CEE Market Insights | Fixed Income | Central and Eastern Europe 26 August 2019

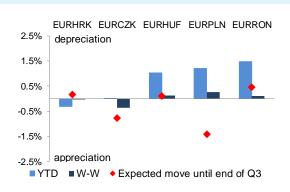


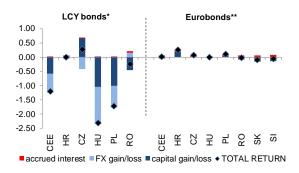
CEE Market Insights

Market outlook

While markets were waiting for Fed Chair Powell's speech on Friday, Donald Trump announced new tariffs which had a negative sentiment impact. The mood was already rather fragile before Friday, but CEE currencies were — mostly — more stable. An exception was the Hungarian forint, with the increase in excess liquidity the likely cause of weakening. As the amount of squeezed out liquidity has now reached desired MNB levels, the chance of further, strong HUF depreciation may have faded. In Croatia, where the intervention of the CNB was provoked by continuous inflows, the kuna could remain even more stable than in the past, also in preparation for increasingly likely ERM II entry.

Yield spreads jumped last week as markets turned skeptical about how low rates could go. What really only happened is that spreads above German Bunds in the Czech Republic, Poland and Hungary roughly returned to ranges more typical of the last few years. A very important outlier from this development is the Croatian market, where HRK yields continued to plummet, actually quite substantially last week. Current yield levels are very close our forecasts. While Fed Chair Powell tried to cool expectations for easing on Friday, US President Trump's threats of additional tariffs sent global yields again much lower.





Looking ahead this week:

| Monday | Tuesday | Wednesday | Thursday | Friday |
|----------------------------|--|---|----------|--|
| PL: Unemployment RS: Wages | HU: Policy rate SK: Current Account | HU: Unemployment SK: PPI HR: 2Q GDP | | CZ HR HU PL SV: GDP structure PL SI: CPI RS: Retail, Industry |

The Hungarian central bank should change neither rates nor rhetoric and should maintain its dovish stance at Tuesday's meeting. As far as the real economy is concerned, we will see the 2Q GDP structure for many CEE countries on Friday. As the external environment has been weakening lately, net export contributions were likely neutral or negative, making domestic demand the pillar of growth in the region. This should not change in the current quarter, as in Poland, retail sales already recovered in July and solid growth dynamics are expected in Croatia, Slovenia and Serbia. In Serbia, however, the picture gets a bit gloomier, as falling production output is likely to continue. Inflation data in Poland and Slovenia are other releases scheduled for Friday. In the case of Poland, CPI should not increase further in August and stable development is also expected in Slovenia. Last but not least, the regular S&P update on Romania should not be missed after market close on Friday. The rating and outlook should remain unchanged this time; however, the lack of credible consolidation measures may lead to the change in the outlook to negative in 2020.

In case you missed it last week...

PL: Industrial output and retail sales growth recovered in July. The rebound was below expectations, however

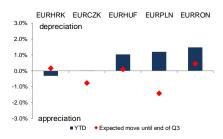
PL: Employment grew 2.7% y/y in July, while nominal wage growth increased by 7.4% y/y

SK: Unemployment rate holds steadily at 5.0% in July

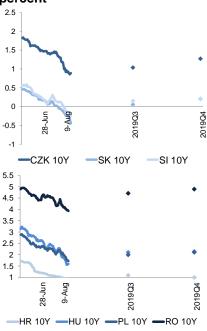
HR: Unemployment rate remained unchanged at 7.2% in July, while wage growth accelerated to 2.8% y/y in June

CEE Market Insights | Fixed Income | Central and Eastern Europe 26 August 2019

YTD change on FX market



10Y government bond yields, percent



Source: Erste Group Research, Bloomberg.

On global markets:

This week, the most important macro releases for the EURUSD will be the release of the flash estimate of Eurozone inflation for August and July PCE inflation data for the US. While the former hardly bears any risks of a surprise, the impact of the latter on markets is more uncertain. Markets will be looking for indications of whether the signs of rising US inflation during the last few months are confirmed. On the political front, it could become clear this week whether a new government can be formed in Italy or early elections are unavoidable.

