

GLOBAL ECONOMICS | LATAM WEEKLY

February 22, 2021

Latam Weekly: Three Big Questions for EMs

FORECAST UPDATES

 Our forecasts are unchanged from previous publications: although new and revised numbers for actual 2020 GDP in Colombia and Peru came in a touch better than we had estimated, neither development implied the need for alterations to our outlook.

ECONOMIC OVERVIEW

 Three big questions are animating global macro discussions on emerging markets: vaccination roll-outs, prospects for inflation, and sovereign debt sustainability in the wake of exceptional COVID-19 fiscal support packages. We take stock of where the Pacific Alliance countries stand on all three fronts.

PACIFIC ALLIANCE COUNTRY UPDATES

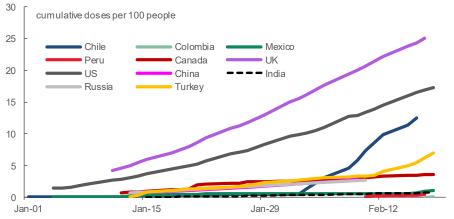
 We assess key insights from end-2020 data and the first weeks of 2021, with highlights on the main issues to watch over the coming fortnight in the Pacific Alliance countries: Chile, Colombia, Mexico, and Peru.

MARKET EVENTS & INDICATORS

 Risk calendar with selected highlights for the period February 22–March 5 across the Pacific Alliance countries, plus their regional neighbours Argentina and Brazil.

Chart of the Week

Vaccination Delivery: Chile's Rising Star



Sources: Scotiabank Economics, Oxford University.

CONTACTS

Brett House, VP & Deputy Chief Economist 416.863.7463 Scotiabank Economics brett.house@scotiabank.com

TABLE OF CONTENTS	
Forecast Updates	2–3
Economic Overview	4–7
Pacific Alliance Country Updates	8–12
Market Events & Indicators	13–14

THIS WEEK'S CONTRIBUTORS:

Jorge Selaive, Chief Economist, Chile 56.2.2619.5435 (Chile) jorge.selaive@scotiabank.cl

Carlos Muñoz, Senior Economist 56.2.2619.6848 (Chile) carlos.munoz@scotiabank.cl

Sergio Olarte, Head Economist, Colombia 57.1.745.6300 (Colombia) sergio.olarte@scotiabankcolpatria.com

Jackeline Piraján, Economist 57.1.745.6300 (Colombia) jackeline.pirajan@scotiabankcolpatria.com

Eduardo Suárez, VP, Latin America Economics 52.55.9179.5174 (Mexico) esuarezm@scotiabank.com.mx

Guillermo Arbe, Head of Economic Research 51.1.211.6052 (Peru) guillermo.arbe@scotiabank.com.pe

Raffi Ghazarian, Senior Research Analyst 416.866.4211 Scotiabank Economics raffi.ghazarian@scotiabank.com





Forecast Updates

	2020 2021 2022															
Argentina	Q1	Q2	Q3	Q4e	Q1f	Q2f	Q3f	Q4f	Q1f	Q2f	Q3f	Q4f	2019	2020e	2021f	2022f
Real GDP (y/y % change)	-5.2	-19.0	-10.2	-6.3	0.6	5.3	5.9	4.8	4.4	4.1	2.9	2.2	-2.1	-10.4	4.1	3.4
CPI (y/y %, eop) Unemployment rate (%, avg)	48.4 10.4	42.8 13.1	36.6 11.7	36.1 11.8	39.1 12.1	44.3 11.9	46.4	42.9 10.8	40.5 10.1	39.5 10.0	37.5 9.7	36.5 9.5	53.8 9.8	36.1 11.8	42.9 11.5	36.5 9.8
Central bank policy rate (%, eop)	38.00	38.00	38.00	38.00	40.00	42.00	44.00	46.00	48.00	48.00	48.00	48.00	55.00	38.00	46.00	48.00
Foreign exchange (USDARS, eop)	64.40	70.46	76.18	84.15	89.90	95.80	99.70	106.10	108.30	107.20	105.00	101.40	59.87	84.15	106.10	101.40
		202	0			202	:1			202	22					
Brazil	Q1	Q2	Q3	Q4e	Q1f	Q2f	Q3f	Q4f	Q1f	Q2f	Q3f	Q4f	2019	2020e	2021f	2022f
Real GDP (y/y % change)	-0.3	-10.9	-3.9	0.1	1.1	3.2	8.9	5.4	3.1	3.6	2.8	2.4	1.4	-5.0	4.6	3.0
CPI (y/y %, eop) Unemployment rate (%, avg)	3.3	2.1 12.9	3.1 13.7	4.5 14.1	4.8 13.8	4.9 12.3	5.0 12.1	5.1 11.7	5.0 11.7	4.9	4.8	4.6	4.3	4.5 13.1	5.1 12.5	4.6
Central bank policy rate (%, eop)	3.75	2.25	2.00	2.00	2.00	2.50	3.50	4.50	5.00	5.50	6.00	6.50	4.50	2.00	4.50	6.50
Foreign exchange (USDBRL, eop)	5.21	5.47	5.61	5.19	5.21	5.02	4.76	4.55	4.47	4.54	4.67	4.63	4.02	5.19	4.55	4.63
		202	0			202	:1			202	22					
Chile	Q1	Q2	Q3	Q4e	Q1f	Q2f	Q3f	Q4f	Q1f	Q2f	Q3f	Q4f	2019	2020e	2021f	2022f
Real GDP (y/y % change)	0.2	-14.5	-9.1	-0.4	0.3	15.6	7.8	1.8	0.8	3.3	4.6	5.3	1.1	-6.0	6.0	3.5
CPI (y/y %, eop) Unemployment rate (%, avg)	3.7 8.2	2.6 12.2	3.1 12.3	3.0 10.6	2.9	3.6 10.5	3.1 9.3	3.0 8.7	2.8 9.4	2.6 8.5	2.7 7.6	3.0 7.1	3.0 7.2	3.0 10.9	3.0 9.8	3.0
Central bank policy rate (%, eop)	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.75	1.00	1.50	1.75	0.50	0.50	1.50
Foreign exchange (USDCLP, eop)	854	821	784	711	720	720	720	720	720	720	710	700	753	711	720	700
	2020				2021				2022							
Colombia	Q1	Q2	Q3	Q4	Q1f	Q2f	Q3f	Q4f	Q1f	Q2f	Q3f	Q4f	2019	2020	2021f	2022f
Real GDP (y/y % change)	0.7	-15.8	-8.5	-3.6	-3.2	14.1	5.8	3.4	4.2	4.1	3.6	4.2	3.3	-6.8	5.0	4.0
CPI (y/y %, eop) Unemployment rate (%, avg)	3.9 12.6	2.2	2.0 17.6	1.6 13.8	1.0 14.8	2.2	2.4 12.6	2.8 12.1	3.0 12.0	3.0 11.5	3.0 11.2	3.0	3.8	1.6 15.9	2.8	3.0
Central bank policy rate (%, eop)	3.75	2.75	1.75	1.75	1.75	1.75	2.00	2.50	3.00	3.50	4.00	4.00	4.25	1.75	2.50	4.00
Foreign exchange (USDCOP, eop)	4,065	3,758	3,828	3,428	3,473	3,465	3,458	3,450	3,438	3,425	3,413	3,400	3,287	3,428	3,450	3,400
		202	.0			202	:1		2022							
Mexico	Q1	Q2	Q3	Q4	Q1f	Q2f	Q3f	Q4f	Q1f	Q2f	Q3f	Q4f	2019	2020	2021f	2022f
Real GDP (y/y % change)	-1.4	-18.7	-8.6	-4.5	-5.0	15.1	2.1	3.0	1.0	1.6	2.3	3.6	0.0	-8.3	3.3	2.1
CPI (y/y %, eop) Unemployment rate (%, avg)	3.2 2.9	3.3 5.5	4.0 5.1	3.2	3.5 4.2	3.4	3.0	3.8	3.8	3.7	3.7 4.7	3.6	2.8	3.2 4.3	3.8 4.0	3.6 4.2
Central bank policy rate (%, eop)	6.50	5.00	4.25	4.25	4.00	4.00	3.50	3.50	3.75	4.00	4.25	4.50	7.25	4.25	3.50	4.50
Foreign exchange (USDMXN, eop)	23.67	22.99	22.11	19.91	20.80	21.43	21.95	22.09	22.23	22.03	22.05	22.35	18.93	19.91	22.09	22.35
		202	0			202	:1			202	22					
Peru	Q1	Q2	Q3	Q4	Q1f	Q2f	Q3f	Q4f	Q1f	Q2f	Q3f	Q4f	2019	2020	2021f	2022f
Real GDP (y/y % change)	-3.7	-30.0	-9.0	-1.7	-0.8	30.1	4.4	6.3	4.5	6.2	3.4	3.4	2.2	-11.1	8.7	4.0
CPI (y/y %, eop) Unemployment rate (%, avg)	1.8	1.6	1.8 16.3	2.0 13.8	3.0 14.0	2.9	2.7	2.6	2.6	2.5 9.0	2.5 8.8	2.3	1.9 6.6	2.0	2.6 12.0	2.3 9.0
Central bank policy rate (%, eop)	7.8			10.0	14.0			0.25	0.25	0.25	0.50	0.50	2.25	0.25	0.25	0.50
F	7.8 1.25	16.3 0.25	0.25	0.25	0.25	0.25	0.25	0.23								
Foreign exchange (USDPEN, eop)				0.25 3.62	0.25 3.65	0.25 3.63	3.58	3.55	3.54	3.52	3.51	3.50	3.31	3.62	3.55	3.50
Foreign exchange (USDPEN, eop)	1.25	0.25	0.25 3.60				3.58						3.31			3.50
United States	1.25	0.25 3.54	0.25 3.60			3.63	3.58			3.52			2019			3.50 2022f
United States Real GDP (y/y % change)	1.25 3.43 Q1	0.25 3.54 202 Q2 -9.0	0.25 3.60	3.62	3.65	3.63 202	3.58 21 Q3f 6.3	3.55 Q4f 6.9	3.54 Q1f 7.3	3.52 202 Q2f 5.3	Q3f 3.0	3.50 Q4f	2019 2.2	3.62 2020 -3.5	3.55 2021f 5.8	2022f 4.3
United States Real GDP (y/y % change) CPI (y/y %, eop)	1.25 3.43 Q1 0.3 1.5	0.25 3.54 202 Q2 -9.0 0.6	0.25 3.60 0 Q3 -2.8 1.4	Q4 -2.5 1.4	3.65 Q1f -0.8 1.5	202 Q2f 11.4 1.8	3.58 21 Q3f 6.3 2.0	3.55 Q4f 6.9 2.1	3.54 Q1f 7.3 2.3	3.52 202 Q2f 5.3 2.5	Q3f 3.0 2.6	Q4f 1.7 2.7	2019 2.2 2.0	3.62 2020 -3.5 1.2	3.55 2021f 5.8 2.1	2022f 4.3 2.7
United States Real GDP (y/y % change)	1.25 3.43 Q1	0.25 3.54 202 Q2 -9.0	0.25 3.60 0 Q3	Q4 -2.5	3.65 Q1f -0.8	3.63 202 Q2f 11.4	3.58 21 Q3f 6.3	3.55 Q4f 6.9	3.54 Q1f 7.3	3.52 202 Q2f 5.3	Q3f 3.0	3.50 Q4f	2019 2.2	3.62 2020 -3.5	3.55 2021f 5.8	2022f 4.3

