

# Fixed-Income & FX Strategy

Weekly

Fixed-Income, FX, and Commodities

# **Fixed-Income and FX Weekly**

- Volatility lashes financial markets. Risk aversion due to concerns about the long-term effects of the trade war and prolonged volatility in the markets. This week, the US and Mexico's yield curves steepened sharply due to the biggest selloffs in long-term Treasuries (+50bps) and Mbonos (+45bps). The USD collapsed to nearly 2-year lows, with the DXY marginally above 100pts, and the MXN closed at 20.33 per dollar (+0.6%). Next week, focus will be on the ECB monetary policy decision and speeches from Fedspeakers. In addition, the Mexican market will be closed on Thursday and Friday for holidays
- We see further room for lower yields. We acknowledge that market conditions have shifted relative to our views at the start of the year. In particular, the narrative of US 'exceptionalism' has lost traction. This has weighed further on Mexico's already fragile growth outlook. As a result, Banxico's policy bias has turned more dovish. In addition, it is worth highlighting that the US administration keeps favoring explicitly the reduction of long-term interest rates. In this respect, the 90-day correlation between 10-year Mbono and UST yields has risen to 0.45 after reaching multi-year lows of 0.28 earlier this year, with the latter level not seen since 2021. Our fair value models suggest room for lower nominal yields and steeper curves. Specifically, we forecast the 10-year Treasury at around 3.80% by year-end. Locally, our models point towards greater relative value in short- and mid-term Mbonos. That said, heightened global risk aversion and already-tight spreads vs the US will likely cap further upside for Mexican fixed income. Given global uncertainty and the potential asymmetry tied to tariff irresolution, we remain strictly in relative value strategies. In this context, and despite maintaining a view of steeper curves ahead, yesterday we took profits on our trade recommendation of a 2s10s steepener in TIIE-F IRS at 72bps (entry: 30bps, target: 65bps, stop-loss: 15bps). The strategy accumulated a capital gain of 31bps, after discounting the negative effect of carry/roll (around -11bps), during the 83 days it remained open. Separately, as it reached its stop-loss today, we close our idea based on paying 10-year TIIE-F, simultaneously receiving SOFR of the same tenor (entry: 473bps, target: 505bps; stop-loss: 450bps). Lastly, we do not see Udibonos as attractive enough at current levels, still favoring nominal rates after revising our inflation forecasts to the downside
- bearish USD outlook, the Mexican peso still faces a particularly challenging year. Mexico has found itself in a more favorable position in trade *vis-à-vis* other countries as it was not included in the <u>US reciprocal tariffs</u>. Nonetheless, negotiations are still taking place and far from a definite resolution. In our view, this will keep volatility high in upcoming months. At the same time, MXN's historically high and positive beta to US growth should be added to weaker domestic momentum, both of which weigh on the currency's strength. In this sense, Banxico's faster easing pace relative to the Fed will gradually erode the MXN's carry advantage. Meanwhile, Brazil —which is Mexico's main regional competitor for financial flows— keeps hiking its policy rate. Looking ahead into 2026, we believe that volatility spikes that have pushed the short-term risk premium higher will subside as clarity around the bilateral relationship with the US improves, leading to a notable reduction in uncertainty. This would allow the Mexican peso to trade closer to its fair value, which we currently estimate around 20.50 per dollar. All in all, we forecast a year-end level of 20.80
- Weekly ranges. We expect the 10-year Mbono (Nov'34) to trade between 9.40% and 9.70%, and MXN between 20.10 and 20.70 per dollar

April 11, 2025



Alejandro Padilla Santana Chief Economist and Head of Research alejandro.padilla@banorte.com



Juan Carlos Alderete Macal, CFA Executive Director of Economic Research and Market Strategy juan.alderete.macal@banorte.com



Santiago Leal Singer
Director of Market Strategy
santiago.leal@banorte.com



**Leslie Thalía Orozco Vélez** Senior Strategist, Fixed Income and FX leslie.orozco.velez@banorte.com



Marcos Saúl García Hernandez Strategist, Fixed Income, FX and Commodities marcos.garcia.hernandez@banorte.com

Index	
Markets summary	pg. 3
Fixed-Income	
Market dynamics	pg. 4
Supply	pg. 6
Demand	pg. 7
Technicals	pg. 10
Foreign exchange	
Market dynamics	pg. 12
Market positioning and flows	pg. 13
Technicals	pg. 14



www.banorte.com/analisiseconomico @analisis fundam

Due to holidays, next release will be on Friday, April 25<sup>th</sup>, 2025

Document for distribution among the general public



# **Fixed-Income Dynamics**

Fixed-income securities performance

Security	YTM	Weekly change	Δ last 4 weeks	YTD	12m Max	12m Min	12m Average
	(%)	(bps)	(bps)	(bps)	(%)	(%)	(%)
Overnight TIIE funding	g rate						
1-day	9.00	1	-50	-120	11.09	8.98	10.44
28-days <sup>1</sup>	9.28	-12	-24	-99	11.14	9.28	10.55
91-days <sup>1</sup>	9.36	-12	-25	-101	11.24	9.36	10.64
182-days <sup>1</sup>	9.47	-13	-25	-103	11.40	9.47	10.79
Cetes <sup>2</sup>							
28-days	8.90	-13	-33	-111	11.11	8.78	10.30
91-days	8.72	2	-30	-128	11.19	8.70	10.35
182-days	8.53	-2	-40	-142	11.29	8.53	10.35
364-days	8.59	6	-39	-148	11.44	8.53	10.33
Mbonos							
Mar'26	8.41	1	-22	-140	11.03	8.37	9.91
Sep'26	8.28	2	-33	-150	11.03	8.25	9.82
Mar'27	8.32	6	-36	-145	10.74	8.24	9.63
Jun'27	8.40	12	-33	-143	10.68	8.26	9.63
Mar'28 <sup>3</sup>	8.67	18	-25	-126	9.99	8.42	9.35
Mar'29	8.87	28	-19	-111	10.55	8.52	9.69
May'29	8.87	24	-23	-110	10.47	8.52	9.66
Feb'30⁴	9.03	31	-13	-66	9.69	8.59	9.26
May'31	9.15	32	-7	-90	10.42	8.66	9.67
May'33	9.42	38	3	-80	10.40	8.90	9.76
Nov'34	9.57	42	10	-84	10.45	9.01	9.80
Nov'36	9.63	43	18	-79	10.45	9.03	9.81
Nov'38	9.88	42	21	-67	10.60	9.26	9.94
Nov'42	10.17	45	23	-54	10.76	9.44	10.10
Nov'47	10.24	46	25	-51	10.79	9.43	10.10
Jul'53	10.25	46	26	-54	10.81	9.44	10.12
TIIE-F IRS <sup>5</sup>							
3-month (3x1)	8.70	-4	-28	-124	10.62	8.70	9.78
6-month (6x1)	8.34	-1	-33	-139	10.40	8.33	9.52
9-month (9x1)	8.09	-2	-40	-150	10.17	8.09	9.32
1-year (13x1)	7.88	-3	-41	-154	9.95	7.88	9.11
2-year (26x1)	7.68	-1	-36	-147	9.66	7.65	8.77
3-year (39x1)	7.72	5	-32	-139	9.52	7.62	8.67
4-year (52x1)	7.82	10	-30	-132	9.46	7.66	8.66
5-year (65x1)	7.94	15	-24	-125	9.43	7.72	8.67
7-year (91x1)	8.15	17	-16	-111	9.42	7.87	8.74
10-year (130x1)	8.43	21	-8	-96	9.46	8.09	8.86
20-year (3x1)	8.63	21	-9	-86	9.59	8.28	9.00
30-year (390x1)	8.53	24	-11	-94	9.50	8.19	8.93
Jdibonos							
Dec'25	5.98	14	7	-19	7.90	5.85	6.46
Dec'26	5.40	33	7	-70	7.08	5.07	6.10
Nov'28	4.99	27	5	-48	5.96	4.69	5.30
Aug'29 <sup>6</sup>	5.08	28	7	7	5.14	4.77	5.00
Nov'31	5.09	27	6	-40	5.80	4.70	5.21
Aug'34	5.09	32	11	-41	5.76	4.70	5.24
Nov'35	5.11	33	14	-36	5.62	4.71	5.20
Nov'40	5.11	34	14	-40	5.72	4.75	5.20
Nov'43	5.19	34	14	-32	5.73	4.81	5.23
Nov'46	5.13	34	13	-38	5.70	4.75	5.18
Nov'50	5.13	33	13	-39	5.71	4.76	5.18
Oct'547	5.05	31	6	-52	5.71	4.70	5.19

