

#### **Juan Manuel Pazos**

Chief Economist +54 11 4898 6606 jmpazos@tpcgco.com

#### Santiago Resico

LATAM Strategist +54 11 4898 6615 sresico@tpcgco.com

Uruguay's fiscal position remained stable in February, with increasing income sources matching the slight rise in expenditures.

Non-financial public sector income printed 27.4pp of GDP (+0.2pp relative to January), with the increase driven by an improvement in Soc. Sec collections and the SOE's primary balance.

On the spending side, expenditures came at 28.1pp of GDP (+0.1pp relative to January). Central Government primary outlays increased in February, with the widening coming on the back of Soc. Sec outlays.

**LATAM Strategy - Uruguay** 

April 4, 2023

# **Uruguay Strategy View**

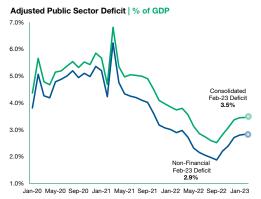
#### The fiscal position plateaued in February at -3.5% of GDP

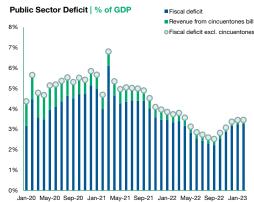
Uruguay's fiscal position remained stable in February, with increasing income sources matching the slight rise in expenditures. The Government's policy agenda continues to concentrate on bolstering disposable income and real wages, after the high inflation during 2022 put a strain on salaries, recently announcing a tax cut of 0.25pp of GDP. Still, the administration continues to consolidate the fiscal position, conveying a strong commitment to balancing government accounts in the medium term. In February, non-financial public sector income printed 27.4pp of GDP (+0.2pp relative to January), with the increase driven by an improvement in Soc. Sec collections and the SOE's primary balance. On the spending side, expenditures came at 28.1pp of GDP (+0.1pp relative to January). Central Government primary outlays increased in February, with the widening coming on the back of Soc. Sec outlays. In this context, the primary fiscal deficit excl. cincuentones came at -0.8pp of GDP, flat since December, after worsening nonstop since Sept-22, as the fiscal balance suffered substantially during 4Q22. February's figure followed prints of-0.8pp in January - -0.8pp in December - and -0.4pp in November -. In this context, the primary position remained flat relative to December, accounted for by a 0.2pp increase in NFPS income, and a 0.1pp increase in NFPS outlays. Consistently, the consolidated public sector deficit excl. cincuentones stood over the 3pp of GDP mark for the fourth month running. February's print came in at -3.5% of GDP- flat from -3.5% in January, but up from -3.4% in December and -3.1% in November --.

Non-financial public sector income printed 27.4pp of GDP (+0.2pp relative to January), with the increase driven by an improvement in Soc. Sec collections and the SOE's primary balance. Central Govt & SocSec income clocked in at 27.4pp of GDP in February (+0.2pp relative to January). However, there was a slight shift in composition inside the segment. Soc. Sec. collection continues enjoying positive dynamics, even if posting a mild 0.1pp increase. Tax revenues showed no variation relative to January, as the economy start to lose momentum. On the other hand, Other Income experienced a 0.2pp drop. This was offset by the performance of the SOEs, as their primary result, one of the main drivers of 2022's fiscal overperformance, came in at 1.2pp, rising by 0.2pp relative to January. Finally, the primary balance of Munis & BSE remained constant at 0.2pp. All in all, non-financial public sector income in February rose by 0.2pp relative to January.

On the spending side, expenditures came at 28.1pp of GDP (+0.1pp relative to January). Central Government primary outlays increased in February, with the widening coming on the back of Soc. Sec outlays. In February, the COVID Fund balance totaled -0.4pp of GDP—dropping by 0.1pp relative to January, and down by 0.2pp YTD. In this context, Central Govt & Soc. Sec. expenditures totaled 25.7pp (+0.1pp relative to January) on the back of a single 0.1pp increase in Soc. Sec. outlays. Public investment lost some momentum at the start of 2023, remaining stable relative to January, standing at 2.4pp of GDP, not influencing the increase of expenditures. With non-financial public sector income rising by +0.2pp, non-financial public sector outlays increasing by +0.1pp, and cincuentones revenues standing at 0.2pp of GDP, the primary deficit excl. cincuentones stood at -0.8pp in February—flat from -0.8pp in January and -0.8pp in December, while down from -0.4pp in November—.

