

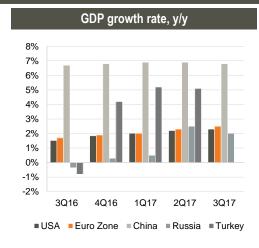
## Regional Fixed Income Market Watch

Georgia, Armenia, Azerbaijan, Belarus, Kazakhstan, Ukraine

Regional | Fixed Income Monthly Bulletin December 11, 2017

#### **Highlights**

- US GDP growth in 3Q17 was revised up to an annualized 3.3% y/y (2<sup>nd</sup> estimate) from an annualized 3.0% y/y (advance estimate). Revised figures show that GDP growth in EU19 came in at 2.6% y/y in 3Q17, after 2.4% y/y growth in 2Q17.
- Based on rapid estimates, economic growth in October 2017 came in at 17.6% y/y in Armenia, 5.7% y/y in Georgia, 1.4% y/y in Kazakhstan, and 0.5% y/y in Russia. In 10M17, GDP was up 2.0% y/y in Belarus and down 0.7% y/y in Azerbaijan.
- Annual inflation in the US was down to 2.0% in October 2017 from 2.2% in the previous month.
  Based on the Eurostat flash estimate, annual inflation in EU19 was up to 1.5% in November 2017 from 1.4% in October 2017.
- In November 2017, annual inflation increased in Turkey (13.0%), Georgia (6.9%), and Armenia (2.2%) and decreased in Kazakhstan (7.3%) and Russia (2.5%). October 2017 figures indicate a decrease in annual inflation to 14.6% in Ukraine, 12.0% in Azerbaijan and 3.9% in Belarus.
- There were no monetary policy rate changes in November 2017.



Source: Central banks, Statistics Offices, Bloomberg

|            | Key macro indicators |       |       |                 |         |         |                         |        |                           |       |                          |       |       |                                   |       |        |        |        |
|------------|----------------------|-------|-------|-----------------|---------|---------|-------------------------|--------|---------------------------|-------|--------------------------|-------|-------|-----------------------------------|-------|--------|--------|--------|
|            | - ,                  |       |       | GDP,<br>US\$ bn | - ,     |         | GDP per capita,<br>US\$ |        | Inflation, period average |       | Fiscal balance, % of GDP |       |       | Current account balance, % of GDP |       |        |        |        |
|            | 2016                 | 2017E | 2018F | 2016            | 2017E   | 2018F   | 2016                    | 2017E  | 2018F                     | 2016  | 2017E                    | 2018F | 2016  | 2017E                             | 2018F | 2016   | 2017E  | 2018F  |
| Armenia    | 0.2%                 | 3.5%  | 2.9%  | 10.6            | 11.0    | 11.5    | 3,533                   | 3,690  | 3,853                     | -1.4% | 1.9%                     | 3.5%  | -5.6% | -3.3%                             | -2.7% | -2.3%  | -3.6%  | -3.2%  |
| Azerbaijan | -3.1%                | -1.0% | 1.3%  | 37.6            | 39.2    | 42.8    | 3,956                   | 4,098  | 4,439                     | 12.4% | 12.0%                    | 8.0%  | -1.1% | -0.3%                             | 0.7%  | -3.6%  | 1.9%   | 2.5%   |
| Belarus    | -2.6%                | 0.7%  | 0.7%  | 47.4            | 52.8    | 54.0    | 4,989                   | 5,585  | 5,745                     | 11.8% | 8.0%                     | 7.5%  | -3.4% | -5.6%                             | -3.8% | -3.6%  | -5.3%  | -4.6%  |
| Georgia    | 2.7%                 | 4.3%  | 4.2%  | 14.3            | 15.2    | 16.7    | 3,872                   | 4,123  | 4,529                     | 2.1%  | 6.0%                     | 3.0%  | -1.6% | -1.2%                             | -1.9% | -12.8% | -11.9% | -10.7% |
| Kazakhstan | 1.1%                 | 3.3%  | 2.8%  | 133.7           | 156.2   | 170.3   | 7,456                   | 8,585  | 9,224                     | 14.6% | 7.3%                     | 6.5%  | -4.1% | -6.5%                             | -2.0% | -6.4%  | -5.3%  | -3.8%  |
| Ukraine    | 2.3%                 | 2.0%  | 3.2%  | 93.3            | 104.1   | 109.7   | 2,199                   | 2,459  | 2,597                     | 13.9% | 12.8%                    | 10.0% | -2.2% | -2.9%                             | -2.5% | -4.1%  | -3.3%  | -3.0%  |
| Russia     | -0.2%                | 1.8%  | 1.6%  | 1,283.2         | 1,469.3 | 1,522.9 | 8,946                   | 10,248 | 10,630                    | 7.0%  | 4.2%                     | 3.9%  | -3.7% | -2.1%                             | -1.5% | 2.0%   | 2.8%   | 3.2%   |
| Turkey     | 3.2%                 | 5.1%  | 3.5%  | 863.4           | 841.2   | 905.7   | 10,817                  | 10,434 | 11,125                    | 7.8%  | 10.9%                    | 9.3%  | -2.3% | -3.2%                             | -2.4% | -3.8%  | -4.6%  | -4.6%  |

