pandemic peak

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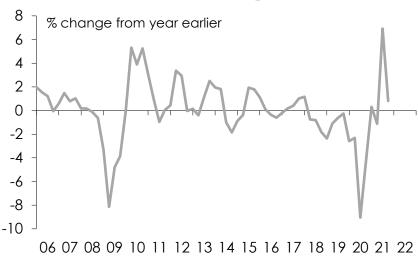
Level of real GDP



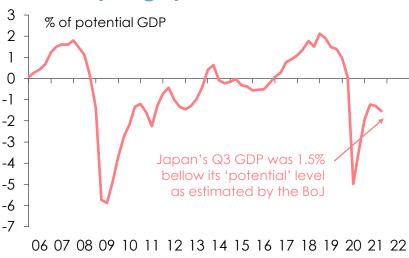
Quarterly change in real GDP



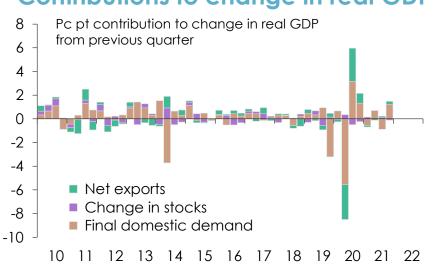
Labour productivity growth



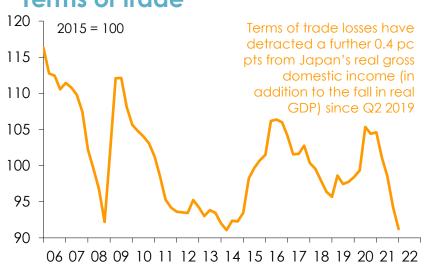
The 'output gap'



Contributions to change in real GDP



Terms of trade



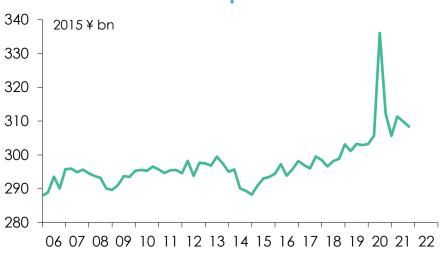
Note: the 'output gap' is the difference between actual and potential GDP (the volume of goods & services that could be produced if the economy were operating at full capacity); the 'terms of trade' is the ratio of the implicit price deflator of exports of goods & services to that of imports of goods & services – it gives an indication of the income gains or losses arising from changes in the prices of goods and services traded between the US and the rest of the world. Sources: Japan Cabinet Office, Quarterly Estimates of GDP; Bank of Japan, Output Gap and Potential Growth Rate; OECD, Main Economic Indicators, Early Estimates of Quarterly ULC Indicators. Return to "What's New".



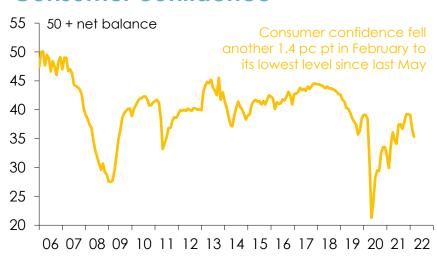
Household incomes have been supported by fiscal transfers, but much of them have been saved so household spending has remained weak

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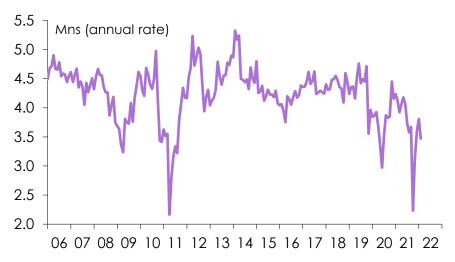
Real household disposable income



Consumer confidence



Motor vehicle sales



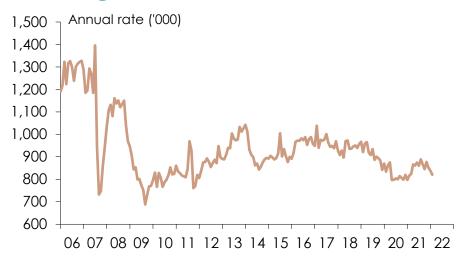
Household saving



Consumption activity index



Housing starts

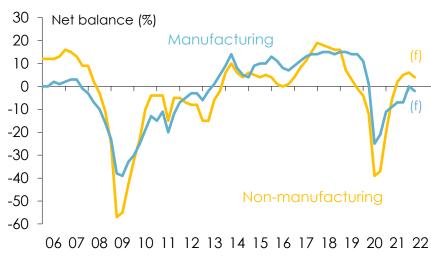




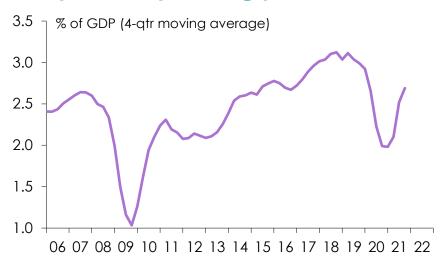
The Japanese corporate sector is reasonably healthy and business confidence is improving

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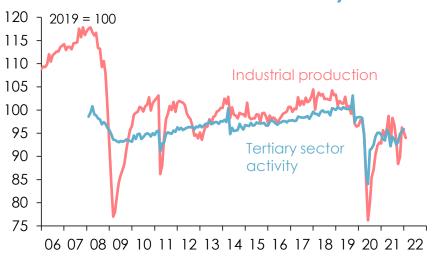
Business conditions by industry



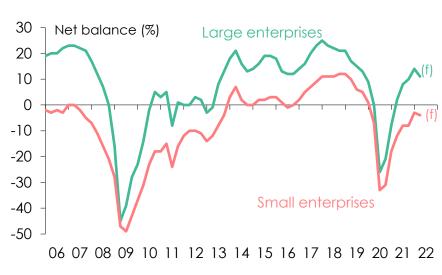
Corporate operating profits



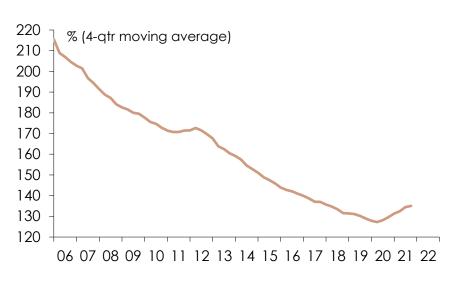
Indexes of economic activity



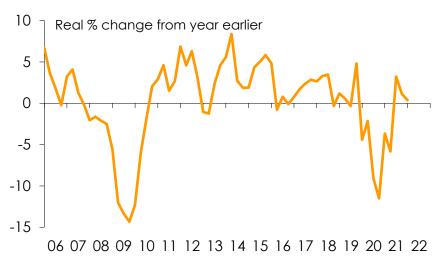
Business conditions by firm size



Corporate debt-equity ratio



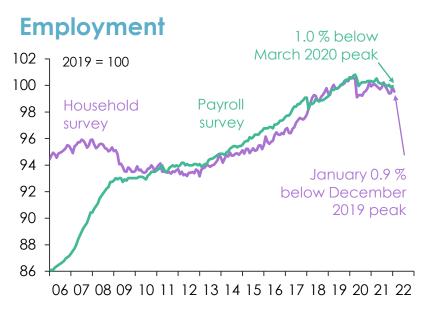
Business investment



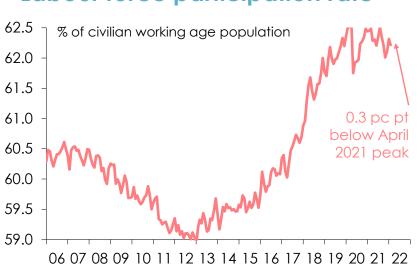


Employment in Japan is still 0.9% below its pre-pandemic peak – but wages growth has picked up and inflation though still very low is now positive

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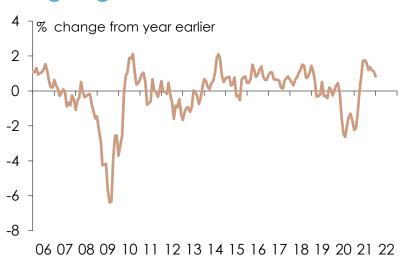
Labour force participation rate



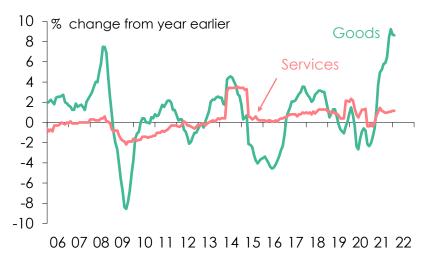
Unemployment rate



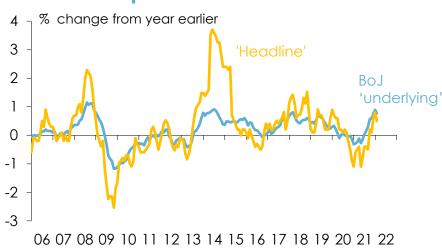
Wages growth



'Corporate' (producer) prices



Consumer prices



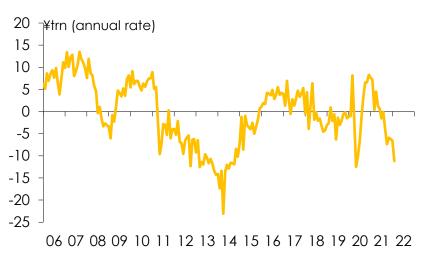


Japan's auto exports have been impacted by supply-chain difficulties, which together with higher import prices have curtailed its trade surpluses

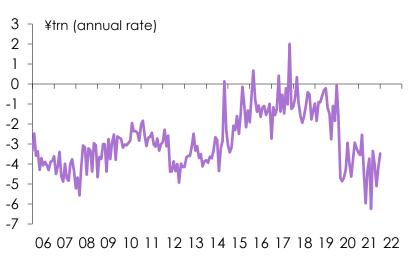
Merchandise trade volumes



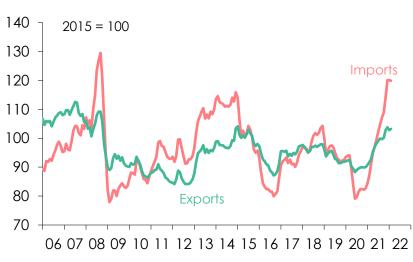
Merchandise trade balance



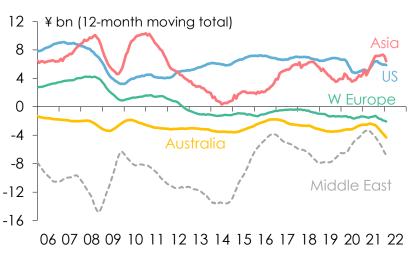
Services trade balance



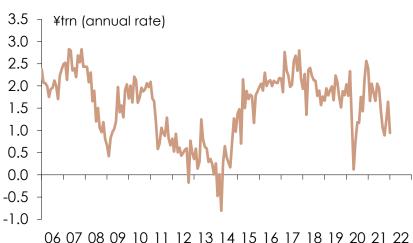
Merchandise trade prices



Bilateral goods trade balances



Current account balance





The Bank of Japan last month forcefully re-asserted its intentions to keep 10-year JGB yields below 0.25% - although it ultimately didn't need to act