Figure 1: February's fiscal figures





| 12m rolling - as % of GDP                   | Dec-21 | Dec-22 | Jan-23 | Feb-23 | Dec-23* |
|---|--------|--------|--------|--------|---------|
| NFPS Income                                 | 26.7%  | 27.1%  | 27.3%  | 27.4%  | 26.5%   |
| Central Government                          | 18.9%  | 19.3%  | 19.5%  | 19.4%  | 19.1%   |
| Tax Revenues                                | 15.9%  | 16.5%  | 16.6%  | 16.7%  | 16.3%   |
| International Trade                         | 1.1%   | 1.1%   | 1.1%   | 1.1%   | 1.0%    |
| Others                                      | 1.8%   | 1.7%   | 1.7%   | 1.6%   | 1.8%    |
| Soc.Sec contributions                       | 6.4%   | 6.8%   | 6.8%   | 6.9%   | 6.5%    |
| SOE primary balance                         | 1.4%   | 1.0%   | 1.0%   | 1.2%   | 0.7%    |
| BSE &Munis primary balance                  | 0.2%   | 0.1%   | 0.2%   | 0.2%   | 0.3%    |
| BCU primary balance                         | 0.0%   | -0.1%  | -0.1%  | -0.1%  | -0.1%   |
| NFPS Outlays                                | 27.5%  | 27.8%  | 28.0%  | 28.1%  | 25.8%   |
| Central Govt. Primary Outlays               | 25.8%  | 25.4%  | 25.6%  | 25.7%  | 24.6%   |
| Personnel spending                          | 4.6%   | 4.6%   | 4.6%   | 4.6%   | 4.6%    |
| Non-Personnel spending                      | 4.3%   | 3.9%   | 3.9%   | 3.9%   | 3.4%    |
| Pensions                                    | 9.0%   | 8.9%   | 9.0%   | 9.0%   | 8.9%    |
| Transfers                                   | 7.9%   | 8.0%   | 8.1%   | 8.1%   | 7.7%    |
| Public investment                           | 1.8%   | 2.4%   | 2.4%   | 2.4%   | 1.2%    |
| Public Sector Primary Balance               | -0.7%  | -0.6%  | -0.6%  | -0.6%  | 0.7%    |
| Interest payments                           | 2.8%   | 2.6%   | 2.6%   | 2.7%   | 3.1%    |
| Consolidated Public Sector Deficit          | -3.5%  | -3.2%  | -3.3%  | -3.3%  | -2.6%   |
| Cincuentones revenues                       | -0.5%  | -0.2%  | -0.2%  | -0.2%  | -0.1%   |
| Adjusted Consolidated Public Sector Deficit | -4.0%  | -3.4%  | -3.5%  | -3.5%  | -2.7%   |

Source: TPCG Research based on MEF

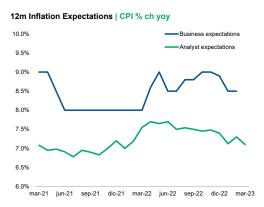
#### Inflation clocked in at +0.9% in Mar-23, rising to +3.5% YTD