Source: Scotiabank Economics.

Red indicates changes in estimates and forecasts since previous *Latam Weekly* on February 8, 2021.

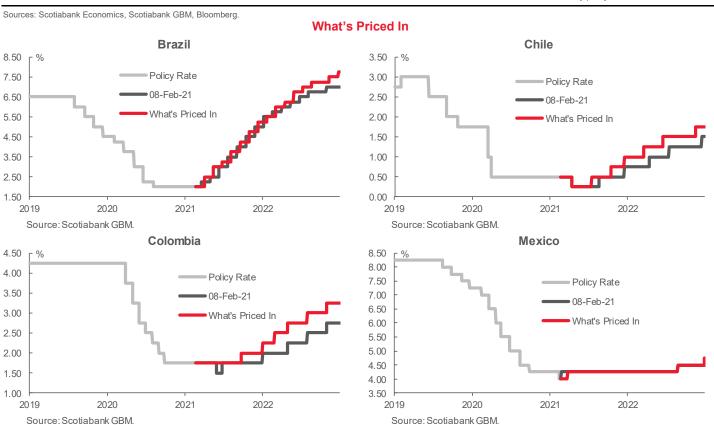


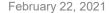


Forecast Updates: Central Bank Policy Rates and Outlook

Latam Central Banks: Policy Rates and Outlook

	_	Next Sc	heduled M	eeting	Market F	Market Pricing		recast	_
	Current	Date	Market	BNS	12 mos	24 mos	End-2021	End-2022	BNS guidance for next monetary policy meeting
Argentina, BCRA, TPM, n.a.	38.00%	n.a.	n.a.	40.00%	n.a.	n.a.	46.00%	48.00%	After cutting the benchmark Leliq rate by -200 bps in October 2020, the BCRA reversed these moves on Nov. 12, 2020 as negotiations resumed with the IMF mission. We brought forward additional gradual hikes to take real rates back into positive territory to control inflation and shore up the ARS.
Brazil, BCB, Selic	2.00%	Mar-17	2.40%	2.00%	5.97%	7.82%	4.50%	6.50%	The Copom held the Selic at 2.00% on Jan. 20, withdrew its forward guidance, and inched toward an earlier hike than consensus has been anticipating. We maintain our longstanding call that the Copom will begin lifting the Selic in Q2-2021, with a risk that it could move earlier.
Chile, BCCh, TPM	0.50%	Mar-30	0.41%	0.50%	1.08%	1.78%	0.50%	1.50%	At its Wednesday, January 27, meeting, the BCCh's Board maintained its monetary policy rate at 0.5% and kept its dovish bias. The minutes released February 11, indicated that the Board agreed that the recent increase in inflation was driven mainly by short-term phenomena and should not prompt a change in the BCCh's overall stance.
Colombia, BanRep, TII	1.75%	Feb-26	1.69%	1.75%	2.43%	3.47%	2.50%	4.00%	The February Board meeting is not scheduled to feature a rate decision unless there is an exceptional request, but we think the probability of this is low. We expect the policy rate to be kept on hold over the coming months since restrictions are likely to be eased and annual inflation should begin rising after Q1-2021. We foresee hikes later in the year to take the policy rate to 2.50% by end-2021.
Mexico, Banxico, TO	4.00%	Mar-25	4.26%	4.00%	4.19%	4.79%	3.50%	4.50%	At the Board's first monetary-policy meeting of the year on Thursday, February 11, Governors unanimously lowered the target rate by -25 bps to 4.00%. The Board characterized the balance of risks to inflation as uncertain, with risks to growth skewed to the downside. We anticipate that the Board's next moves will remain dependent on inflation data and the evolution of the economy in the coming months. Once the expected pickup in inflation in the second quarter has passed, a window of opportunity for additional cuts should open again. Our current forecast anticipates -50 bps in cuts during Q3-2021.
Peru, BCRP, TIR	0.25%	Mar-11	n.a.	0.25%	n.a.	n.a.	0.25%	0.50%	Inflation has risen to 2.7% y/y and has been above expectations for a few months. If this trend continues, it could begin to pose a challenge for the BCRP's current monetary-policy stance.







