

# MARCH MONETARY POLICY REPORT

April 5th 2022

Pablo García, Vice Governor



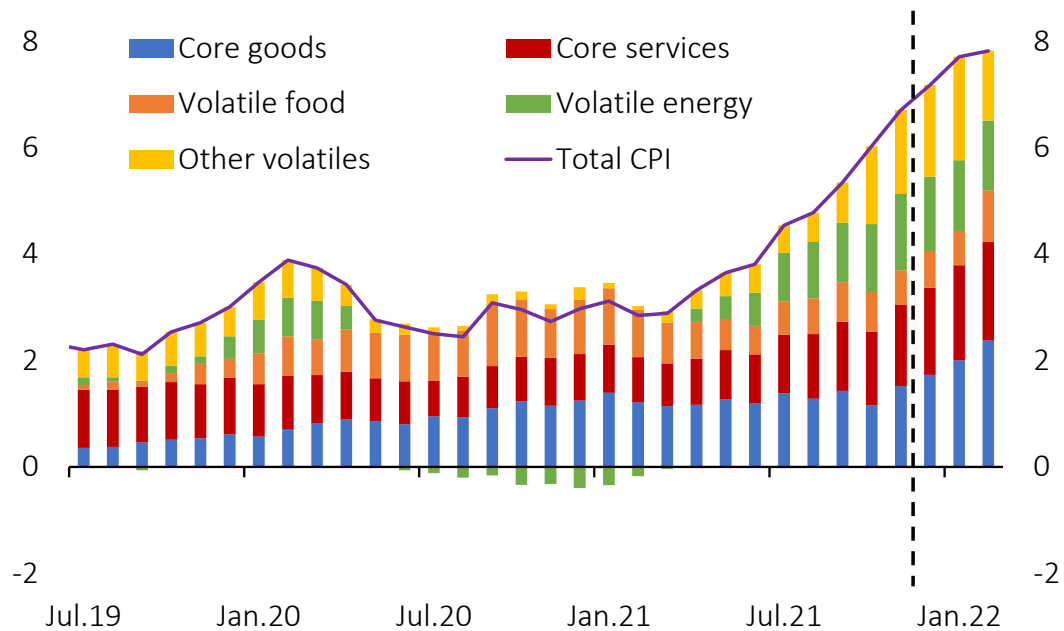
CASTRO / CHILOÉ  
Región de Los Lagos

# Inflation continues to rise and is approaching 8% annually, with increases in most of its components.



## Inflation indicators (1) (2)

(contributions to annual change, percentage points)



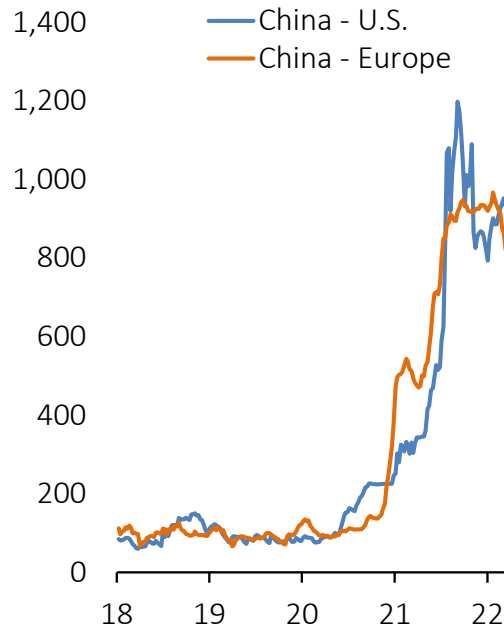
Core goods	→	8.8%
Core services	→	4.9%
Volatile food	→	8.9%
Volatile energy	→	17.8%
Other volatiles	→	7.7%
Total CPI	→	7.8%

(1) Dashed vertical line indicates statistical cutoff of December 2021 Monetary Policy Report. (2) For further detail of the different groupings and their share in the headline CPI basket, see box IV.1 in December 2019 MP Report, Carlomagno & Sansone (2019), and economic glossary. Sources: Central Bank of Chile and National Statistics Institute (INE).

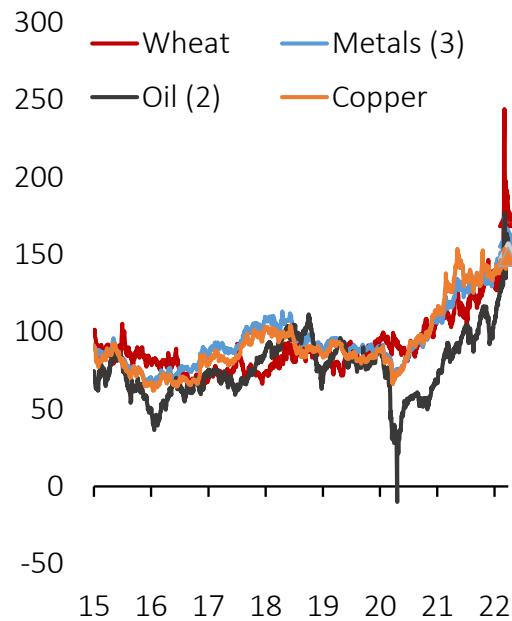
Increased cost-push pressures occur in a context where supply chains are still under stress, commodity prices are higher, and the Chilean peso is still depreciated.



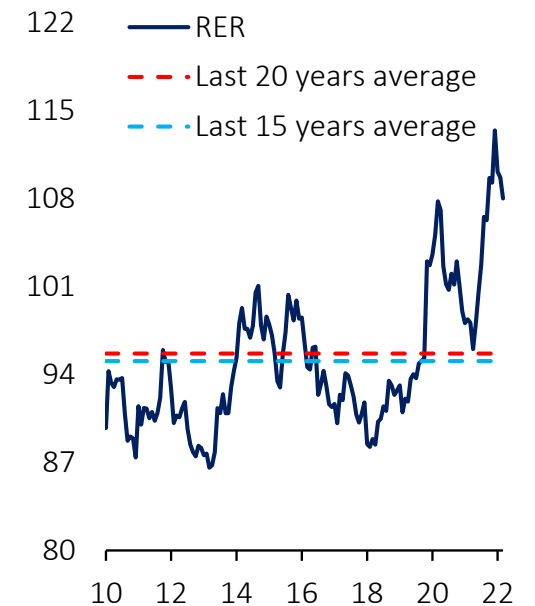
Maritime freight costs (1)  
(index, 2018=100)



Commodity prices  
(index, 2010-2022 average = 100)



Real exchange rate (4)(5)  
(index, 1986 average = 100)



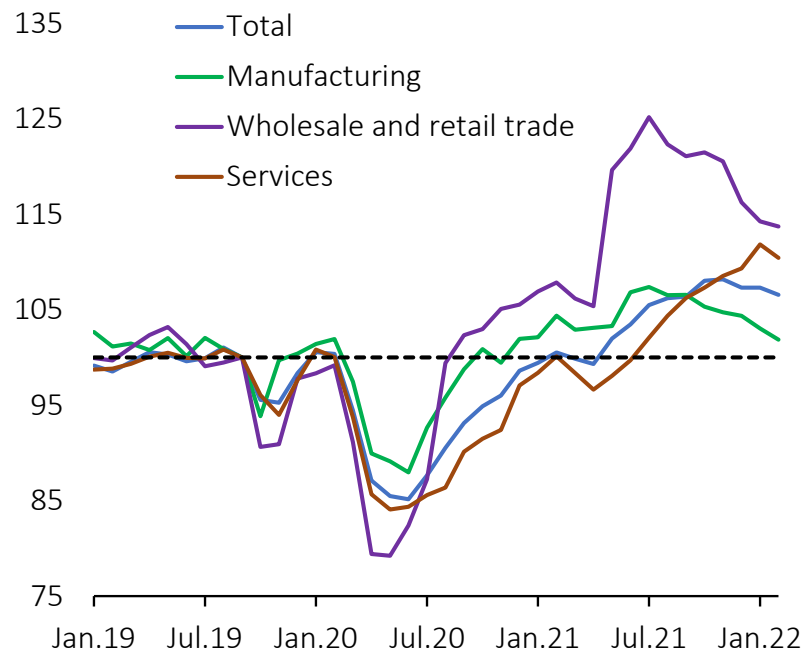
(1) Cost of transporting a 40-foot container in respective routes. (2) WTI-Brent average barrel. (3) S&P GSCI Industrial Metals. (4) Data for March 2022 is provisional and corresponds to the preliminary average for the month. (5) Averages of last 15 and 20 years cover the periods Apr.07-Mar.22 and Apr.02-Mar.22, respectively.

Sources: Bloomberg and Central Bank of Chile.

In Chile, data for the end of 2021 suggest that the economy has already begun a process of scaling down the high levels of accumulated spending.

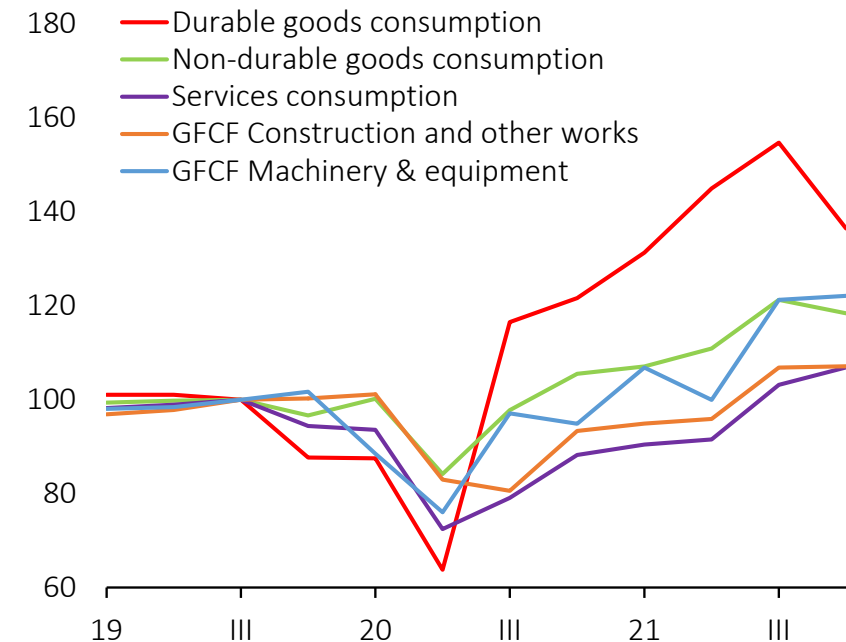


Monthly index of economic activity (Imacec)  
(index, September 2019 = 100, deseasonalized series)



Source: Central Bank of Chile.

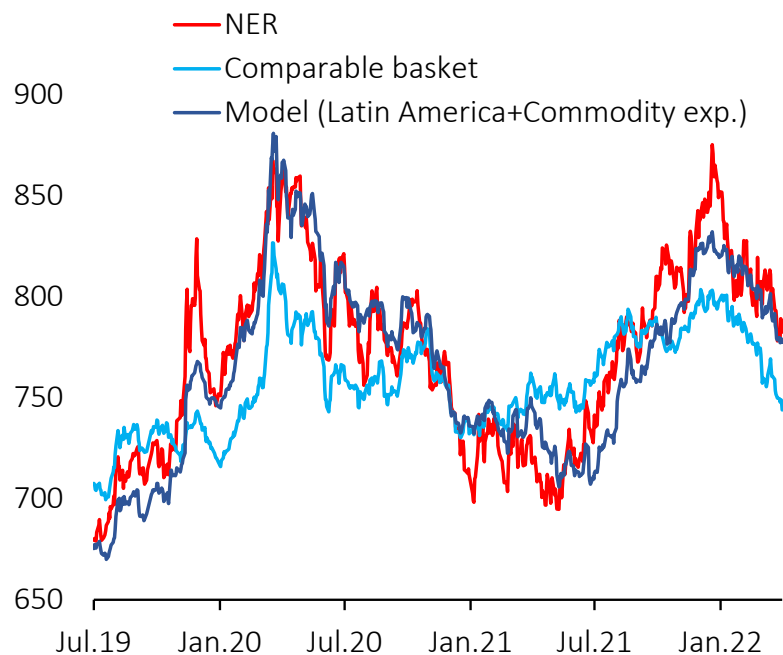
Domestic demand  
(index, third quarter 2019 = 100, deseasonalized series)



The domestic financial market has reduced somewhat the tensions it showed at the end of last year, with a slightly more appreciated peso and lower long-term rates.