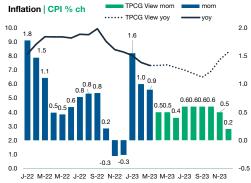
March CPI prints +0.90%mom, coming in 18bp over the +0.72%mom expectations portrayed in the BCU's survey. March CPI prints +0.90%mom, coming in 18bp over the +0.72%mom expectations portrayed in the BCU's survey. Monthly inflation printed +0.9%mom- coming in under February's +1%mom and January's +1.55%mom albeit well over the average print of the 4Q22, as the 1Q23 is riddled with seasonal factors pressing the inflationary process on the upside. In March, again the monthly hike came in heavily influenced by the Food & Non-Alcoholic Beverages segment, as the drought affecting agricultural production drove the prices of fruits and vegetables up. The subsection clocked in at +2.24%, maintaining a strong inflationary impulse, coming over February's (+1.84%mom) and January's print (+1.85%mom), marking a very strong start to the year. The segment accumulated a 6% rise in 1Q23. This confirms the reversion of the trend showcased during 4Q22, when food prices dropped in November (-0.71% mom) and October (-0.14% mom). The segment spearheaded the increases jointly with Education (+3.85%mom) and to a lesser extent, Hotels&Restaurants (+0.48%mom). The rest of the segments had little influence on the monthly print. On the yearly gauge, consumer prices rose by +7.33%yoy marking the sixth decrease in a row for the index, following prints of +7.55%yoy in February, +8.05%yoy in January and +8.29%yoy in December. The yearly index was influenced by a strong baseline effect, as 2022's prints for the 1Q were especially high. In this context, the yoy variation now surpassed the +6%yoy upper bound of the BCU's target



range for the twenty-second month in a row. With March's inflation clocking in at +0.9%mom, YTD inflation currently stands at +3.5%.

Figure 2: The drought pressures food prices on the upside





Source: TPCG Research based on BCU and INE

March's CPI print came mostly on the back of the Food & Non-Alcoholic Beverages segment, as the drought affected agricultural production, which compounded with the seasonal increase in Education prices.

March's CPI print came mostly on the back of the Food & Non-Alcoholic Beverages segment, as the drought affected agricultural production, which compounded with the seasonal increase in Education prices. The Food & Non-Alcoholic Beverages continued with February's trend, posting a +2.24%mom rise. In March, subsection performance was also marked by volatility, with most sub-indexes experiencing large increases, albeit with some notable exceptions. The always volatile Fruits segment experienced a +10.9% mom increase, as did Vegetables, which rose by +12.35%mom, with production hampered by the current drought. Instead, Meat prices reverted February's -0.61% mom drop, albeit rising at a slower trend than the general index, jumping by 0.52%. This could respond to the dry climatic conditions, which are possibly affecting meat supply, and to the lower international prices which saw exports crash during 4Q22. Dairy products also lagged the general index, increasing by +0.5%mom. In this context, Food & Non-Alcoholic Beverages' contribution singlehandedly explained nearly two thirds of the monthly print, coming in at 59bp. The only other subsection that affected prices significantly was Education, which increased by +3.85% mom. The hike came on the back of the start of the school year, which saw several increases in most subsections, including Preschool (+5.01%mom) Primary School (+5.17%mom) and Secondary School (+4.95%mom). This subsection contributed another 13bp to the monthly print. Restaurants&Hotels (+0.48%mom) and Entertainment (+0.69%mom) contributed 4bp each to the print, as the residual impulse of the tourism season wears off. Finally, the rest of the sectors experienced increases mostly in the -0.1%mom - +0.5%mom range, contributing the remainder of the March print.

### 4Q BoP flows turned unsupportive with Meat exports plummeting

In other news, the combination of weak meat exports and UYU appreciation seems to have caught up with BoP flows, as Uruguay's 4Q22 current account deficit clocked in at USD1.09bn vs USD0.46bn in 4Q21.