Economic Overview: Vaccines, Inflation, & Debt

- Central banks have a quiet fortnight ahead, with only minutes and a new quarterly Inflation Report coming from Mexico's Banxico.
- We look at three big questions animating global macro discussions on emerging markets: vaccination roll-outs, prospects for inflation, and sovereign debt sustainability in the wake of exceptional COVID-19 fiscal support packages. We take stock of where the Pacific Alliance countries stand on all three fronts.

FORECASTS: STEADY ON

Our forecasts have been held steady from previous publications: new and revised numbers for actual 2020 GDP in Colombia and Peru came in a bit better than we had estimated for both countries, but neither development implied the need for alterations to our forecasts. In Colombia, real GDP contracted by -6.8% y/y in 2020 compared with our estimate of -7.5% y/y; we retain our expectation of 5.0% y/y growth in 2021. Similarly, Peru's real economic contraction in 2020 ended up at -11.1% y/y, close to our estimate of -11.4% y/y. Our team in Lima holds its forecast for 2021 growth at 8.7% y/y, well below the BCRP staff's ambitious projection of an 11.5% y/y expansion. We believe the BCRP's number will be revised closer to ours when its outlook is updated in the next *Inflation Report*, which is set to be published in March.

CENTRAL BANKS: BANXICO MINUTES CALIBRATE ROOM FOR MORE EASING

The fortnight ahead is set to see few scheduled developments on the monetary policy front, with no rate decisions in the calendar for the next two weeks (see Central Bank Policy Rates and Outlook, p. 3).

• Mexico. Banxico's regular calendar anticipates on Thursday, February 25, the release of the minutes from its last monetary-policy rate decision on Thursday, February 11, where the Governors voted unanimously to make a -25 bps cut to the Bank's headline policy rate, taking it down to 4.00% (chart 1)—its lowest level since May 2016. Although a solid majority of analysts expected the cut, most were surprised by the fact that all five Board members supported the move after Deputy Gov. Heath had indicated that the window for cuts may not open again until April or May.

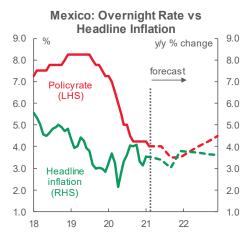
The <u>statement</u> underscored that "incoming information allows for a monetary policy adjustment". The Board saw the balance of risks as uncertain, but prospects for growth were skewed to the downside. As a result, the Board's forward guidance was fairly neutral, noting that "monetary policy implementation will depend on the evolution of the factors that impact headline and core inflation, their expected trajectories within the forecast horizon, and their expectations."

It's expected that level effects will keep annual headline inflation up over the coming months (chart 2), but sequential monthly inflation is likely to remain subdued. Once the economy gets through this price hump, we see a new window of opportunity for additional cuts to support the economy through soft trade volumes, weak investment, and damp domestic demand (chart 1, again).

CONTACTS

Brett House, VP & Deputy Chief Economist 416.863.7463 Scotiabank Economics brett.house@scotiabank.com

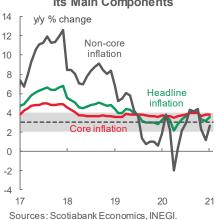
Chart 1



Sources: Scotiabank Economics, Banxico, INEGI.

Chart 2

Mexico: Headline Inflation & Its Main Components







We will be scrutinizing the minutes for any indications from the Board's members regarding their perceptions of Banxico's remaining room for further easing in its policy rates. Monetary-policy decisions over the next few months will need to balance Mexico's relatively weak domestic prospects with the implications of a strengthening global economy.

Our team in Mexico City continues to expect -50 bps in cuts during Q3-2021 (see Forecast Updates, p. 2).

Banxico's next quarterly <u>Inflation Report</u> is due for publication on Wednesday, March 3. By then, Banxico's staff will have inflation data for the first half of February (Feb. 24), detailed numbers on Q4-2020 GDP (Feb. 25), and February manufacturing results (Mar. 01).

Colombia. The BanRep Board is due to meet on Friday, February 26, but the discussion is not scheduled to feature a
policy-rate decision unless exceptional circumstances motivate a change in the agenda.

MACRO DATA: PRICES—GETTING PRICIER?

- Chile. January producer price index (PPI, Feb. 24) could give some insight on further incipient price pressures, while Feb. 26 sees the arrival of a raft of real-activity indicators. The January unemployment rate is expected to remain unchanged from December at 10.3% on rising participation, while January's manufacturing and retail numbers are projected to reflect strong momentum and demand fuelled by pension assets. As a result, January's economic activity index (Mar. 1) should come back to levels from a year ago—a point it hit briefly in November 2020, which means Chile would join Peru (see our February 16 Latam Daily) in reaching this monthly year-on-year watermark.
- Colombia. Although the recovery continues, January unemployment rates (Feb. 24) likely backed up a bit owing to new lockdowns at the start of the year while participation rates rose. Sequential price pressures are expected to have remained strong in February's print (Mar. 5) even though level effects would take annual headline inflation down from 1.6% y/y in December to 1.4% y/y in January.
- Mexico. Price data for the first half of February (Feb. 24) are likely to show some decline in sequential monthly inflation, but level effects should still push up the annual headline measure from 3.7% y/y in late-January to around 3.9% y/y. Detailed GDP data for Q4 (Feb. 25) should confirm an -8.3% y/y contraction for all of 2020 and underpin a refresh of our forecasts in the following week.
- **Peru.** February's likely inflation numbers (Mar. 1) are the subject of some debate over whether January's jump to 0.7% m/m and 2.7% y/y was a temporary aberration or the beginning of a persistent drift upward. Our team in Lima expects sequential

Table 1

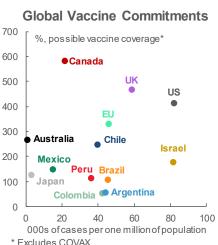
COVID-19 Vaccine Commitments, Doses Administered, & Disease Incidence

	Commit	ments, mn dos	ses*	Vaccine doses	Cumul. cases per
	Confirmed	Potential	Total	admin'd per 100	100k people
EU	1,885.0	640.0	2,525.0	n.a.	4,628.6
US	1,210.0	1,200.0	2,410.0	17.3	8,434.0
UK	457.0	112.0	569.0	25.0	6,014.9
Brazil	232.0	210.0	442.0	2.9	4,719.0
Canada	338.0	60.0	398.0	3.6	2,225.8
Mexico	143.8	176.0	319.8	1.0	1,582.8
Japan	314.0	0.0	314.0	0.0	333.2
Australia	124.8	10.0	134.8	0.0	113.6
Peru	72.0	17.0	89.0	0.4	3,797.6
Chile	88.4	0.0	88.4	12.4	4,122.9
Argentina	47.0	0.8	47.8	1.4	4,528.7
Colombia	41.5	0.0	41.5	0.0	4,348.3
Israel	18.0	10.0	28.0	81.8	8,571.8
Israel					,-

^{*} Excludes COVAX.