CEE currencies:

Currencies fared the negative sentiment that appeared on global markets towards the end of last week relatively well, apart from the Hungarian forint, which weakened to its lowest this year as the EURHUF rate breached 328. Technically speaking, this could open room for further weakening of the forint. As for the fundamentals, however, the forint seems to have started to correlate very strongly with the excess liquidity on the interbank market; while this has granted the HUF a helping hand until early to mid-August, the strong increase in liquidity since then has undermined the HUF's strength. As the amount of squeezed out liquidity now reached desired MNB levels, the chance of further, strong HUF depreciation may have faded. In Croatia, where the intervention of the CNB was provoked by continuous inflows, the kuna could remain even more stable than in the past, also in preparation for increasingly likely ERM II entry.

CEE rates and yields:

Last week brought a huge increase in yield spreads, amid global markets turning less aggressive in expecting further, global rate declines. However, what really only happened is that spreads above German Bunds in the Czech Republic, Poland and Hungary roughly returned to ranges more typical of the last few years. A very important outlier from this development is the Croatian market, where HRK yields continued to plummet, actually quite substantially last week. Current yield levels are very close to our forecasts. As for Serbia, after the two rate cuts delivered by the NBS, the amount of interventions fell substantially on the dinar market. The lower pressure makes us think that the central bank will remain in wait-and-see mode and not cut borrowing costs further this year.

CEE Market Insights | Fixed Income | Central and Eastern Europe 26 August 2019

Calendar

| Time | Country | / Indicator | Period | Survey | Erste Est. | Prev. | Pre Comment |
|--------|---------|-----------------------------|--------|--------|------------|--------|---|
| 26-Aug | | | | | | | |
| 10:00 | PL | Unemployment Rate | Jul | 5.2% | 5.4% | 5.3% | Unemployment to remain at record-low level. |
| 12:00 | RS | Wages (y/y) | Jun | | | 7.4% | |
| 27-Aug | | | | | | | |
| 14:00 | HU | Policy rate | Aug | 0.9% | | 0.90% | Based on inflation developments and expected rate cuts on major markets, MNB likely to maintain dovish stance. |
| 14:00 | HU | Overnight Deposit Rate | Aug | | | -0.05% | |
| 14:30 | SK | Current Account (monthly) | Jun | | | -127 | |
| 28-Aug | | | | | | | |
| 9:00 | SK | PPI (y/y) | Jul | | 2.4% | 2.8% | Milder increase in producer prices expected. |
| 9:00 | HU | Unemployment Rate | Jul | | | 3.3% | Unemployment rate might have remained at historically low level. |
| 11:00 | HR | GDP (y/y) | 2Q P | | 3.2% | 3.95% | Domestic demand to remain backed by solid private consumption and revived investments momentum. Net exports remaining in red as exports anticipated to lose momentum. |
| 30-Aug | | | | | | | |
| 8:00 | RO | Unemployment Rate | Jul | | | 4.0% | |
| 9:00 | cz | GDP (y/y) | 2Q P | 2.7% | 2.7% | 2.7% | GDP growth driven mainly by households and government consumption. Despite slowdown in Germany, dynamics of exports remained relatively favorable; however, contribution of net exports should be close to zero |
| 9:00 | HU | GDP (y/y) | 2Q F | | 4.9% | 4.9% | Details of GDP figures might show that main contributor to growth was internal demand, as consumer consumption and investments could have remained intact. |
| 9:00 | HU | Wages (y/y) | Jun | | | 11.2% | |
| 10:00 | PL | CPI (y/y) | Aug P | | 2.8% | 2.9% | In annual terms, inflation should ease in August, despite expected increase in monthly terms. |
| 10:00 | PL | GDP (y/y) | 2Q F | | 0.0% | 4.4% | Domestic demand to remain pillar of growth. Net exports also to show positive contribution. |
| 10:30 | SI | CPI (y/y) | Aug | | 2.0% | 2% | We forecast steady inflation pattern, with yearly figure again landing around 2% mark. |
| 10:30 | SI | Retail Sales (y/y) | Aug | | 6.0% | 3.7% | |
| 10:30 | SI | GDP (y/y) | 2Q | | 3.2% | 3.2% | Domestic demand remains in good shape, while export momentum still remains resilient to external headwinds. |
| 11:00 | HR | Retail Sales (y/y) | Jul | | 4.5% | 6.1% | We expect continuation of positive retail numbers due to ongoing tourism season and steady wage growth. |
| 12:00 | RS | Industrial Production (y/y) | Jul | | -3.5% | -6.1% | Due to notable decline in FCA output, weaker food production amid Kosovo tariffs and falling industrial confidence, we see industrial production remaining in red. |
| 12:00 | RS | Retail Sales (y/y) | Jul | | 11.3% | 10.1% | We expect strong wage growth coupled with strong credit expansion to continue to result in high retail trade figures. |
| 12:00 | RS | Trade Balance | Jul | | | -394.3 | |