Nominal exchange rate (1)  
(pesos per dollar)



Zero-coupon BTP-10 rate with respect to comparable economies (2) (3)  
(percent)

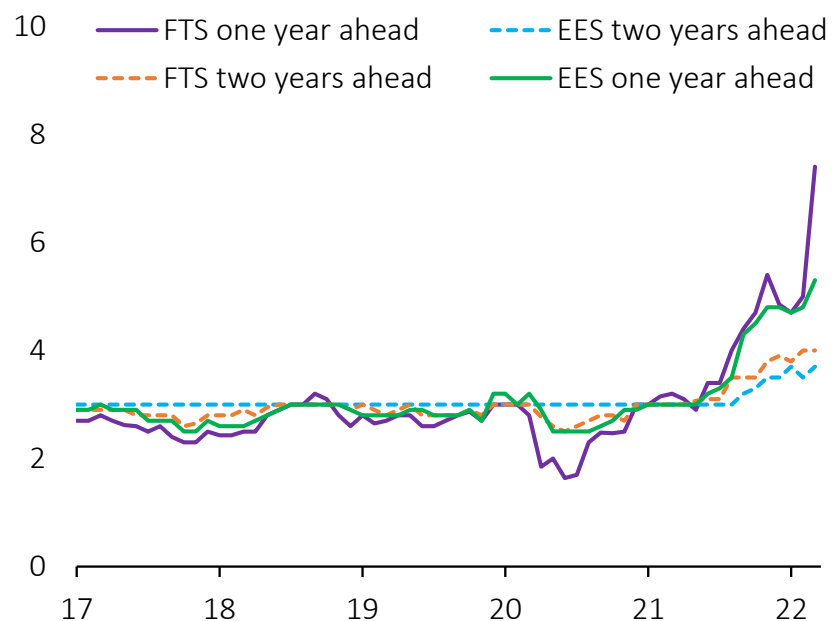


(1) For further details, see note figure II.4, MP Report March 2022. (2) For further details, see note figure II.2, MP Report March 2022. (3) Vertical lines from left to right indicate the following events: Start of social crisis (18 October 2019), first Covid-19 case confirmed in Chile (3 March 2020), approval of idea to legislate first withdrawal of pension funds (8 July 2020), approval of idea to legislate second withdrawal of pension funds (27 October 2020), start of discussion of third withdrawal (29 January 2021) and rejection by the Senate of fourth withdrawal (8 November 2021). Sources: Central Bank of Chile, Bloomberg and RiskAmerica.

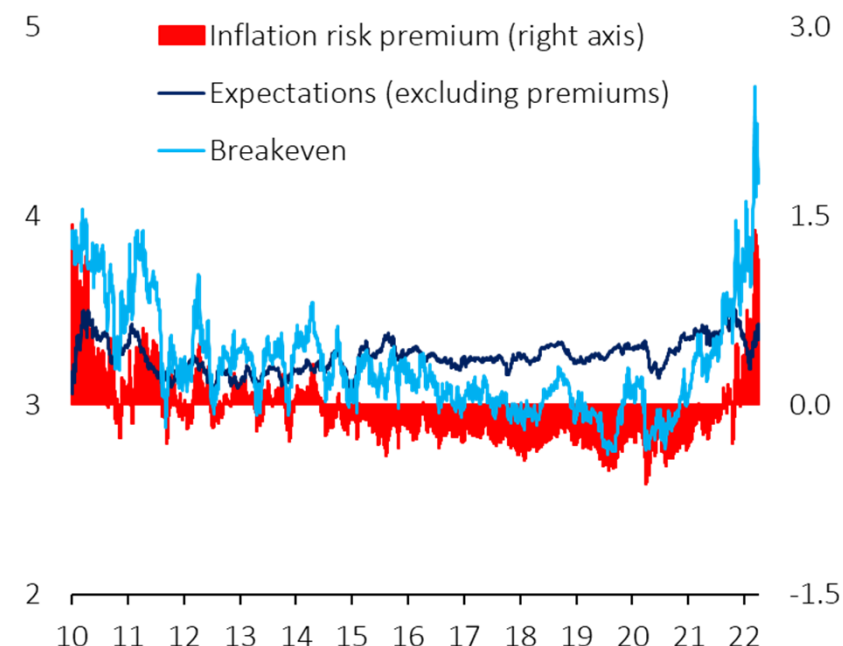
Market inflation expectations remain above 3% annually in the two-year term. Breakeven inflation also shows high figures, although their levels are clouded by premiums which, when discounted, reduce them significantly.



Inflation expectations in surveys (1)  
(percent)



Decomposition of 10-year breakeven inflation (2)  
(percent)



(1) The FTS considers the survey of the first half of each month until January 2018. From February 2018 onwards, it considers the latest survey published in the month. (2) Estimates based on Beyzaga and Ceballos (2016), Abrahams et al. (2016) with SPC rates.

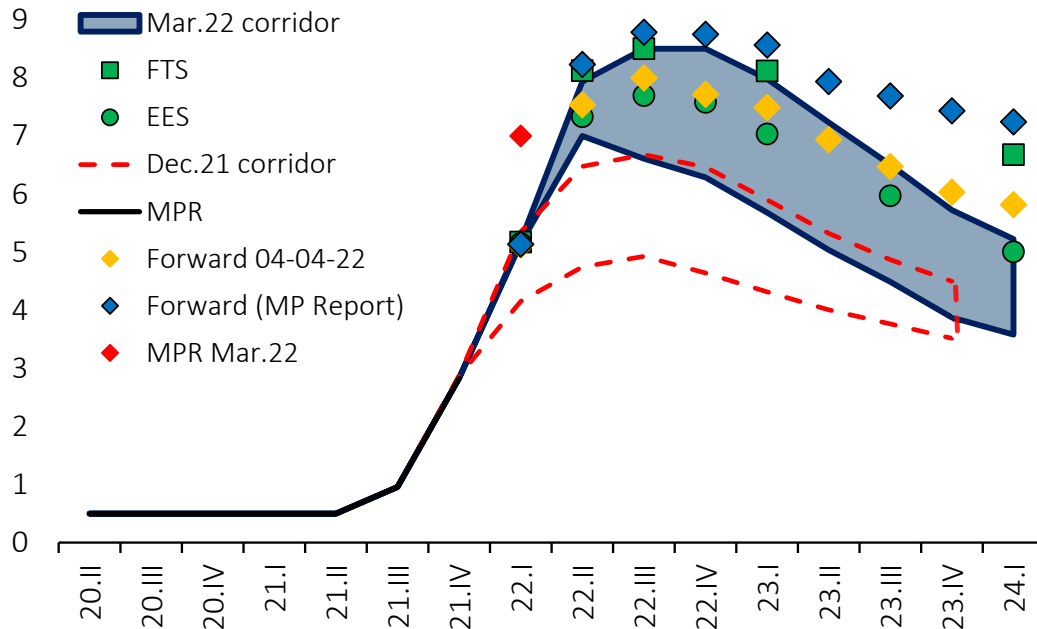
Sources: Central Bank of Chile y RiskAmerica.

The Board has rapidly raised the MPR in response to the higher inflation scenario. Going forward, if the central scenario proves correct, the increases will be smaller than those of recent quarters.



### MPR corridor (\*)

(quarterly average, percent)



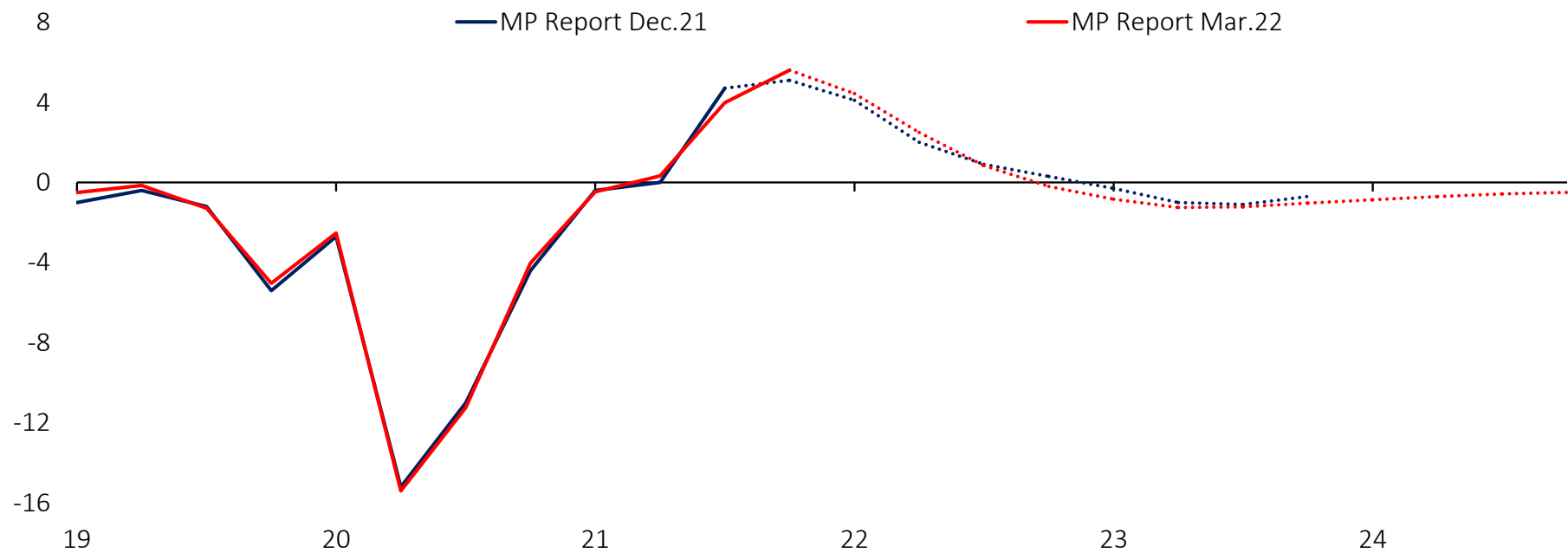
- ➔ The current MPR corridor runs between 100 and 200 basis points above that proposed in the previous MP Report
- ➔ The greater increment in the MPR will contribute to the normalization of domestic spending and an earlier closing of the activity gap
- ➔ While the increase in the MPR has been rapid and significant, risks to inflation convergence remain. The Board will monitor them carefully, ensuring that inflation converges to the target within the two-year monetary policy horizon.

(\*) The corridor is constructed following the methodology of box V.1 of the March 2020 Report and box V.3 of the March 2022 Report. Includes March EES and FTS previous to March MP meeting and the quarterly average smoothed forward curve at March 23rd. This is calculated by extracting the implicit MPR considering the forward curve on the interest rate swap curve up to 2 years, discounting the fixed rates at every maturity at the simple accrual of the ICP. For the current quarter the surveys and the forwards consider the average daily effective and are completed with the respective sources. Source: Central Bank of Chile.

Thus the gradual narrowing of the gap will continue.



Activity gaps (1) (2)  
(level, percentage points)



(1) Dotted lines indicate forecasts. (2) Forecast uses structural parameters updated in the June 2021 Monetary Policy Report. Source: Central Bank of Chile.

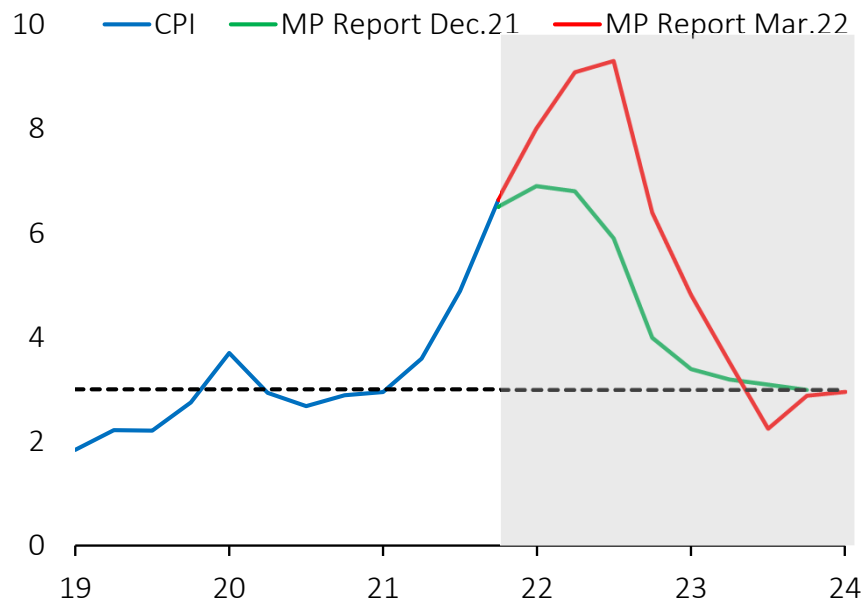


In the central scenario, inflation will approach 10% in mid-year, to begin a rapid decline towards the target in the latter part of 2022.