Source: IMF

|            | Sovereign credit ratings |       |          |      |         |          |      |      |          |  |  |  |  |
|------------|--------------------------|-------|----------|------|---------|----------|------|------|----------|--|--|--|--|
|            |                          | Fitch |          |      | Moody's |          | S&P  |      |          |  |  |  |  |
|            | LC                       | FC    | Outlook  | LC   | FC      | Outlook  | LC   | FC   | Outlook  |  |  |  |  |
| Armenia    | B+                       | B+    | stable   | B1   | B1      | stable   | NA   | NA   | NA       |  |  |  |  |
| Azerbaijan | BB+                      | BB+   | negative | Ba2  | Ba2     | stable   | BB+  | BB+  | negative |  |  |  |  |
| Belarus    | B-                       | B-    | stable   | Caa1 | Caa1    | stable   | В    | В    | stable   |  |  |  |  |
| Georgia    | BB-                      | BB-   | stable   | Ba2  | Ba2     | stable   | BB-  | BB-  | stable   |  |  |  |  |
| Kazakhstan | BBB                      | BBB   | stable   | Baa3 | Baa3    | stable   | BBB- | BBB- | stable   |  |  |  |  |
| Ukraine    | B-                       | B-    | stable   | Caa2 | Caa2    | positive | B-   | B-   | stable   |  |  |  |  |
| Russia     | BBB-                     | BBB-  | stable   | Ba1  | Ba1     | stable   | BBB- | BB+  | positive |  |  |  |  |
| Turkey     | BBB-                     | BB+   | stable   | Ba1  | Ba1     | negative | BB+  | BB   | negative |  |  |  |  |

Source: Fitch Ratings, S&P Global, Moody's

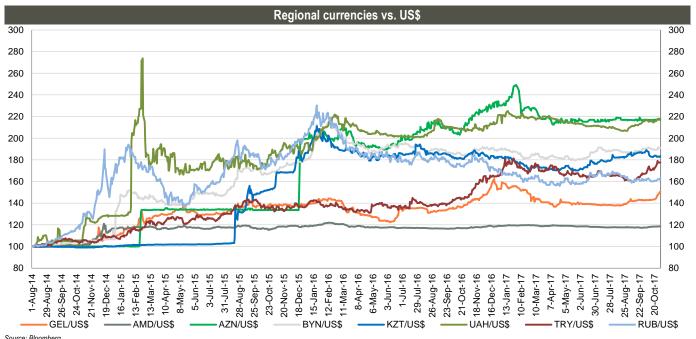
| Мо         | netary stan    | се     |
|------------|----------------|--------|
|            | Inflation, y/y | MPR    |
|            | Nov-17         | Nov-17 |
| Armenia    | 2.2%           | 6.0%   |
| Azerbaijan | 12.0%*         | 15.0%  |
| Belarus    | 3.9%*          | 11.0%  |
| Georgia    | 6.9%           | 7.0%   |
| Kazakhstan | 7.3%           | 10.25% |
| Ukraine    | 14.6%*         | 13.5%  |
| Russia     | 2.5%           | 8.25%  |
| Turkey     | 13.0%          | 8.0%   |

\*October 2017

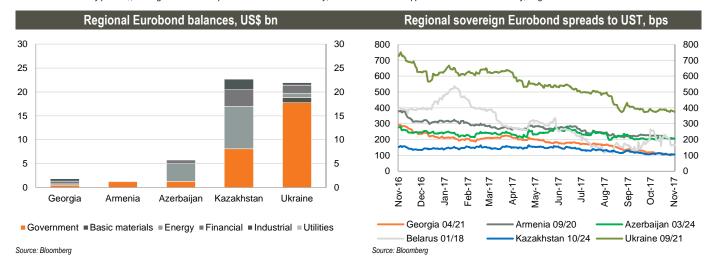
Source: Central banks, Statistics Offices