Sources: Bloomberg, Reuters

Capital market forecasts

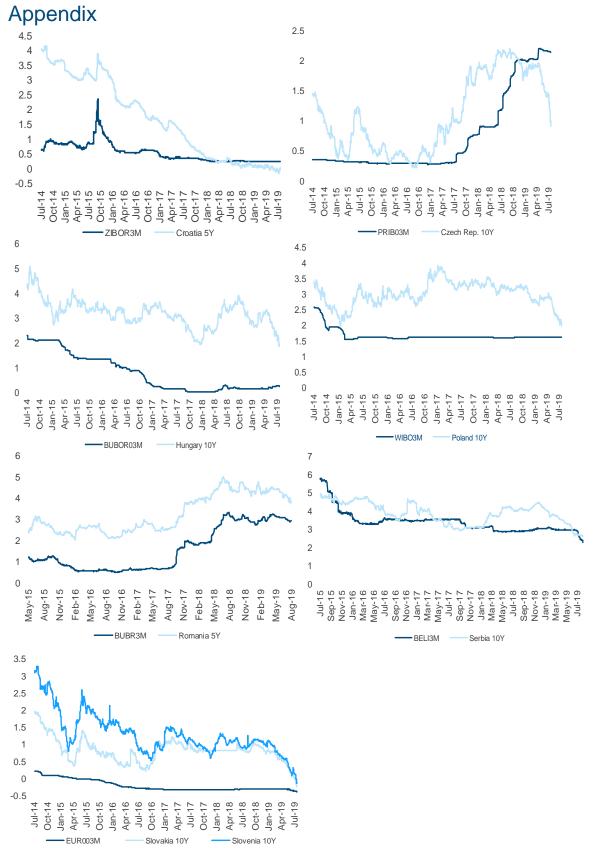
| Government bon | d yields | | | | | | | | | | |
|----------------|----------|--------|--------|--------|--------|----------|---------|--------|--------|--------|--------|
| | current | 2019Q3 | 2019Q4 | 2020Q1 | 2020Q2 | | | | | | |
| Croatia 10Y | 0.92 | 1.10 | 1.00 | 1.00 | 1.00 | | | | | | |
| spread (bps) | 160 | 170 | 140 | 130 | 130 | FX | | | | | |
| Czech Rep. 10Y | 0.88 | 1.04 | 1.27 | 1.41 | 1.51 | | current | 2019Q3 | 2019Q4 | 2020Q1 | 2020Q2 |
| spread (bps) | 157 | 164 | 167 | 171 | 181 | EURHRK | 7.39 | 7.40 | 7.42 | 7.42 | 7.38 |
| Hungary 10Y | 1.63 | 1.80 | 1.85 | 2.00 | 2.10 | | | 7.39 | 7.39 | 7.39 | 7.39 |
| spread (bps) | 231 | 240 | 225 | 230 | 240 | EURCZK | 25.73 | 25.55 | 25.30 | 25.14 | 24.88 |
| Poland 10Y | 1.72 | 2.00 | 2.10 | 2.15 | 2.20 | forwards | | 25.80 | 25.92 | 26.04 | 26.16 |
| spread (bps) | 241 | 260 | 250 | 245 | 250 | EURHUF | 324.6 | 325.0 | 325.0 | 325.0 | 325.0 |
| Romania10Y | 3.92 | 4.70 | 4.90 | 5.10 | 5.20 | | | 324.8 | 325.3 | 325.7 | 326.4 |
| spread (bps) | 461 | 530 | 530 | 540 | 550 | EURPLN | 4.34 | 4.28 | 4.30 | 4.31 | 4.30 |
| Slovakia 10Y | -0.46 | -0.30 | -0.15 | 0.00 | 0.05 | | | 4.35 | 4.37 | 4.39 | 4.42 |
| spread (bps) | 23 | 30 | 25 | 30 | 35 | EURRON | 4.73 | 4.75 | 4.77 | 4.79 | 4.82 |
| Slovenia 10Y | -0.24 | 0.15 | 0.20 | 0.20 | 0.20 | | | 4.75 | 4.78 | 4.82 | 4.86 |
| spread (bps) | 45 | 75 | 60 | 50 | 50 | EURRSD | 117.8 | 117.7 | 118.0 | 118.0 | 117.8 |
| Serbia 5Y | 2.71 | 2.80 | 3.00 | 2.90 | 2.70 | forwards | | - | - | - | |
| DE10Y | -0.69 | -0.60 | -0.40 | -0.30 | -0.30 | EURUSD | 1.11 | 1.10 | 1.10 | 1.12 | 1.15 |