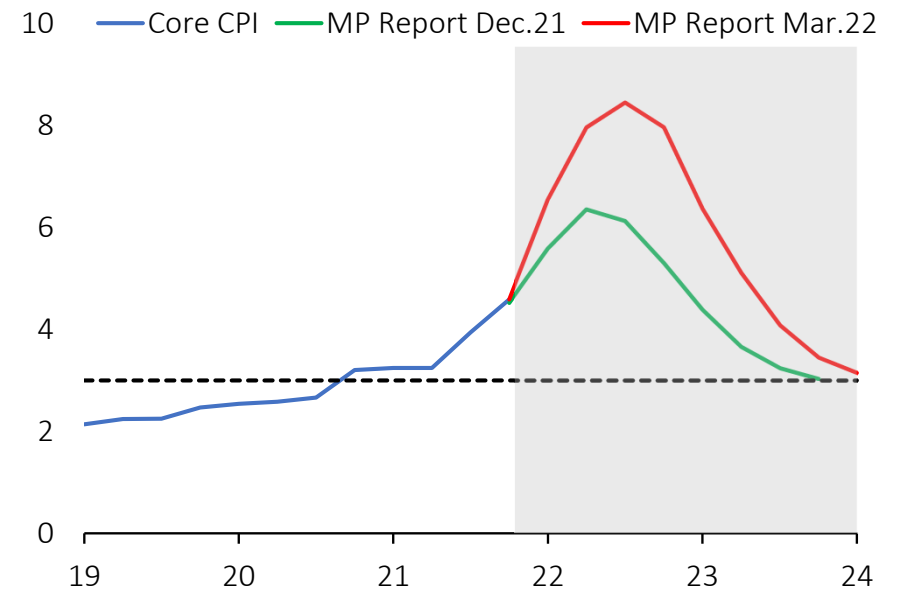


Inflation forecast (\*)  
(annual change, percent)

CPI inflation



Core inflation (CPI minus volatiles)



(\*) Gray area, as from first quarter 2022, shows forecast.

Sources: Central Bank of Chile and National Statistics Institute (INE).

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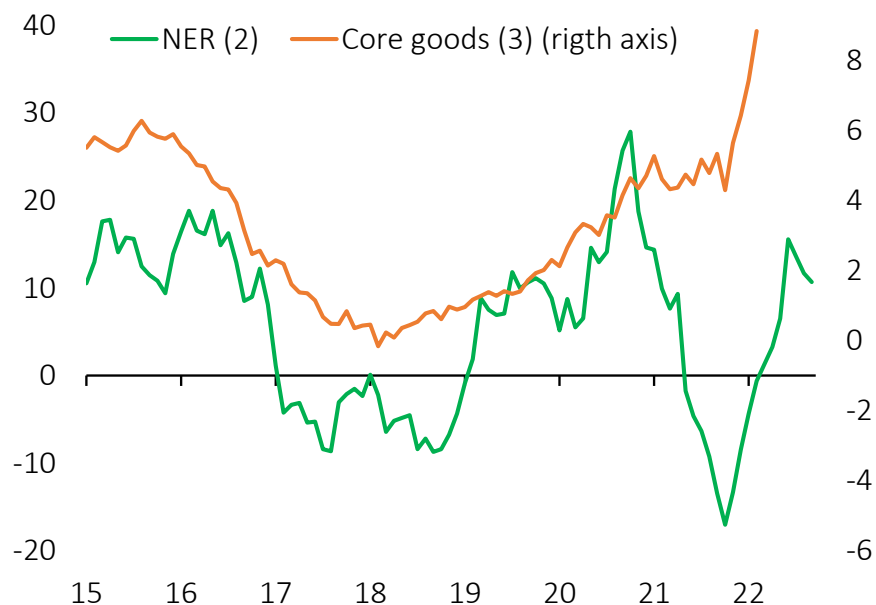
# Annex

Core CPI reflects mainly the fast increase in goods inflation, while services inflation has been contained by lags in the inflation-correction of some items.



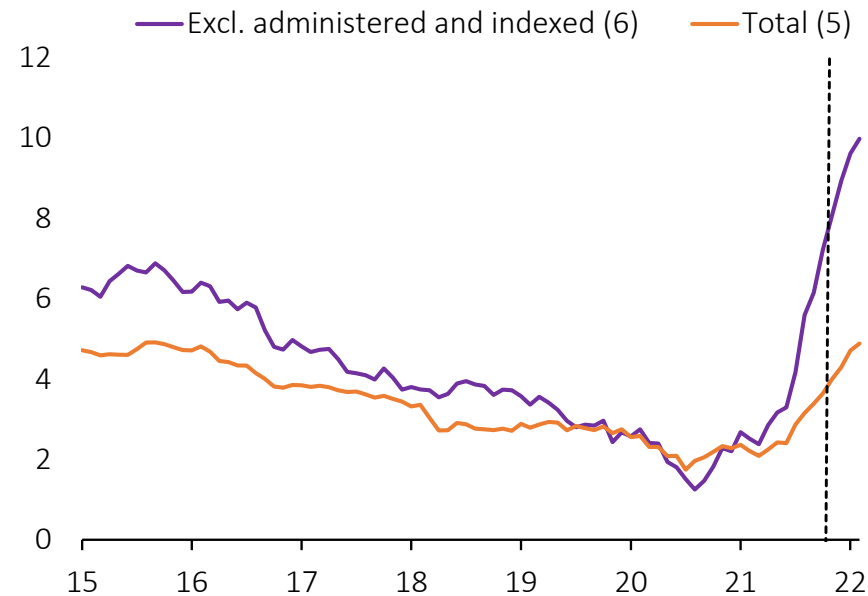
### Core goods inflation and exchange rate (1)

(annual change, percent)



### Core services inflation (1) (4)

(annual change, percent)



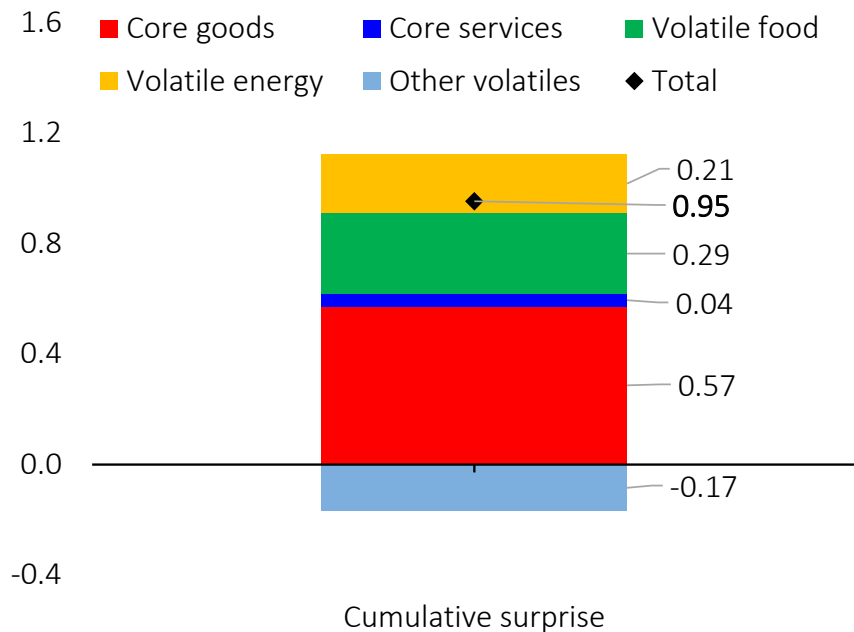
(1) For further detail of the different groupings and their share in the headline CPI basket, see box IV.1 in December 2019 MP Report, Carlomagno & Sansone (2019), and economic glossary. (2) Lagged 6 months. March 2022 figure considers information up to the 23rd. (3) Represents 26.7% of CPI basket. (4) Dashed vertical line indicates statistical cutoff of December 2021 Monetary Policy Report. (5) Represents 38.4% of CPI basket. (6) Represents 11.7% of CPI basket. Sources: Central Bank of Chile and National Statistics Institute (INE).

Inflation has risen past December forecasts. In a context in which the strong boost to spending in 2021 has added greater cost pressures.



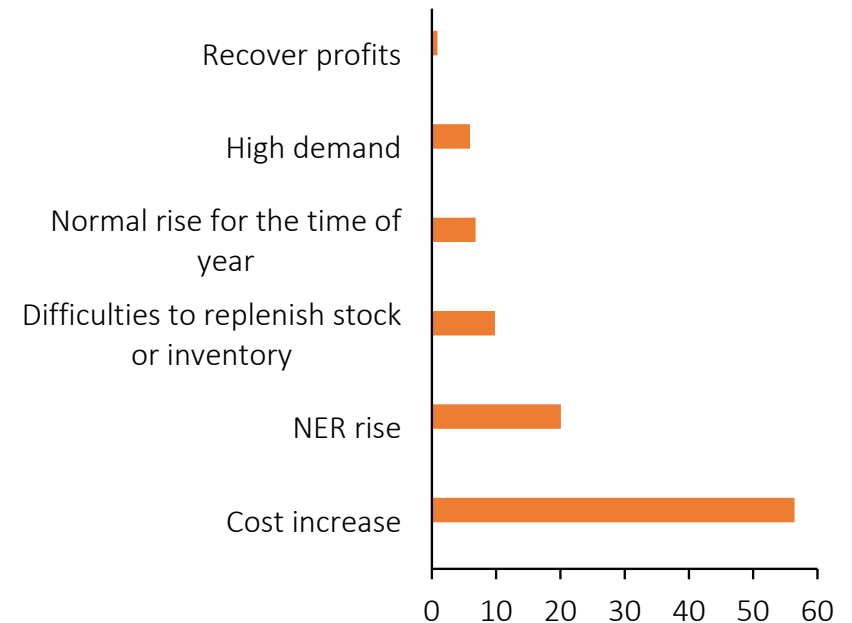
Cumulative inflation surprises after December 2021 MP Report (\*)

(annual change, percent)



February IPN: Main reason why you raised prices in last three months

(percent of all firms that did raise prices)

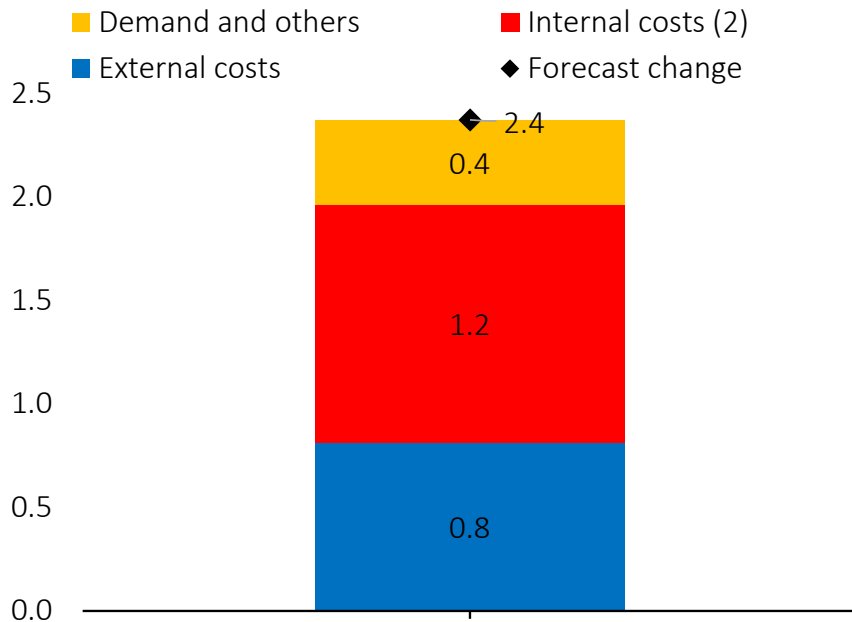


(\*) For further detail of the different groupings and their share in the headline CPI basket, see box IV.1 in December 2019 MP Report, Carlomagno & Sansone (2019), and economic glossary. Source: Central Bank of Chile.