## **Eurobonds**

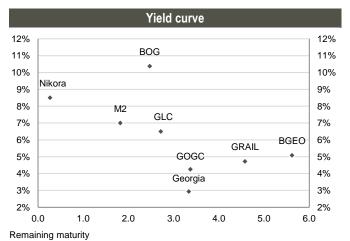


Note: National currency per US\$; Index growth means depreciation of the local currency, index decline means appreciation of the local currency; Aug-2014=100



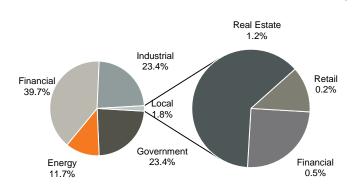


# **Snapshot: Georgia**

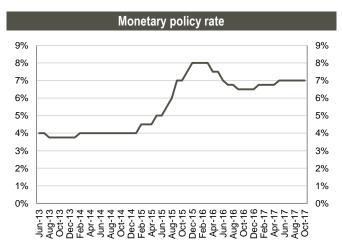


Source: Bloomberg, Galt & Taggart

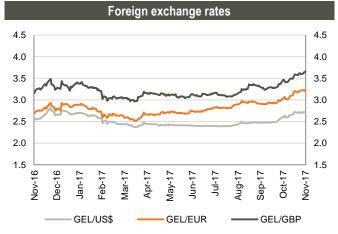
#### Bond universe by sector (US\$ 1.8bn total)



Source: Bloomberg



Source: National Bank of Georgia



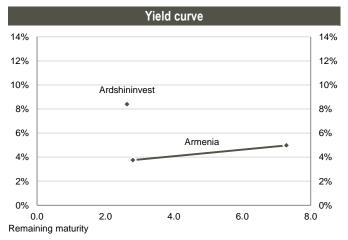
Source: Bloomberg

|                         |          |             |        | Bond     | performa | nce                                  |                       |              |            |            |
|-------------------------|----------|-------------|--------|----------|----------|--------------------------------------|-----------------------|--------------|------------|------------|
| Issuer                  | Currency | Sector      | Ticker | Maturity | Coupon   | Issue Ratings<br>(Fitch/S&P/Moody's) | Size<br>(Currency mn) | Bid<br>price | YTM<br>Mid | Exchange   |
| Republic Of Georgia     | US\$     | Government  | GEORG  | Apr-21   | 6.88%    | BB-/BB-/Ba2                          | 500                   | 112.29       | 2.93       | London     |
| Georgian Oil & Gas Corp | US\$     | Energy      | GEOROG | Apr-21   | 6.75%    | BB-/B+/-                             | 250                   | 107.51       | 4.26       | London     |
| BGEO Group              | US\$     | Financial   | BGEOLN | Jul-23   | 6.00%    | BB-/-/B1                             | 350                   | 104.04       | 5.08       | Dublin     |
| Bank Of Georgia         | GEL      | Financial   | GEBGG  | Jun-20   | 11.00%   | BB-/-/Ba2                            | 500                   | 100.52       | 10.37      | Dublin     |
| Georgian Railway        | US\$     | Industrial  | GRAIL  | Jul-22   | 7.75%    | B+/B+/-                              | 500                   | 112.30       | 4.72       | London     |
| Georgian Leasing Co     | US\$     | Financial   | GEBGG  | Aug-20   | 7.00%    | -/-/-                                | 10                    | 99.98        | 6.50       | Georgia    |
| M2 Real Estate          | US\$     | Real Estate | GEBGG  | Oct-19   | 7.50%    | -/-/-                                | 25                    | 101.69       | 7.00       | Georgia    |
| Nikora Trade            | US\$     | Retail      | NIKORA | Mar-18   | 11.00%   | -/-/-                                | 5                     | 100.80       | 8.50       | Georgia    |
| GWP                     | GEL      | Utilities   | GEWRPW | Dec-21   | 10.50%** | BB-/-/-                              | 30.0                  | N/A          | N/A        | Not Listed |

\*Company ratings \*\*Floating rate with 3.5% over the NBG's refinancing rate Source: Bloomberg, Galt & Taggart