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- □ Two weeks ago, the BoJ offered to buy an unlimited amount of 10-year JGBs at 0.25% in order to prevent the 10-year yield from rising above the upper bound of its Yield Curve Control target range (25 bp either side of zero) as they had seemed likely to do towards the end of the previous week
 - as it turned out yields retreated and the BoJ didn't need to buy any bonds but BoJ Governor Kuroda <u>stated</u> that the BoJ would make unlimited purchases in order to maintain the 0.25% ceiling on 10-year bonds "should something similar happen again"
 - however Kuroda-san also said that "the yield curve needs to steepen to a certain extent", and the BoJ hasn't sought to prevent 20- and 30-year yields from rising
- ☐ The BoJ's Policy Board left its policy settings unchanged (as expected) at its January Monetary Policy Meeting
 ☐ In its Monetary Policy Statement issued after the meeting the BoJ forecast that the 'output gap' (between actual and potential GDP) would turn positive "from around the first half of fiscal 2022" as the impact of Covid-19 and supply-side constraints waned, allowing a "virtuous circle from income to spending" to intensify, resulting in the Japanese economy growing "at a pace above its potential rate"
 - Policy Board members revised down their median forecast for economic growth in FY2021 (which ends on 31st March) to 2.8% (from 3.4% in October), but revised the FY2022 forecast up to 3.8% (from 2.9% previously)
- ☐ The BoJ now expects the annual rate of CPI inflation to remain "in positive territory for the time being", as a result of higher energy prices, a "moderate pass-through" of raw material cost increases "on the back of the improvement in the output gap", and dissipation of the effects of last year's cut in mobile phone charges
 - Policy Board members' median forecast for CPI (excluding fresh food) inflation for FY2021 remained unchanged at 0%, but the forecast for FY2022 was revised up slightly to 1.1% (from 0.9%)



Other East Asian economies

The IMF lowered its forecasts for GDP growth in most Asian economies in 2022 by 0.3-0.4 percentage points in its most recent (January) update

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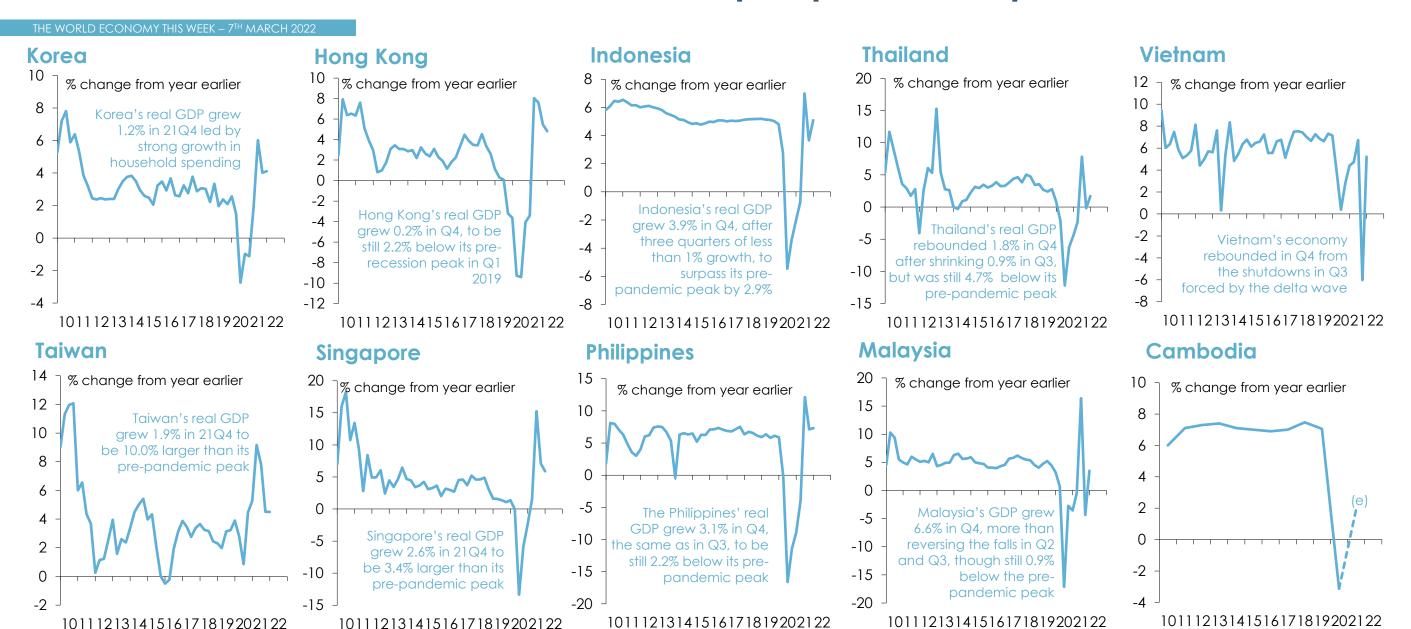
IMF and Asian Development Bank forecasts for East Asian economies

		Real GDP growth							Inflation						
	Actue	Actual		IMF)B	Actual		IMF			ADB		
	2010-19*	2020	2021	2022	2023	2021	2022	2010-19*	2020	2021	2022	2023	2021	2022	
Korea	3.3	-0.9	4.0	3.0	2.9	3.1	3.1	1.7	0.5	2.2	1.6	1.6	2.3	1.9	
Taiwan	3.6	3.1	5.9	3.3	2.6	6.2	3.0	1.0	-0.2	1.6	1.5	1.4	2.0	1.1	
Hong Kong	2.8	-6.1	6.4	3.5	3.1	6.4	3.4	3.3	0.3	1.9	2.1	2.3	1.5	2.0	
Singapore	4.9	-5.4	6.0	3.2	2.7	6.9	4.1	1.6	-0.2	1.6	1.5	1.5	2.0	1.4	
Indonesia	5.4	-2.1	3.3	5.6	6.0	3.5	5.0	4.7	2.0	1.6	2.8	3.2	1.5	2.7	
Philippines	6.4	-9.6	4.6	6.3	6.9	5.1	6.0	3.0	2.6	4.3	3.0	3.0	4.4	3.7	
Thailand	3.6	-6.1	1.3	4.1	4.7	1.0	4.0	1.6	-0.8	0.9	1.3	1.1	1.1	1.4	
Malaysia	5.4	-5.6	3.5	5.7	5.7	3.8	5.9	2.1	-1.1	2.5	2.0	2.0	1.5	2.7	
Vietnam	6.5	2.9	3.8	6.6	6.8	2.0	6.5	6.0	3.2	2.0	2.3	3.2	2.2	3.8	
Cambodia	7.0	-3.1	1.9	5.7	6.4	1.9	5.5	3.1	2.9	2.5	3.2	3.0	2.9	2.7	
Laos	7.1	-0.4	2.1	4.2	4.5	2.3	4.0	3.7	5.1	4.9	3.7	3.1	3.7	4.5	
Myanmar	3.1	-8.0	-17.9	-0.1	2.5	-18.4	na	6.1	5.7	4.1	6.5	6.8	6.2	na	

Note: * Pc per annum. Sources: International Monetary Fund (IMF), World Economic Outlook Update, 25th January 2022; Asian Development Bank, Asian Development Outlook Supplement, December 2021. IMF forecasts for GDP growth in Taiwan, Singapore, Vietnam, Cambodia, Laos and Myanmar, and all its inflation forecasts, are from the World Economic Outlook published in October 2021; and ADB forecasts for Cambodia, Laos and Myanmar are from the Developing Asia Outlook published in September 2021. Return to "What's New".



Thailand's economy grew 1.8% in Q4, more than reversing a 0.9% decline in Q3, but was still 4.7% smaller than at its pre-pandemic peak

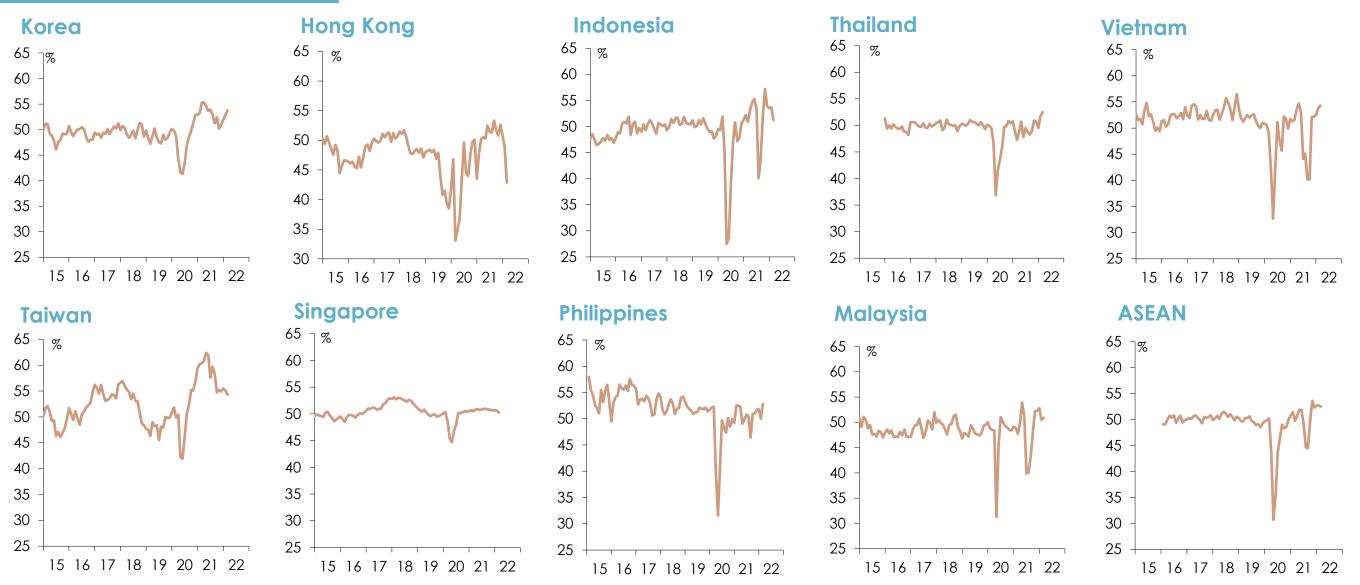


Sources: Bank of Korea; Taiwan Directorate-General of Budget, Accounting & Statistics; Hong Kong Census & Statistics Department; Singapore Ministry of Trade and Industry; Department of Statistics Malaysia; Office of the National Economic & Social Development Council of Thailand; Statistics Indonesia; Philippine Statistics Authority; General Statistics Office of Viet Nam; Cambodia National Institute of Statistics; OECD and IMF. Return to "What's New".



February PMIs paint a mixed picture of manufacturing activity across Asia with Korea, Thailand, Philippines and Malaysia up, others down

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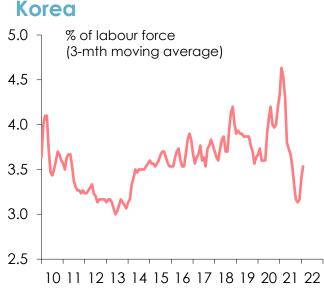


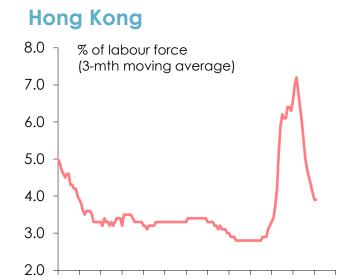
Note: Purchasing Managers' Indexes (PMIs) are derived from surveys of senior executives, who are asked to report whether various dimensions of business activity recorded an increase, decrease or no change compared with the previous month. A reading of 50 indicates an overall increase cf. the previous month, and a reading of less than 50 indicates a decrease. Surveys are for manufacturing sector only, except for Hong Kong which is 'whole economy'. Latest data are for February. Sources: IHS Markit; Singapore Institute of Purchasing and Materials Management: Refinitiv Datastream. Return to "What's New".