Sources: Scotiabank Economics, Duke University, JHU, Oxford University, national authorities.

Chart 3



Sources: Scotiabank Economics, Duke University





monthly inflation to cool to 0.3% m/m, but level effects imply that would still lift annual headline inflation to 2.8% y/y, taking it near the top of the 1–3% y/y target range for a time.

VACCINES AND VACCINATIONS: GETTING BETTER

As Scotiabank Economics' February 12 Global Week Ahead argued here, there's a need to reset the global narrative on vaccines and vaccinations—pessimism owing to hiccups in the roll-out of shots has been overdone and reality is rapidly catching up on these sentiments. By this past weekend, mass vaccination programs had begun in all six of Latam's major economies (table 1); existing and potential vaccine purchases commitments, even when one abstracts from procurement via COVAX, are sufficient to cover the populations in Brazil, Chile, Mexico, and Peru, with additional doses still needed in Argentina and Colombia (chart 3). In less than three weeks, Chile's mass vaccination program has put it amongst the global leaders in per capita doses administered (chart of the week, p. 1, and chart 4). The rest of Latam is set to step up progress in the coming weeks.

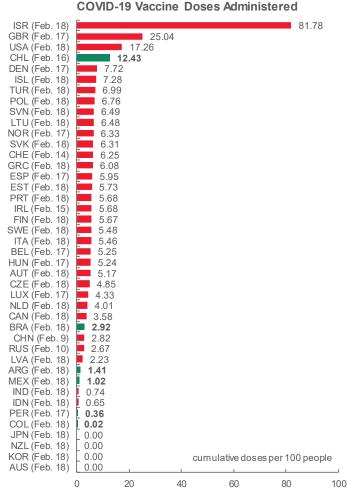
Nevertheless, speeding the delivery of vaccinations across emerging markets is critical to the ongoing recovery of the global economy. A recent NBER working paper (see Useful References at the end of this section) projects that even if developed markets achieve universal coverage of their populations later this year, they will still bear nearly 49% of the economic costs of the pandemic in 2021 owing to trade links with the rest of the world. The costs of underwriting global vaccine delivery would be minuscule by comparison.

INFLATION: SET TO STAY IN RANGE

Narrowing output gaps in some developed markets, such as Canada and the US (see our February 4 *Global Forecasts* and a related note), are prompting concern about a possible

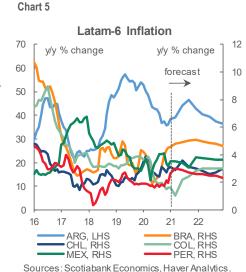
concomitant rise in emerging-market inflation. While Brazil is seeing persistent price pressures that should prompt the region's first rise in policy rates, and Argentina remains far from a policy mix that would bring inflation under control, price gains are set to stay within central-bank target ranges in the Pacific Alliance countries (PACs, chart 5). Recent spikes in Chile and Peru are expected to be transitory as economic support measures wane. Colombia's soft headline inflation numbers are projected to rise later this year as level effects wear off, but they should eventually converge on the BanRep's 3% y/y target. In contrast, level effects in Mexico should take headline inflation down at mid-year and provide space for more easing by Banxico. Across

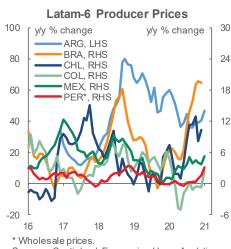




 $Sources: Scotia bank \ Economics, Oxford \ University.$

Chart 6





Sources: Scotiabank Economics, Haver Analytics.



February 22, 2021

the PACs, recovering labour markets and mixed credit growth are not yet strong enough to sustain durable upward price pressures over the forecast horizon. Producer-price indices (PPIs) are on the rise across Latam (chart 6), but these gains have been anticipated in our headline inflation forecasts.

SOVEREIGN DEBT: SUSTAINABLE

The COVID-19 pandemic prompted unprecedented policy responses by both developed-market and emerging-market governments, and now concerns are naturally turning to how these authorities will cope with the resultant boost in public debt stocks. The PAC governments' key debt metrics continue to compare favourably with those in other major economies. As we highlighted in our February 8

Table 2	
Key Debt	Metrics

T . . .

	Real interest rate, ¹ %	Government debt, ² % of GDP	2s10s differential, bps
Argentina	-2.5	97	294
Brazil	-3.0	102	272
Chile	-2.3	41	234
Colombia	-1.3	60	236
Mexico	0.2	52	335
Peru	-2.4	35	333
Canada	-1.8	112	97
US	-2.1	129	123

¹ Real interest rate = current policy rate - BNS expected inflation, end-Q1-2022, % y/y.

<u>Latam Weekly</u>, on one of the most basic measures of sovereign debt sustainability—forecast real growth rates versus real interest rates—IMF projections imply that the PACs are set to be able to cover the costs of servicing existing and new debt. Real interest rates are strongly negative, with the exception of Mexico, and debt burdens are relatively low (table 2). Although long-term debt-servicing costs are set to rise with steepening yield curves, higher long-term nominal rates reflect improving growth prospects.

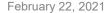
USEFUL REFERENCES

- P. Alvelda, T. Ferguson, and J. Mallery (2020), "To Save the Economy, Save People First", *Institute for New Economic Thinking Article*, November 18: https://www.ineteconomics.org/perspectives/blog/to-save-the-economy-save-people-first
- C. Bown, M. de Bolle, and M. Obstfeld (2021), "The pandemic is not under control anywhere unless it is controlled everywhere", *PIIE Real Time Economic Issues Watch*, February 2: https://www.piie.com/blogs/realtime-economic-issues-watch/pandemic-not-under-control-anywhere-unless-it-controlled
- C. Cakmakli, S. Demiralp, S. Kalemli-Ozcan, S. Yesiltas, and M. Yildirim (2021), "The Economic Case for Global Vaccinations: An Epidemiological Model with International Production Networks", *NBER Working Paper 28395*, January: https://www.nber.org/papers/w28395
- C. Cookson and A. Gross (2021), "What we know about the most troublesome Covid mutations", *Financial Times*, February 8: https://www.ft.com/content/71e53321-3719-4f10-9406-c614a5ddc1b8

World Bank (2021), Global Economic Prospects, January 5: https://www.worldbank.org/en/publication/global-economic-prospects

² General government gross debt, Q4-2020 IIF estimate; Peru Q4-2020 BCRP estimate; Mexico Q4-2020 Ministry of Finance estimate.