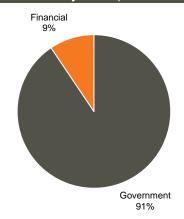


# **Snapshot: Armenia**

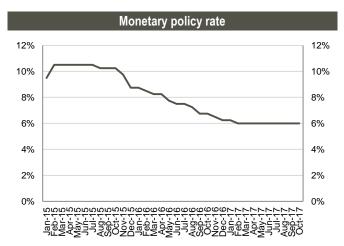


Source: Bloomberg

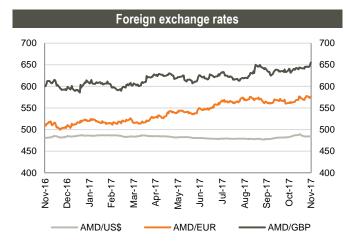
#### Bond universe by sector (US\$ 1.3bn total)



Source: Bloomberg



Source: Central Bank of Armenia

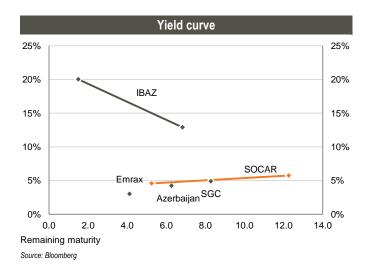


Source: Bloomberg

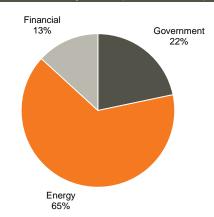
|                     | Bond performance |            |        |          |        |                                      |                       |              |            |          |  |  |  |
|---------------------|------------------|------------|--------|----------|--------|--------------------------------------|-----------------------|--------------|------------|----------|--|--|--|
| Issuer              | Currency         | Sector     | Ticker | Maturity | Coupon | Issue Ratings<br>(Fitch/S&P/Moody's) | Size<br>(Currency mn) | Bid<br>price | YTM<br>Mid | Exchange |  |  |  |
| Republic Of Armenia | US\$             | Government | ARMEN  | Sep-20   | 6.00%  | B+/-/B1                              | 700                   | 105.76       | 3.75       | Dublin   |  |  |  |
| Republic Of Armenia | US\$             | Government | ARMEN  | Mar-25   | 7.15%  | B+/-/B1                              | 500                   | 113.05       | 4.97       | Dublin   |  |  |  |
| Ameriabank          | US\$             | Financial  | AMERIA | Jul-18   | 6.75%  | WD/-/-                               | 15                    | N/A          | N/A        | Armenia  |  |  |  |
| Ardshininvestbk     | US\$             | Financial  | ARBANK | Jul-20   | 12.00% | B+/-/B1                              | 100                   | 108.02       | 8.39       | Dublin   |  |  |  |
| Armswissbank        | US\$             | Financial  | ARMSWI | Apr-19   | 8.00%  | -/-/-                                | 5                     | N/A          | N/A        | Armenia  |  |  |  |
| Armswissbank        | US\$             | Financial  | ARMSWI | Apr-20   | 8.50%  | -/-/-                                | 5                     | N/A          | N/A        | Armenia  |  |  |  |