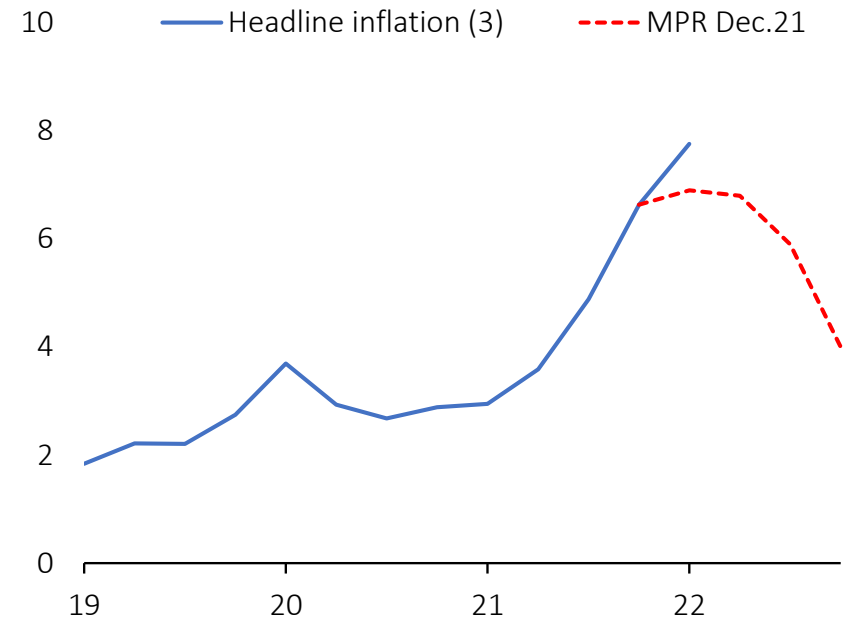
Accordingly, the short-term outlook for annual inflation has been revised upward, and is foreseen to approach 10% by mid year.



Change in annual inflation forecast at 4Q2022 (1)  
(percentage points)



Headline inflation and December forecast  
(annual change, percent)



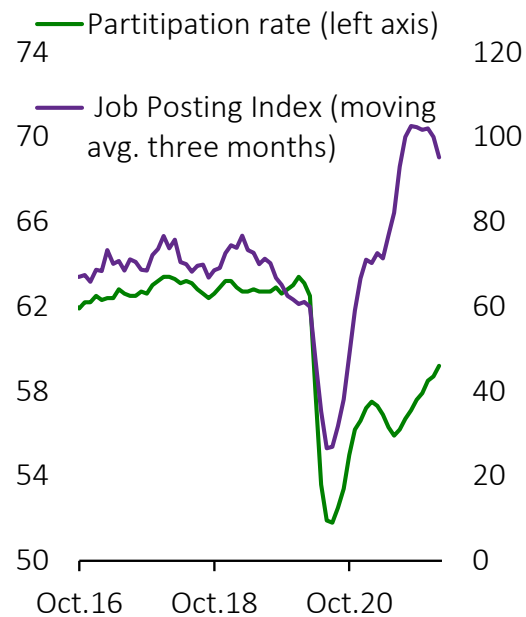
(1) Considers headline CPI inflation forecast in MP reports of December 2021 and March 2022. (2) Includes effect of Exchange rate variation. (3) Corresponds to averaged annual CPI variation in January-February 2022.

Source: Central Bank of Chile.

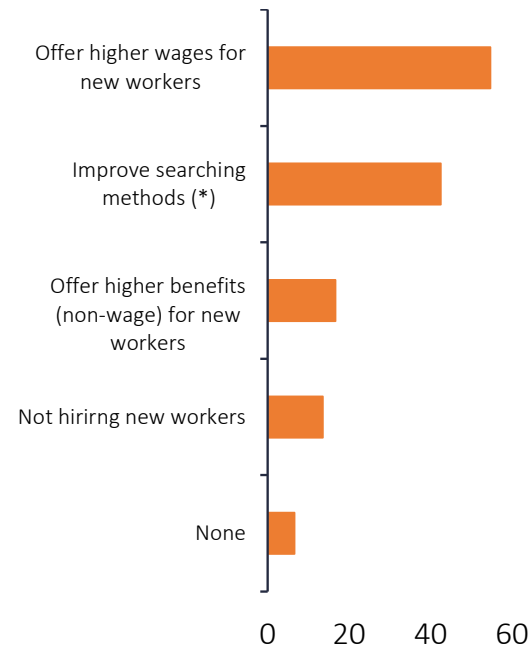
Regarding labor costs, the supply-demand mismatch has been subsiding, but continues to put upward pressure on wages.



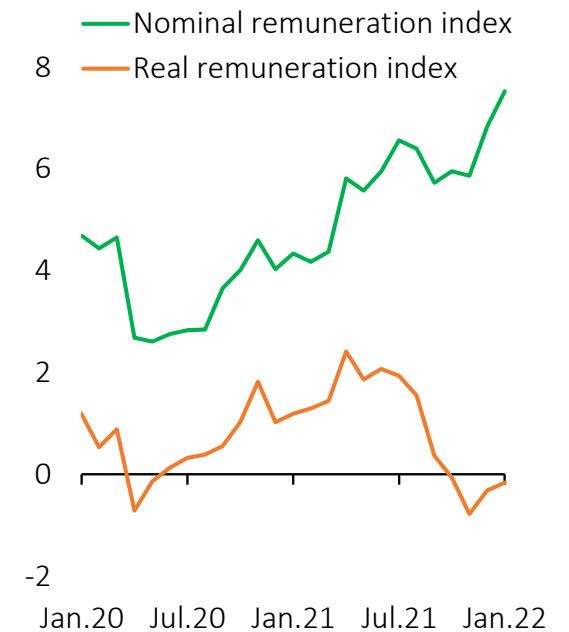
Participation rate and index of job postings on internet (percent; index, Jan.2015 = 100)



IPN February: measures to address difficulty to recruit workers (percent of all firms)



Compensation index (IREM) (percent)

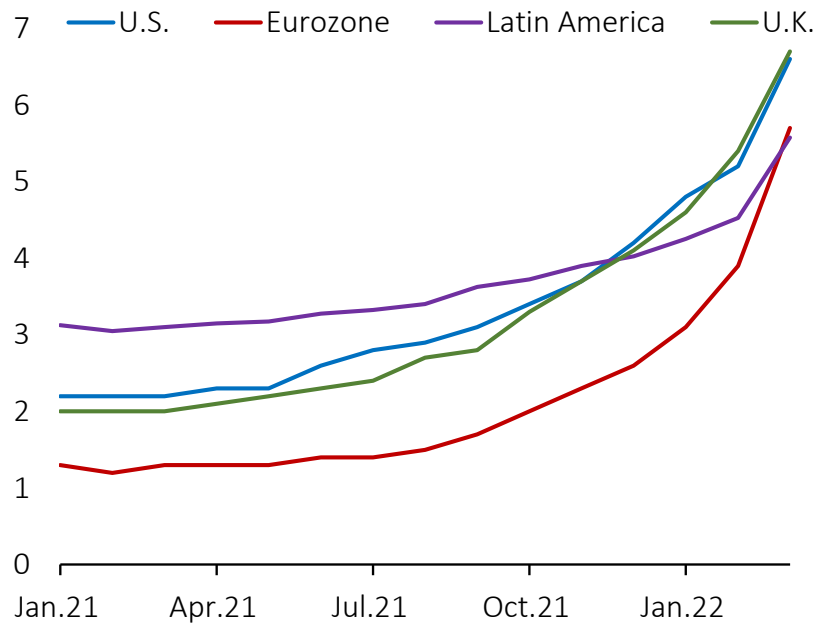


(\*) Includes job postings in media, web portals, and social networks, among others.  
Sources: Central Bank of Chile and National Statistics Institute (INE).

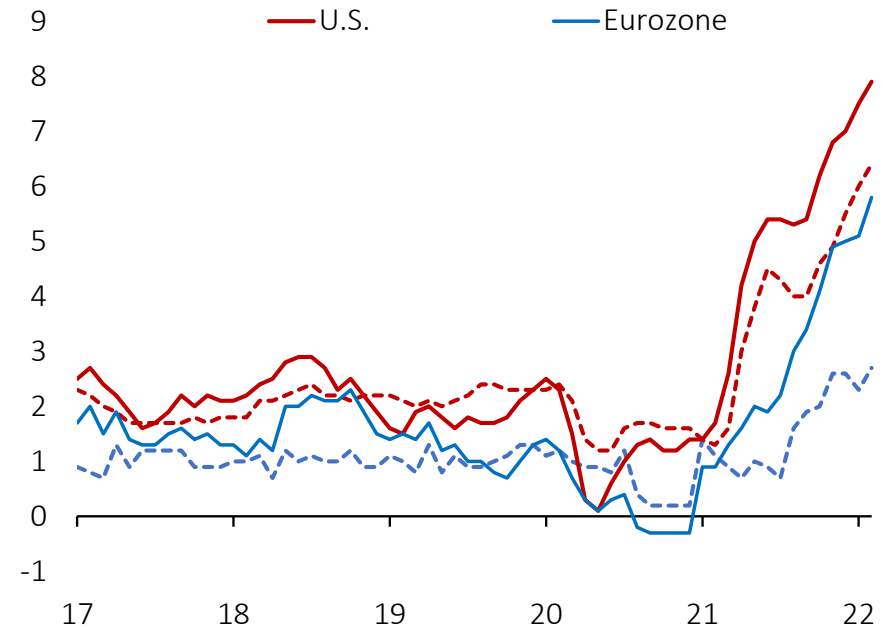
# Rising inflation has become a global phenomenon, but underlying causes differ across countries.



Inflation forecast for 2022 (1)  
(average annual change, percent)



Headline and core inflation in developed economies (2)  
(annual change, percent)



(1) Latin America considers simple average of annual inflation at December 2022 for Brazil, Mexico, Peru, and Colombia. (2) Dashed lines show respective core inflation.

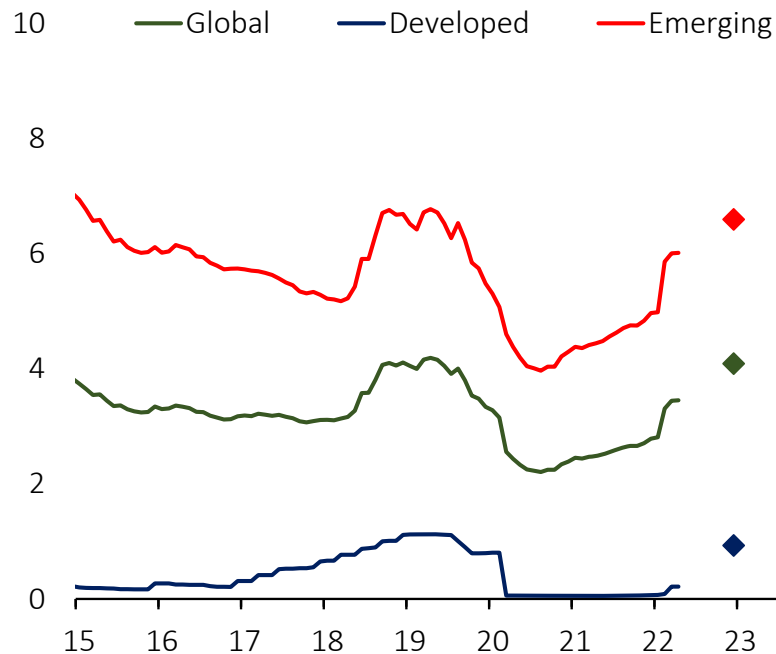
Sources: Central Bank of Chile, Bloomberg, and respective countries' statistical bureaus.



This has led central Banks to adjust their monetary policies, while global financial conditions are perceived as less favorable.



Global policy rates and expectations  
(percentage points, PPP weighted)



(\*) Expected MPR change is rounded off to nearest 25-bp increments. Expectations in Chile consider the March EES.  
Sources: Central Bank of Chile and Bloomberg.

Evolution of monetary policy rate in selected economies (\*)  
(basis points)

	Accum. variation from Jan.21	Exp. variation at 4Q22
Brazil	975	125
Chile	650	50
Hungary	380	75
Peru	375	125
Poland	340	175
Colombia	325	225
Mexico	225	125
New Zealand	75	100
Norway	75	75
South Africa	75	75
Korea	75	50
U.K	65	50
U.S.	25	125
Canada	25	100

Chile's MPR rise has been among the highest in the world.