Sources: Scotiabank Economics, IIF, BCRP, Mexico MinFin, Bloomberg.





Pacific Alliance Country Updates

Chile—Mass Vaccination Continues Moving Forward; Inflation Surprises to the Upside

Jorge Selaive, Chief Economist, Chile 56.2.2619.5435 (Chile) jorge.selaive@scotiabank.cl Carlos Muñoz, Senior Economist 56.2.2619.6848 (Chile) carlos.munoz@scotiabank.cl

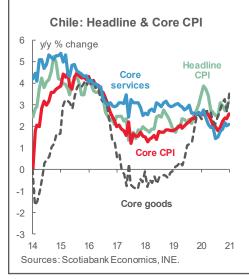
Mass vaccination continues to be the main development in the Chilean economy. The pace at which Chile is inoculating its population is remarkable: around 200 thousand shots per day are being administered, and according to the latest estimates, the country could achieve herd immunity by mid-year, far ahead of previous expectations.

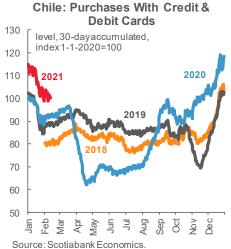
In data released Monday, February 8, January CPI stood at 0.7% m/m, influenced by notable pressures on the prices of mass consumer goods due to a strong increase in the disposable income of households and relatively limited inventories. Coupled with seasonal rises in food prices that were somewhat greater than in the previous year and a lift in international fuel prices, CPI growth reached one of the highest rates that has been seen in January. With this, annual inflation hit 3.1% y/y (first chart). However, a note of caution regarding inflation is provided by the weakness of the labour market, which continues to be the main concern for the central bank (BCCh) when evaluating the extent to which these inflation results are transitory and calibrating its monetary stimulus in response.

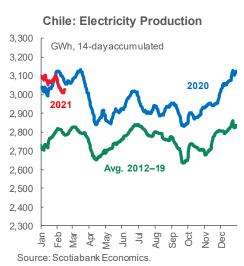
On Thursday, February 11, the minutes of the BCCh Board's monetary-policy meeting on January 27 were published. The account of the Directors' deliberations confirmed the dovish stance communicated in the meeting's statement. The Board's discussions showed a clear effort to complement fiscal policy and acknowledged that there are still wide output gaps to close. In the January 27 meeting, the Board voted unanimously to hold the benchmark policy rate at its "technical minimum" of 0.5%.

Our high-frequency indicators show that transactions growth has continued decelerating in the past weeks, closely approaching 2020's levels (second chart). Data show that spending coming from the withdrawal of pension assets is losing momentum. By segments, supermarkets is the only category that shows high—though declining—levels of transactions, while department stores, clothing, restaurants, and tourism travel are all subdued. Electricity generation levels have also fallen in the past few weeks, with prints below 2020 records (third chart).

The next fortnight will be full of tier-1 data releases. On Friday, February 26, sectoral and employment data for the month of January will be published. We expect an increase of 6% y/y in January retail sales, as the second withdrawal of pension assets was still boosting private consumption last month. Manufacturing output should rise by 2% y/y as a certain momentum has started building around industrial activity despite mobility restrictions. We estimate that January's unemployment rate remained at 10.3% as the widening in the active workforce matched new jobs growth while mobility restrictions were still in place. On













Monday, March 1, monthly GDP data for January will come out. We estimate that the gap compared with a year ago will reclose; year-on-year growth would be higher were it not dampened by a high base for comparison from January 2020 and a tightening in COVID-19 rules. Mining activity should pick up after the subdued print in December.

Colombia—Economic Resilience and Our Inflation Forecasts Lead Us to Maintain Our Expectation of Rate Hikes from Q3-2021

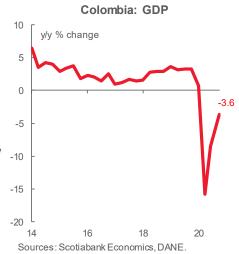
Sergio Olarte, Head Economist, Colombia 57.1.745.6300 (Colombia) sergio.olarte@scotiabankcolpatria.com

Jackeline Piraján, Economist 57.1.745.6300 (Colombia) jackeline.pirajan@scotiabankcolpatria.com

During 2020, mobility restrictions related to the COVID-19 outbreak were the driver of the global economic contraction; in Colombia, almost 40% of the economy was shut down during Q2-2020. Once people could partially return to work and adapted to new norms, the ensuing recovery in many economies surprised to the upside. With Colombia's "new normal" re-opening scheme in place since September 2020, the relaxation of mobility and other public-health restrictions boosted Q4-2020 GDP above most estimates. In fact, Q4-2020 GDP growth was -3.6% y/y (first chart) while the market consensus expectation was -4.5% y/y.

After the first round of lockdowns in 2020, economic agents began to learn how to manage mobility restrictions and mitigate their negative effects, which we saw in January this year when measures were re-imposed. In fact, despite the recent partial lockdowns in Colombia's main cities, indicators for the first month of the year, such as energy demand and gasoline consumption, showed milder effects from the new round of restrictions (-2.4% y/y and -9% y/y, respectively) than we saw last year. As a result, we estimate that the economic recovery slowed a bit from Q4-2020 into January. But once the peak of the COVID-19 second wave passed at mid-month, restrictions were eased and economic activity picked up again. Activity by Scotiabank Colpatria's debt- and credit-card clients showed increased consumption of more non-essential items heading into February (second chart), a sign of rising domestic demand.

Therefore, we maintain our constructive view on Colombia's recovery in economic activity and we still expect GDP growth in 2021 of 5% y/y (see Forecast Updates, p. 2). This unchanged forecast reflects offsetting effects from Q4-2020's strong results and the mildly negative impact of the latest round of restrictions in January 2021. With the beginning of the country's mass vaccination program this week, 2021 should see ongoing improvements in Colombia's economy and, consequently, more price pressures. Higher global supply costs and increased freight charges owing to some bottlenecks in international trade lines are expected to impose pass-through effects on domestic prices. As a result, the BanRep Board is likely to change its negative bias on economic activity at its next monetary-policy meeting on March 26 and keep its benchmark policy rate at 1.75%.

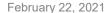


Colombia: Transactions With Credit & Debit Cards Compared With February Levels (7-Day Average)



Source: Scotiabank Colpatria data

To test our rate forecasts, we ran a hypothetical exercise using our estimates of the BanRep's reaction function combined with the central bank staff's current projections for inflation, the output gap, and the neutral real policy rate. We found that even using the BanRep staff's dovish forecasts, the model implied the need for a slightly lower nominal monetary policy rate during Q1-2021 followed by a quick reversal upward in Q2-2021 owing to a projected pick-up in headline inflation rates. We think economic activity—and price pressures—are set to be a bit stronger than the BanRep staff's forecasts, which means that the central bank's own reaction function implies that the BanRep Board is likely to start discussing rate hikes by June this year. It will be important to keep an eye on the Board's voting composition: we expect unanimity to be restored (the Board's January 29 decision to hold at 1.75% came via a 5-2 split vote) once economic activity regains some traction and monthly headline inflation begins converging again toward the 3% y/y target.