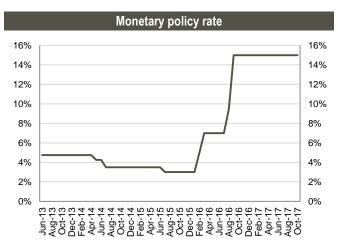
# **Snapshot: Azerbaijan**



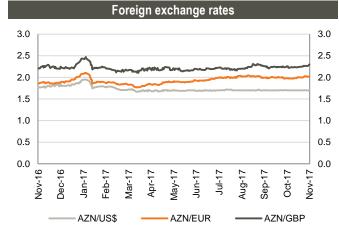




Source: Bloomberg



Source: Central Bank of Azerbaijan

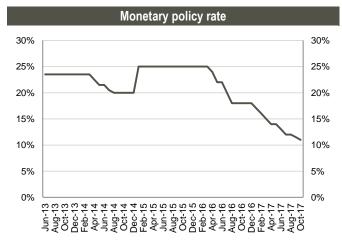


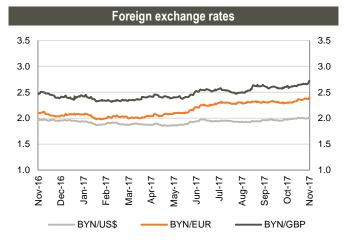
Source: Bloomberg

|                        |          |            |        | Bond     | performa | nce                                  |                       |              |            |           |
|------------------------|----------|------------|--------|----------|----------|--------------------------------------|-----------------------|--------------|------------|-----------|
| Issuer                 | Currency | Sector     | Ticker | Maturity | Coupon   | Issue Ratings<br>(Fitch/S&P/Moody's) | Size<br>(Currency mn) | Bid<br>price | YTM<br>Mid | Exchange  |
| Republic Of Azerbaijan | US\$     | Government | AZERBJ | Mar-24   | 4.75%    | BB+/-/Ba2                            | 1,250                 | 102.73       | 4.23       | Stuttgart |
| Southern Gas Corridor  | US\$     | Energy     | SGCAZE | Mar-26   | 6.88%    | BB+/-/Ba2                            | 2,000                 | 113.22       | 4.90       | Dublin    |
| SOCAR                  | US\$     | Energy     | SOIAZ  | Mar-23   | 4.75%    | BB+/BB-/Ba2                          | 1,000                 | 100.71       | 4.58       | London    |
| SOCAR                  | US\$     | Energy     | SOIAZ  | Mar-30   | 6.95%    | BB+/BB-/NR                           | 750                   | 110.31       | 5.75       | London    |
| Emraxbank              | US\$     | Financial  | EMRXAZ | Jan-22   | 9.00%    | -/-/-                                | 10                    | 122.77       | 3.02       | Baku      |
| IBAZ                   | US\$     | Financial  | IBAZAZ | Jun-19   | 5.63%    | WD/-/WR                              | 500                   | 81.75        | 20.02      | Stuttgart |
| IBAZ                   | US\$     | Financial  | IBAZAZ | Oct-24   | 8.25%    | -/-/WR                               | 250                   | 78.25        | 12.90      | Dublin    |



# **Snapshot: Belarus**



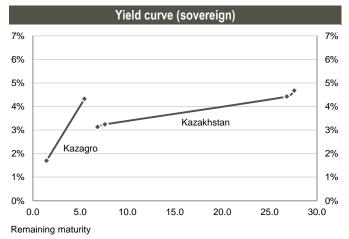


Source: National Bank of Belarus Source: Bloomberg

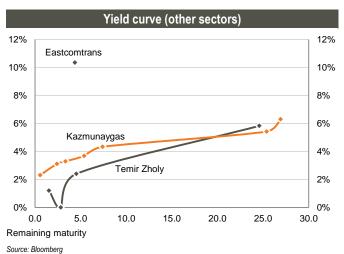
|                     | Bond performance |            |        |          |        |                                      |                       |              |            |           |  |  |  |
|---------------------|------------------|------------|--------|----------|--------|--------------------------------------|-----------------------|--------------|------------|-----------|--|--|--|
| Issuer              | Currency         | Sector     | Ticker | Maturity | Coupon | Issue Ratings<br>(Fitch/S&P/Moody's) | Size<br>(Currency mn) | Bid<br>price | YTM<br>Mid | Exchange  |  |  |  |
| Republic Of Belarus | US\$             | Government | BELRUS | Jan-18   | 8.95%  | -/B/Caa1                             | 800                   | 100.50       | 2.37       | Stuttgart |  |  |  |



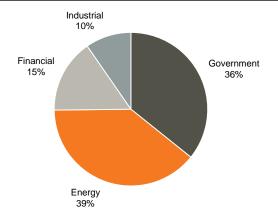
## **Snapshot: Kazakhstan**



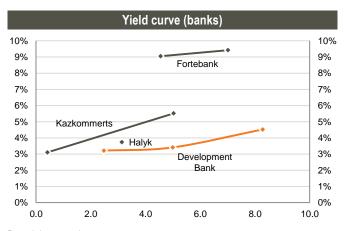
Source: Bloomberg



Bond universe by sector (US\$ 22.7bn total)