Unemployment rose sharply in most Asian economies last year but is now falling in most of them – with the conspicuous exception of Thailand

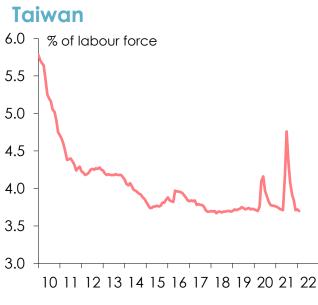
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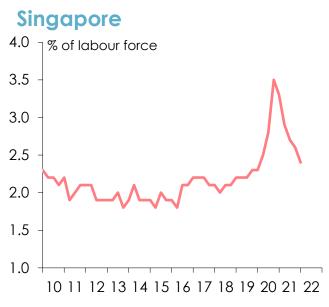






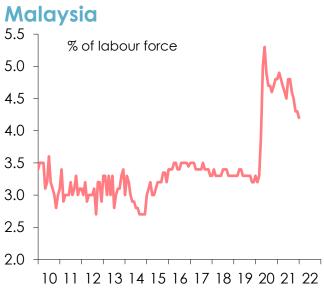






10 11 12 13 14 15 16 17 18 19 20 21 22

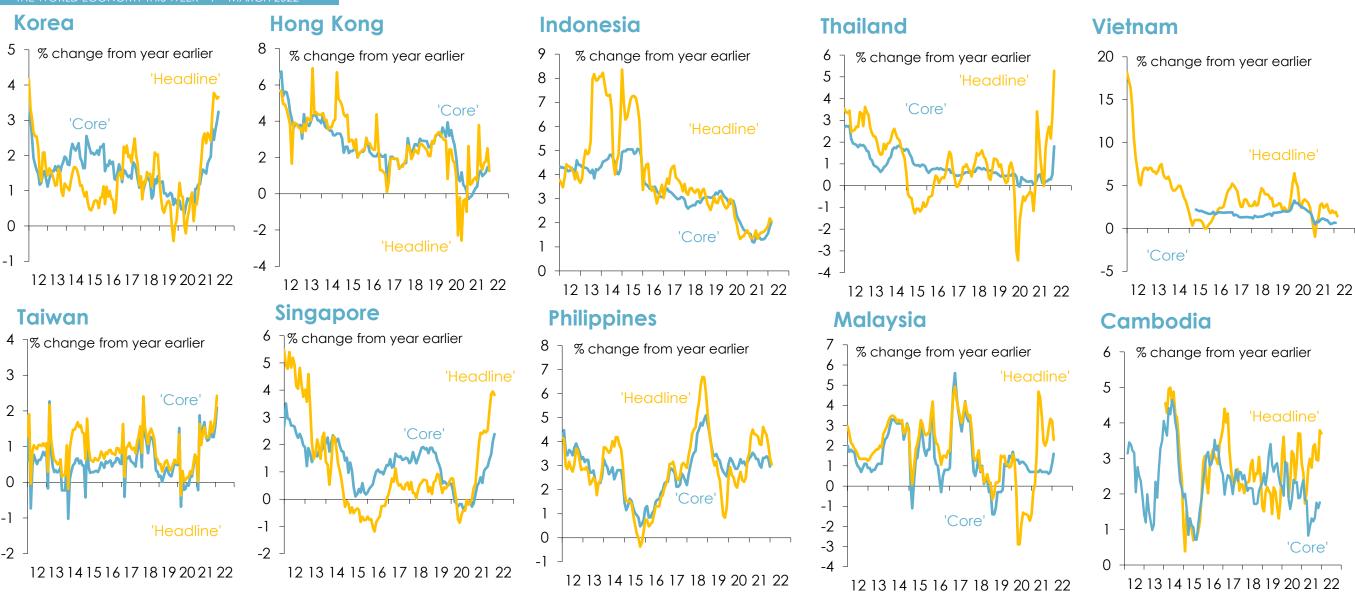






Korea's 'core' inflation rate reached 3.2% in February, which will worry the BoK, while Indonesia's rose to 2.1%, which won't concern BI

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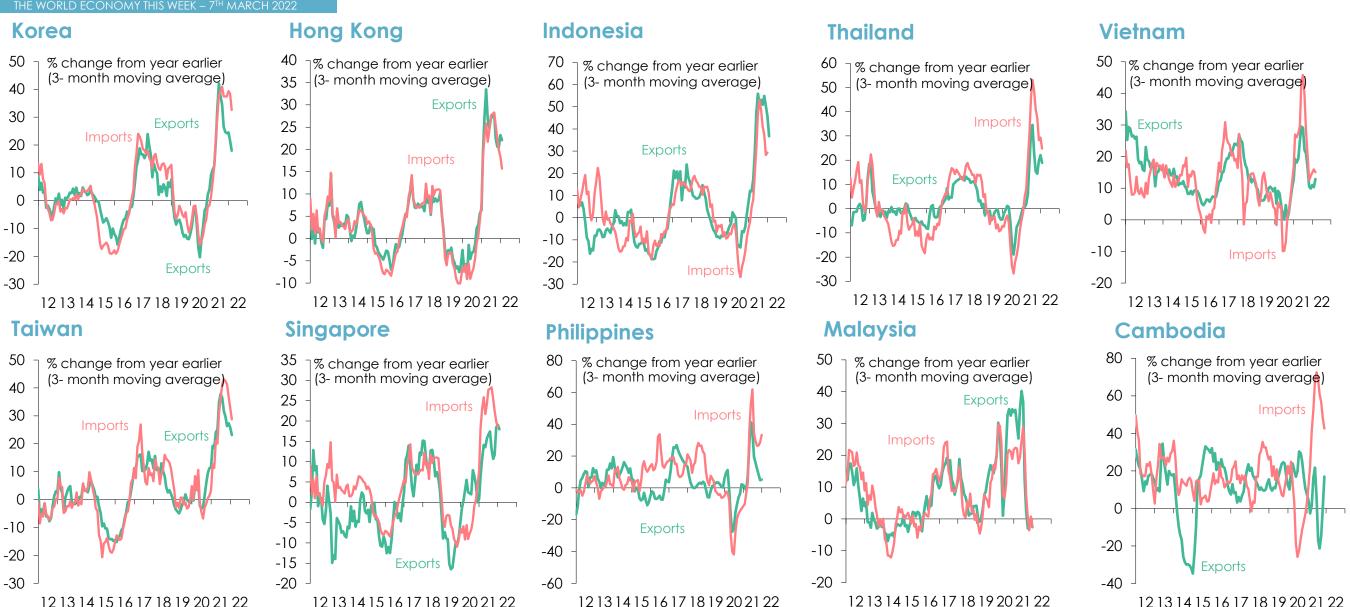


Note: 'Core' inflation in Korea excludes agricultural products and oil; in Taiwan it excludes fresh fruit, vegetables and energy; in Singapore it excludes accommodation and private transport; and in Hong Kong it excludes the effect of 'one-off government relief measures. 'Core' inflation in Indonesia excludes 'volatile foods' and changes in 'administered prices' (such as fuel subsidies, transport fares and electricity prices); in the Philippines it excludes rice, corn, meat, fish, cultivated vegetables and fuels; in Thailand it excludes fresh or raw food and energy; in Malaysia it excludes fresh food and 'administered' prices; in Vietnam it excludes 'volatile items'; and in Cambodia it excludes food, non-alcoholic beverages and oil products. Sources: national statistical agencies and central banks. Return to "What's New".



Asian exports are recovering from the Covid-induced slump – although 'base effects' from this time last year are inflating the growth

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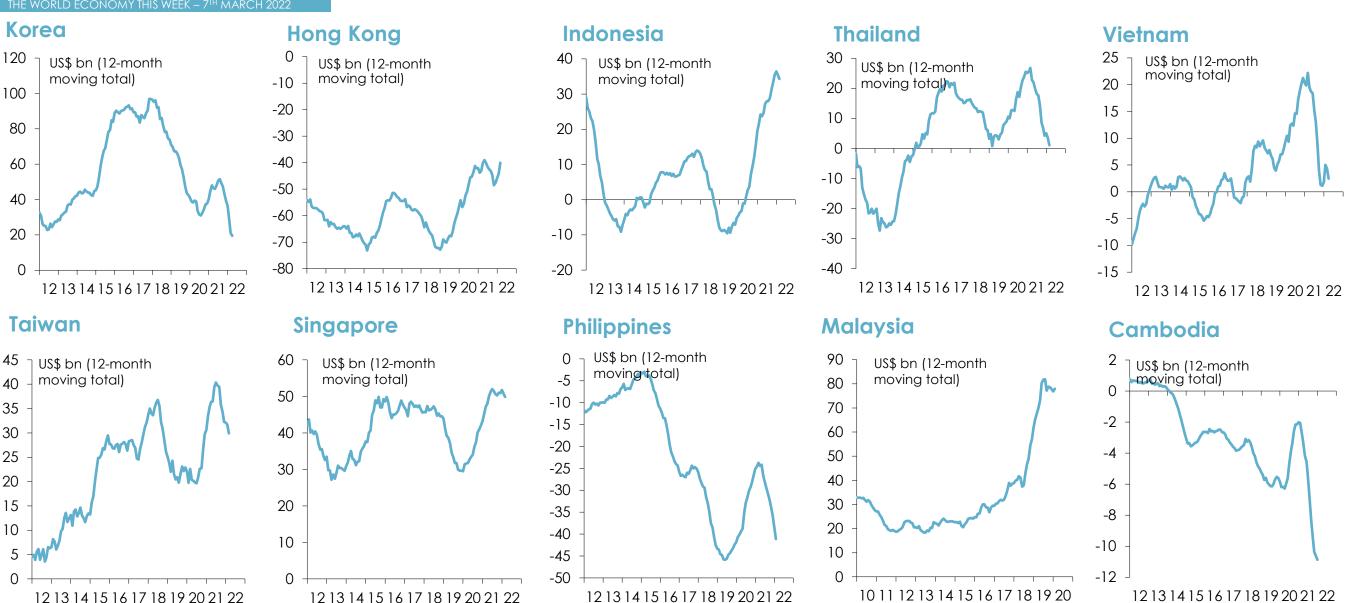


Note: Data for Hong Kong, Singapore and Malaysia are published in national currencies and converted to US dollars by Corinna using month-average exchange rates. Sources: national statistical agencies and central banks. Return to "What's New".



Most Asian economies – except for Indonesia, Malaysia and Singapore – experienced a deterioration in their trade balances during 2021

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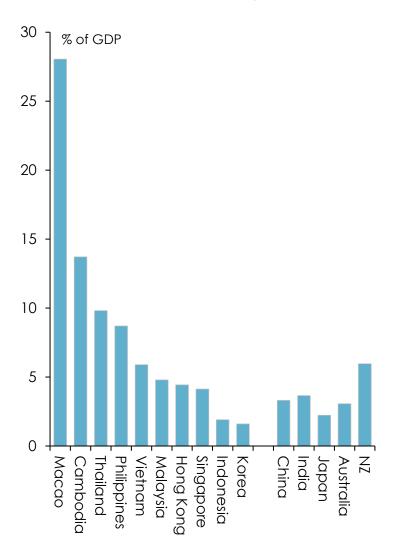
Note: Data for Hong Kong, Singapore and Malaysia are published in national currencies and converted to US dollars by Corinna using month-average exchange rates. Sources: national statistical agencies and central banks. Return to "What's New".