Source: Bloomberg, Banxico, Banorte
1: Compounded in advance Overnight TIIE Funding rate for "n" days

3: Mbono Mar'28 issued on December 4<sup>th</sup>, 2024

4: Mbono Feb'30 issued on January 30th, 2025
5: TIIE-F IRS history since September 5th, 2024
6: Udibono Aug' 29 issued on March 13th, 2025

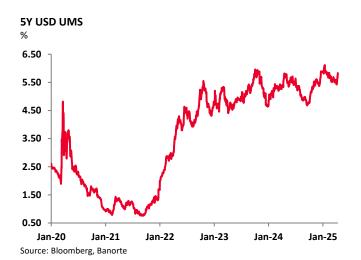
7: Udibono Oct'54 issued on May 17<sup>th</sup>, 2024



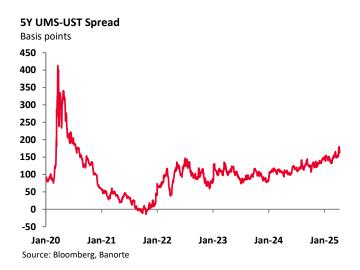
# **Fixed-Income Dynamics (continued)**

**USD UMS and US Treasuries performance** 

	UMS					UST				Spreads		
Term	Maturity date	YTM (%)	Weekly change (bps)	YTD (bps)	YTM (%)	Weekly change (bps)	YTD (bps)	Actual (bps)	Weekly change (bps)	12m Average (bps)	bps	
2Y	Mar'27	4.87	+17	-28	3.96	+31	-28	91	-15	73	84	
3Y	Feb'28	5.15	+29	-53	4.01	+38	-26	114	-9	90	105	
5Y	May'30	5.83	+37	-5	4.16	+45	-22	167	-8	130	152	
7Y	Apr'32	6.23	+37	-10	4.33	+50	-15	190	-12	146	190	
10Y	Feb'35	6.75	+47	+11	4.49	+49	-8	226	-2	176	229	
20Y	Jan'45	6.95	+39	+20	4.93	+50	+7	202	-11	191		
30Y	May'55	7.61	+42	+38	4.87	+46	+8	275	-4	233		









# **Fixed-Income Supply**

- Mexico's weekly auction. On Monday, the MoF will auction 1-, 3-, 6-, and 12-month Cetes, the 30-year Mbono (Jul'53), the 3-year Udibono (Aug'29), as well as 2- and 5year Bondes F
- Solid appetite for Cetes. Banxico's minutes showed a more dovish tone than the previous minutes, reinforcing our expectation of a cut of the same magnitude (-50bps) in the next decision on May 15<sup>th</sup>. Additionally, we reaffirm our view of a rate of 7.75% by the end of the year. In this sense, we expect the robust appetite for Cetes to be maintained, with greater emphasis on the 1-, 3-, and 6-month tenors. It is worth noting that, in the last primary auction, demand for 3-month Cetes stood at levels not seen in the last 12 months of 5.77x. Mexican securities remain highly sensitive to the global backdrop amid growing trade tensions between the world's two largest economies. The Mbonos' curve continues to extend its steepening. This time is because of greater losses at the long-end (+45bps w/w) compared to the short-end (+15bps w/w). The 30-year Mbono (Jul'53) returned to trading around 10.25% after a significant sell-off of 45bps. In this context, we anticipate a moderate demand in line with its 2-year average of 1.94x. Regarding real rates, we do not see enough attractiveness in Udibonos for now, still favoring nominal rates after revising our inflation forecasts to the downside. In this sense, we expect an appetite for the shorter-term Udibono (Aug'29) around 2.00x

#### Auction specifics (April 14th, 2025)

Security	Maturity	Coupon rate, %	To be auctioned <sup>1</sup>	Previous yield²
Cetes				
1m	May-15-25		7,000	8.80
3m	Jul-17-25		7,000	8.70
6m	Oct-16-25		7,000	8.55
12m	Apr-01-26		15,400	8.68
Bondes F				
2Y	Apr-01-27		9,600	0.15
5Y	Jan-24-30		2,200	0.19
Bono M				
30Y	Jul-31-53	8.00	8,625	10.11
Udibono				
3Y	Aug-30-29	4.00	UDIS 800	5.02

Source: Banxico, Banorte

1. Except for Udibonos, which are expressed in UDI million, everything else is expressed in MXN million. The amount of Cetes is announced a week prior to the day of the auction.

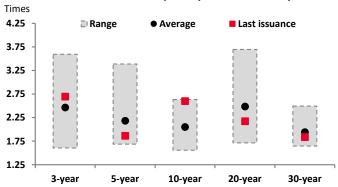
2. Yield-to-maturity reported for Cetes, Mbonos and Udibonos

#### 2Q25 Government Securities Auction Calendar\*

Date	Cetes	Bonos M	Udibonos	Bondes F
1-Apr	1, 3, 6, and 12M	10Y (Nov'34)	10Y (Aug'34)	2, 5 and 10Y
8-Apr	1, 3, 6, and 24M	3Y (Mar'28)	20Y (Nov'43)	1, 3 and 7Y
14-Apr	1, 3, 6, and 12M	30Y (Jul'53)	3Y (Aug'29)	2 and 5Y
22-Apr	1, 3, 6, and 24M	5Y (Feb'30)	30Y (Oct'54)	1 and 3Y
28-Apr	1, 3, 6, and 12M	20Y (Nov'42)	10Y (Aug'34)	2, 5 and 10Y
6-May	1, 3, 6, and 24M	3Y (Mar'28)	20Y (Nov'43)	1, 3 and 7Y
13-May	1, 3, 6, and 12M	10Y (Nov'34)	3Y (Aug'29)	3 and 5Y
20-May	1, 3, 6, and 24M	5Y (Feb'30)	30Y (Oct'54)	2 and 3Y
27-May	1, 3, 6, and 12M	30Y (Jul'53)	10Y (Aug'34)	2, 5 and 10Y
3-Jun	1, 3, 6, and 24M	20Y (Nov'42)	20Y (Nov'43)	1, 3 and 7Y
10-Jun	1, 3, 6, and 12M	3Y (Mar'28)	3Y (Aug'29)	4 and 5Y
17-Jun	1, 3, 6, and 24M	5Y (Feb'30)	30Y (Oct'54)	3 and 3Y
24-Jun	1, 3, 6, and 12M	10Y (Nov'34)	10Y (Aug'34)	2, 5 and 10Y

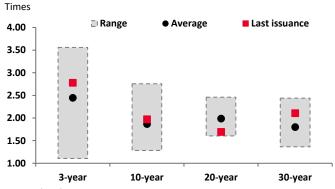
Source: SHCP \*Ministry of Finance \*In case an instrument is auctioned by the syndicated method, the current instrument will be replaced by the new issuance For more information, refer to 2Q25 Auction Calendar

#### Mbonos' bid-to-cover ratios for primary auction in last 2 years



Source: Bloomberg, Banorte

#### Udibonos' bid-to-cover ratios for primary auction in last 2 years



# **Fixed-Income Demand**

#### Government and IPAB securities holdings by type of investor

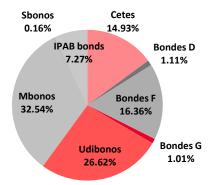
US\$ billion, \*UDIS billion, data as of Apr/1/2025

Securities	Total amount outstanding	Foreign investors	Pension funds	Mutual funds	Insurance companies	Local banks	Repos with Banxico	Guarantees received by Banxico	Securities held by Banxico	Other domestic residents
Cetes	108.16	11.06	18.40	20.40	5.40	12.99	2.65	0.80	-	36.47
Bondes D	8.07	0.00	0.15	4.51	0.00	1.33	-	-	-	2.07
Bondes F	118.48	0.03	4.12	70.62	2.77	13.22	1.68	-	-	26.04
Bondes G	7.34	0.00	0.28	2.67	0.54	1.22	1.03	-	-	1.61
Udibonos	192.84	7.55	106.59	8.17	33.47	4.29	1.08	0.07	-	31.63
Mbonos	235.70	72.59	61.50	8.30	8.16	27.01	11.28	0.85	0.74	45.29
Sbonos	1.13	0.53	0.30	0.01	0.05	0.01	-	-	-	0.22
Total	671.73	91.77	191.35	114.67	50.39	60.05	17.72	1.72	0.74	143.32
Udibonos*	466.08	18.26	257.61	19.73	80.90	10.36	2.62	0.17	-	76.44
IPAB bonds	52.66	0.02	0.60	17.19	0.50	6.57	5.26	1.28	-	21.24