Mexico—Economic Rebound Remains Driven by Exports Sector; Power Bill in the Pipeline

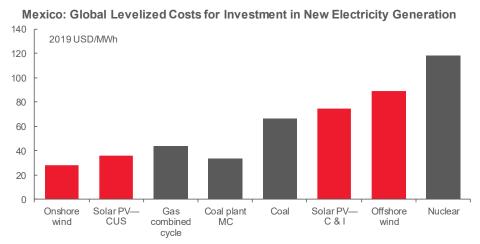
Eduardo Suárez, VP, Latin America Economics 52.55.9179.5174 (Mexico) esuarezm@scotiabank.com.mx

Mexico sees only a few major indicators coming out over the next couple weeks. We expect a slowdown in December retail sales (Feb. 24), which was foreshadowed by the big drop in ANTAD same store sales in January. This could be particularly tough on the sector following a large build in inventories going into the end-2020 holiday season. A similar pattern is likely when we get final and detailed Q4-2020 GDP numbers. Preliminary data showed a second consecutive very strong quarter for net exports owing to solid growth in exports while imports continued to lag. Similarly, investment indicators have been soft. All of this implies that domestic demand remains depressed and the strongest drivers of the recovery continue to be external demand.

On February 1, President Lopez Obrador <u>submitted</u> to Congress a "priority" bill to reform the country's power sector. Priority initiatives need to be put to a vote in the Chamber of Deputies within 31 days of their unveiling; they then move from the Lower House to the Senate. The priority bill would roll back competition in the sector that had been introduced by the previous administration and establish tiered priorities for energy distribution based on the generator and the energy sourced used, along the following lines:

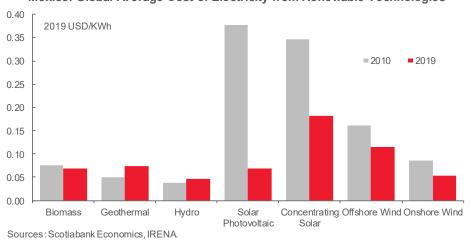
- Hydro power would be given top priority;
- Traditional power plants operated by the CFE (Comisión Federal de Electricidad), the public-sector power utility, would come next;
- Privately-generated wind and solar would follow; and
- Electricity produced by privatesector gas combined-cycle generators would be the last to be distributed and purchased.

The bill carries with it a range of additional possible implications that could generate some uncertainty for private investment in the sector, where most existing commitments would fall into lower-tier priority segments in the scheme outlined above. The bill would also change the guidelines for the previously established Certificates of Clean Energy (CELs): the bill would make them available to plants constructed before 2014. In addition, the Energy Regulatory Commission (CRE) would be granted discretionary powers, which could include the capacity to revise self-generation power contracts, among other changes.



Sources: Scotiabank Economics. IMF.

Mexico: Global Average Cost of Electricity from Renewable Technologies







There are further strategic angles to consider in assessing the possible impact of this bill and its tiered priorities:

- On a comparison of current costs, renewable energy sources look increasingly attractive versus other options, especially at the scale of major utilities (first chart); and
- Amongst renewable energy sources, the bill would give the highest priority to hydro, whose costs appear to have risen recently, while lower-priority solar and wind have seen big costs reductions (second chart)

At this point, it appears that the bill has support from Morena and could be passed by Congress as soon as this week.

Peru—Politics Dominate the Scene Once Again in February

Guillermo Arbe, Head of Economic Research 51.1.211.6052 (Peru) guillermo.arbe@scotiabank.com.pe

A new fault line has emerged at the intersection of COVID-19 with politics. A number of prominent politicians and health officials have been accused of surreptitiously obtaining Sinopharm vaccines for personal benefit. The vaccines had arrived in September, as an addition to doses for use in experimental trials. Reportedly, 487 people received vaccinations without being part of the trials, including ex-President Vizcarra, the Foreign Minister Elizabeth Astete, and the former Health Minister Pilar Mazzetti. Min. Astete resigned as a result of the ensuing scandal; Min. Mazzetti had left her post earlier in February under pressure from Congress over a separate issue. The broader concern is that this new development may provide members of Congress with an opportunity to attempt to undermine the Sagasti government. Moves in this direction, however, are unlikely to be successful given that Pres. Sagasti himself, and most of his cabinet, were not implicated in the situation.

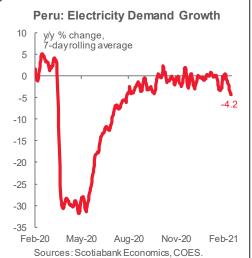
Meanwhile, both businesses and households are awaiting with bated breath the government decision due this week on whether the mobility restrictions currently in place throughout much of the country until February 28 will be extended into March. The government is likely to make an announcement around February 25. The chance of an extension is high, although some modifications to existing rules are also likely.

At the same time, we are waiting for the release of data that will give us insight on the magnitude of the impact of the current round of restrictions on the economy. So far, the only data we have is electricity demand, which contracted -4.2% y/y during the week ending on February 17 (chart), after having trended between -1% y/y and -2% y/y in prior weeks.

We will also be looking closely at February inflation data, due out on March 1, given the surprising jump to 2.7% y/y in January from 2.0% y/y in December. The trend so far in February implies that yearly inflation is still crawling up toward the 2.8% y/y region.

Meanwhile, the PEN continues to be under pressure, forcing the BCRP to become more active in offsetting USD demand from corporate businesses. The FX rate has been hovering in the USDPEN 3.64–3.67 region and would likely be higher if not for BCRP intervention. We had anyway been expecting a weakening of the PEN at this time of the year, as frequently occurs in the months before presidential elections. What happens to the PEN after the April vote will be telling. It is unclear whether external account fundamentals will impose themselves to strengthen the PEN or whether corporate demand for USDs will be an ongoing feature of the FX market.

We are now only six weeks away from the April 11 presidential elections and the field continues to be quite open. There were some ripples domestically after a new Ipsos poll showed Yonhy Lescano (Acción Popular)



Candidate Nov-20 Dec-20 Jan-21 Feb-21								
George Forsyth	16	18	17	11				
Yonhy Lescano	3	4	6	10				
Keiko Fujimori	5	7	8	8				
Verónika Mendoza	6	7	7	8				
Daniel Urresti	6	6	6	7				
Hernando de Soto	n.a.	3	5	4				
Julio Guzmán	7	8	7	4				
Undecided/None	35	28	25	29				



GLOBAL ECONOMICS LATAM WEEKLY

February 22, 2021

closing the gap in voter intentions with the leading candidate, George Forsyth, thereby turning Lescano into someone to be reckoned with (table). However, this is just one poll, and, by Peruvian standards, we are still early in the game. In the past, voter intentions have frequently changed dramatically up to two weeks before previous votes. Note, also, that only seven percentage points separate the top seven candidates in the polls. Furthermore, undecided voters equal the combined share of the top three contenders' supporters. The race can't really get more open than this. A second-round vote in June is a certainty, but the two final candidate's names remain up in the air.