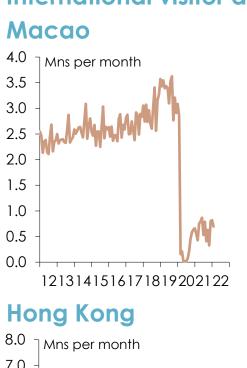
Many Asian economies, particularly Macao, Thailand, the Philippines and Hong Kong, have been hard hit by the demise of international tourism

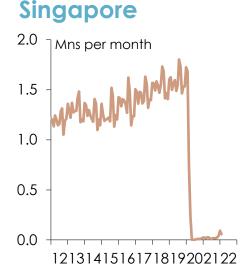
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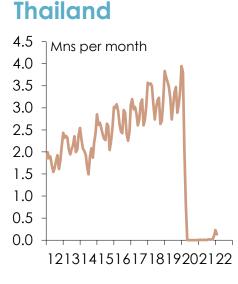
International tourism direct contribution to GDP, 2018

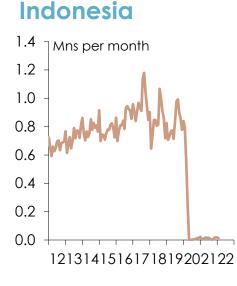


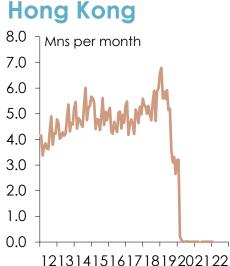
International visitor arrivals

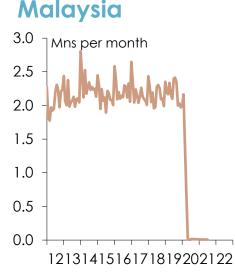


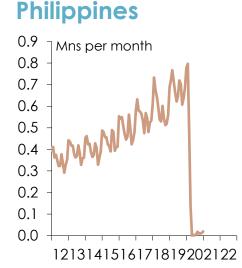


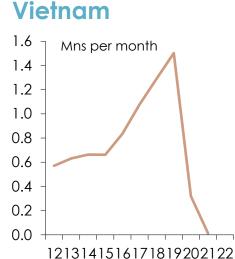








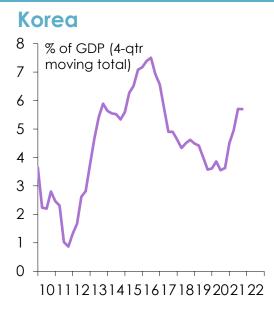




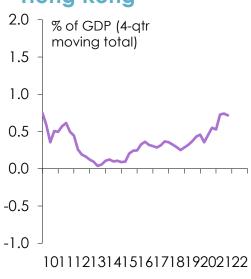


The more 'advanced' Asian economies have strong current account positions, Indonesia's is much improved but others have deteriorated

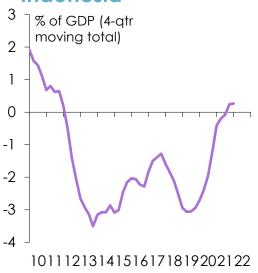
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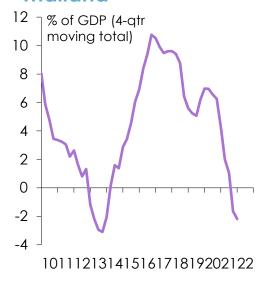
Hong Kong



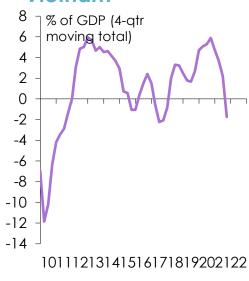
Indonesia



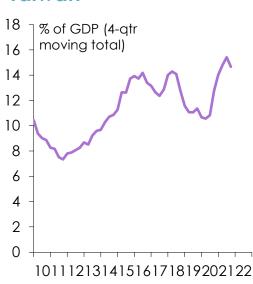
Thailand



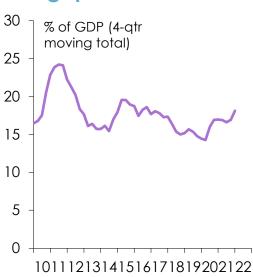
Vietnam



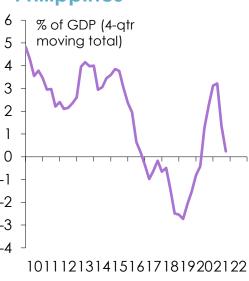
Taiwan



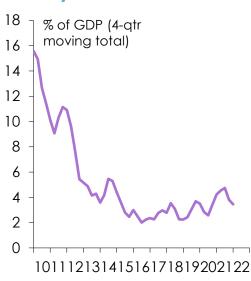
Singapore



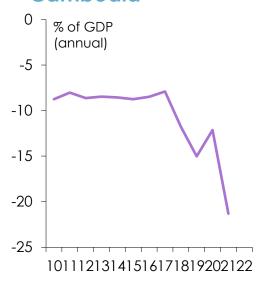
Philippines



Malaysia

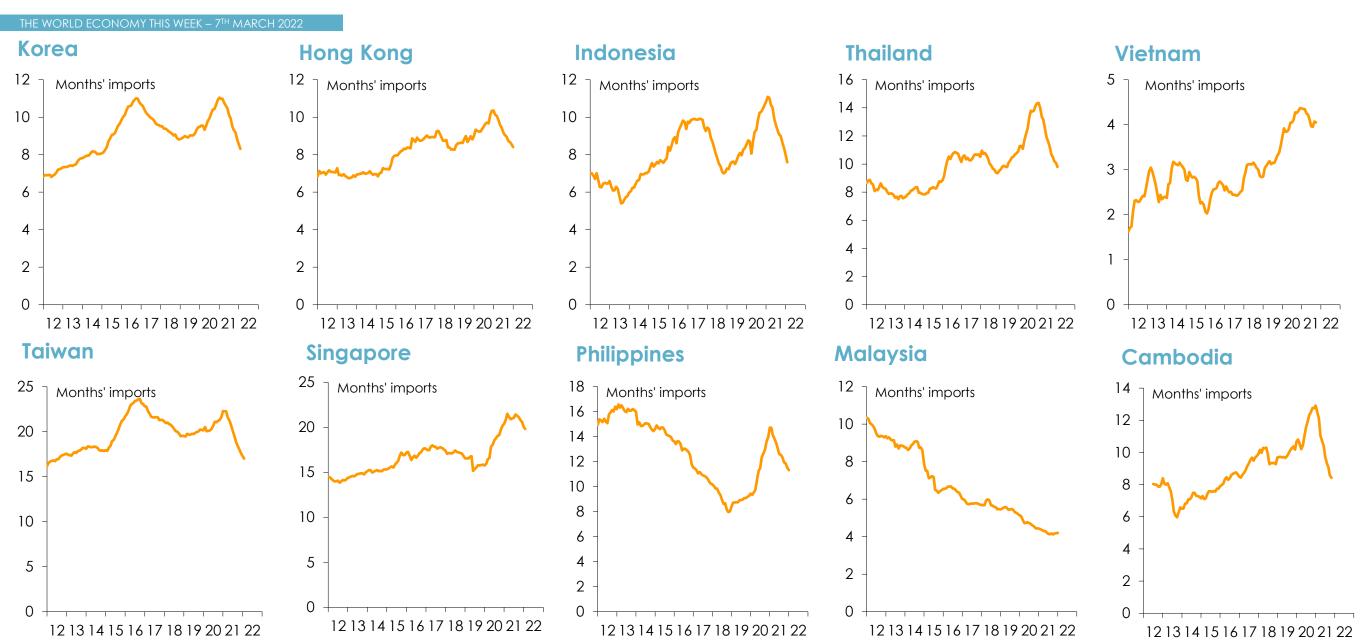


Cambodia





Most Asian economies have sought to maintain high levels of FX reserves since the 1997-98 crisis – although Malaysia's have deteriorated recently



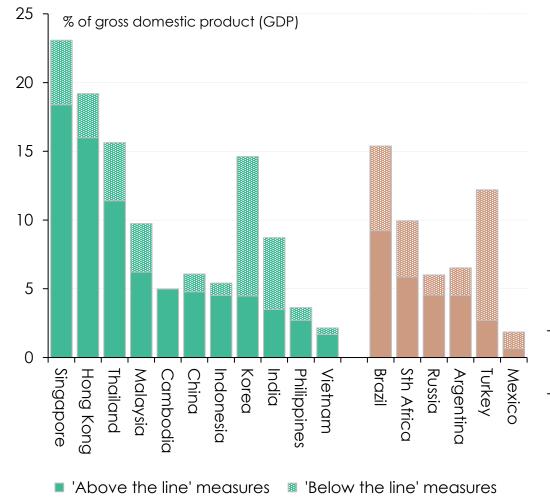
SAUL ESLAKE

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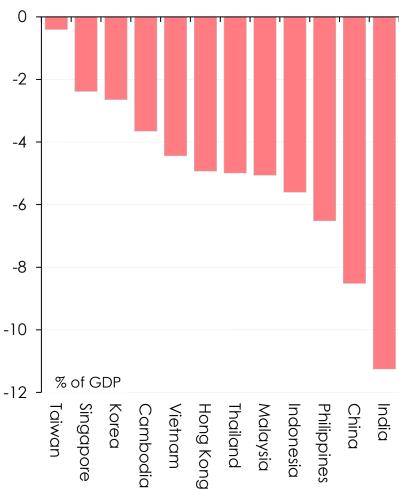
Apart from Singapore, Hong Kong and Thailand, Asian governments' discretionary fiscal responses to Covid-19 have been relatively modest

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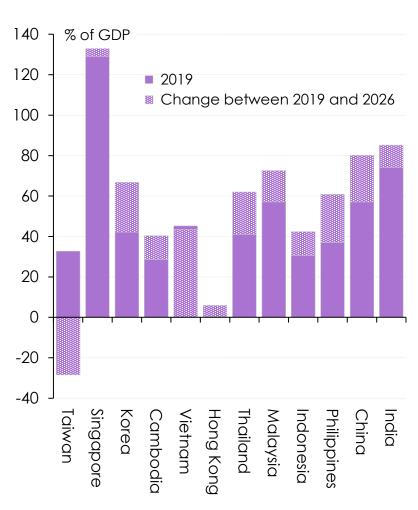