Source: Banxico, Banorte

#### Government issuance by type of instrument

Total amount of US\$ 724 billion (including IPAB bonds), % of total



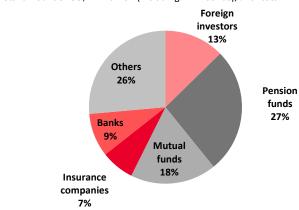
Source: Banxico, Banorte

#### Government securities holdings by type of investor

Total amount of US\$ 724 billion (including IPAB bonds), % of total

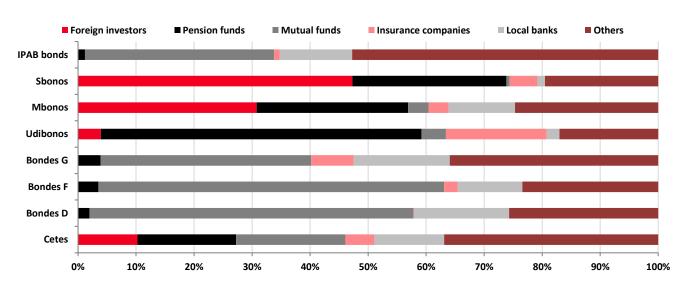
#### Government issuance by type of investor

Total amount of US\$ 724 billion (including IPAB bonds), % of total



Source: Banxico, Banorte

Note: "Others" includes repos, guarantee and securities held by Banxico, as well as other domestic residents



Source: Banxico, Banorte

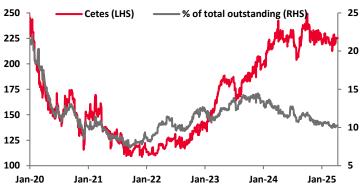
Note: "Others" includes repos, guarantee and securities held by Banxico, as well as other domestic residents



# **Fixed-Income Demand (continued)**

#### Cetes held by foreigners

MXN billion, %



Source: Banxico, Banorte

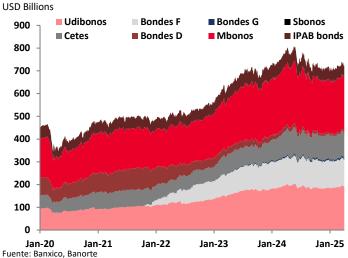
#### Holdings of main investors by type of security

Data as of Apr/1/2025

	Foreign in	vestors	Pension 1	funds	Mutual funds		
	Δ last 4 YTD weeks (%) (%)		Δ last 4 weeks (%)	YTD (%)	Δ last 4 weeks (%)	YTD (%)	
Cetes	4.00	2.10	-1.90	-10.10	4.86	14.59	
Bondes F	31.69	16.01	12.72	-29.08	1.77	6.77	
Udibonos	-8.64	-8.49	1.82	3.50	2.98	13.92	
Mbonos	2.04	3.17	-1.46	7.92	-7.49	-10.32	

Source: Banxico, Banorte

#### **Government securities issuance**



#### Mbonos held by foreigners

MXN trillion, %



Source: Banxico, Banorte

#### Mbonos holdings by type of investor

US\$ billions and %, data as Mar/27/2025

Maturity	Amount Outstanding	Local Banks	Foreign investors	Pension and Mutual funds	Others
Mar'26	16.0	27%	22%	8%	42%
Sep'26	11.8	6%	31%	18%	44%
Mar'27	16.7	23%	19%	10%	48%
Jun'27	17.6	32%	25%	11%	32%
Mar'28	6.9	39%	14%	20%	27%
Mar'29	19.3	13%	33%	24%	30%
May'29	18.5	9%	37%	26%	28%
Feb'30	7.0	9%	20%	39%	33%
May'31	19.7	4%	41%	31%	24%
May'33	15.3	6%	35%	30%	30%
Nov'34	17.4	5%	44%	34%	17%
Nov'36	4.8	2%	17%	55%	27%
Nov'38	10.5	1%	31%	49%	19%
Nov'42	19.9	2%	33%	47%	19%
Nov'47	12.9	0%	30%	49%	21%
Jul'53	18.3	0%	36%	49%	15%
Total	232.7	11%	31%	30%	28%

Source: Banxico, Banorte

Notas: "Institutional investors" include pension funds, mutual funds, and insurance companies. "Others" includes repos, guarantee and securities held by Banxico, as well as other domestic residents



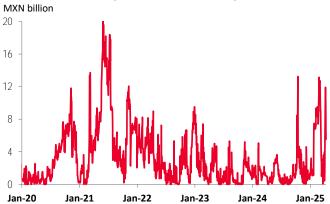
# Fixed-Income Demand - Primary dealers

#### Market makers' short positions on Mbonos

MXN billion 35 ■ 2-year range Average Current 30 25 20 15 10 5 0 Mar'27 Jun'27 Mar'29 Mar'26

Source: Banxico, Banorte \*May'33 issued in December 2022

#### Market makers' short positions on Mbono May'31



Market makers' position on Mbonos

Source: Banxico, Banorte

# Weekly change in market makers' short positions on Mbonos MXN billion 6.0 4.0 2.0 0.0 -2.0 -4.0 -6.0 -8.0

Source: Banxico, Banorte

#### Market makers' short positions on Mbono Nov'47



Source: Banxico, Banorte

#### US\$ million Total amount outstanding Previous **Previous** Apr/10/2025 Maturity date 6m Max 6m Min as of Apr/10/2025 Month Year 84 Mar'26 15,804 0 46 934 167 0 Sep'26 11,748 16 95 267 428 655 0 Mar'27 22 28 160 558 261 0 16,727 Jun'27 17,552 49 61 75 1 1,522 10 Mar'28\* 8,040 112 24 39 332 0 370 0 Mar'29 3 17 659 0 19,151 0 34 72 28 0 May'29 19,186 568 May'31 19,998 269 69 142 20 647 0 May'33 15,297 72 29 123 397 628 0 Nov'34 20,020 164 96 86 391 1,135 0 Nov'36 4,831 75 55 61 76 465 0 0 Nov'38 10,503 26 35 111 57 191 Nov'42 19 17 82 9 269 0 19,831 Nov'47 3 12,822 36 82 50 501 0 Jul'53 18,210 105 54 78 389 0 Total 229,721 861 672 1,404 2,468

Source: Banxico, Banorte \*Mar'28 issued in December 2024



#### **Fixed-Income Technicals**

#### **Spread between Cetes and Implied Forward Rates**

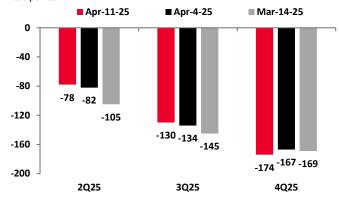
Basis points

Tenor	Actual	Weekly change	Δ last 4 weeks	6m average	6m Max	6m Min
1 month	21	39	52	56	154	-12
3 months	-16	-16	3	2	52	-46
6 months	-20	-10	3	0	42	-45
12 months	14	15	22	22	63	-12

Source: PiP, Bloomberg, Banorte

#### Cumulative implied moves in Banxico's repo rate

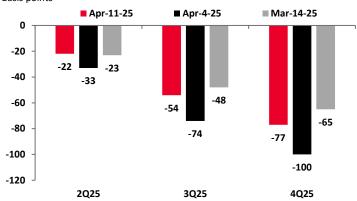
Basis points



Source: Bloomberg, Banorte

#### **Cumulative implied moves in Fed funds**

Basis points



Source: Bloomberg, Banorte

#### Spreads between Mbonos and UST

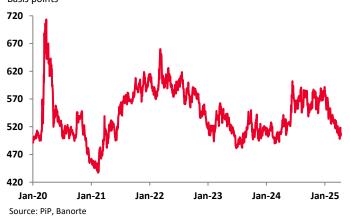
Basis ponts

Dasis pullis	basis ports										
Spread	Actual	Weekly change	Δ last 4 weeks	YTD	12m Max	12m Min	12m Average				
2 year	445	-30	-16	-112	644	446	563				
5 year	487	-14	-20	-72	623	485	556				
10 year	508	-8	-8	-77	602	498	553				
20 year	523	-5	-5	-61	593	493	552				
30 year	538	-1	1	-63	605	501	561				