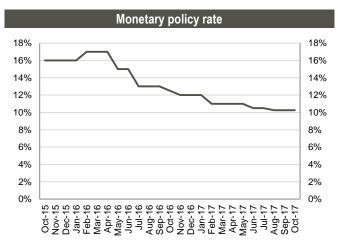


Source: Bloomberg

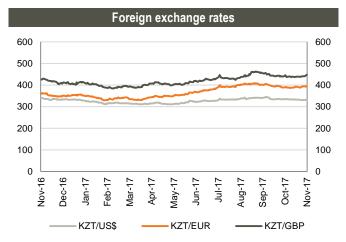


Remaining maturity

Source: Bloomberg



Source: National Bank of Kazakhstan

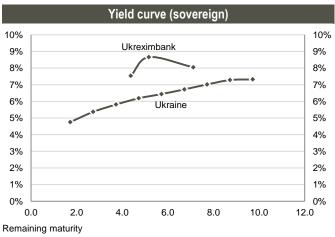




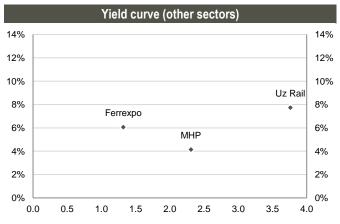
|                          | Bond performance |            |        |          |        |                                      |                       |              |            |            |  |  |  |  |
|--------------------------|------------------|------------|--------|----------|--------|--------------------------------------|-----------------------|--------------|------------|------------|--|--|--|--|
| Issuer                   | Currency         | Sector     | Ticker | Maturity | Coupon | Issue Ratings<br>(Fitch/S&P/Moody's) | Size<br>(Currency mn) | Bid<br>price | YTM<br>Mid | Exchange   |  |  |  |  |
| Republic Of Kazakhstan   | US\$             | Government | KAZAKS | Oct-24   | 3.88%  | BBB/BBB-/Baa3                        | 1,500                 | 104.33       | 3.13       | London     |  |  |  |  |
| Republic Of Kazakhstan   | US\$             | Government | KAZAKS | Jul-25   | 5.13%  | BBB/BBB-/Baa3                        | 2,500                 | 112.44       | 3.24       | London     |  |  |  |  |
| Republic Of Kazakhstan   | US\$             | Government | KAZAKS | Oct-44   | 4.88%  | BBB/BBB-/Baa3                        | 1,000                 | 106.95       | 4.42       | London     |  |  |  |  |
| Republic Of Kazakhstan   | US\$             | Government | KAZAKS | Jul-45   | 6.50%  | BBB/BBB-/Baa3                        | 1,500                 | 127.97       | 4.68       | London     |  |  |  |  |
| Kazagro Natl Mgmt Hldg   | EUR              | Government | KAZNMH | May-19   | 3.26%  | BBB-/BB-/-                           | 600                   | 102.06       | 1.70       | Dublin     |  |  |  |  |
| Kazagro Natl Mgmt Hldg   | US\$             | Government | KAZNMH | May-23   | 4.63%  | BBB-/BB-/-                           | 1,000                 | 101.32       | 4.32       | Dublin     |  |  |  |  |
| Kazmunaygas National Co  | US\$             | Energy     | KZOKZ  | Jul-18   | 9.13%  | BBB-/BB-/Baa3                        | 1,600                 | 103.69       | 2.32       | London     |  |  |  |  |
| Kazmunaygas National Co  | US\$             | Energy     | KZOKZ  | May-20   | 7.00%  | BBB-/BB-/Baa3                        | 1,500                 | 108.78       | 3.12       | Frankfurt  |  |  |  |  |
| Kazmunaygas National Co  | US\$             | Energy     | KZOKZ  | Apr-21   | 6.38%  | BBB-/BB-/Baa3                        | 1,250                 | 109.48       | 3.29       | London     |  |  |  |  |
| Kazmunaygas National Co  | US\$             | Energy     | KZOKZ  | Apr-23   | 4.40%  | BBB-/BB-/Baa3                        | 1,000                 | 103.38       | 3.69       | Kazakhstan |  |  |  |  |
| Kazmunaygas National Co  | US\$             | Energy     | KZOKZ  | May-25   | 4.88%  | BBB-/BB-/Baa3                        | 500                   | 103.24       | 4.33       | London     |  |  |  |  |