Budget balances – Asian economies 2020-2022



Gross government debt – Asian economies 2019-26

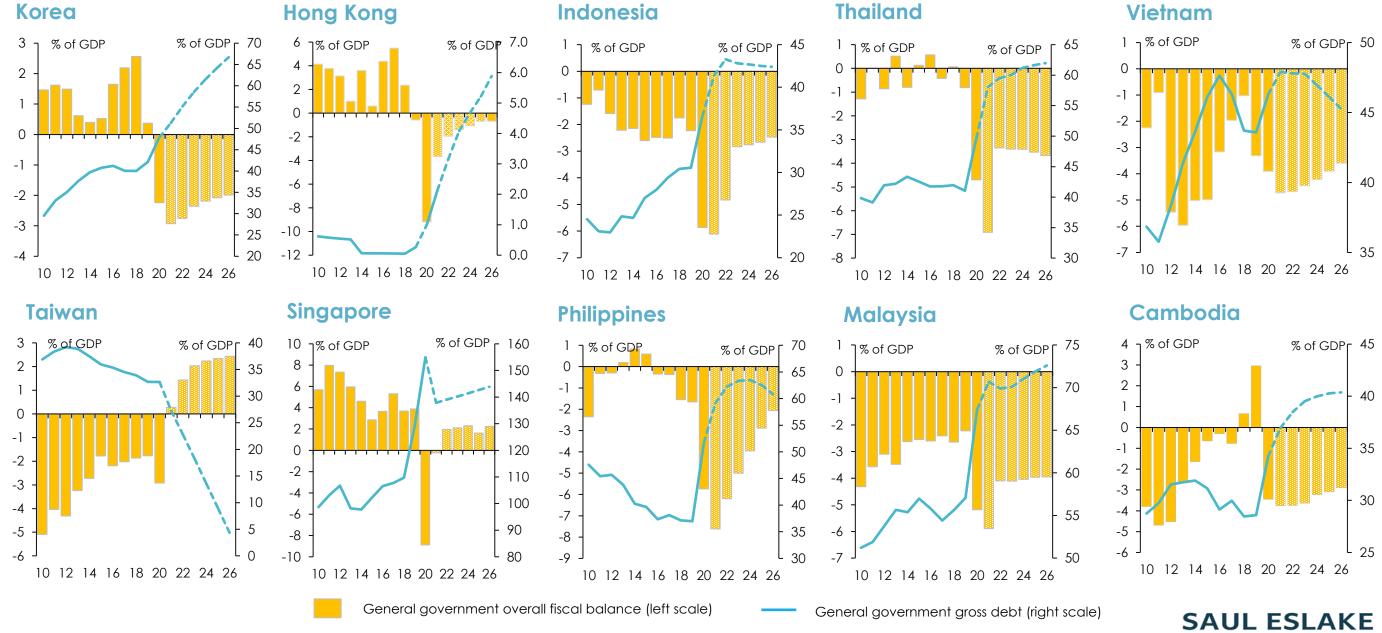


Note: 'Above the line' measures comprise additional or accelerated spending and deferred or foregone revenue. 'Below the line' measures comprise equity injections, loans, asset purchases and debt assumptions, but do not include loan guarantees or other contingent liabilities. 'DMs' means 'developed markets' (or 'advanced economies'). Data includes measures announced up until 27th September 2021. Singapore's apparently very large gross debt is offset by substantial financial asset holdings. Taiwan's gross debt is projected to decline as a percentage of GDP between 2019 and 2026. Sources: IMF, <u>Fiscal Monitor Database of Country Fiscal Measures in Response to the COVID-19 Pandemic</u>, October 2021; and <u>Fiscal Monitor</u>, October 2021. Return to "What's New".



Asian governments, except for Taiwan, Singapore and Hong Kong, will be running large budget deficits for the next five years

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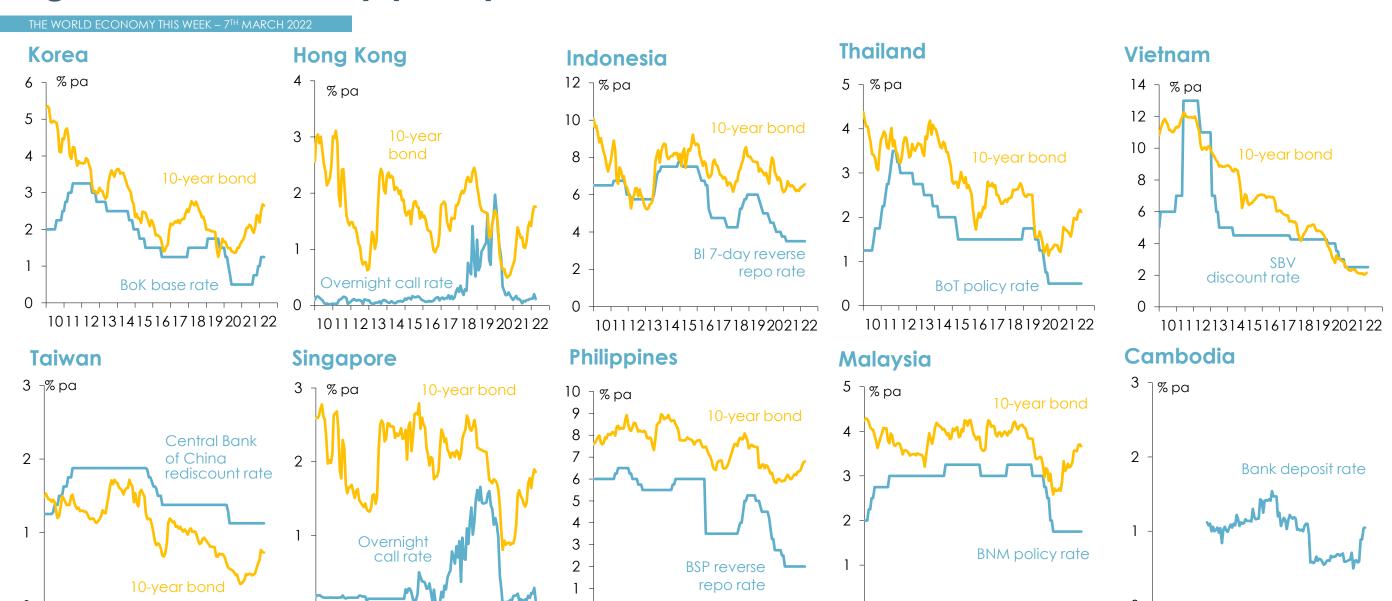
Bank Negara Malaysia left its monetary policy settings unchanged at last week's Monetary Policy Committee meeting

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Bank Negara Malaysia left its overnight policy rate unchanged at 1.75%, at its Monetary Policy Committee meeting on 4 th March
 in its <u>Monetary Policy Statement</u> BNM assessed that "risks to the economic outlook remain tilted to the downside" due to "external and domestic factors" including global growth, "ongoing geopolitical conflicts", supply chain disruptions and Covid-19
 and that core inflation would "remain modest", with upside risks "contained by the continued slack in the economy and labour market"
The <u>Bank of Korea</u> left its base rate unchanged at 1.25% at its Monetary Policy Board meeting on 24 th February — the BoK had previously raised its base rate by 25 bp in August, November and January (ie by a total of 75bp)

- In its <u>post-meeting statement</u> the BoK forecast that 'headline' inflation would run "substantially above 3% for a considerable time" and that 'core' inflation would rise to the "mid-2% level" (cf. its target of 2%), and also noted that "inflation expectations of the general public have run at the mid- to upper-2% level"
 - it also noted, approvingly, that "the increase in house prices has moderated in all parts of the country"
 - nonetheless it indicated that it will "appropriately adjust the degree of monetary policy accommodation" as the economy continues its "sound growth" and inflation "run[s] above the target level for a considerable period of time"
- Apart from the <u>Monetary Authority of Singapore</u>, which has tightened its monetary policy twice, via (as is its practice) the (managed) exchange rate, in October and (in an "unscheduled announcement") in January, no other Asian central banks have indicated any intention to begin tightening monetary policy any time soon
- □ Upcoming Asian central bank meetings are Central Bank of Sri Lanka and State Bank of Pakistan on 8th March; Bank Indonesia and Central Bank of China (Taiwan) on 17th March; Bangko Sentral ng Pilipinas on 24th March; and Bank of Thailand on 30th March

The BoK and the MAS are, so far, the only Asian central banks to have tightened monetary policy – none of the others seems inclined to follow

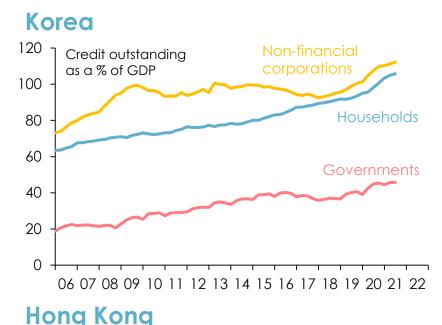


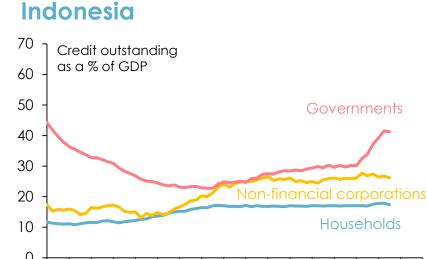
Note: Neither Hong Kong nor Singapore use a monetary policy indicator interest rate. Hong Kong has a currency board system, so HK interest rates track US rates very closely; the Monetary Authority of Singapore uses the (effective) exchange rate as its principal monetary policy instrument. Data are monthly averages up to 5th March 2022. Sources: national central banks; Refinitiv Datastream. Return to "What's New".

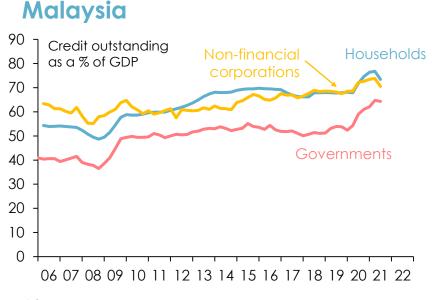


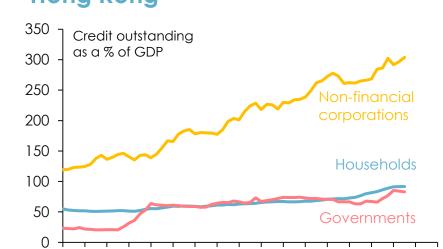
In Asia, Hong Kong, Singaporean and Korean corporates, and Korean households, have the greatest exposure to any increases in interest rates

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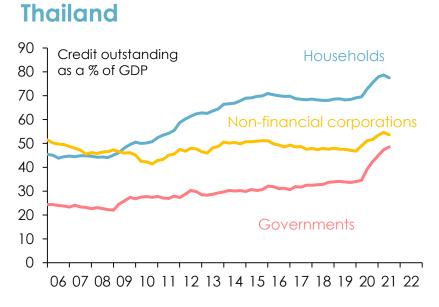




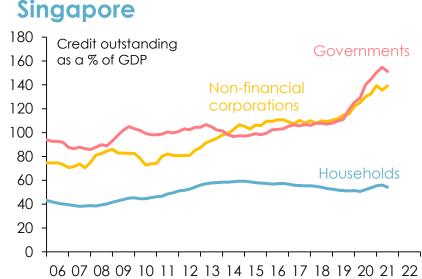




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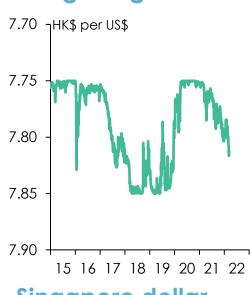
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Asian currencies – with the exception of the ringgit – fell against a stronger US dollar last week, with the won down 1% and the peso down 34%



Hong Kong dollar



Indonesian rupiah



Thai baht



Vietnamese dona





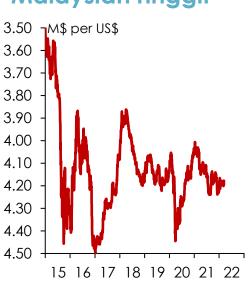
Singapore dollar



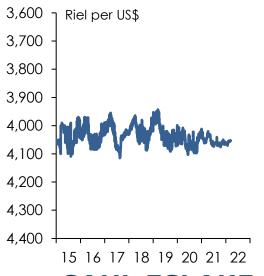
Philippine peso



Malaysian ringgit



Cambodian riel





Asian stock markets were mixed last week with HK down $3\frac{1}{2}$ and Singapore down 2%, but Manila was up $1\frac{3}{4}\%$ and Seoul $1\frac{1}{2}\%$