**+650bp**

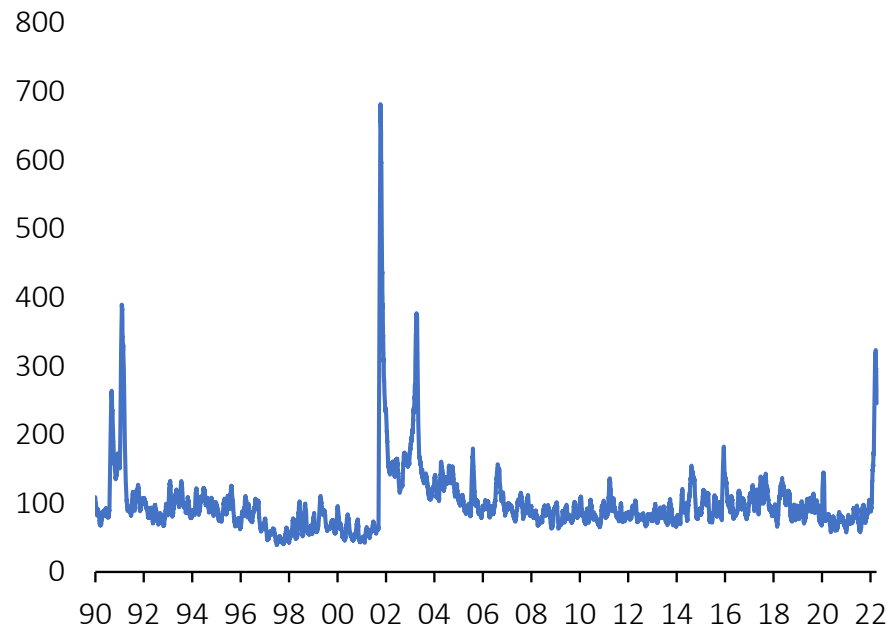
Since July 2021



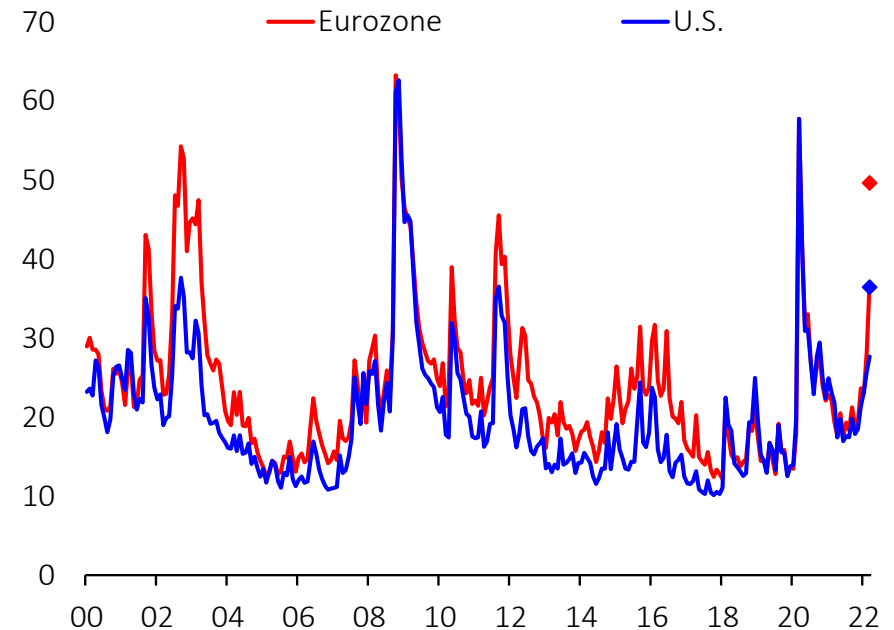
The Ukrainian invasion has added an adverse effect to the macroeconomic scenario, together with increased uncertainty.



Geo-political risk (1)  
(index, 1985-2019 average =100)



Financial volatility (2)  
(index)



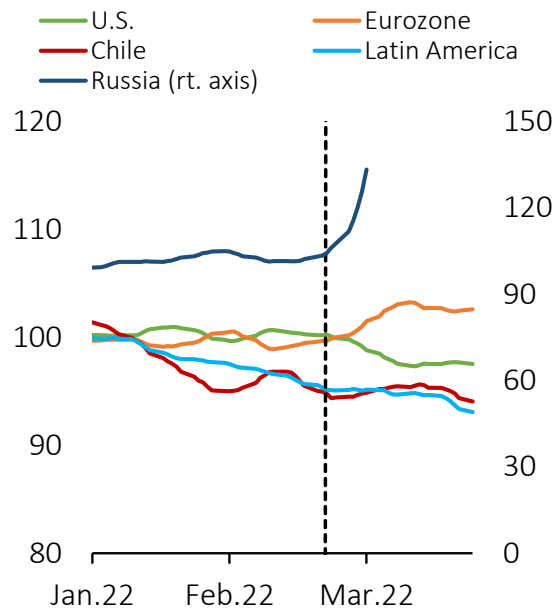
(1) Moving 30-day average. (2) Figures for the U.S. use VIX index; for the Eurozone, VIX STOXX index. Diamonds show maximum daily value reached during March 2022 (March 7 and 3, respectively).

Sources: Bloomberg and Caldara & Iacoviello (2021).

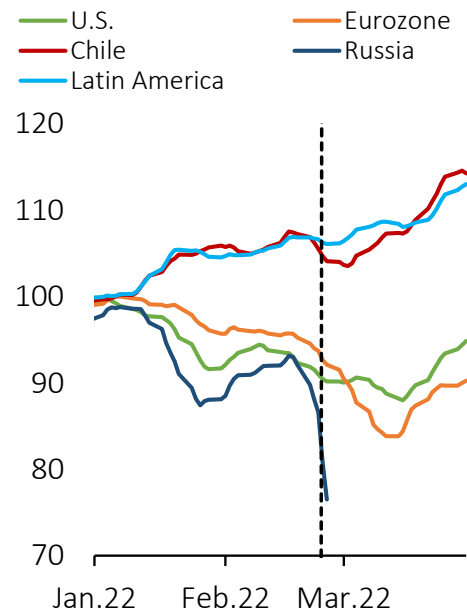
But so far the financial consequences of the war have concentrated in Russia, Ukraine, and neighboring countries.



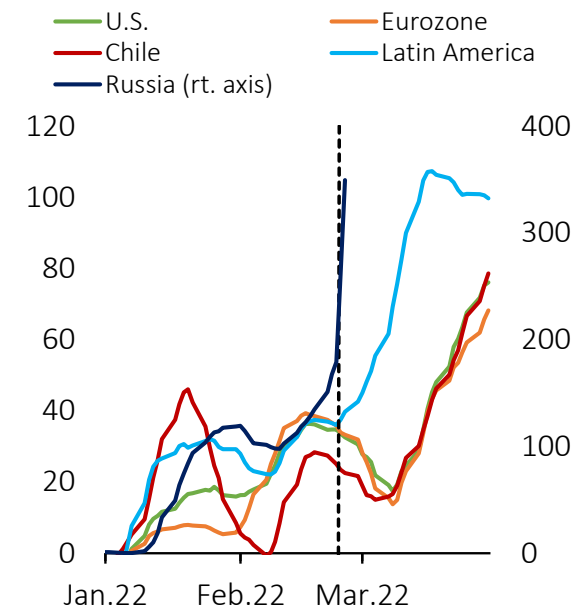
Currencies (1) (2) (3)  
(index, 3/Jan/2022=100)



Stock markets (1) (2) (3)  
(index, 3/Jan/2022=100)



10-year nominal interest rates (1) (2) (3)  
(difference with respect to 3/Jan/2022=100, basis points)



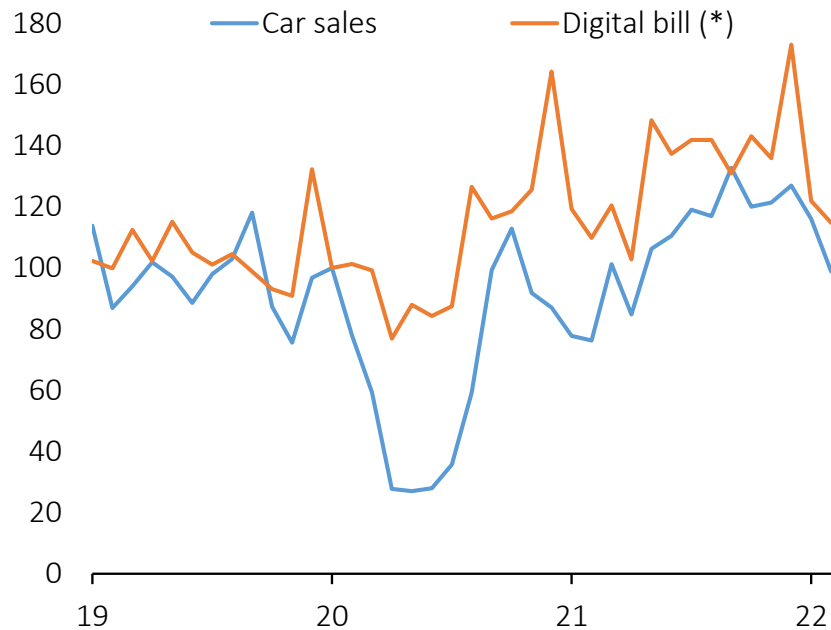
(1) Moving 7-day average for each index. (2) LatAm considers simple average of indexes of Brazil, Mexico, Peru, and Colombia. (3) For Russia the latest available data is considered (4/March for NER and 25/February for the stock market and 10-year nominal interest rate. Dashed vertical line shows start of Russian invasion to Ukraine (24 February).

Sources: Central Bank of Chile and Bloomberg.

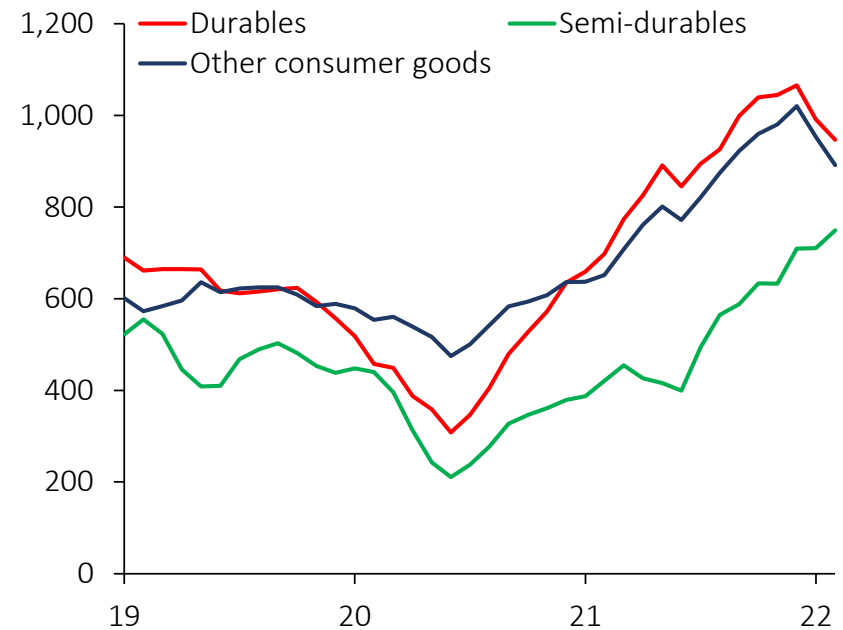
Several indicators confirm this trend running this year to date.



Trade indicators  
(index, enero 2020 = 100)



Nominal imports of consumer goods  
(million CIF dollars, 3-month moving average)



(\*) UF-deflated. Excludes gas stations.