Market Events & Indicators for February 22-March 5

ARGENTINA

Date	<u>Time</u>	<u>Event</u>	<u>Period</u>	BNS (Consensus	<u>Latest</u>	BNS Comments
02/22		Budget Balance (ARS mn)	Jan			-307,627.5	
02/23	14:00	Shop Center Sales (y/y)	Dec			-46.7	
02/23	14:00	Supermarket Sales (y/y)	Dec			-1.1	
02/24	14:00	Economic Activity Index (y/y)	Dec			-3.7	
02/24	14:00	Economic Activity Index (m/m)	Dec			1.4	
02/25	14:00	Trade Balance (USD mn)	Jan		100.0	-364.0	
02/25	14:00	Exports Total (USD mn)	Jan			3,544.0	
02/25	14:00	Imports Total (USD mn)	Jan			3,908.0	
02/25		Consumer Confidence Index	Feb			38.2	
02/26	11:00	Bloomberg Feb. Argentina Economic Survey					
03/01		Government Tax Revenue (ARS bn)	Feb			772.9	
03/03		Vehicle Exports Adefa	Feb			11,924	
03/03		Vehicle Production Adefa	Feb	-		24,308	
03/03		Vehicle Domestic Sales Adefa	Feb			27,303	
03/04	14:00	Construction Activity (y/y)	Jan			27.4	
03/04	14:00	Industrial Production (y/y)	Jan			4.9	
03/05		Central Bank Survey					

BRAZIL

DKA	LIL						
	Time 13:00	Event Trade Balance Weekly (USD, mn)	Period 21-Feb	BNS C	onsensus 	<u>Latest</u> 413.8	BNS Comments
FEB 2		Tax Collections (BRL, mn)	Jan		179,070	159,065	
FEB 2		Federal Debt Total (BRL, bn)	Jan			5,010.0	
02/23	6:00	FGV CPI IPC-S (m/m)	22-Feb			0.4	
02/24		FGV Construction Costs (m/m)	Feb		1.0	0.9	
02/24	6:00	FGV Consumer Confidence	Feb			75.8	
02/24	7:00	IBGE Inflation IPCA-15 (m/m)	Feb		0.5	8.0	
02/24	7:00	IBGE Inflation IPCA-15 (y/y)	Feb		4.6	4.3	
02/24	7:30	Current Account Balance (USD, mn)	Jan		-7,500.0	-5,392.9	
02/24	7:30	Foreign Direct Investment (USD, mn)	Jan		2,800.0	738.8	
FEB 2	4-26	Central Govt Budget Balance (BRL, bn)	Jan		39.9	-44.1	
02/25	3:00	FIPE CPI - Weekly (m/m)	21-Feb		0.4	0.6	
02/25	6:00	FGV Inflation IGPM (y/y)	Feb		28.6	25.7	
02/25	6:00	FGV Inflation IGPM (m/m)	Feb		2.4	2.6	
02/25	7:30	Outstanding Loans (m/m)	Jan		1.5	1.6	
02/25	7:30	Total Outstanding Loans (BRL, bn)	Jan		4,077.5	4,017.7	
02/25	7:30	Personal Loan Default Rate (%)	Jan			4.2	
02/26	7:00	National Unemployment Rate (%)	Dec		13.9	14.1	
02/26	7:30	Primary Budget Balance (BRL, bn)	Jan		47.7	-51.8	
02/26	7:30	Nominal Budget Balance (BRL, bn)	Jan		5.4	-75.8	
02/26	7:30	Net Debt % GDP	Jan		63.0	63.0	
02/26	10:00	Bloomberg Feb. Brazil Economic Survey					
03/01		FGV CPI IPC-S (m/m)	28-Feb				
			Feb			56.5	
		Trade Balance Monthly (USD, mn)	Feb		-1,200.0	-1,125.0	
03/01	13:00	Exports Total (USD, mn)	Feb		17,900.0	14,808.0	
03/01	13:00	Imports Total (USD, mn)	Feb		19,100.0	15,933.0	
MAR 1	-3	Vehicle Sales Fenabrave	Feb			171,153	
03/02		FIPE CPI - Monthly (m/m)	Feb		0.4	0.9	
03/02		PPI Manufacturing (m/m)	Jan			0.5	
03/02		3 3 7	Jan			18.2	
03/03		GDP (q/q)	4Q		2.9	7.7	
03/03		GDP (y/y)	4Q	-0.1	-1.4	-3.9	
03/03	7:00	GDP 4Qtrs Accumulated	4Q		-4.2	-3.4	
03/03	8:00	Markit Brazil PMI Composite	Feb			48.9	
03/03	8:00	Markit Brazil PMI Services	Feb			47.0	
MAR 4	-5	Vehicle Sales Anfavea	Feb			171,146	
MAR 4	-5	Vehicle Production Anfavea	Feb			199,707	
MAR 4	-5	Vehicle Exports Anfavea	Feb			25,040	
03/05	7:00	Industrial Production (y/y)	Jan			8.2	
03/05	7:00	Industrial Production (m/m)	Jan			0.9	

Sources: Scotiabank Economics, Bloomberg.





Market Events & Indicators for February 22–March 5

CHILE Date Time	<u>Event</u>	Period	BNS (Consensus	Latest	BNS Comments
02/24 7:00		Jan		-	2.7	
02/26 7:00	Unemployment Rate (%)	Jan	10.3	10.3	10.3	
02/26 7:00		Jan	6.0	6.0		Once again, fueled by the second withdrawal of pension assets.
02/26 7:00 02/26 7:00		Jan Jan	2.0	-3.0	7.4	High momentum in industrial activity.
02/26 7:00	0 0 37	Jan	2.0	-5.0	-4.1	riigii momentum in industrial activity.
02/26 7:00		Jan			506,891	
02/26 10:30	Bloomberg Feb. Chile Economic Survey					
03/01 6:30	Economic Activity (m/m)	Jan			3.5	
03/01 6:30	3 (3 3)	Jan	0.0			Strong level effects from Jan2020's high base. Mining should pick up.
MAR 1-5	IMCE Business Confidence	Feb			54.4	
03/05 7:00 03/05 7:00	Nominal Wage (m/m) Nominal Wage (y/y)	Jan Jan			0.4 4.0	
MAR 5-10	Vehicle Sales Total	Feb			24,984	
					,	
COLOMB						
	Event	Period		Consensus		BNS Comments
02/24 02/24	Industrial Confidence Retail Confidence	Jan Jan			-1.6 23.0	
	National Unemployment Rate (%)	Jan	16.8			Reductions in unemployment should continue with a lag in January; new lockdowns
	Urban Unemployment Rate (%)	Jan	17.9			in early-2021 likely slowed economic activity and hiring.
	5 Bloomberg Feb. Colombia Economic Survey					, , ,
02/26	Central Bank Board Meeting					Not scheduled to feature a monetary-policy rate decision.
	Davivienda Colombia PMI Mfg	Feb			53.3	
03/01	Current Account Balance (USD, mn)	4Q	-		-1,774.3	
	D Exports FOB (USD, mn)	Jan		-	3,029.0	
03/05 19:00 03/05 19:00		Feb Feb	0.5 1.4			In February, CPI inflation should continue showing positive pressures from food
	CPI Core (m/m)	Feb	0.4			prices and some indexation effects. Some prices that were artificially held back in 2020, such as education fees, should add to headline inflation as the economy re-
	CPI Core (y/y)	Feb	0.7			opens.
MEXICO Date Time	. Event	Period	BNS (Consensus	Latest	BNS Comments
02/22	Citibanamex Survey of Economists	renou	<u>DINO</u> (20113611343	Latest	<u>DNO OOMMENTS</u>
02/23 10:00	International Reserves Weekly (USD, mn)	19-Feb			195,812	
02/24 7:00	Retail Sales (m/m)	Dec		-3.8	3.3	
02/24 7:00	, ,	Dec		-7.7	-5.1	
02/24 7:00	* * *	15-Feb	0.2	0.3		We expect an abatement in inflation after Q1-2020, which should open a
02/24 7:00 02/24 7:00	• • • •	15-Feb 15-Feb	0.2	0.2 3.9	0.2 3.7	window for additional cuts in Q3-2020.
02/24 7:00		4Q	-4.8	-4.8	-4.8	
02/25 7:00		2020	-4.6	-4.0	-4.8	
02/25 7:00		Jan	4.0	4.5	3.8	
02/25 7:00	, , ,	Dec		-0.4		Coincident with actual Q4 data.
02/25 7:00		Dec	4.5	-3.7	-3.9	
02/25 7:00 02/25 7:00	(3 3)	4Q F 4Q F	-4.5 	-4.5 3.1	-4.5 3.1	
	Current Account Balance (USD, mn)	4Q		15,039.5	17,497.7	
	Central Bank Monetary Policy Minutes					Look for indications of room for further cuts.
02/26 7:00	Trade Balance (USD, mn)	Jan	6,300.0	-433.0		Strong surpluses continue to be underpinned by weak domestic demand.
	Net Outstanding Loans (MXN, bn)	Jan			4,600.0	
	5 Bloomberg Feb. Mexico Economic Survey					
	O Total Remittances (USD, mn) O Markit Mexico PMI Mfg	Jan Feb		-	3,661.0 43.0	
) IMEF Manufacturing Index SA	Feb			50.2	
	IMEF Non-Manufacturing Index SA	Feb			47.6	
03/02 7:00	Leading Indicators ((m/m))	Jan			0.4	
	O International Reserves Weekly (USD, mn)	26-Feb				
	Central Bank Economist Survey	lor			6740	
03/02	Budget Balance YTD (MXN, bn)	Jan			-674.2	
	Vehicle Domestic Sales Mayican Control Bank Polosees Inflation Poport	Feb			81,203	Undated foregots