Source: Bloomberg, Banorte

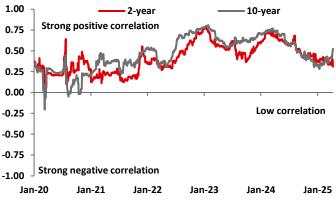
#### 10-year Mbono and 10-year UST spread

Basis points



#### Mexico and US 2- and 10-year bonds correlation

3-month moving correlation





# **Fixed-Income Technicals (continued)**

#### **Selected spreads**

Basis points

Security	Spread	Weekly change	Δ last 4 weeks	YTD	12m Max	12m Min	12m Average
Mbonos*							
2/5	62	30	9	46	69	-79	-20
2/10	116	41	32	56	108	-94	-10
2/30	184	45	47	86	178	-86	21
5/10	54	11	23	10	51	-28	10
10/30	68	4	16	31	70	4	31
TIIE-F*							
3m/2Y	-102	3	-8	-23	-67	-191	-102
2/5	26	16	12	21	26	-51	-10
2/10	75	22	28	51	75	-46	9
2/30	85	26	25	52	85	-41	17
5/10	49	6	16	30	50	2	19
10/30	10	4	-2	1	20	-4	8
TIIE-F – Mbonos*							
2 year	-73	-2	-15	-37	-26	-107	-66
5 year	-110	-16	-12	-46	-60	-125	-88
10 year	-115	-22	-18	-48	-64	-130	-91
20 year	-154	-24	-31	-67	-78	-154	-115
30 year	-172	-21	-36	-81	-83	-172	-125
TIIE-F - SOFR*							
2 year	397	-28	-22	-110	573	397	488
5 year	418	-24	-19	-96	559	418	489
10 year	449	-22	-12	-82	559	449	504
20 year	453	-21	-17	-85	567	453	512
30 year	455	-16	-21	-99	580	454	520

Source: Bloomberg, Banorte

Note: TIIE-F IRS history since September 5th, 2024

#### **Breakeven inflation using Mbonos & Udibonos**

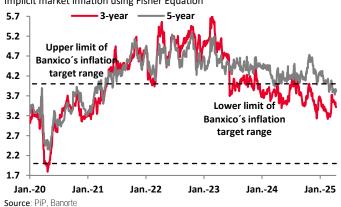
%, Implicit market inflation using Fisher Equation

Date	04/11/2025	Previous week	Previous month	Previous year	12m Max	12m Min	12m Average
3Y	3.42	3.52 (-10bps)	3.72 (-30bps)	3.78 (-36bps)	4.21	3.12	3.61
5Y	3.85	3.82 (+3bps)	4.02 (-17bps)	4.19 (-34bps)	4.73	3.73	4.18
10Y	4.27	4.19 (+8bps)	4.28 (-1bp)	4.42 (-15bps)	4.75	4.04	4.34
20Y	4.73	4.63 (+10bps)	4.65 (+8bps)	4.68 (+5bps)	5.01	4.25	4.63
30Y	4.95	4.83 (+12bps)	4.77 (+18bps)	4.64 (+31bps)	5.01	4.37	4.69

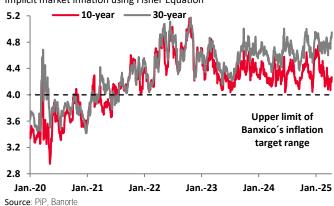
Source: Bloomberg, Banorte

#### 3- and 5-year breakeven inflation using Mbonos & Udibonos

Implicit market inflation using Fisher Equation



# 10- and 30-year breakeven inflation using Mbonos & Udibonos Implicit market inflation using Fisher Equation



# **FX dynamics**

#### Foreign Exchange market levels and historical return

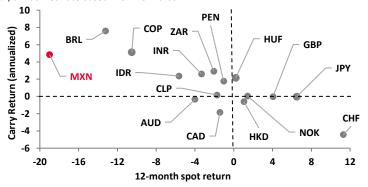
		Current	Daily Change (%) <sup>1</sup>	Weekly change (%)¹	Monthly change (%) <sup>1</sup>	YTD (%) <sup>1</sup>
Emerging	Markets					
Brazil	USD/BRL	5.87	0.3	-0.4	-1.1	5.3
Chile	USD/CLP	971.92	1.5	0.7	-3.5	2.4
Colombia	USD/COP	4,276.97	1.3	-0.1	-4.0	3.0
Peru	USD/PEN	3.73	0.1	-1.3	-1.9	0.2
Hungary	USD/HUF	360.65	0.7	2.8	1.7	10.2
Malaysia	USD/MYR	4.42	1.0	0.3	0.1	1.1
Mexico	USD/MXN	20.33	0.7	0.6	-0.7	2.5
Poland	USD/PLN	3.78	0.7	3.0	2.0	9.4
South Africa	USD/ZAR	19.17	1.3	-0.2	-4.3	-1.7
Developed	Markets					
Canada	USD/CAD	1.39	0.8	2.5	3.6	3.7
<b>Great Britain</b>	GBP/USD	1.31	0.9	1.6	1.0	4.6
Japan	USD/JPY	143.54	0.6	2.4	3.3	9.5
Eurozone	EUR/USD	1.1355	1.4	3.6	4.3	9.7
Norway	USD/NOK	10.67	1.4	0.9	-0.3	6.7
Denmark	USD/DKK	6.58	1.4	3.6	4.2	9.5
Switzerland	USD/CHF	0.81	1.1	5.6	8.2	11.4
New Zealand	NZD/USD	0.58	1.5	4.1	1.7	4.1
Sweden	USD/SEK	9.78	0.8	2.3	3.2	13.2
Australia	AUD/USD	0.63	1.0	4.1	-0.5	1.6

Source: Bloomberg, Banorte

1. Positive (negative) changes mean appreciation (depreciation) of the corresponding currency against the USD.

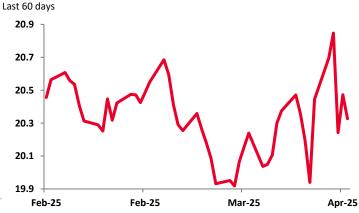
#### Performance of selected currencies

%, annualized rate based in 3M forwards



4Source: Bloomberg, Banorte

# USD/MXN



Source: Bloomberg, Banorte

#### **FX** performance

Against USD, % ■ Weekly ■ YTD HUF 10.2 3.0 PLN 9.4 BRL -0.4 COP 3.0 MXN CLP MYR PEN ZAR SEK 5.6 CHF **EUR** DKK 9.5 JPY NOK GBP NZD CAD AUD 13 15 -3 5 11

Source: Bloomberg, Banorte

# BBDXY Points 1,400 1,350 1,300 1,250 1,150

Jan-23

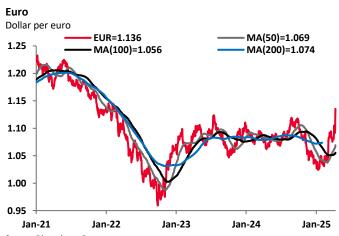
Jan-24

Jan-25

Source: Bloomberg, Banorte

Jan-22

1,100

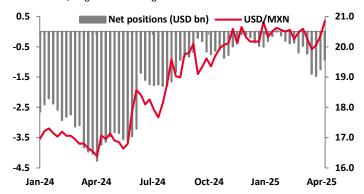




# **FX** positioning and flows

#### IMM positioning in USD/MXN futures

Billion dollars, Negative = net long in MXN



Source: CME, Banorte

#### IMM positioning in USD futures\*

Billion dollars, Positive = net long in USD

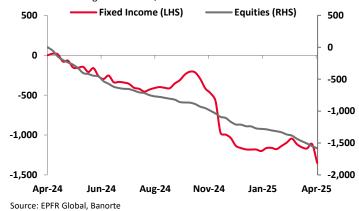


\*Respect to EUR, AUD, GBP, NZD, MXN, CAD, JPY, and CHF

Source: CME, Banorte

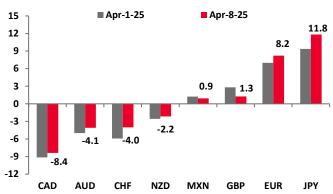
#### Foreign portfolio flows into Mexico (excluding ETF's investments)