THE WORLD ECONOMY THIS WEEK – 7TH MARCH 2022 **Hang Seng Index KOSPI** JCI SETI 3,500 36,000 4 Jan 1980 = 100 31 July 1964 = 100 7,500 1,900 30 April 1975 = 100 10 August 1982 = 100 34,000 1,800 7,000 3,000 32,000 1,700 6,500 30,000 1,600 2,500 6,000 28,000 1,500 26,000 5,500 1,400 2,000 24,000 5,000 1,300 22,000 4,500 1,500 1,200 20,000 4,000 18,000 1,100 1.000 16,000 1,000 3,500 15 16 17 18 19 20 21 22 16 18 19 20 21 22 16 17 18 19 20 21 22 16 17 18 19 20 21 22 **Straits Times Index TAIEX PSE** i **KLCI** 20,000 3,750 1966 = 100 15 September 1966 = 100 9,500 2,000 28 February 1990 = 1022 4 April 1986 = 100 9,000 18,000 3,500 1,900 8,500 1,800 16,000 3,250 8,000 1,700 7,500 14,000 3,000 7,000 1,600 12,000 2,750 6,500 1,500 10,000 2,500 6,000 1,400 5,500 8,000 2,250 1,300 5,000 6.000 2.000 4.500 1,200 16 17 18 20 21 22 19 15 16 17 18 19 20 21 22 17 18 19 20 21 22 16 15 16 17 18 19 20 21 22

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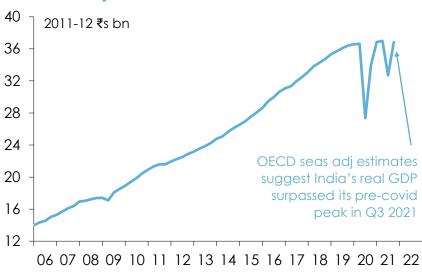
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India

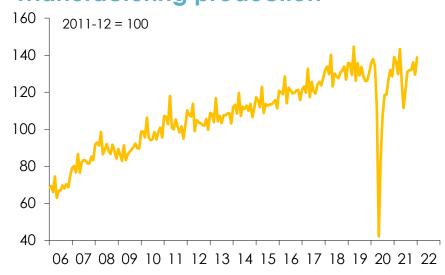
India's economy is recovering from two waves of virus-induced contractions in Q2 2020 and Q2 2021

THE WORLD ECONOMY THIS WEEK – 7th MARCH 2022

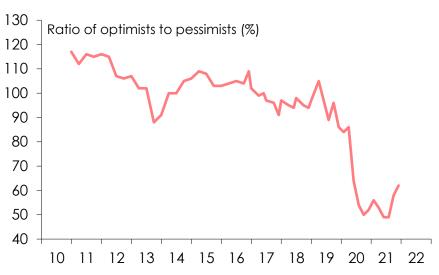
Quarterly real GDP



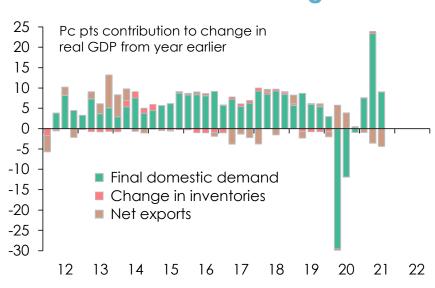
Manufacturing production



Consumer confidence



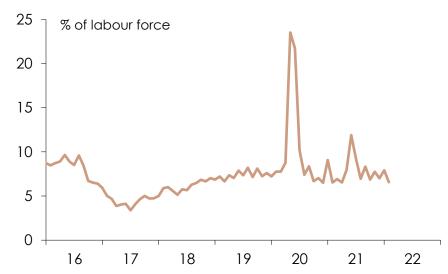
Contributions to real GDP growth



Industrial sector sentiment



Unemployment rate



Sources: OECD, Quarterly National Accounts dataset; Government of India, Ministry of Statistics and Programme Implementation, National Accounts Data, and IIP Data; Reserve Bank of India, Quarterly Industrial Outlook Survey and Consumer Confidence Survey Bi-Monthly; Centre for Monitoring the Indian Economy, Unemployment Rate in India. Return to "What's New".

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India's merchandise trade deficit has deteriorated sharply due to higher oil prices but its overall external position remains relatively stable

THE WORLD ECONOMY THIS WEEK - 7TH MARCH 2022

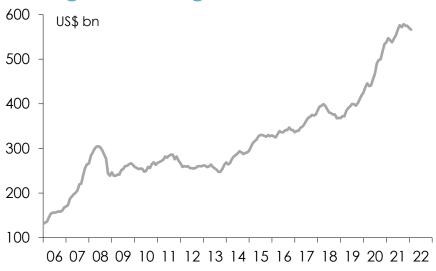
Merchandise exports and imports



Services trade balance



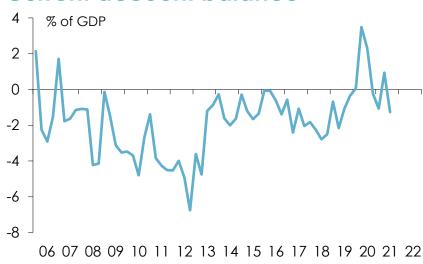
Foreign exchange reserves



Merchandise trade balance



Current account balance



Rupee vs US dollar

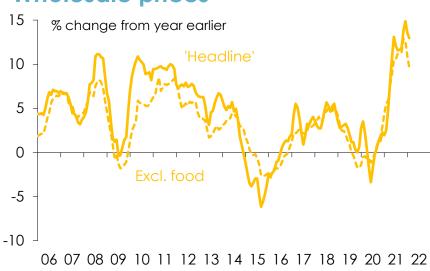




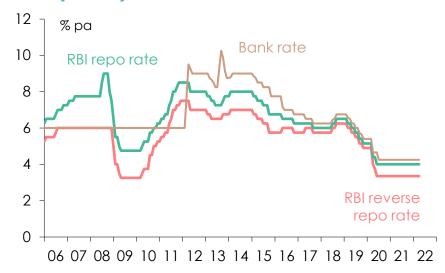
The annual inflation rate rose to 6.0% in January, right at the top of the RBI's target range

THE WORLD ECONOMY THIS WEEK - 7TH MARCH 2022

Wholesale prices



RBI policy interest rates



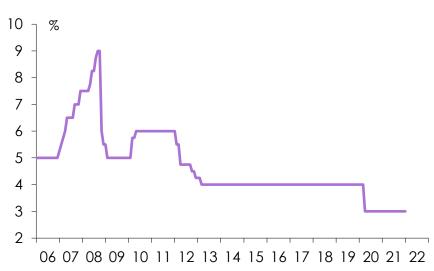
Bank lending



Consumer prices



RBI cash reserve ratio



Central government fiscal balance



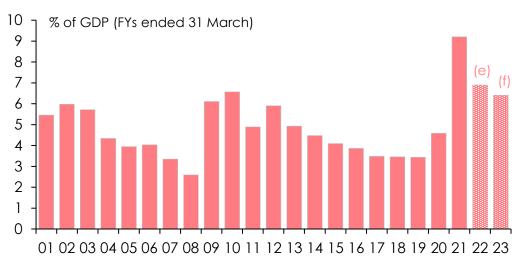




India's 2022-23 Budget, presented last month, maintains a deficit of over 6% of GDP in order to fund another large increase in capital spending

THE WORLD ECONOMY THIS WEEK - 7TH MARCH 2022

Central government fiscal deficit



Central government gross debt



- ☐ Finance Minister Nirmala Sitharaman presented the Modi Government's 2022-23 Budget on Wednesday, 2nd February
- The main feature of the 2022-23 Budget is a projected 35.4% increase in capital outlays, which following an estimated 34.5% increase in FY 2021-22 will take total capital spending to ₹7.5 trn (2.9% of projected GDP) in FY 2022-23, more than double the level of capital spending in FY 2019-20
 - the <u>PM Gati Shakti</u> plan emphasizes roads, railways, airports, ports, ass transport, waterways, and logistics infrastructure
 - according to Ms Sitharaman's Budget Speech, "the virtuous cycle of investment requires public investment to crowd-in private investment", and "public investment must continue to take the lead and pump-prime the private investment and demand in 2022-23"
- ☐ The Budget included some protectionist measures, in particular the phasing out of customs duty exemptions for a range of capital goods, items used in major mining and infrastructure projects and "items which are or can be manufactured in India"
- The 'revenue deficit' (which excludes capital spending) is forecast to decline to 3.8% of GDP in FY 2022-23, from 4.7% of GDP in 2021-22 and 7.3% of GDP in 2021-22 but, reflecting the increase in capital spending, the overall fiscal deficit will decline more modestly, to 6.4% of GDP in 2022-23 from 6.9% of GDP in 2021-22 and 9.2% of GDP in 2020-21
- ☐ Gross central government debt is forecast to rise to 60.2% of GDP by the end of FY 2022-23, from 59.9% of GDP at the end of the current fiscal year

Canada, Australia and New Zealand

The Bank of Canada lifted its policy rate, for the first time since October 2018, last week, while the Reserve Bank of Australia again held back

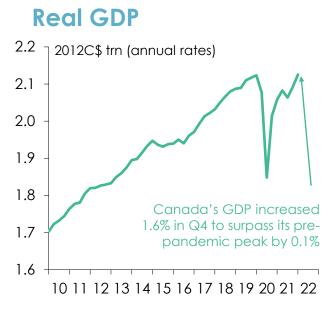
THE WORLD ECONOMY THIS WEEK – 7TH MARCH 2022

- ☐ The Bank of Canada lifted its policy rate by 25bp, to 0.5%, at last Wednesday's Governing Council meeting
 - the decision followed stronger-than-expected growth in Canada's economy in Q4 last year (reported Tuesday), and inflation "well above the Bank's target range" and "expected to be higher in the near term than projected in January", according to the Bank's <u>post-meeting press release</u>
 - the BoC "expects interest rates will need to rise further" in order to return inflation to the 2% target, and it also indicated that it would be "considering when ... to allow its holdings of government bonds to begin to shrink", noting that "the resulting quantitative tightening (QT) would complement increases in the policy rate"
- ☐ The Reserve Bank of Australia again left its cash rate unchanged at 0.25% at its Board meeting last Tuesday
 - in his <u>post-meeting statement</u> RBA Governor Philip Lowe acknowledged that inflation "had picked up more quickly than expected", but again emphasized that "it remains lower than in many other countries" and that "it was too early to conclude that it is sustainably within the [RBA's 2-3%] target range", especially given that wages growth is "only around the levels prevailing before the pandemic"
 - Governor Lowe again re-iterated the Board's preparedness "to be patient" before beginning to lift interest rates
- ☐ The Reserve Bank of New Zealand raised its official cash rate another 25bp, to 1.0%, at its Monetary Policy Committee meeting on 23rd February, the third such increase since November last year (slide 125)
 - It contemplated raising the OCR by 50bp, but in what the <u>summary record of the meeting</u> described as a 'finely balanced decision', opted for a 25 bp increase after noting that rates had "already increased significantly late last year and are expected to continue rising", and being "conscious of broader uncertainty in the midst of the current omicron wave"
 - in the accompanying <u>Monetary Policy Statement</u>, it foreshadowed further tightening, with the OCR expected to peak in 2024 to 3.35% (from 2.60% in the November MPS)
 - the RBNZ also decided to reduce the size of its bond holdings over time, by not re-investing the proceeds of upcoming maturities, and by selling bonds back to the Government's Debt Management Office at the rate of \$NZ5bn pa

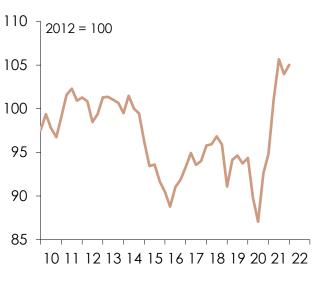
 SAUL ESI

Canada's economy regained its pre-pandemic level of economic activity in Q4 last year, and the Bank of Canada lifted its policy rate by 25 bp