| Kazmunaygas National Co  | US\$             | Energy     | KZOKZ  | Apr-43   | 5.75%  | BBB-/BB-/Baa3                        | 2,000                 | 104.38       | 5.43       | Kazakhstan |  |  |  |  |
| Kazmunaygas National Co  | US\$             | Energy     | KZOKZ  | Nov-44   | 6.00%  | BBB-/BB-/Baa3                        | 1,000                 | 95.00        | 6.31       | London     |  |  |  |  |
| Development Bank Of Kaz. | US\$             | Financial  | DBKAZ  | Jun-20   | 6.50%  | BBB-/BB+/Baa3                        | 100                   | 107.50       | 3.21       | Kazakhstan |  |  |  |  |
| Development Bank Of Kaz. | US\$             | Financial  | DBKAZ  | Dec-22   | 4.13%  | BBB-/BB+/Baa3                        | 1,425                 | 103.13       | 3.41       | London     |  |  |  |  |
| Development Bank Of Kaz. | US\$             | Financial  | DBKAZ  | Mar-26   | 6.00%  | BBB-/BB+/Baa3                        | 150                   | 110.01       | 4.52       | Kazakhstan |  |  |  |  |
| Fortebank                | US\$             | Financial  | ALLIBK | Jun-22   | 14.00% | NR/B/-                               | 61                    | 117.50       | 9.05       | Kazakhstan |  |  |  |  |
| Fortebank                | US\$             | Financial  | ALLIBK | Dec-24   | 11.75% | -/B/-                                | 237                   | 111.50       | 9.42       | Kazakhstan |  |  |  |  |
| Halyk Savings Bank-Kaz.  | US\$             | Financial  | HSBKKZ | Jan-21   | 7.25%  | BB/BB/Ba3                            | 500                   | 110.16       | 3.73       | London     |  |  |  |  |
| Kazkommertsbank          | US\$             | Financial  | KKB    | May-18   | 8.50%  | BB-/B+/B1                            | 300                   | 102.12       | 3.10       | London     |  |  |  |  |
| Kazkommertsbank          | US\$             | Financial  | KKB    | Dec-22   | 5.50%  | BB-/B+/-                             | 750                   | 99.88        | 5.51       | Kazakhstan |  |  |  |  |
| Eastcomtrans             | US\$             | Industrial | EASTCM | Apr-22   | 8.00%  | WD/-/B3                              | 100                   | 90.78        | 10.35      | London     |  |  |  |  |
| Kazakhstan Temir Zholy   | CHF              | Industrial | KTZKZ  | Jun-19   | 2.59%  | BBB-/BB-/Baa3                        | 100                   | 101.92       | 1.21       | Zurich     |  |  |  |  |
| Kazakhstan Temir Zholy   | US\$             | Industrial | KTZKZ  | Oct-20   | 6.38%  | BBB-/BB-/WR                          | 700                   | 109.58       | N/A        | London     |  |  |  |  |
| Kazakhstan Temir Zholy   | CHF              | Industrial | KTZKZ  | Jun-22   | 3.64%  | BBB-/BB-/Baa3                        | 185                   | 105.03       | 2.41       | Zurich     |  |  |  |  |
| Kazakhstan Temir Zholy   | US\$             | Industrial | KTZKZ  | Jul-42   | 6.95%  | BBB-/BB-/Baa3                        | 1,100                 | 114.29       | 5.83       | London     |  |  |  |  |