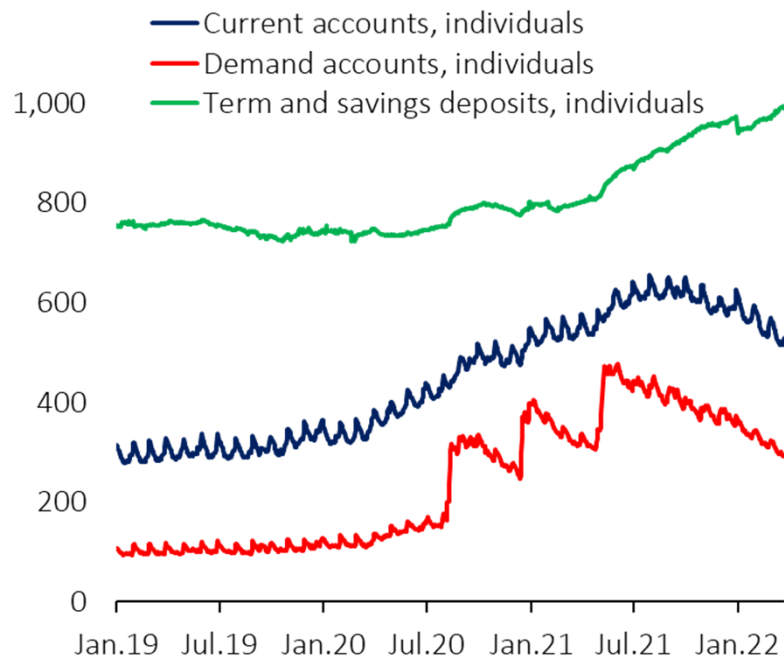
Sources: ANAC, Central Bank of Chile, INE, and tax authority (SII).

This is occurring in the midst of dwindling liquidity in the economy, tighter financing conditions, and limited credit performance.



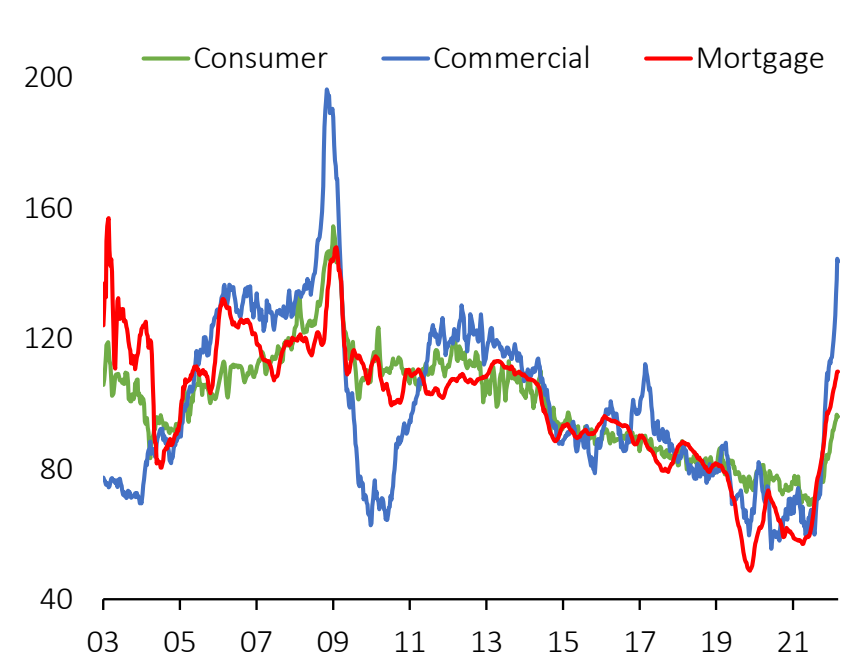
### Individuals' real balances (1)

(millions of UFs, daily data)



### Lending interest rates (2) (3)

(index, 2003-2022=100)

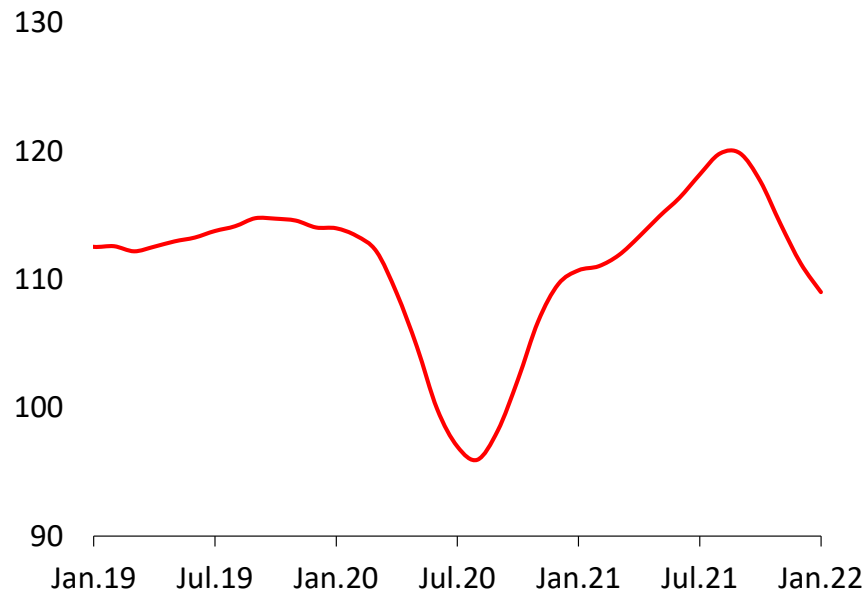


(1) In January 2022, the Compendium of Bank Accounting Standards of the Financial Market Commission was updated, which is used in the generation of monetary statistics. This change implied adapting the monetary compilation instruments of the Central Bank of Chile (from file F01 to SIM01). (2) Weekly data for the Metropolitan Region, weighted average rates of all transactions carried out in each period. For housing corresponds to transactions in UF. (3) Moving 4-week average. Source: Central Bank of Chile based on Financial Market Commission data.

Investment indicators show a reversal with respect of 2021, particularly in the construction and other works component.



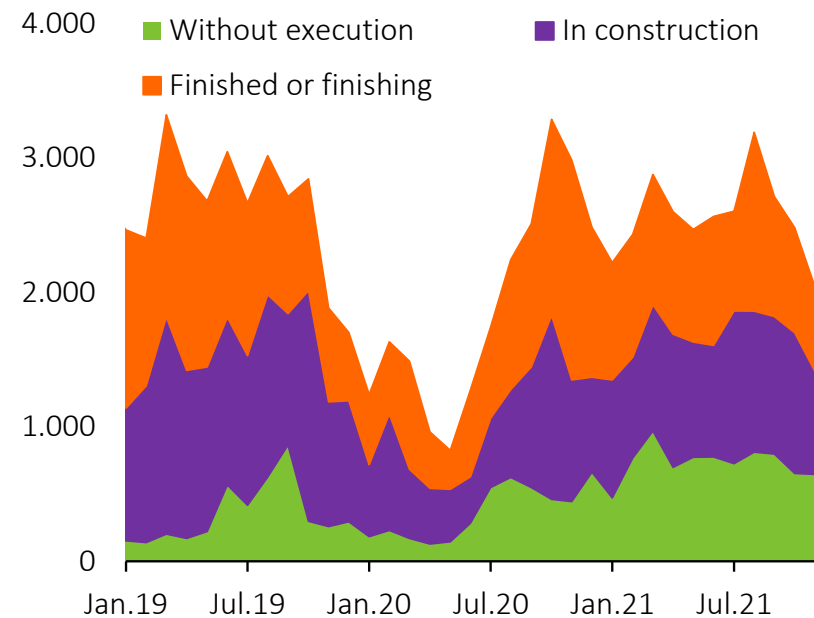
Monthly index of construction activity (Imacon) (\*)  
(index, 2014 = 100)



(\*) Moving 3-month average.

Source: Chilean Chamber of Construction (CChC).

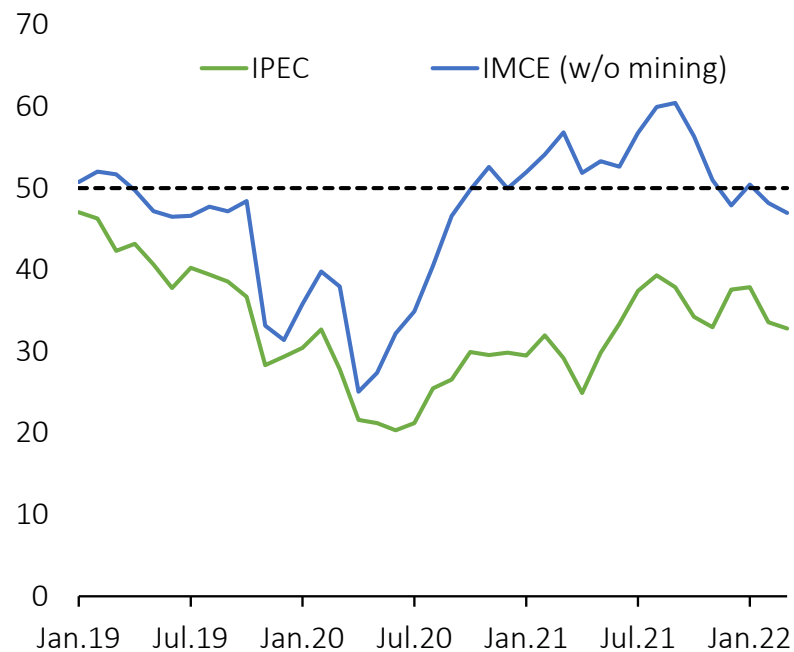
Home sales by status of works  
(thousands of units)



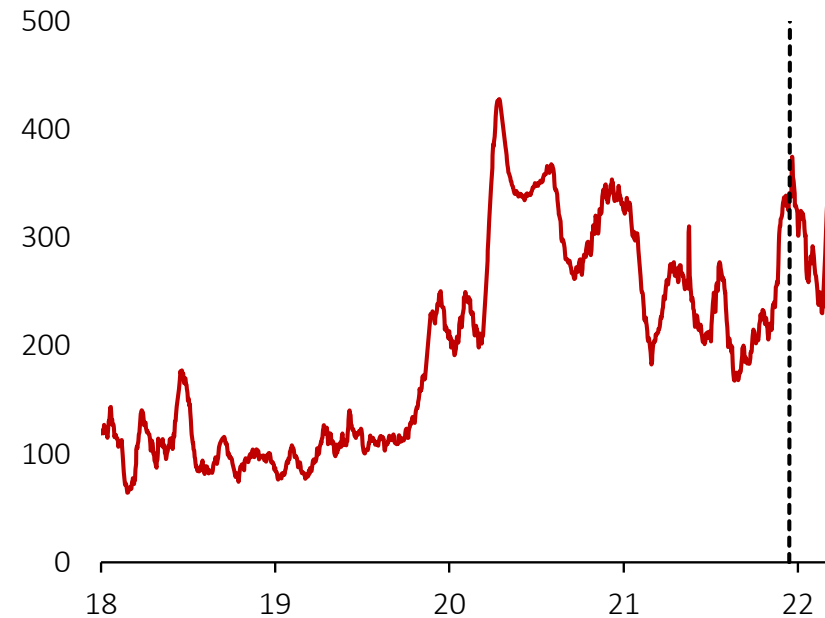
In this scenario, the outlook for businesses and consumers has turned more pessimistic, while uncertainty has increased further because of the war.



Business and consumer confidence (1)  
(diffusion index)



Daily index of economic and political uncertainty (Depuc) (2)  
(index, 1 January 2012=100)

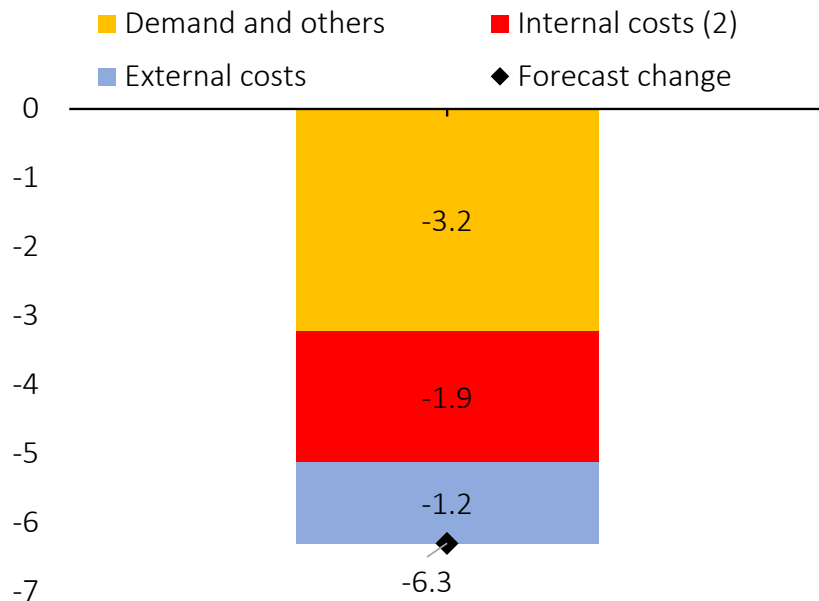


(1) Value above (below) 50 indicates optimism (pessimism) (2) Moving 30-day average. Since December 2021, the Depuc includes an update to the dictionary of words used for its construction and detailed in DTBC No. 883. This is done as a way of incorporating new elements that influence the local situation. From this date forward, the data dictionary will be subject to periodic updates based on the content of the corresponding news items. Dotted vertical line indicates date of publication of the December 2021 MP Report. Sources: Gfk/Adimark, UAI/ICARE, and Becerra & Sagner (2020).