In other news, the combination of weak meat exports and UYU appreciation seems to have caught up with BoP flows, as Uruguay's 4Q22 current account deficit clocked in at USD1.09bn vs USD0.46bn in 4Q21. Dissecting the widening, the trade balance was the segment with the largest impact, as the latter dropped by nearly USD0.66bn relative to 4Q21. This can be explained mostly by the poor performance of the agricultural sector during 4Q22, that resulted in a -21.5%yoy drop in the segment's GDP during the last quarter of 2022. The winter crops (wheat) performed mostly in line with last year, as most of the underperformance came on the side of the Meat, with the combined effects on ranching and processed meat exports amounting to a USD390mn drop. This strongly impacted general exports, which experienced a quarterly yoy fall of USD485mn, explaining most of the underperformance. This compounded with a 15-day technical maintenance stop in the UPM plant, which was also responsible for the dip in exports. Imports on the other hand benefited from the FX trend and the PCE dynamics, rising by USD176mn. All in all, the performance of the trade balance was underwhelming, albeit came in line with the weak quarterly GDP print. However, the services balance managed to offset part of the deterioration in its commercial counterpart, was Exports rose by USD404mn, resulting in a net improvement of 170mn, as services imports widened by USD235mn. Primary income also contributed to the deficit widening, as its deficit increased by



USD130mn. All in all, the Current Account balance experienced a 630mn deterioration, with the weak agricultural campaign being the main driver. In yearly terms, the current account deficit came in at -3.2% of GDP (-USD2.2bn), worsening by 0.7pp relative to 2021 (-2.5% of GDP; -USD1.5bn).

Figure 3: the CA closed 2023 with a -3.2% of GDP deficit

|                      | 2021   |        | 2022   |        | 2021   | 2022   |        |
|----------------------|--------|--------|--------|--------|--------|--------|--------|
| USDmn                | 1H     | 2H     | 1H     | 2H     | 2021   | 2022   | Δ      |
| Current account      | -901   | -640   | -978   | -1,290 | -1,541 | -2,268 | -728   |
| Goods & Services     | 2,139  | 2,361  | 2,230  | 1,659  | 4,500  | 3,889  | -611   |
| Goods                | 2,183  | 2,306  | 2,092  | 1,449  | 4,489  | 3,541  | -948   |
| Exports              | 7,058  | 8,642  | 8,553  | 8,603  | 15,700 | 17,156 | 1,455  |
| Imports              | 4,875  | 6,336  | 6,461  | 7,154  | 11,211 | 13,615 | 2,403  |
| Services             | -44    | 55     | 137    | 211    | 11     | 348    | 337    |
| Exports              | 1,634  | 2,064  | 2,508  | 2,941  | 3,699  | 5,449  | 1,751  |
| Imports              | 1,678  | 2,009  | 2,371  | 2,731  | 3,687  | 5,101  | 1,414  |
| Primary Income       | -3,070 | -3,049 | -3,279 | -3,014 | -6,119 | -6,292 | -173   |
| Secondary Income     | 30     | 48     | 71     | 64     | 78     | 135    | 57     |
| Capital account      | -13    | -17    |        | 0      | -30    |        | 31     |
| Financial Account    | 332    | -1,063 | 422    | -2,597 | -731   | -2,174 | -1,444 |
| Direct Investment    | -1,087 | -677   | -1,271 | -2,003 | -1,764 | -3,274 | -1,510 |
| Portfolio Investment | -630   | 1,492  | 1,744  | -203   | 862    | 1,541  | 679    |
| Derivatives          | 124    | 341    | 611    | 224    | 466    | 835    | 370    |
| Other Investment     | 1,133  | -2,271 | 246    | 56     | -1,138 | 301    | 1,439  |
| Errors & Ommisions   | 1,246  | -406   | 1,401  | -1,307 | 840    | 93     | -747   |
| Reserve Assets       | 792    | 51     | -907   | -671   | 843    | -1,578 | -2,422 |
| GDP (USDmn)          | 61,    | 422    | 71,    | 199    | 61,422 | 71,199 | 9,777  |
| Balance as % of GDP  | -1.5%  | -1.0%  | -1.4%  | -1.8%  | -2.5%  | -3.2%  | -0.7%  |

Source: TPCG Research based on BCU

Looking ahead, we expect the bad performance of the agricultural sector to seep further into the FX dynamics.