Accumulated during the last 12M, million dollars



IMM positioning by currency\*

Billion dollars

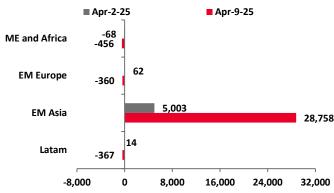


\* Positive: Net long in the corresponding currency

Source: CME, Banorte

#### Net foreign portfolio flows by region (Only ETF's investments)

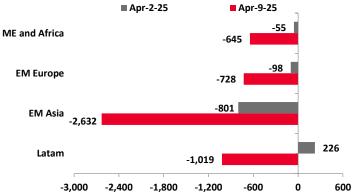
Billion dollars



Source: EPFR Global, Banorte

#### Net foreign portfolio flows by region (excluding ETF's investments)

Weekly, million dollars



Source: EPFR Global, Banorte



## **FX technicals**

#### USD/MXN – Moving averages and Fibonacci retracement

Last 12 months



Source: Bloomberg, Banorte

USD/MXN - 1-month correlation with other currencies and assets

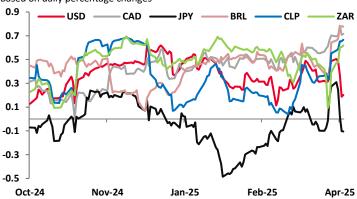
Based on daily percentages changes

	Actual (%)	Previous week	6m Min	6m Max	6m Average
EUR	20	51	11	62	38
CAD	72	69	1	78	42
JPY	-11	31	-49	31	-4
BRL	78	66	7	78	43
CLP	67	58	4	69	35
ZAR	62	47	9	69	49
VIX	60	42	-13	60	21
SPX	66	37	-15	66	20
GSCI	48	29	-21	60	24
Gold	41	26	-15	55	12

<sup>\*</sup> Positive: appreciation of MXN and corresponding asset except VIX Source: Bloomberg, Banorte

#### USD/MXN - 1-month correlation with other currencies\*

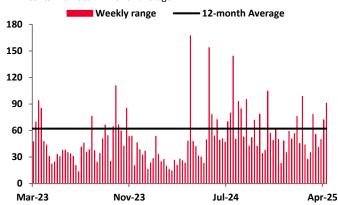
Based on daily percentage changes



<sup>\*</sup> Positive: appreciation of MXN and corresponding currency Source: Bloomberg, Banorte

#### USD/MXN - Weekly trading range

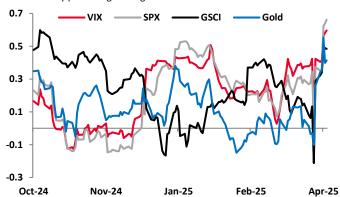
MXN cents with last 12 month average



Source: Bloomberg, Banorte

#### USD/MXN – 1-month correlation with other assets\*

Based on daily percentage changes



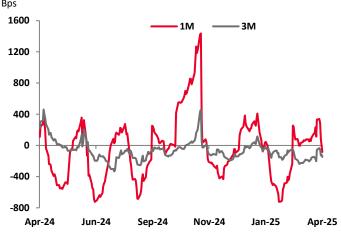
\* Positive: appreciation of MXN and corresponding asset except VIX Source: Bloomberg, Banorte



# **FX technicals (continued)**

#### USD/MXN - ATM options volatility curve 16 Today 2 weeks 3 weeks 4 weeks 15 14 13 12 11 1M 2M 3M 6M 9M 12M Source: Bloomberg, Banorte

#### USD/MXN - Spread between implicit and historical volatility



Source: Bloomberg, Banorte

#### USD/MXN - 25D risk reversals

Last 12 months, difference between USD calls and puts, in vols

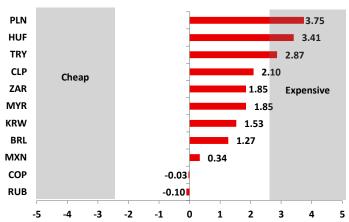


#### USD/MXN - Implied volatility



#### **Emerging markets 1-month ATM options volatility**

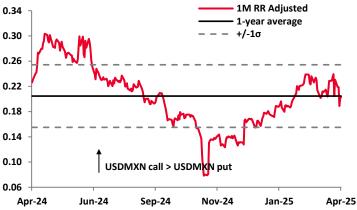
Against USD, in  $\sigma$  relative to last year's average



Source: Bloomberg, Banorte

#### USD/MXN - 1-month 25D volatility-adjusted risk reversal

Last 12 months, ratio adjusted against 1-month implied volatility



# **Weekly economic calendar**For the week ending April 20<sup>th</sup>, 2025

	Time		Event	Period	Unit	Banorte	Survey	Previous
	11:00	US	New York Fed 1-yr inflation expectations	Mar	%			3.13
4	13:00	US	Fed's Waller Speaks on Economic Outlook					
Mon 14	13:30	MX	Government weekly auction: 1-, 3-, 6-, and 12-month Cetes, 30-ye	ear Mbono (Jul'53), 3	3-year Udibono (	Aug'29) and 2-	and 5-year Bo	ndes F
Σ	18:00	US	Fed's Harker Speaks on Role of Fed					
	19:40	US	Fed's Bostic Speaks in Fireside Chat on Policy					
	02:00	UK	Unemployment rate*	Feb	%		4.4	4.4
	05:00	GER	ZEW Survey (Expectations)	Apr	index		10.0	51.6
	05:00	EZ	Industrial Production*	Feb	% m/m		0.2	0.8
	08:30	US	Empire manufacturing*	Apr	index	-13.0	-12.5	-20.0
15	11:00	MX	International reserves	Apr 11	US\$bn			237.8
Tue	19:10	US	Fed's Cook gives remarks at The Cal Alumni Club of Washington, D	).C.				
	22:00	CHI	Gross domestic product	1Q25	% y/y		5.2	5.4
	22:00	CHI	Industrial production	Mar	% y/y		5.9	5.9
	22:00	CHI	Retail sales	Mar	% y/y			4.0
	22:00	CHI	Gross fixed investment (YTD)	Mar	% y/y		4.1	4.1
	02:00	UK	Consumer prices	Mar	% y/y		2.7	2.8
	02:00	UK	Core	Mar	% y/y		3.4	3.5
	04:00	EZ	Current account*	Feb	EURbn			35.4
	05:00	EZ	Consumer prices	Mar (F)	% y/y		2.2	2.2
	05:00	EZ	Core	Mar (F)	% y/y		2.4	2.4
	08:30	US	Advance retail sales*	Mar	% m/m	0.8	1.4	0.2
91	08:30	US	Ex autos & gas*	Mar	% m/m		0.6	0.5
Wed 16	08:30	US	Control group*	Mar	% m/m	0.4	0.6	1.0
>	09:15	US	Industrial production*	Mar	% m/m	-0.2	-0.2	0.7
	09:15	US	Manufacturing production*	Mar	% m/m	-0.1	0.3	0.9
	09:45	CAN	Monetary policy decision (BoC)	Apr 16	%		2.75	2.75
	12:00	US	Fed's Hammack Speaks in Moderated Q&A					
	13:30	US	Fed's Powell Speaks to Economic Club of Chicago					
	19:00	US	Fed's Schmid Chats with Fed's Logan on Economy, Banking					
		SK	Monetary policy decision (Central bank of South Korea)	Apr 17	%		2.75	2.75
		MX	Markets closed for Good Thursday					
	07:00	TUR	Monetary policy decision (Central Bank of Turkey)	Apr 17	%		42.50	42.50
	08:15	EZ	Monetary policy decision (ECB)	Apr 17	%	2.25	2.25	2.50
	08:30	US	Housing starts**	Mar	thousands		1,416	1,501
Thu 17	08:30	US	Building permits**	Mar (P)	thousands		1,450	1,459
۲.	08:30	US	Philadelphia Fed*	Apr	index		3.0	12.5
	08:30	US	Initial jobless claims*	Apr 12	thousands	225	225	223
	08:45	EZ	ECB President Christine Lagarde Holds Press Conference					
	11:45	US	Fed's Barr Speaks in fireside chat at the New York Fed's State-of-th	ne-Field Conference	on Cyber Risk to	Financial Stab	oility	
87 L4		MX	Markets closed for Good Friday					
Ì	11:00	US	Fed's Daly Speaks in Moderated Conversation					
n 20	21:00	CHI	Rate decision 1-year Loan Prime Rate	Apr 21	%		3.10	3.10
Sun	21:00	CHI	Rate decision 5-year Loan Prime Rate	Apr 21	%		3.60	3.60