# **Snapshot: Ukraine**

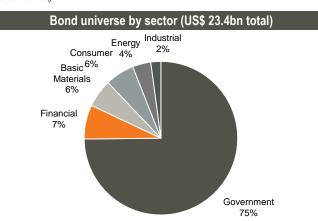


Source: Bloomberg

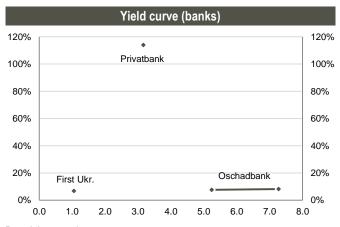


Remaining maturity

Source: Bloomberg

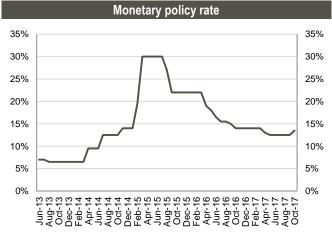


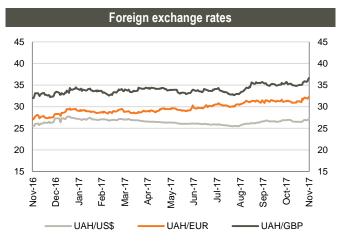
Source: Bloomberg



Remaining maturity

Source: Bloomberg







|                        |          |                 |        | Bond     | performa | nce                                  |                       |              |            |              |
|------------------------|----------|-----------------|--------|----------|----------|--------------------------------------|-----------------------|--------------|------------|--------------|
| Issuer                 | Currency | Sector          | Ticker | Maturity | Coupon   | Issue Ratings<br>(Fitch/S&P/Moody's) | Size<br>(Currency mn) | Bid<br>price | YTM<br>Mid | Exchange     |
| Ukraine Government     | US\$     | Government      | UKRAIN | Sep-19   | 7.75%    | B-/B-/Caa2                           | 1,822                 | 104.74       | 4.76       | Dublin       |
| Ukraine Government     | US\$     | Government      | UKRAIN | Sep-20   | 7.75%    | B-/B-/Caa2                           | 1,780                 | 105.76       | 5.37       | Dublin       |
| Ukraine Government     | US\$     | Government      | UKRAIN | Sep-21   | 7.75%    | B-/B-/Caa2                           | 1,409                 | 106.29       | 5.81       | Dublin       |
| Ukraine Government     | US\$     | Government      | UKRAIN | Sep-22   | 7.75%    | B-/B-/Caa2                           | 1,384                 | 106.11       | 6.19       | Dublin       |
| Ukraine Government     | US\$     | Government      | UKRAIN | Sep-23   | 7.75%    | B-/B-/Caa2                           | 1,355                 | 106.00       | 6.44       | Dublin       |
| Ukraine Government     | US\$     | Government      | UKRAIN | Sep-24   | 7.75%    | B-/B-/Caa2                           | 1,339                 | 105.21       | 6.72       | Dublin       |
| Ukraine Government     | US\$     | Government      | UKRAIN | Sep-25   | 7.75%    | B-/B-/Caa2                           | 1,329                 | 104.09       | 7.02       | Dublin       |
| Ukraine Government     | US\$     | Government      | UKRAIN | Sep-26   | 7.75%    | B-/B-/Caa2                           | 1,318                 | 102.84       | 7.28       | Dublin       |
| Ukraine Government     | US\$     | Government      | UKRAIN | Sep-27   | 7.75%    | B-/B-/Caa2                           | 1,307                 | 102.68       | 7.32       | Dublin       |
| Ukraine Government     | US\$     | Government      | UKRAIN | May-40   | 0.00%    | -/B-/-                               | 3,214                 | 54.38        | N/A        | Dublin       |
| Ukreximbank            | US\$     | Government      | EXIMUK | Apr-22   | 9.63%    | B-/-/Caa2                            | 750                   | 107.56       | 7.54       | Dublin       |
| Ukreximbank            | US\$     | Government      | EXIMUK | Feb-23   | 8.16%    | CC/-/Caa3                            | 125                   | 100.02       | 8.66       | Dublin       |
| Ukreximbank            | US\$     | Government      | EXIMUK | Jan-25   | 9.75%    | B-/-/Caa2                            | 600                   | 109.00       | 8.05       | Dublin       |
| Ferrexpo Finance       | US\$     | Basic Materials | FXPOLN | Apr-19   | 10.38%   | B-/B-/Caa1                           | 186                   | 105.25       | 6.05       | Dublin       |
| Ferrexpo Finance       | US\$     | Basic Materials | FXPOLN | Apr-19   | 10.38%   | B-/B-/Caa1                           | 161                   | 105.31       | 6.04       | Dublin       |
| Metinvest              | US\$     | Basic Materials | METINV | Feb-18   | 8.75%    | WD/-/WR                              | 750                   | N/A          | N/A        | Dublin       |
| Avangardco Investments | US\$     | Consumer        | AVINPU | Oct-18   | 10.00%   | WD/-/-                               | 200                   | 22.50        | 285.68     | London       |
| MHP                    | US\$     | Consumer        | MHPSA  | Apr-20   | 8.25%    | B/B/-                                | 750                   | 108.81       | 4.13       | Dublin       |
| Ukrlandfarming         | US\$     | Consumer        | UKRLAN | Mar-18   | 10.88%   | WD/NR/-                              | 500                   | 21.25        | 1,199.58   | Dublin       |
| Dtek Finance           | US\$     | Energy          | DTEKUA | Mar-18   | 10.38%   | WD/-/-                               | 160                   | N/A          | N/A        | Dublin       |
| Dtek Finance           | US\$     | Energy          | DTEKUA | Apr-18   | 7.88%    | WD/-/WR                              | 750                   | N/A          | N/A        | Trace        |
| First Ukr.             | US\$     | Financial       | PUMBUZ | Dec-18   | 11.00%   | NR/-/WR                              | 275                   | 104.00       | 6.70       | Zurich       |
| Privatbank             | US\$     | Financial       | PRBANK | Feb-21   | 11.00%   | -/-/-                                | 220                   | 13.00        | 114.02     | Channel Isl. |
| Oschadbank             | US\$     | Financial       | OSCHAD | Mar-23   | 9.38%    | B-/-/Caa2                            | 700                   | 107.20       | 7.62       | Dublin       |
| Oschadbank             | US\$     | Financial       | OSCHAD | Mar-25   | 9.63%    | B-/-/Caa2                            | 500                   | 107.64       | 8.17       | Dublin       |
| Uz Rail Via Shortline  | US\$     | Industrial      | RAILUA | Sep-21   | 9.88%    | CCC/CCC+/-                           | 500                   | 106.65       | 7.73       | Dublin       |



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**Galt & Taggart** 

Address: 79 D. Agmashenebeli Avenue, Tbilisi 0102, Georgia

Tel: + (995) 32 2401 111

Email: gt@gt.ge