Looking ahead, we expect the bad performance of the agricultural sector to seep further into the FX dynamics. While we continue to find the price of the USDUYU at relatively fair levels, we believe the reversal of the BoP flows should hamper further compression prospects and contribute to a steady depreciation of the FX in nominal terms during the year. With the BCU letting the exchange rate float, we do believe the FX should not be prone to gap, but the drop in exports will slowly erode the exchange rate. Even as we believe said effect is transitory, and largely caused by the drought straining agri-flows, we find this year will be momentarily challenging for the UYU, especially during the end of 2Q22 and the start of the 3Q, as it could compound the effect of the drying up of weaker agriflows with a UPM II plant which is not fully operational, slightly straining the USDUYU. In this context, we now believe the eop USDUYU for 2023 should hover around the 41.5 mark, instead of standing near 41 USDUYU.

# LCD Strategy: Despite March's inflation surprise, nominals are poised to edge linkers as inflation tempers after the drought

We remain OW in nominals in a context where they just edge linkers, as the real rates in UYU securities are prone to stay high. We remain OW in nominals in a context where they just edge linkers, as the real rates in UYU securities are prone to stay high. Our baseline scenario currently expects the FX to clock in at the 40USDUYU mark by the end of 1H23, while for Dec-22 we envisage the exchange rate to stand near the 41.5USDUYU level. Looking at inflation, we expect the current pressures on the upside to subside as the effect of the drought starts to wane. In this regard, the Food&Drink index experienced a 6%YTD variation, mostly fueled by the more volatile subsections, as Vegetables and Fruits spearheaded the monthly increases. This transitory effect, combined to the residual increases caused by last year's salary negotiations caused the annualized inflation rate for 1Q23 to spike near the +15% mark. We expect said trend to revert starting April, and we expect the annualized rate to come close to the +6.4% for 2H23, slowing down significantly. In a context where the start of the year was negative for inflation prints, the probability of yearly inflation for 2023 coming in below or close to the 7% mark looks slim. In this context, we do



believe the CenBank will be forced to maintain the policy rates at high real levels, but starting to reduce the nominal rate, possibly as soon as 2Q23. With a slightly more strained FX, inflation tampering during 2H23, and a high policy rate, we believe UYU securities will present a better real rate than the linkers curve. However, we do find the real rates in the back-end of the linkers curve attractive, albeit the carry in the nominals give them a slight edge at the moment. We calculate the future total returns for UI and UYU denominated securities with our baseline scenario and expecting the UI curve to compress by nearly 30bp and the UYU space by 50bp, for both the end of 1H23 and 2H23. We find the UI40 to be an interesting play in the short term, especially if inflation remains stubbornly high. However, widening the scope up until the end of the year, then nominal securities presently have a slight edge, even as the UI40 continue to be a competitive choice in this scenario.

Figure 4: In the linkers space the UI40's look as the best pick

|          | 30/6/2023 |                  |           |     | 30/12/2023 |                     |           |     |
|----------|-----------|------------------|-----------|-----|------------|---------------------|-----------|-----|
|          | Carry     | Δ Clean PX (bps) | Inflation | TR  | Carry      | Δ Clean PX<br>(bps) | Inflation | TR  |
| Linkers  |           |                  |           |     |            |                     |           |     |
| UY27     | 98        | -326             | 195       | -33 | 300        | -714                | 485       | 71  |
| UY28     | 98        | -341             | 193       | -50 | 300        | -693                | 480       | 87  |
| UY37     | 84        | -202             | 195       | 78  | 258        | -463                | 493       | 288 |
| UY40     | 87        | -178             | 196       | 104 | 265        | -425                | 495       | 335 |
| Nominals |           |                  |           |     |            |                     |           |     |
| UY28     | 213       | -178             | -         | 35  | 632        | -313                | -         | 319 |
| UY31     | 208       | -85              | -         | 123 | 618        | -138                | -         | 481 |