Source: Bloomberg and Banorte. (P) preliminary data; (R) revised data; (F) final data; \* Seasonally adjusted, \*\* Seasonally adjusted



### For the week ending April 25<sup>th</sup>, 2025

	Time		Event	Period	Unit	Banorte	Survey	Previous
Mon 21			No relevant economic releases					
	08:00	MX	Timely Indicator of Economic Activity*	Mar	% y/y			-0.7
	09:00	US	Fed's Jefferson Speaks at Economic Mobility Summit					
٥.	09:30	US	Fed's Daly Speaks in moderated Conversation at an event orga	nized by UC Berkeley's	Fisher Center fo	r Real Estate 8	Urban Econo	mics
Tue 22	10:00	EZ	Consumer Confidence*	Apr (P)	index			-14.5
F	11:00	MX	International reserves	Apr 16	US\$bn			
	13:30	MX	Government weekly auction: 1-, 3-, 6-, and 24-month Cetes, 5-	-year Mbono (Feb'30), 3	0-year Udibono	(Oct'54) and1	- and 3-year B	ondes F
	16:30	MX	Citi Survey of Economists					
	03:30	GER	Manufacturing PMI*	Apr (P)	index			48.3
	03:30	GER	Services PMI*	Apr (P)	index			50.9
	03:30	GER	Composite PMI*	Apr (P)	index			51.3
	04:00	EZ	Manufacturing PMI*	Apr (P)	index			48.6
	04:00	EZ	Services PMI*	Apr (P)	index			51.0
	04:00	EZ	Composite PMI*	Apr (P)	index			50.9
	04:30	UK	Manufacturing PMI*	Apr (P)	index			44.9
	04:30	UK	Services PMI*	Apr (P)	index			52.5
Ω	05:00	EZ	Trade balance*	Feb	EURbn			14.0
Wed 23	08:00	MX	Retail sales	Feb	% y/y			2.7
>	08:00	MX	Retail sales*	Feb	% m/m			0.6
	09:00	US	Fed's Goolsbee Gives Opening Remarks					
	09:30	US	Fed's Musalem, Waller Give Opening Remarks					
	09:45	US	Manufacturing PMI*	Apr (P)	index			50.2
	09:45	US	Services PMI*	Apr (P)	index			54.4
	09:45	US	Composite PMI*	Apr (P)	index			53.5
	10:00	US	New home sales**	Mar	thousands		683	676
	14:00	US	Beige Book					
	18:30	US	Fed's Hammack at Money Marketeers					
	04:00	GER	IFO Survey (business climate)*	Apr	%			86.7
	08:00	MX	Consumer prices	Apr 15	% 2w/2w			0.21
	08:00	MX	Core	Apr 15	% 2w/2w			0.18
4	08:00	MX	Consumer prices	Apr 15	% y/y			3.93
Thu 24	08:00	MX	Core	Apr 15	% y/y			3.72
_	08:30	US	Durable goods orders*	Mar (P)	% m/m		0.5	1.0
	08:30	US	Ex transportation*	Mar (P)	% m/m			0.7
	08:30	US	Initial jobless claims*	Apr 19	thousands			
	10:00	US	Existing home sales**	Mar	millions		4.1	4.3
	08:00	BZ	Consumer prices	Apr	% m/m			0.64
ю	08:00	BZ	Consumer prices	Apr	% y/y			5.26
Fri 25	08:00	MX	Economic activity indicator (IGAE)	Feb	% y/y			-0.1
_	08:00	MX	Economic activity indicator (IGAE)*	Feb	% m/m			-0.2
	10:00	US	U. of Michigan confidence*	Apr (F)	index			50.8

Source: Bloomberg and Banorte. (P) preliminary data; (R) revised data; (F) final data; \* Seasonally adjusted, \*\* Seasonally adjusted annualized rate



Recent trade ideas			
Trade idea	P/L	Initial date	End date
Pay TIIE-IRS (130x1), receive 10-year SOFR	L	Feb-28-25	Apr-11-25
2y10y TIIE-F steepener	Р	Jan-17-25	Apr-10-25
By10y TIIE-IRS steepener	L	Sep-27-24	Oct-7-24
Factical longs in Udibono Dec'26	L	Sep-27-24	Oct-24-24
2y10y TIIE-IRS steepener	Р	Jul-11-24	Sep-17-24
Factical longs in Udibono Nov'35	Р	Jul-5-24	Aug-02-24
Factical longs in Udibono Dec'26	Р	Feb-16-24	Mar-08-24
Pay 1-year TIIE-IRS (13x1)	Р	Jan-12-24	Jan-19-24
2y10y TIIE-IRS steepener	L	Oct-13-23	Feb-23-24
ong positions in Mbono Dec'24	Р	Jun-16-23	Jun-22-23
Pay TIIE-IRS (26x1), receive 2-year SOFR	L	Aug-18-22	Oct-28-22
Pay 2-year TIIE-IRS (26x1)	Р	Feb-4-22	Mar-4-22
Tactical longs in Mbono Mar'26	P	May-14-21	Jun-7-21
Receive 6-month TIIE-IRS (6x1)	Р	Dec-17-20	Mar-3-21
Long positions in Udibono Nov'23	L	Feb-11-21	Feb-26-21
ong positions in Mbono May'29 & Nov'38	Р	Sep-7-20	Sep-18-20
ong positions in Udibono Dec'25	P	Jul-23-20	Aug-10-20
ong positions in Udibono Nov'35	Р	May-22-20	Jun-12-20
ong positions in Mbono May'29	P	May-5-20	May-22-20
Factical longs in 1- & 2-year TIIE-28 IRS	Р	Mar-20-20	Apr-24-20
Long positions in Udibono Nov'28	P	Jan-31-20	Feb-12-20
ong positions in Udibono Jun'22	Р	Jan-9-20	Jan-22-20
ong positions in Mbono Nov'47	L	Oct-25-19	Nov-20-19
ong positions in Mbonos Nov'36 & Nov'42	Р	Aug-16-19	Sep-24-19
ong positions in the short-end of Mbonos curve	P	Jul-19-19	Aug-2-19
ong positions in Mbonos Nov'42	L	Jul-5-19	Jul-12-19
ong positions in Mbonos Nov'36 & Nov'38	Р	Jun-10-19	Jun-14-19
ong positions in Mbonos Jun'22 & Dec'23	Р	Jan-9-19	Feb-12-19
ong floating-rate Bondes D	P	Oct-31-18	Jan-3-19
ong CPI-linkded Udibono Jun'22	L	Aug-7-18	Oct-31-18
ong floating-rate Bondes D	Р	Apr-30-18	Aug-3-18
Long 20- to 30-year Mbonos	Р	Jun-25-18	Jul-9-18
Short Mbonos	Р	Jun-11-18	Jun-25-18
ong CPI-linkded Udibono Jun'19	Р	May-7-18	May-14-18
ong 7- to 10-year Mbonos	L	Mar-26-18	Apr-23-18
ong CPI-linkded Udibono Jun'19	Р	Mar-20-18	Mar-26-18
Long 5- to 10-year Mbonos	Р	Mar-5-18	Mar-20-18
Long floating-rate Bondes D	Р	Jan-15-18	Mar-12-18
Long 10-year UMS Nov'28 (USD)	L	Jan-15-18	Feb-2-18

P = Profit, L = Loss

Short-term tactical trades						
Trade Idea	P/L*	Entry	Exit	Initial Date	End date	
USD/MXN call spread (European options: long call with K=20.65 & short call with K=21.00)	L	20.55	20.25	Feb-28-25	Mar-7-25	
USD/MXN call spread (American options: long call with K=20.65 & short call with K=21.00)	Р	20.55	21.00	Feb-28-25	Mar-4-25	
Long USD/MXN	Р	19.30	19.50	Oct-11-19	Nov-20-19	
Long USD/MXN	Р	18.89	19.35	Mar-20-19	Mar-27-19	
Long USD/MXN	Р	18.99	19.28	Jan-15-19	Feb-11-19	
Long USD/MXN	Р	18.70	19.63	Oct-16-18	Jan-3-19	
Short USD/MXN	Р	20.00	18.85	Jul-2-18	Jul-24-18	
Long USD/MXN	Р	19.55	19.95	May-28-18	Jun-4-18	
Long USD/MXN	Р	18.70	19.40	Apr-23-18	May-14-18	
Long USD/MXN	Р	18.56	19.20	Nov-27-17	Dec-13-17	
Long USD/MXN	L	19.20	18.91	Nov-6-17	Nov-17-17	
Long USD/MXN	Р	18.58	19.00	Oct-9-17	Oct-23-17	
Short USD/MXN	L	17.80	18.24	Sep-4-17	Sep-25-17	
Long USD/MXN	Р	14.40	14.85	Dec-15-14	Jan-5-15	
Long USD/MXN	Р	13.62	14.11	Nov-21-14	Dec-3-14	
Short EUR/MXN	Р	17.20	17.03	Aug-27-14	Sep-4-14	