One key factor behind this forecast is the slowdown in domestic spending. Another is the reversal of the commodity-price-related cost shock.



Change in annual inflation forecast between 3Q2022 and 1Q2024 (1)  
(percentage points)



This forecast is based on:

- Slowdown in domestic spending due to withdrawal of macroeconomic incentives
- Reduced commodity prices, leaving strong base effect and lowering business costs
- Reorganization and restructuring of local and global supply chains, which will also reduce associated costs.

(1) Variation considers central scenario projections in this MP Report. (2) Includes the effect of exchange rate variations. Source: Central Bank of Chile.

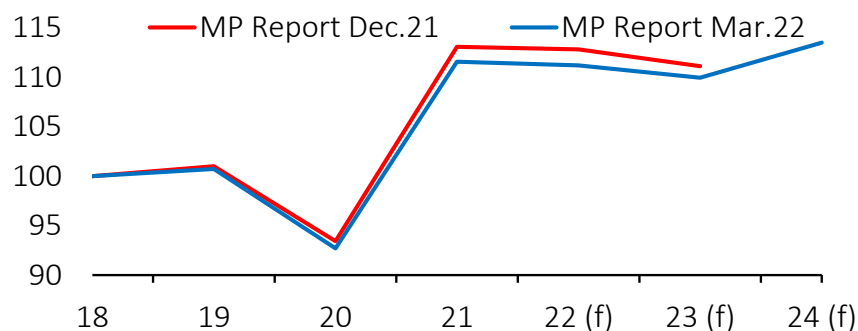


Convergence of inflation to target over the two-year horizon requires adjusting the overspending observed in 2021. Both consumption and investment will contract in 2022 and 2023. There is differences with the market projections.



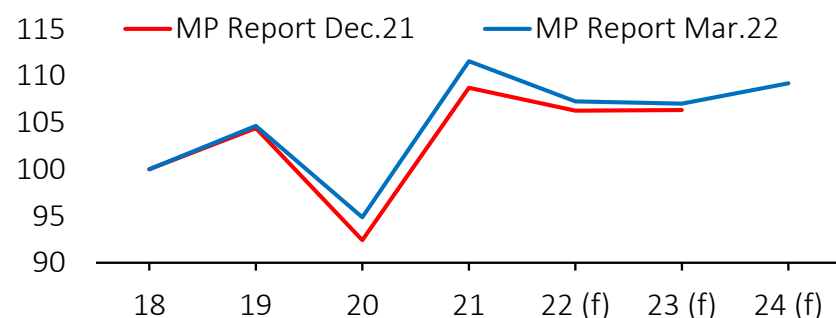
### Private consumption

(index, 2018=100)



### Investment (GFCF)

(index, 2018=100)



### Market forecasts for inflation, activity, and demand (\*)

(annual change, percent)

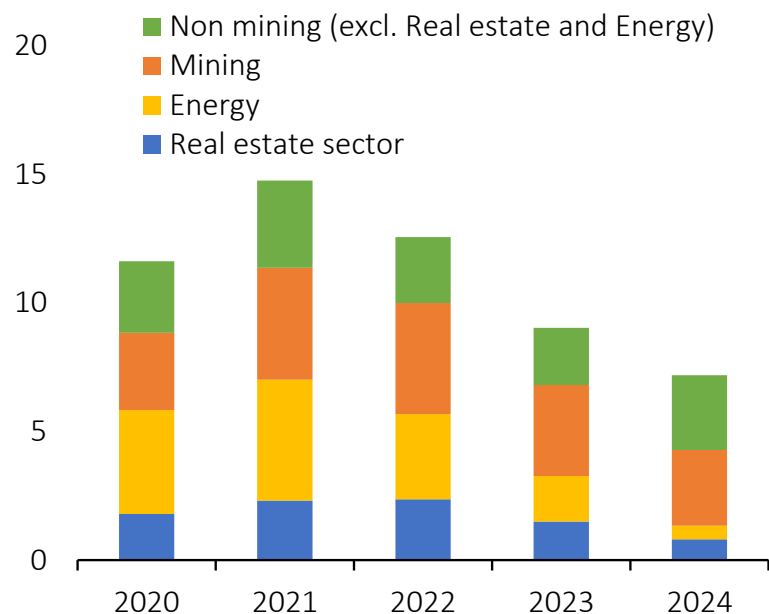
	GDP		GFCF		Private consumption		Total CPI	
	2022	2023	2022	2023	2022	2023	Dec.22	Dec.23
EES March 2022	2.0	1.5	0.5	1.3	1.5	1.2	5.8	4.0
Consensus Forecast March 2022	2.1	1.2	1.4	0.6	2.2	0.6	6.6	3.6
MP Report March 2022	1.0-2.0	-0.25/0.75	-3.8	-0.2	-0.3	-1.1	5.6	2.9
<b>Cumulative difference 2022-2023 with respect to MP Report March 2022</b>								
Diff. EES - IPoM	1.75		5.8		4.1		-	
Diff. CF - IPoM	1.55		6.0		4.2		-	

(f) Forecast. (\*) The EES considers the median of the projections, while Consensus Forecast uses the mean. In both cases, they correspond to March 2022 measurements. Sources: Central Bank of Chile and Consensus Forecast

Investment posts the biggest correction with respect to December. The surveys and other sources reinforce the outlook of further weakening, especially in construction and works.



CBC: Total investment  
(billions of dollars)



Nominal imports of capital goods  
(billions of CIF dollars, moving 3-month average)

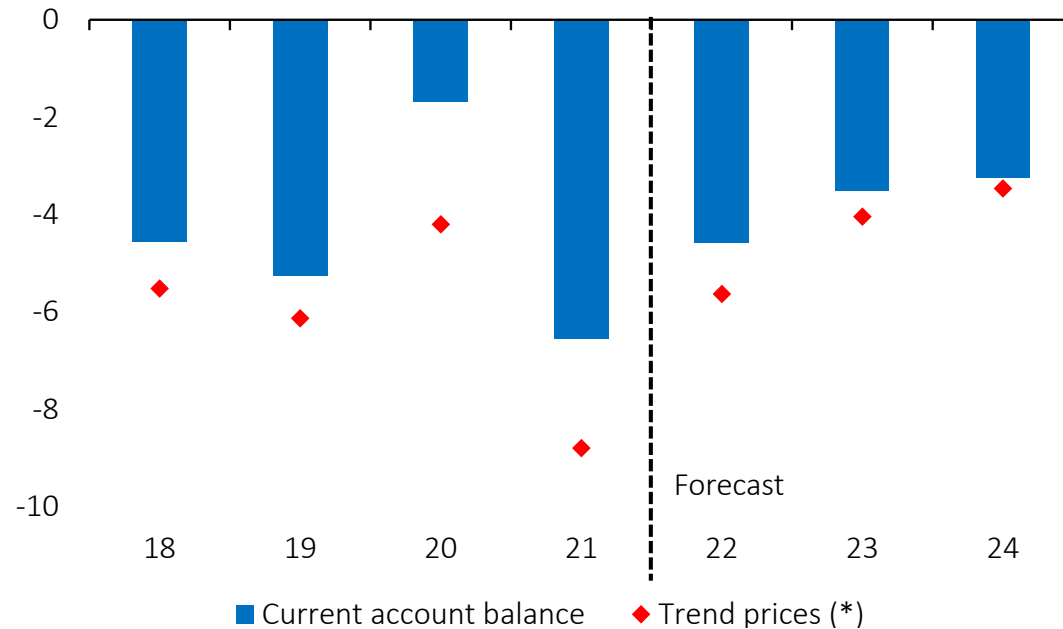


Sources: Central Bank of Chile and Capital Goods Corporation (CBC).

Adjusting spending will also lead to a reduction in the current-account deficit after last year's high.



Current account of the balance of payments  
(percent of GDP, last twelve months)



This forecast is based on:

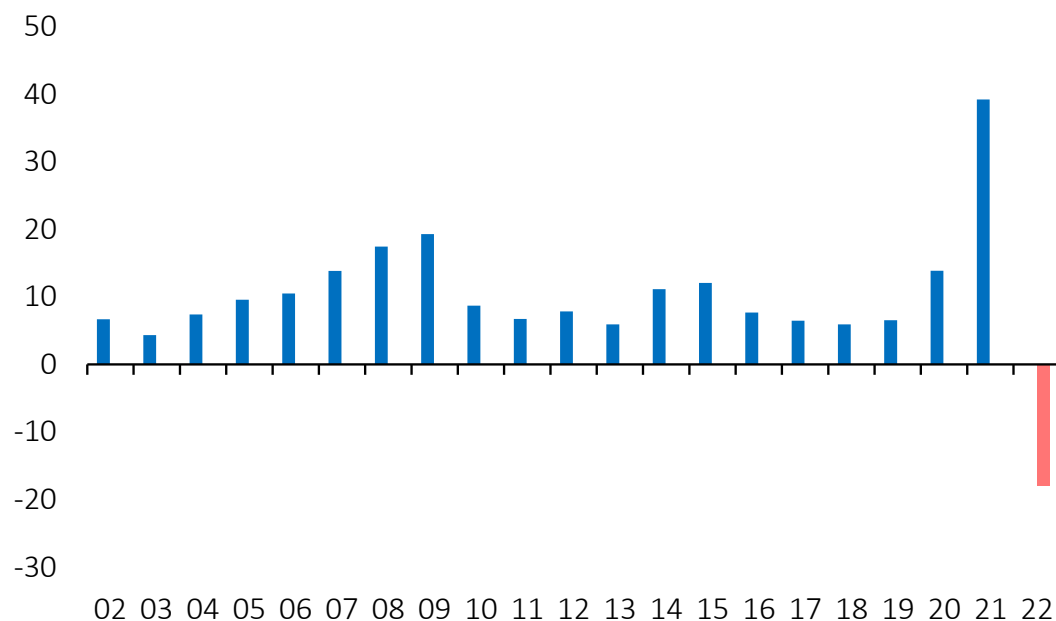
- Lower volumes of imported goods as a result of the expected slowdown in local spending
- Rebound in services exports
- Higher export prices, particularly copper

(\*) For further detail see economic glossary.  
Source: Central Bank of Chile.

On the fiscal side, the central scenario assumes that public spending will be reduced this year as proposed in the approved budget.



Actual fiscal spending and 2022 forecast  
(annual nominal growth, percent)



This forecast is based on:

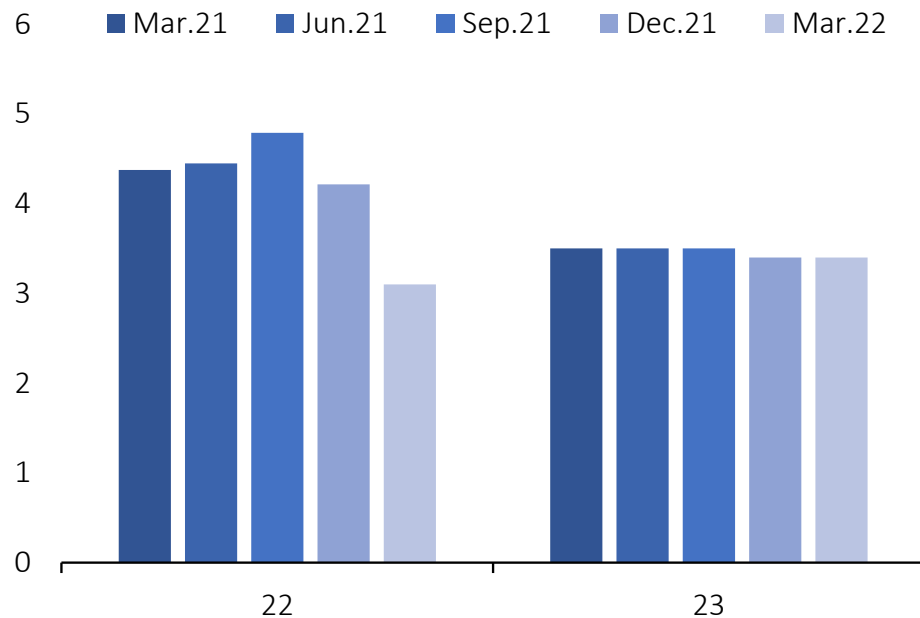
- Reduction in government spending this year according to approved budget
- Spending trajectory in the 2023-2026 period consistent with the structural balance target
- During second quarter, the government is to publish its decree on fiscal responsibility, which will be key for the revision of these assumptions

Sources: Central Bank of Chile and Budget Directorate (Dipres) of the Finance Ministry.