Source: TPCG Research based on TPCG Trading Desk



## **TPCG Analysts & Staff**

| Ti Od Analysts & Otal           | •  |                               |                  |  |
|---------------------------------|--|-------------------------------|------------------|--|
| Research                        |  |                               |                  |  |
| Juan Manuel Pazos               | Chief Economist                          | jmpazos@tpcgco.com            | +54 11 4898-6606 |  |
| Paula La Greca                  | Corporate Research Analyst               | plagreca@tpcgco.com           | +54 11 4898-6638 |  |
| Federico Martin                 | Strategist                               | famartin@tpcgco.com           | +54 11 4898-6633 |  |
| Santiago Resico                 | LATAM Strategist                         | sresico@tpcgco.com            | +54 11 4898-6615 |  |
| Sales & Trading                 |  |                               |                  |  |
| Juan Manuel Truppia             | Head of Sales & Trading                  | jmtruppia@tpcgco.com          | +54 11 4898-6659 |  |
| Juan Martin Longhi              | S&T Director                             | jlonghi@tpcgco.com            | +54 11 4898-6656 |  |
| Lucia Rodriguez Pardina         | S&T Director                             | Irodriguezpardina@tpcgco.com  | +54 11 4898-6614 |  |
| Agustina Guadalupe              | Sales                                    | aguadalupe@tpcgco.com         | +54 11 4898-6682 |  |
| Maria Pilar Hurtado             | Sales                                    | mhurtado@tpcgco.com           | +54 11 4898-6616 |  |
| Juan Ignacio Vergara            | Sales                                    | jivergara@tpcgco.com          | +54 11 4898-1936 |  |
| Santiago Baibiene               | Sales                                    | sbaibiene@tpcgco.com          | +54 11 4898-6648 |  |
| Pedro Nollmann                  | Sales                                    | pnollmann@tpcgco.com          | +54 11 4898-6617 |  |
| María Ruiz de Castroviejo Salas | Sales                                    | mruizdecastroviejo@tpcgco.com | +54 11 4898-6643 |  |
| Victoria Faynbloch              | Desk Analyst                             | vfaynbloch@tpcgco.com         | +54 11 4898-6635 |  |
| Felipe Freire                   | Trader                                   | ffreire@tpcgco.com            | +54 11 4898-1921 |  |
| Homero Fernandez Bianco         | Trader                                   | hfbianco@tpcgco.com           | +54 11 4898-6667 |  |
| Andres Robertson                | Trader                                   | arobertson@tpcgco.com         | +54 11 4898-6693 |  |
| Corporate Banking               |  |                               |                  |  |
| José Ramos                      | Head of Corporate Banking                | jramos@tpcgco.com             | +54 11 4898-6645 |  |
| Camila Martinez                 | Corporate Sales                          | cmartinez@tpcgco.com          | +54 11 4898-6621 |  |
| Fernando Depierre               | Corporate Sales                          | fdepierre@tpcgco.com          | +54 11 4898-6636 |  |
| Sol Silvestrini                 | Corporate Sales                          | ssilvestrini@tpcgco.com       | +54 11 4898-6641 |  |
| Nicolas Iglesias                | Corporate Sales                          | niglesias@tpcgco.com          | +54 11 4898-6612 |  |
| Capital Markets                 |  |                               |                  |  |
| Fernando Lanus                  | Head of Capital Markets                  | flanus@tpcgco.com             | +54 11 4898-6632 |  |
| Nicolás Alperín                 | colás Alperín Investment Banking Analyst |                               | +54 11 4898-6604 |  |
| Asset Management                |  |                               |                  |  |
| Ileana Aiello                   | Portfolio Manager                        | iaiello@tpcgco.com            | +54 11 4898-6611 |  |
| Claudio Achaerandio             | Portfolio Manager                        | cachaerandio@tpcgco.com       | +54 11 4898-6618 |  |



#### Important Disclaimer

The document, and the information, opinions, estimates and recommendations expressed herein, have been prepared by TPCG Valores SAU to provide its customers with general information regarding the date of issue of the report and are subject to changes without prior notice. TPCG Valores SAU is not liable for giving notice of such changes or for updating the contents hereof. The document and its contents do not constitute an offer, invitation or solicitation to purchase or subscribe to any securities or other instruments, or to undertake or divest investments. Neither shall the document nor its contents form the basis of any contract, commitment or decision of any kind.