<sup>\*</sup> Total return does not consider carry gain/losses P = Profit, L = Loss



Track of directional fixed-income trade recommendations							
Trade idea	Entry	Target	Stop-loss	Closed	P/L	Initial date	End date
Long Udibono Dec'20	3.05%	2.90%	3.15%	3.15%	L	Aug-9-17	Oct-6-17
5y10y TIIE-IRS steepener	28bps	43bps	18bps	31bps	$P^2$	Feb-15-17	Mar-15-17
5y10y TIIE-IRS steepener	35bps	50bps	25bps	47bps	Р	Oct-5-16	Oct-19-16
Long Mbono Jun'21	5.60%	5.35%	5.80%	5.43%	Р	Jul-13-16	Aug-16-16
Long Udibono Jun'19	1.95%	1.65%	2.10%	2.10%	L	Jul-13-16	Aug-16-16
Receive 1-year TIIE-IRS (13x1)	3.92%	3.67%	4.10%	$3.87\%^{1}$	Р	Nov-12-15	Feb-8-16
Long spread 10-year TIIE-IRS vs US Libor	436bps	410bps	456bps	410bps	Р	Sep-30-15	Oct-23-15
Receive 9-month TIIE-IRS (9x1)	3.85%	3.65%	4.00%	3.65%	Р	Sep-3-15	Sep-18-15
Spread TIIE 2/10 yrs (flattening)	230bps	200bps	250bps	200bps	Р	Jun-26-15	Jul-29-15
Long Mbono Dec'24	6.12%	5.89%	6.27%	5.83%	Р	Mar-13-15	Mar-19-15
Relative-value trade, long 10-year Mbono	(Dec'24) / f	lattening o	of the curve		Р	Dec-22-14	Feb-6-15
Pay 3-month TIIE-IRS (3x1)	3.24%	3.32%	3.20%	3.30%	Р	Jan-29-15	Jan-29-15
Pay 9-month TIIE-IRS (9x1)	3.28%	3.38%	3.20%	3.38%	Р	Jan-29-15	Jan-29-15
Pay 5-year TIIE-IRS (65x1)	5.25%	5.39%	5.14%	5.14%	L	Nov-4-14	Nov-14-14
Long Udibono Dec'17	0.66%	0.45%	0.82%	0.82%	L	Jul-4-14	Sep-26-14
Relative-value trade, long Mbonos 5-to-10	-year				Р	May-5-14	Sep-26-14
Receive 2-year TIIE-IRS (26x1)	3.75%	3.55%	3.90%	3.90%	L	Jul-11-14	Sep-10-14
Receive 1-year TIIE-IRS (13x1)	4.04%	3.85%	4.20%	3.85%	Р	Feb-6-14	Apr-10-14
Long Udibono Jun'16	0.70%	0.45%	0.90%	0.90%	L	Jan-6-14	Feb-4-14
Long Mbono Jun'16	4.47%	3.90%	4.67%	4.06%	Р	Jun-7-13	Nov-21-13
Receive 6-month TIIE-IRS (6x1)	3.83%	3.65%	4.00%	3.81%	Р	Oct-10-13	Oct-25-13
Receive 1-year TIIE-IRS (13x1)	3.85%	3.55%	4.00%	3.85%		Oct-10-13	Oct-25-13
Long Udibono Dec'17	1.13%	0.95%	1.28%	1.35%	L	Aug-9-13	Sep-10-13
Receive 9-month TIIE-IRS (9x1)	4.50%	4.32%	4.65%	4.31%	Р	Jun-21-13	Jul-12-13
Spread TIIE-Libor (10-year)	390bps	365bps	410bps	412bps	L	Jun-7-13	Jun-11-13
Receive 1-year TIIE-IRS (13x1)	4.22%	4.00%	4.30%	4.30%	L	Apr-19-13	May-31-13
Long Udibono Jun'22	1.40%	1.20%	1.55%	0.97%	Р	Mar-15-13	May-3-13
Receive 1-year TIIE-IRS (13x1)	4.60%	4.45%	4.70%	4.45%	Р	Feb-1-13	Mar-7-13
Long Mbono Nov'42	6.22%	5.97%	6.40%	5.89%	Р	Feb-1-13	Mar-7-13
Long Udibono Dec'13	1.21%	0.80%	1.40%	1.40%	L	Feb-1-13	Apr-15-13
Receive 1-year TIIE-IRS (13x1)	4.87%	4.70%	5.00%	4.69%	Р	Jan-11-13	Jan-24-13
Receive TIIE Pay Mbono (10-year)	46bps	35bps	54bps	54bps	L	Oct-19-12	Mar-8-13
Spread TIIE-Libor (10-year)	410bps	385bps	430bps	342bps	Р	Sep-21-13	Mar-8-13
Long Udibono Dec'12	+0.97%	-1.50%	+1.20%	-6.50%	Р	May-1-12	Nov-27-12
Long Udibono Dec'13	+1.06%	0.90%	+1.35%	0.90%	Р	May-1-12	Dec-14-12

P = Profit, L = Loss

Track of the directional FX trade recommendations							
Trade Idea	Entry	Target	Stop-loss	Closed	P/L*	<b>Initial Date</b>	End date
Long USD/MXN	18.57	19.50	18.20	18.20	L	Jan-19-18	Apr-2-18
Long USD/MXN	14.98	15.50	14.60	15.43	Р	Mar-20-15	Apr-20-15
Short EUR/MXN	17.70	n.a.	n.a.	16.90	Р	Jan-5-15	Jan-15-15
Short USD/MXN	13.21	n.a.	n.a.	13.64	L	Sep-10-14	Sep-26-14
USD/MXN call spread**	12.99	13.30	n.a.	13.02	L	May-6-14	Jun-13-14
Directional short USD/MXN	13.00	12.70	13.25	13.28	L	Oct-31-13	Nov-8-13
Limit short USD/MXN	13.25	12.90	13.46			Oct-11-13	Oct-17-13
Short EUR/MXN	16.05	15.70	16.40	15.69	Р	Apr-29-13	May-9-13
Long USD/MXN	12.60	12.90	12.40	12.40	L	Mar-11-13	Mar-13-13
Long USD/MXN	12.60	12.90	12.40	12.85	Р	Jan-11-13	Feb-27-13
Tactical limit short USD/MXN	12.90	12.75	13.05			Dec-10-12	Dec-17-12
Short EUR/MXN	16.64	16.10	16.90	16.94	L	Oct-3-12	Oct-30-12



Carry + roll-down gains of 17bps
 Closed below target and before the proposed horizon date due to changes in market conditions that have differed from our expectations.

<sup>\*</sup> Total return does not consider carry gain/losses

\*\* Low strike (long call) at 13.00, high strike (short call) at 13.30 for a premium of 0.718% of notional amount

P = Profit, L = Loss

#### **Analyst Certification.**

We, Alejandro Padilla Santana, Juan Carlos Alderete Macal, Alejandro Cervantes Llamas, Marissa Garza Ostos, Katia Celina Goya Ostos, Francisco José Flores Serrano, José Luis García Casales, Santiago Leal Singer, Víctor Hugo Cortes Castro, Leslie Thalía Orozco Vélez, Hugo Armando Gómez Solís, Carlos Hernández García, Yazmín Selene Pérez Enríquez, Cintia Gisela Nava Roa, José De Jesús Ramírez Martínez, Daniel Sebastián Sosa Aguilar, Gerardo Daniel Valle Trujillo, Luis Leopoldo López Salinas, Marcos Saúl García Hernandez, Juan Carlos Mercado Garduño, Ana Gabriela Martínez Mosqueda, Ana Laura Zaragoza Félix, Jazmin Daniela Cuautencos Mora, Andrea Muñoz Sánchez and Paula Lozoya Valadez, certify that the points of view expressed in this document are a faithful reflection of our personal opinion on the company (s) or firm (s) within this report, along with its affiliates and/or securities issued. Moreover, we also state that we have not received, nor receive, or will receive compensation other than that of Grupo Financiero Banorte S.A.B. of C.V for the provision of our services.