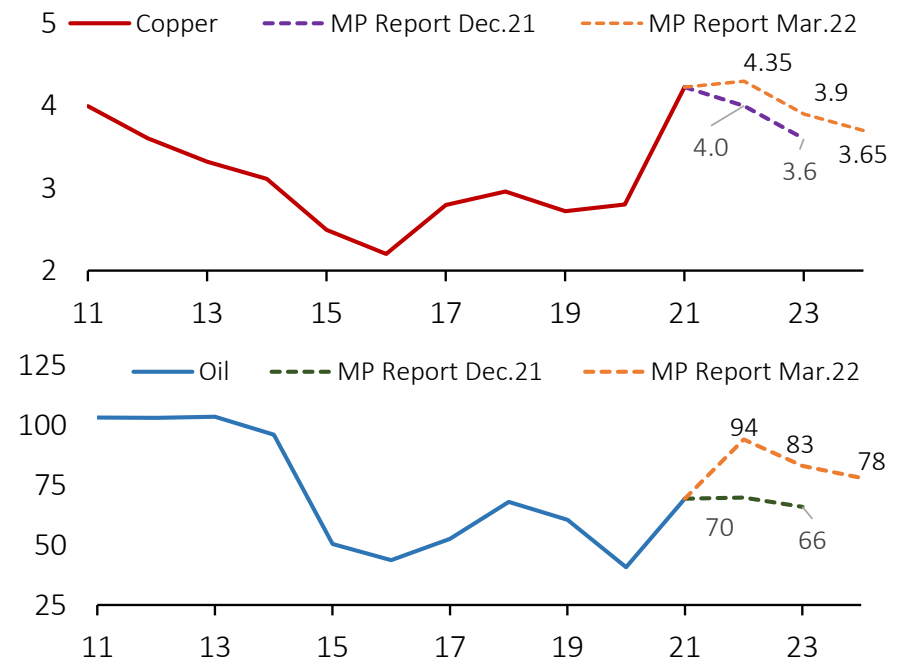
On the external front, these projections consider a decline in world growth and a worsening of the terms of trade, amid the uncertainty added by the war conflict.



World growth forecast  
(annual change, percent)



Actual and projected prices (1) (2)  
(dollars per pound; dollars per barrel)



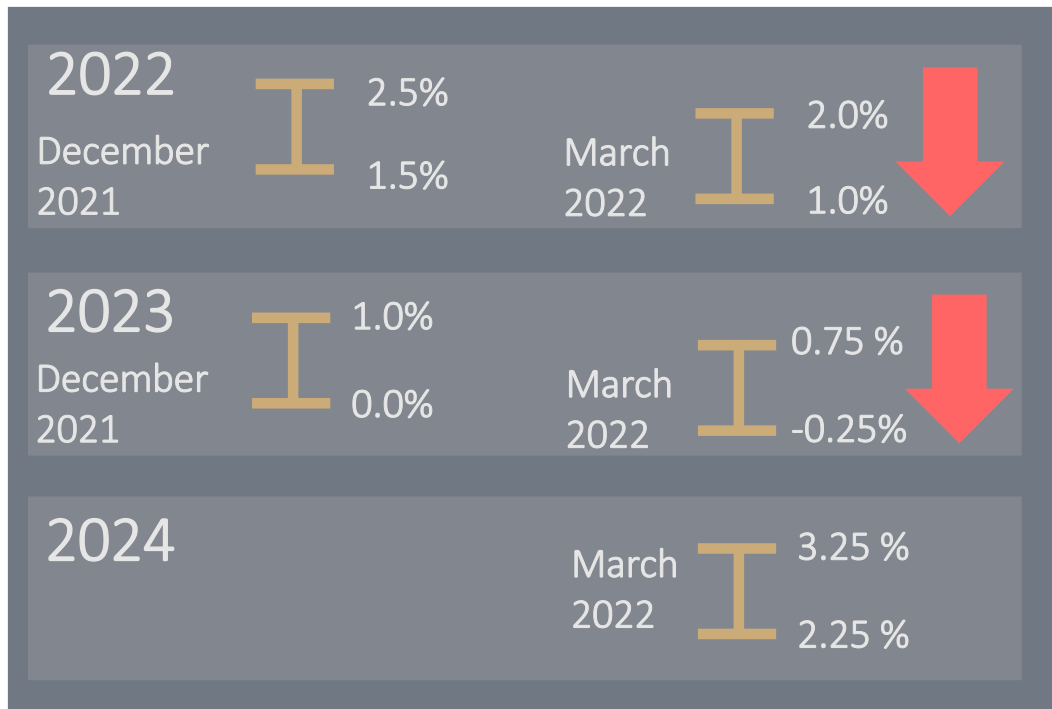
(1) Actual prices refer to the average for each year. Dotted lines indicate the 2022-2024 projections contained in the respective MP Report. (2) For crude oil, WTI-Brent average price per barrel.

Sources: Central Bank of Chile and Bloomberg.

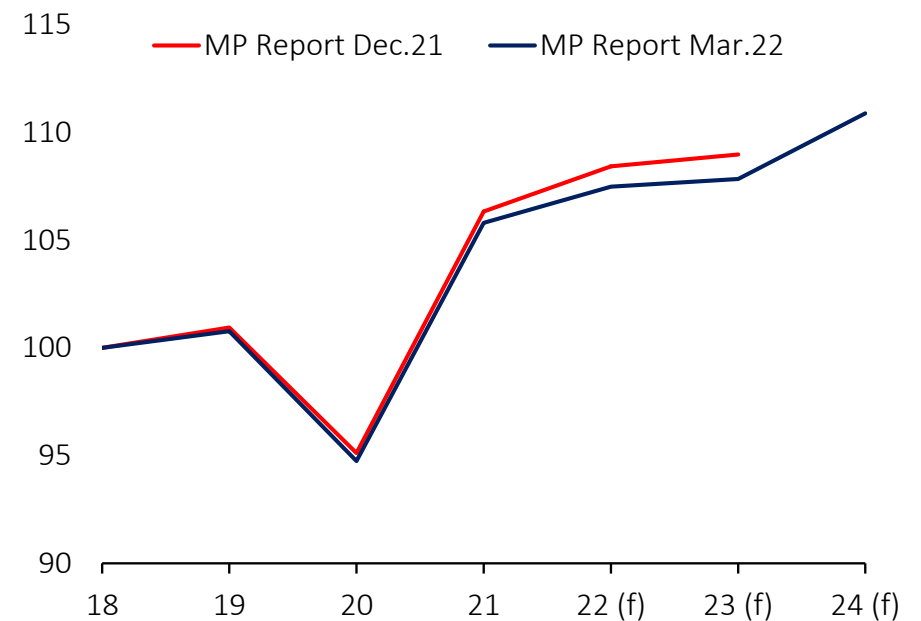
All these factors combined will cause GDP to contract through several quarters. Activity will resume near-potential growth by 2024.



GDP growth forecast (1)  
(annual change, percent)



GDP forecast (2)  
(index, 2018=100)



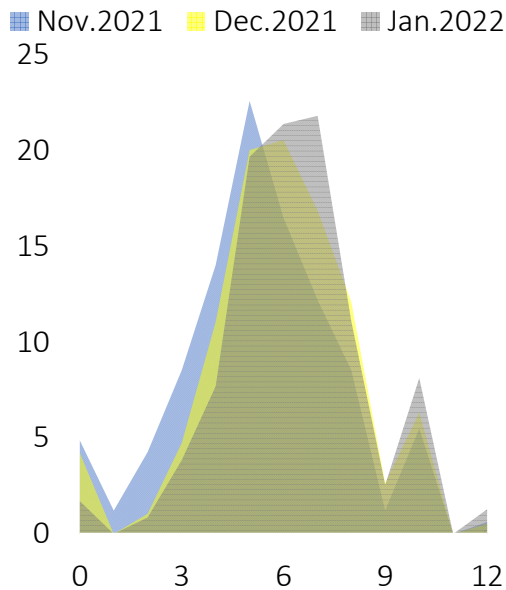
(1) Forecasts contained in respective MP Report. Arrows indicate change from December 2021 projection. (f) Forecast. (2) Forecasts consider midpoint of the growth ranges contained in this MP Report. Source: Central Bank of Chile.

Measures based on companies' perceptions show that their one-year inflation expectations have risen in recent months. But this is not as evident in two-year expectations or in expectations of their own prices.

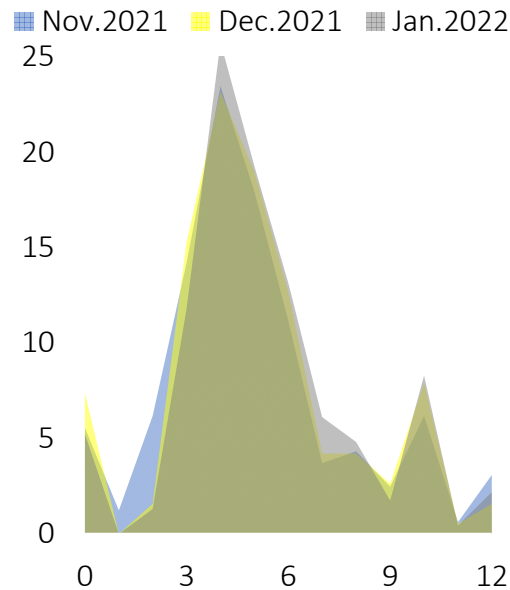


Distribution of inflation expectations and sale prices (percent)

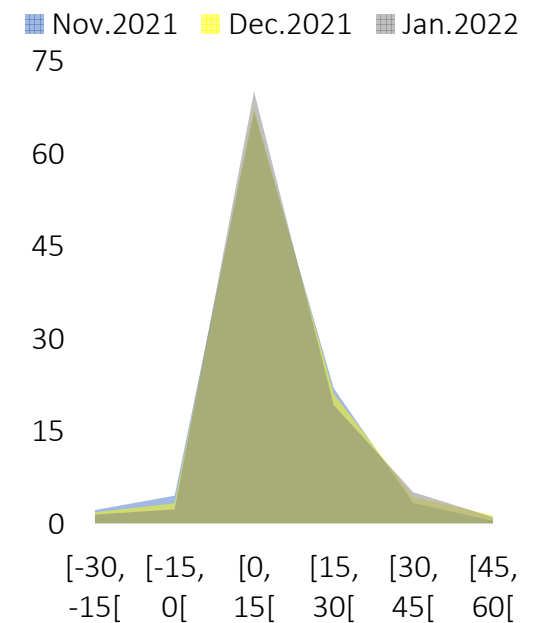
a) Inflation 12 months ahead



b) Inflation 24 months ahead



c) Sale prices 12 months ahead



Source: Survey of Price Determinants and Expectations, Central Bank of Chile.

# Upcoming presentations of the Monetary Policy Report



→	04 April	Elías Albagli	Pontificia Universidad Católica
→	05 April	Alberto Naudon	Universidad Andrés Bello
→	07 April	Pablo García	Junta de Adelanto del Maule and Universidad de Talca
→	19 April	Luis Felipe Céspedes	CORPROA - Copiapó



For clarification of the terms used in the presentation, please visit our [Economic Glossary](#).



# Upcoming economic events



→	1 April	February's Imacec
→	12 April	Economic Expectations Survey - April
→	13 April	Minutes of March monetary policy meeting
→	18 April	Nat. Accounts by institutional sector – 4th quarter 2021
→	18 April	Financial Traders Survey post policy meeting - April
→	2 May	March's Imacec
→	2 May	Financial Traders Survey pre policy meeting - May
→	3 May	Business Perceptions Report - May
→	4-5 May	Monetary policy meeting - May



For details, please visit our [Calendar of economic events](#).



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MARCH 2022