03/05 **PERU**

Date	Time Event	Period	BNS Consens	us	Latest BNS Comments
03/01	10:00 Lima CPI (m/m)	Feb	0.3		0.7 The jury is still out on whether the jump in prices early this year is temporary or not.
03/01	10:00 Lima CPI (y/y)	Feb	2.8		2.7 For now, inflation continues creeping up.

Updated forecasts.

-12.1

223,533

278,711

Forecasts at time of publication.

03/05 7:00 Gross Fixed Investment

03/05 7:00 Vehicle Exports

03/05 7:00 Vehicle Production

Sources: Scotiabank Economics, Bloomberg.

03/03 13:00 Mexican Central Bank Releases Inflation Report

Citibanamex Survey of Economists



Scotiabank Economics Latam Coverage



San José

Local Market Coverage

CHILE

Website: Click here to be redirected Subscribe: carlos.munoz@scotiabank.cl

Coverage: Spanish and English

COLOMBIA

Website: Forthcoming

jackeline.pirajan@scotiabankcolpatria.com Subscribe:

Coverage: Spanish and English

MEXICO

Website: Click here to be redirected

Subscribe: estudeco@scotiacb.com.mx

Coverage:

PERU

Website: Click here to be redirected

Subscribe: siee@scotiabank.com.pe

Coverage:

COSTA RICA

Website: Click here to be redirected

estudios.economicos@scotiabank.com Subscribe:

Coverage: Spanish





GLOBAL ECONOMICS | LATAM WEEKLY

February 22, 2021

This report has been prepared by Scotiabank Economics as a resource for the clients of Scotiabank. Opinions, estimates and projections contained herein are our own as of the date hereof and are subject to change without notice. The information and opinions contained herein have been compiled or arrived at from sources believed reliable but no representation or warranty, express or implied, is made as to their accuracy or completeness. Neither Scotiabank nor any of its officers, directors, partners, employees or affiliates accepts any liability whatsoever for any direct or consequential loss arising from any use of this report or its contents.

These reports are provided to you for informational purposes only. This report is not, and is not constructed as, an offer to sell or solicitation of any offer to buy any financial instrument, nor shall this report be construed as an opinion as to whether you should enter into any swap or trading strategy involving a swap or any other transaction. The information contained in this report is not intended to be, and does not constitute, a recommendation of a swap or trading strategy involving a swap within the meaning of U.S. Commodity Futures Trading Commission Regulation 23.434 and Appendix A thereto. This material is not intended to be individually tailored to your needs or characteristics and should not be viewed as a "call to action" or suggestion that you enter into a swap or trading strategy involving a swap or any other transaction. Scotiabank may engage in transactions in a manner inconsistent with the views discussed this report and may have positions, or be in the process of acquiring or disposing of positions, referred to in this report.

Scotiabank, its affiliates and any of their respective officers, directors and employees may from time to time take positions in currencies, act as managers, co-managers or underwriters of a public offering or act as principals or agents, deal in, own or act as market makers or advisors, brokers or commercial and/or investment bankers in relation to securities or related derivatives. As a result of these actions, Scotiabank may receive remuneration. All Scotiabank products and services are subject to the terms of applicable agreements and local regulations. Officers, directors and employees of Scotiabank and its affiliates may serve as directors of corporations.

Any securities discussed in this report may not be suitable for all investors. Scotiabank recommends that investors independently evaluate any issuer and security discussed in this report, and consult with any advisors they deem necessary prior to making any investment.

This report and all information, opinions and conclusions contained in it are protected by copyright. This information may not be reproduced without the prior express written consent of Scotiabank.

™ Trademark of The Bank of Nova Scotia. Used under license, where applicable.

Scotiabank, together with "Global Banking and Markets", is a marketing name for the global corporate and investment banking and capital markets businesses of The Bank of Nova Scotia and certain of its affiliates in the countries where they operate, including; Scotiabank Europe plc; Scotiabank (Ireland) Designated Activity Company; Scotiabank Inverlat S.A., Institución de Banca Múltiple, Grupo Financiero Scotiabank Inverlat, Scotia Inverlat Casa de Bolsa, S.A. de C.V., Grupo Financiero Scotiabank Inverlat, Scotia Inverlat Derivados S.A. de C.V. – all members of the Scotiabank group and authorized users of the Scotiabank mark. The Bank of Nova Scotia is incorporated in Canada with limited liability and is authorised and regulated by the Office of the Superintendent of Financial Institutions Canada. The Bank of Nova Scotia is authorized by the UK Prudential Regulation Authority and is subject to regulation by the UK Financial Conduct Authority and Imited regulation by the UK Prudential Regulation Authority. Details about the extent of The Bank of Nova Scotia's regulation by the UK Prudential Regulation Authority and regulated by the UK Financial Conduct Authority and regulated by the UK Financial Conduct Authority and the UK Prudential Regulation Authority.

Scotiabank Inverlat, S.A., Scotia Inverlat Casa de Bolsa, S.A. de C.V., Grupo Financiero Scotiabank Inverlat, and Scotia Inverlat Derivados, S.A. de C.V., are each authorized and regulated by the Mexican financial authorities.

Not all products and services are offered in all jurisdictions. Services described are available in jurisdictions where permitted by law.