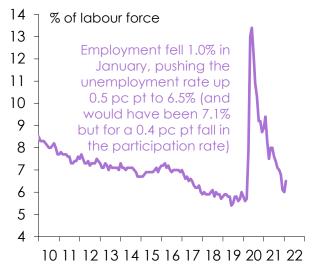
THE WORLD ECONOMY THIS WEEK - 7TH MARCH 2022



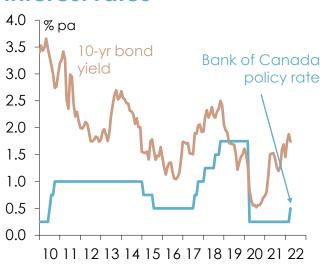
Terms of trade



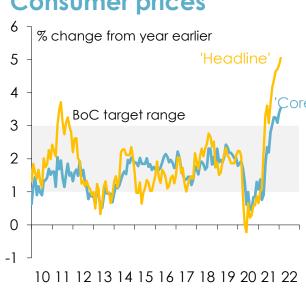
Unemployment



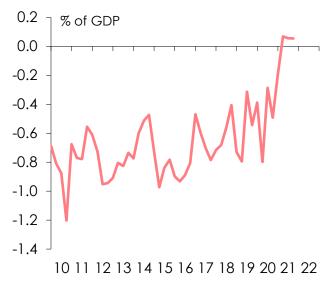
Interest rates



Consumer prices



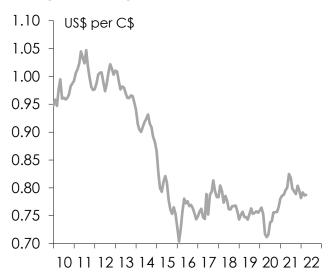
Current account balance



Government net lending



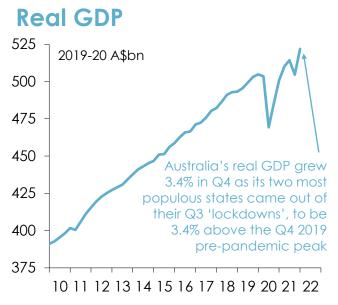
C\$ vs US\$



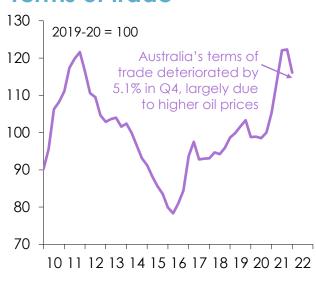


Australia's economy rebounded by 3.4% in Q4 2021 as its most populous states came out of Q3 lockdowns

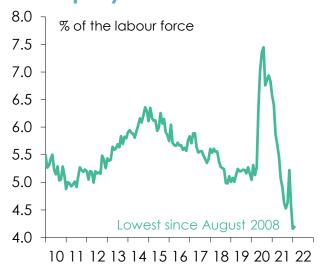
THE WORLD ECONOMY THIS WEEK - 7TH MARCH 2022



Terms of trade



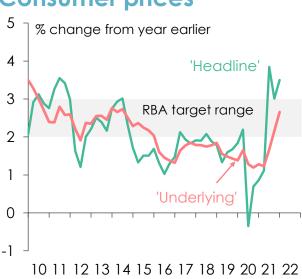
Unemployment



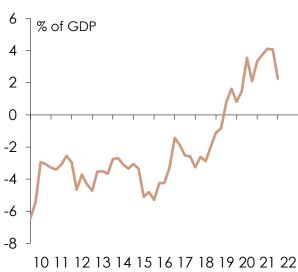
Interest rates



Consumer prices



Current account balance



Government net lending



A\$ vs US\$



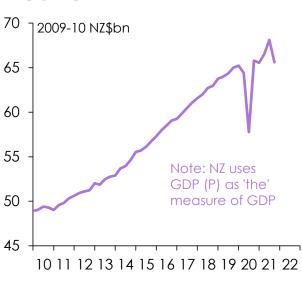
Note: The measure of 'underlying' inflation shown here is the trimmed mean. Sources: Australian Bureau of Statistics, <u>Australian National Accounts: National Income, Expenditure and Product; Consumer Price Index; Balance of Payments and International Investment Position; Labour Force; Australian National Accounts: Finance and Wealth; Reserve Bank of Australia, <u>Monetary Policy Changes</u>; Refinitiv Datastream. For more detailed coverage of Australia see <u>The Australian Economy this Week</u>. <u>Return to "What's New"</u>.</u>



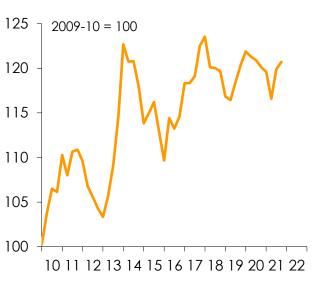
The Reserve Bank of New Zealand raised its cash rate another 25bp, the third consecutive increase, and foreshadowed more to come

THE WORLD ECONOMY THIS WEEK - 7TH MARCH 2022

Real GDP



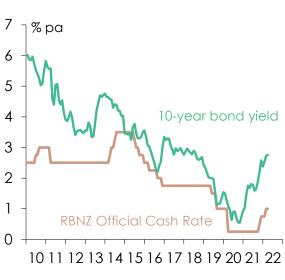
Terms of trade



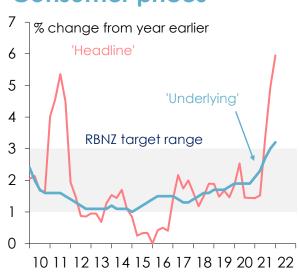
Unemployment



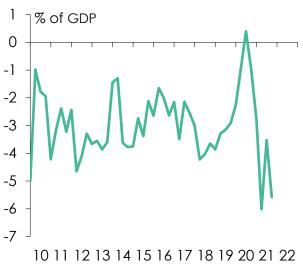
Interest rates



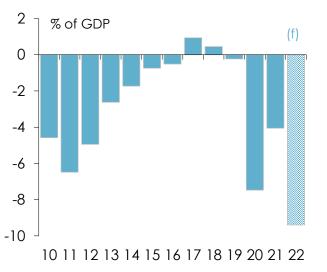
Consumer prices



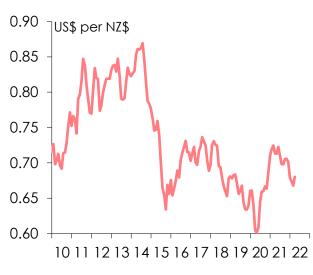
Current account balance



Government cash balance



NZ\$ vs US\$







The rest of the world

Central banks in Hungary and Paraguay raised their policy rates again last month, in line with moves by the central banks of their larger neighbours

THE WORLD ECONOMY THIS WEEK – 7TH MARCH 2022

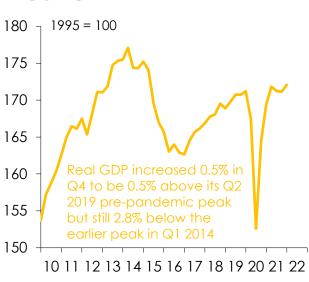
- Magyar Nemzeti Bank (Hungary's central bank) raised its base rate another 50bp to 3.40% at its Monetary Council meeting on 22nd February
 - this is the ninth increase since June last year, bringing the cumulative increase in the base rate to 280 bp (slide 131)
 - explaining the latest increase, MNB observed that "inflation risks have increased" since its previous meeting, that "inflation will begin to decline later than previously expected" and indeed that "core inflation may pick up further in coming months" with "companies repricing their goods and services at relatively short notice amid strong domestic demand in order to reflect rises in commodity prices and wage costs"
 - hence, the Monetary Council concluded, inflation risks "warrant a further tightening of monetary conditions" in order to "anchor inflation expectations and mitigate second-round inflation risks", and foreshadowed that it would "continue the base rate tightening cycle on a monthly basis"
- <u>Banco Central del Paraguay</u> raised its policy interest rate by another 25 bp, to 5.75%, at its Monetary Policy Committee meeting on 22nd February
 - this is the sixth increase since September last year, for a total of 500 bp, although last month's move was much smaller than the two previous increases of 125 bp each (slide 131)
 - inflation in Paraguay was 7.9% over the 12 months to January, the fastest since September 2011, with 'core' inflation at 6.1%, cf. BCP's target of 4%, and BCP <u>noted</u> that increases in oil and other international commodity prices, as well as "adverse climatic factors" (drought) could "influence the dynamics of local prices"
- ☐ Though these are both relatively small economies, their central bank decisions are in line with those of central banks in larger neighbouring economies
 - Russia's central bank has raised its policy interest rate by 525 bp since March last year, Ukraine's by 400 bp over the same period, Poland's and the Czech Republic's by 265 bp and 270bp respectively since October, and Romania's by 125 bp
 - Brazil's central bank has raised its policy interest rate by 875 bp since February last year (slide 128) Chile's by 500bp since last July, Peru's by 325 bp since last August, and Uruguay's by 275bp since last July

 SAUL ESLAKE

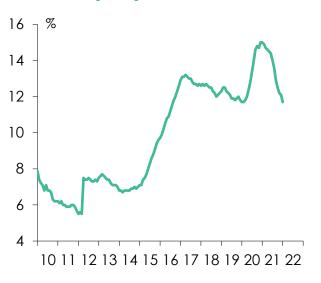
Banco Central do Brazil has raised its policy rate by 875 basis points since February last year on concerns over inflation and fiscal policy

THE WORLD ECONOMY THIS WEEK – 7TH MARCH 2022

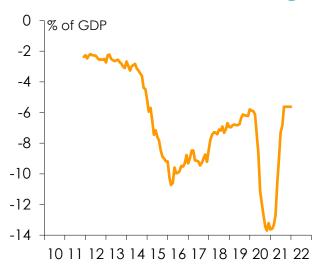
Real GDP



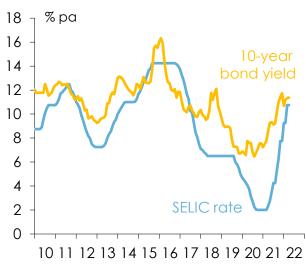
Unemployment



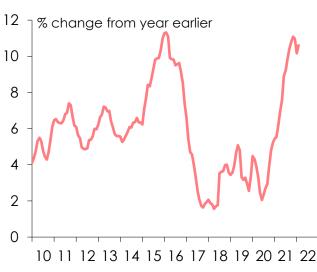
Public sector borrowing



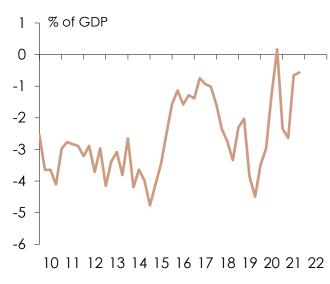
Interest rates



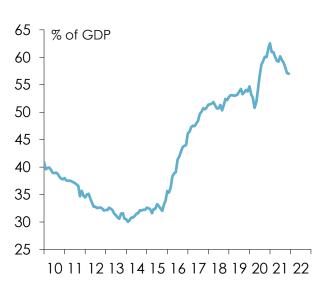
Inflation



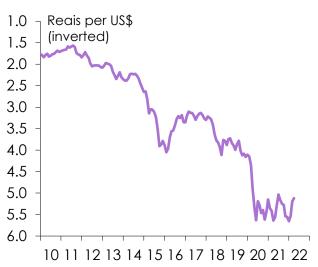
Current account balance



Public sector net debt



Brazilian real vs US\$

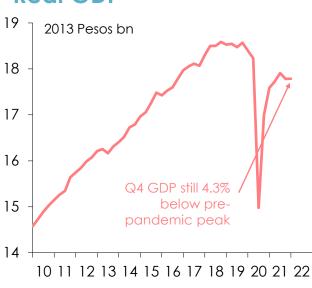




Mexico's central bank hiked rates by 150 basis points in 2021 despite GDP being still 4% below its pre-pandemic peak