#### Relevant statements.

In accordance with current laws and internal procedures manuals, analysts are allowed to hold long or short positions in shares or securities issued by companies that are listed on the Mexican Stock Exchange and may be the subject of this report; nonetheless, equity analysts have to adhere to certain rules that regulate their participation in the market in order to prevent, among other things, the use of private information for their benefit and to avoid conflicts of interest. Analysts shall refrain from investing and holding transactions with securities or derivative instruments directly or through an intermediary person, with Securities subject to research reports, from 30 calendar days prior to the issuance date of the report in question, and up to 10 calendar days after its distribution date.

#### Compensation of Analysts.

Analysts' compensation is based on activities and services that are aimed at benefiting the investment clients of Casa de Bolsa Banorte and its subsidiaries. Such compensation is determined based on the general profitability of the Brokerage House and the Financial Group and on the individual performance of each analyst. However, investors should note that analysts do not receive direct payment or compensation for any specific transaction in investment banking or in other business areas.

#### Last-twelve-month activities of the business areas.

**Grupo Financiero Banorte S.A.B. de C.V.,** through its business areas, provides services that include, among others, those corresponding to investment banking and corporate banking, to a large number of companies in Mexico and abroad. It may have provided, is providing or, in the future, will provide a service such as those mentioned to the companies or firms that are the subject of this report. Casa de Bolsa Banorte or its affiliates receive compensation from such corporations in consideration of the aforementioned services.

Over the course of the last twelve months, Grupo Financiero Banorte S.A.B. C.V., has not obtained compensation for services rendered by the investment bank or by any of its other business areas of the following companies or their subsidiaries, some of which could be analyzed within this report.

#### Activities of the business areas during the next three months.

Casa de Bolsa Banorte, Grupo Financiero Banorte or its subsidiaries expect to receive or intend to obtain revenue from the services provided by investment banking or any other of its business areas, by issuers or their subsidiaries, some of which could be analyzed in this report.

#### Securities holdings and other disclosures.

As of the end of last quarter, Grupo Financiero Banorte S.A.B. of C.V. has not held investments, directly or indirectly, in securities or derivative financial instruments, whose underlying securities are the subject of recommendations, representing 1% or more of its investment portfolio of outstanding securities or 1 % of the issuance or underlying of the securities issued.

None of the members of the Board of Grupo Financiero Banorte and Casa de Bolsa Banorte, along general managers and executives of an immediately below level, have any charges in the issuers that may be analyzed in this document.

The Analysts of Grupo Financiero Banorte S.A.B. of C.V. do not maintain direct investments or through an intermediary person, in the securities or derivative instruments object of this analysis report.

#### Guide for investment recommendations.

	Reference
BUY	When the share expected performance is greater than the MEXBOL estimated performance.
HOLD SELL	When the share expected performance is similar to the MEXBOL estimated performance.  When the share expected performance is lower than the MEXBOL estimated performance.

Even though this document offers a general criterion of investment, we urge readers to seek advice from their own Consultants or Financial Advisors, in order to consider whether any of the values mentioned in this report are in line with their investment goals, risk and financial position.

#### **Determination of Target Prices**

For the calculation of estimated target prices for securities, analysts use a combination of methodologies generally accepted among financial analysts, including, but not limited to, multiples analysis, discounted cash flows, sum-of-the-parts or any other method that could be applicable in each specific case according to the current regulation. No guarantee can be given that the target prices calculated for the securities will be achieved by the analysts of Grupo Financiero Banorte S.A.B. C.V, since this depends on a large number of various endogenous and exogenous factors that affect the performance of the issuing company, the environment in which it performs, along with the influence of trends of the stock market, in which it is listed. Moreover, the investor must consider that the price of the securities or instruments can fluctuate against their interest and cause the partial and even total loss of the invested capital.

The information contained hereby has been obtained from sources that we consider to be reliable, but we make no representation as to its accuracy or completeness. The information, estimations and recommendations included in this document are valid as of the issue date, but are subject to modifications and changes without prior notice; Grupo Financiero Banorte S.A.B. of C.V. does not commit to communicate the changes and also to keep the content of this document updated. Grupo Financiero Banorte S.A.B. of C.V. takes no responsibility for any loss arising from the use of this report or its content. This document may not be photocopied, quoted, disclosed, used, or reproduced in whole or in part without prior written authorization from Grupo Financiero Banorte S.A.B. of C.V.



#### Directory Research and Strategy



Raquel Vázquez Godinez Assistant raquel.vazquez@banorte.com (55) 1670 – 2967



María Fernanda Vargas Santoyo Analyst maria.vargas.santoyo@banorte.com (55) 1103 - 4000 x 2586





Juan Carlos Alderete Macal, CFA
Executive Director of Economic Research and
Market Strategy
juan.alderete.macal@banorte.com
(55) 1103 - 4046



Yazmín Selene Pérez Enríquez Senior Economist, Mexico yazmin.perez.enriquez@banorte.com (55) 5268 - 1694

Market Strategy



Santiago Leal Singer Director of Market Strategy santiago.leal@banorte.com (55) 1670 - 1751



Carlos Hernández García Senior Strategist, Equity carlos.hernandez.garcia@banorte.com (55) 1670 – 2250



Marcos Saúl García Hernandez Analyst, Fixed Income, FX and Commodities marcos.garcia.hernandez@banorte.com (55) 1670 - 2296



Juan Carlos Mercado Garduño Strategist, Equity juan.mercado.garduno@banorte.com (55) 1103 - 4000 x 1746

**Quantitative Analysis** 



Alejandro Cervantes Llamas Executive Director of Quantitative Analysis alejandro.cervantes@banorte.com (55) 1670 - 2972



Daniel Sebastián Sosa Aguilar Senior Analyst, Quantitative Analysis daniel.sosa@banorte.com (55) 1103 - 4000 x 2124



Alejandro Padilla Santana Chief Economist and Head of Research alejandro.padilla@banorte.com (55) 1103 - 4043



Itzel Martínez Rojas Analyst itzel.martinez.rojas@banorte.com (55) 1670 - 2251



Lourdes Calvo Fernández Analyst (Edition) lourdes.calvo@banorte.com (55) 1103 - 4000 x 2611



Francisco José Flores Serrano Director of Economic Research, Mexico francisco.flores.serrano@banorte.com (55) 1670 - 2957



Cintia Gisela Nava Roa Senior Economist, Mexico cintia.nava.roa@banorte.com (55) 1105 - 1438



Marissa Garza Ostos Director of Equity Strategy marissa.garza@banorte.com (55) 1670 - 1719



Hugo Armando Gómez Solís Senior Strategist, Equity hugoa.gomez@banorte.com (55) 1670 - 2247



Gerardo Daniel Valle Trujillo Senior Analyst, Corporate Debt gerardo.valle.trujillo@banorte.com (55) 1670 - 2248



Ana Gabriela Martínez Mosqueda Strategist, Equity ana.martinez.mosqueda@banorte.com (55) 5261 - 4882



José Luis García Casales Director of Quantitative Analysis jose.garcia.casales@banorte.com (55) 8510 - 4608



Jazmin Daniela Cuautencos Mora Strategist, Quantitative Analysis jazmin.cuautencos.mora@banorte.com (55) 1670 - 2904



Katia Celina Goya Ostos Director of Economic Research, Global katia.goya@banorte.com (55) 1670 - 1821



Luis Leopoldo López Salinas Economist, Global luis.lopez.salinas@banorte.com (55) 1103 - 4000 x 2707



Víctor Hugo Cortes Castro Senior Strategist, Technical victorh.cortes@banorte.com (55) 1670 - 1800



Leslie Thalía Orozco Vélez Senior Strategist, Fixed Income and FX leslie.orozco.velez@banorte.com (55) 5268 - 1698



Ana Laura Zaragoza Félix Strategist, Corporate Debt ana.zaragoza.felix@banorte.com (55) 1103 - 4000



Paula Lozoya Valadez Analyst, Equity paula.lozoya.valadez@banorte.com (55) 1103 - 4000 x 2060



José De Jesús Ramírez Martínez Senior Analyst, Quantitative Analysis jose.ramirez.martinez@banorte.com (55) 1103 - 4000



Andrea Muñoz Sánchez Strategist, Quantitative Analysis andrea.muñoz.sanchez@banorte.com (55) 1105 - 1430