Investors who have access to the document should be aware that the securities, instruments or investments to which it refers may not be appropriate for them due to their specific investment goals, financial positions or risk profiles, as these have not been taken into account to prepare the report. Therefore, investors should make their own investment decisions considering the said circumstances and obtain such specialized advice as may be necessary.

The contents of the document are based upon information available to the public that has been obtained from sources considered to be reliable. However, such information has not been independently verified by TPCG Valores SAU, and therefore no warranty, either express or implicit, is given regarding its accuracy, integrity or correctness. TPCG Valores SAU. accepts no liability of any type for any direct or indirect losses arising from the use of the document or its contents. Investors should note that the past performance of securities or instruments or the historical results of investments do not guarantee future performance. The market prices of securities or instruments or the results of investments could fluctuate against the interests of investors. Investors should be aware that they could even face a loss of their investment.

Transactions in futures, options and securities or high-yield securities can involve high risks and are not appropriate for every investor. Indeed, in the case of some investments, the potential losses may exceed the amount of initial investment and, in such circumstances; investors may be required to pay more money to support those losses. Thus, before undertaking any transaction with these instruments, investors should be aware of their operation, as well as the rights, liabilities and risks implied by the same and the underlying stocks. Investors should also be aware that secondary markets for the said instruments may be limited or even not exist.

TPCG Valores SAU. and/or any of its affiliates, as well as their respective directors, executives and employees, may have a position in any of the securities or instruments referred to, directly or indirectly, in the document, or in any other related thereto; they may trade for their own account or for third-party account in those securities, provide consulting or other services to the issuer of the aforementioned securities or instruments or to companies related thereto or to their shareholders, executives or employees, or may have interests or perform transactions in those securities or instruments or related investments before or after the publication of the report, to the extent permitted by the applicable law.

TPCG Valores SAU or any of its affiliates' salespeople, traders and other professionals may provide oral or written market Commentary or trading strategies to its clients that reflect opinions that are contrary to the opinions expressed herein. Furthermore, TPCG Valores SAU, or any of its affiliates' proprietary trading and investing businesses, may make investment decisions that are inconsistent with the recommendations expressed herein.

No part of the document may be (i) copied, photocopied or duplicated by any other form or means (ii) redistributed or (iii) quoted without the prior written consent of TPCG Valores SAU. No part of the report may be copied, conveyed, distributed or furnished to any person or entity in any country (or persons or entities in the same) in which its distribution is prohibited by law. Failure to comply with these restrictions may breach the laws of the relevant jurisdiction.

For U.S. persons only:

This report is a product of TPCG, which is the employer of the research analyst(s) who has prepared the informative report. The research analyst(s) preparing this report is/are resident(s) outside the United States (U.S.) and is/are not associated person(s) of any U.S. regulated broker-dealer and therefore the analyst(s) is/are not subject to supervision by a U.S. broker-dealer and is/are not required to satisfy the regulatory licensing requirements of FINRA or required to otherwise comply with U.S. rules or regulations.

This report is intended for distribution by TPCG only to U.S. Institutional Investors and Major U.S. Institutional Investors, as defined by Rule 15a-6(b)(4) of the U.S. Securities and Exchange Act, 1934 (the Exchange Act) and interpretations thereof by the U.S. Securities and Exchange Commission (SEC), in reliance on Rule 15a 6(a)(2). If the recipient of this report is not a a US Institutional Investors nor a Major U.S. Institutional Investor, as specified above, then he should not act upon this report and return it to the sender. Further, this report may not be copied, duplicated and/or transmitted to any U.S. person, which is not a U.S. Institutional Investor, nor a Major U.S. Institutional Investor.

In order to comply with the US regulations, our transactions with US Institutional Investors and Major US Institutional Investors are effected through the US-registered broker-dealer Marco Polo Securities Inc. ("Marco Polo"). Transactions in securities discussed in this report should be effected through Marco Polo or another U.S. registered broker dealer.