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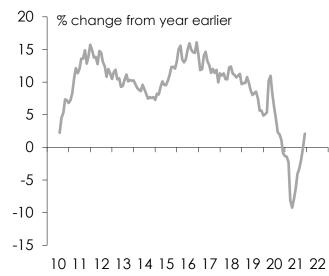
Real GDP



Unemployment



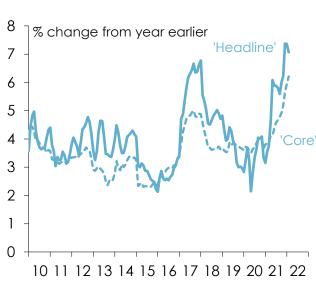
Bank lending



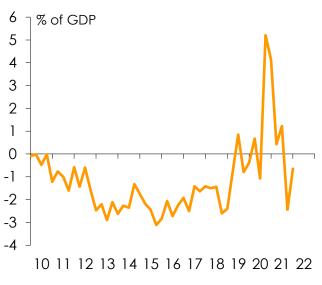
Interest rates



Inflation



Current account balance



Federal budget deficit



Mexican peso vs US\$

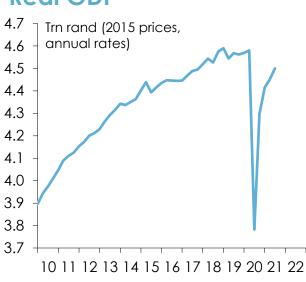




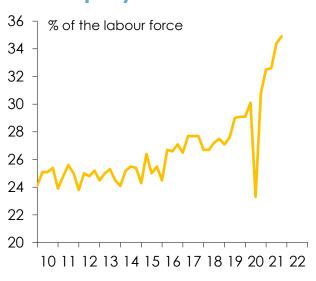
South Africa's central bank raised its repo rate in November, for the first time since 2018, as inflation topped 5%

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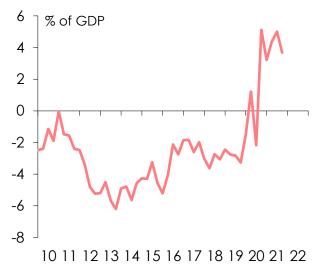
Real GDP



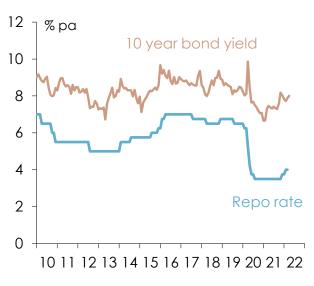
Unemployment



Current account balance



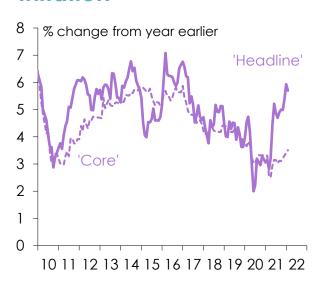
Interest rates



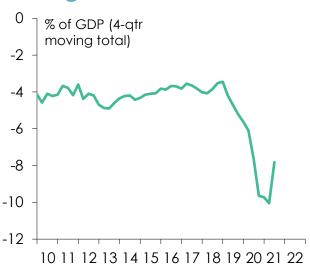
Terms of trade



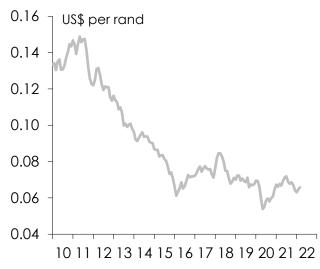
Inflation



Budget deficit



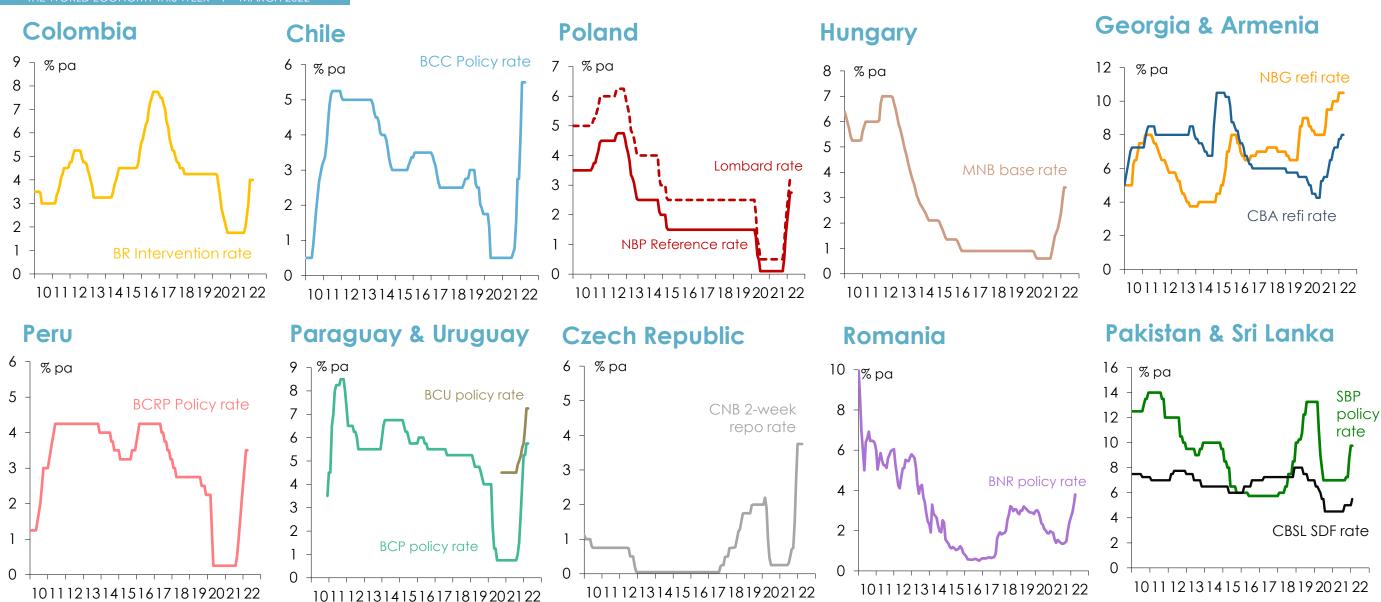
Rand vs US\$





A growing number of other 'emerging' market central banks have begun tightening monetary policy

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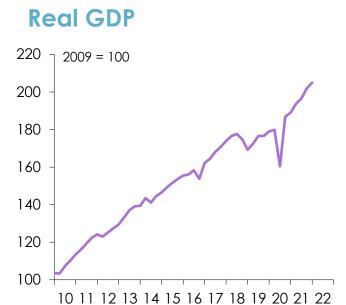


Sources: Banco de la República Colombia; Banco Central de Reserva del Perú; Banco Central de Chile; Banco Central del Uruguay; Banco Central del Paraguay; Narodowy Bank Polski; Česká Národní Banka; Magyar Nemzeti Bank; Banca Naţională a României; Sakartvelos Erovnuli Bank'I; Hayastani Kentronakan Bank; State Bank of Pakistan; Central Bank of Sri Lanka. Return to "What's New".

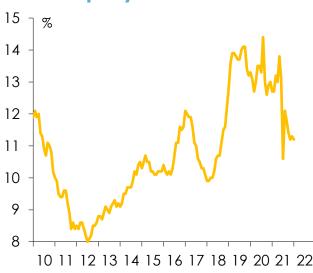


Turkey's economy grew 1.6% in Q4 to be 14% above its pre-pandemic peak – and inflation over the year to February topped 50%

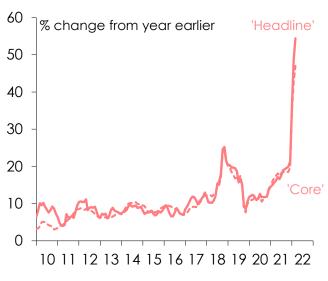
THE WORLD ECONOMY THIS WEEK – 7TH MARCH 2022



Unemployment rate



Inflation



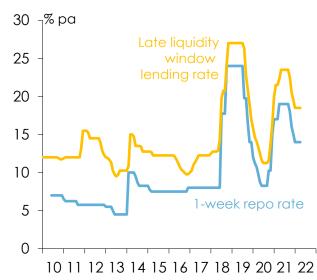
Bank lending



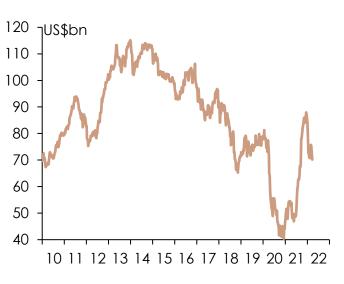
Budget balance



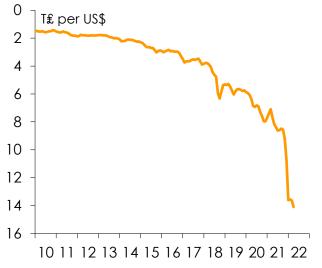
Interest rates



FX reserves



Turkish lira vs US\$





Key data and events this week

Key data and events for week ended 11th March

THE WORLD ECONOMY THIS WEEK – 7TH MARCH 2022

Thursday 10th March

Friday 11th March

Monday 7 th March	China January-February merchandise trade and February FX reserves; Brazil February services
	PMI

Tuesday 8 th March	Japan January current account balance; Australia February business confidence; Taiwan
	February merchandise trade, CPI & WPI; Sri Lanka CBSL meeting; Pakistan SBP meeting; South
	Africa Q4 GDP; Euro area Q4 GDP (final) and Q4 employment; Chile February CPI; US small
	business optimism; Canada January merchandise trade; US January merchandise trade;
	Poland NBP meeting

Wednesday 9th March	Australia March consumer confidence; Japan Q4 GDP (final); Korea Presidential election; China
-	February PPI & CPI; Indonesia February consumer confidence; Malaysia January
	unemployment; Hungary February CPI; US February job vacancies & quits; Russia February CPI

Japan February PPI; Indonesia January retail sales; Norway February PPI & CPI; Turkey January
unemployment; South Africa Q4 current account; Brazil January retail sales; Euro area ECB
meeting; China February credit growth; US February CPI, February budget balance & Q4
financial accounts; Peru BCRP meeting & January merchandise trade

Korea January current account; Japan January household spending; Malaysia Jai	nuary
industrial production; UK January GDP, industrial production & merchandise trade;	India
January industrial production; Brazil February CPI; Canada January employment &	
unemployment; US March consumer sentiment & inflation expectations (preliminar	y)

Important information

This document has been prepared by Saul Eslake on behalf of Corinna Economic Advisory Pty Ltd, ABN 165 668 058 69, whose registered office is located at Level 11, 114 William Street, Melbourne, Victoria 3000 Australia.

Corinna Economic Advisory is a partner (with Llewellyn Consulting, of 1 St Andrews Hill, London EC4V 5BY, United Kingdom) in Independent Economics.

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