| 3M Money Marke | t Rate | | | | Key Interest Rate | | | | | | | |
|----------------|---------|--------|--------|--------|-------------------|----------------|---------|--------|--------|--------|--------|--|
| | current | 2019Q3 | 2019Q4 | 2020Q1 | 2020Q2 | | current | 2019Q3 | 2019Q4 | 2020Q1 | 2020Q2 | |
| Croatia | 0.43 | 0.50 | 0.50 | 0.50 | 0.50 | Croatia | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | |
| Czech Republic | 2.14 | 2.16 | 2.16 | 2.22 | 2.36 | Czech Republic | 2.00 | 2.00 | 2.00 | 2.00 | 2.25 | |
| Hungary | 0.26 | 0.25 | 0.25 | 0.35 | 0.45 | Hungary | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | |
| Poland | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | Poland | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | |
| Romania | 3.09 | 3.40 | 3.40 | 3.30 | 3.30 | Romania | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | |
| Serbia | 2.05 | 2.45 | 2.48 | 2.47 | 2.48 | Serbia | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | |
| Eurozone | -0.42 | -0.40 | -0.50 | -0.50 | -0.50 | Eurozone | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |

Macro forecasts

| Real GDP growth (%) | 2017 | 2018 | 2019f | 2020f | Average inflation (%) | 2017 | 2018 | 2019f | 2020f | Unemployment (%) | 2017 | 2018 | 2019f | 2020f |
|---|--|--|--|--|---|--|---|--|--|---|---|---|--|---|
| Croatia | 2.9 | 2.6 | 3.2 | 2.5 | Croatia | 1.1 | 1.5 | 1.0 | 1.3 | Croatia | 11.3 | 8.4 | 7.4 | 6.4 |
| Czech Republic | 4.5 | 2.9 | 2.6 | 2.8 | Czech Republic | 2.5 | 2.1 | 2.6 | 2.2 | Czech Republic | 2.9 | 2.3 | 3.0 | 3.3 |
| Hungary | 4.1 | 4.9 | 4.5 | 3.3 | Hungary | 2.4 | 2.8 | 3.3 | 3.3 | Hungary | 4.2 | 3.7 | 3.5 | 3.5 |
| Poland | 4.8 | 5.1 | 4.3 | 3.6 | Poland | 2.0 | 1.6 | 2.4 | 2.7 | Poland | 7.3 | 6.1 | 6.0 | 6.4 |
| Romania | 7.0 | 4.1 | 4.5 | 3.8 | Romania | 1.3 | 4.6 | 4.0 | 3.3 | Romania | 4.9 | 4.2 | 3.8 | 4.0 |
| Serbia | 2.0 | 4.3 | 3.3 | 3.5 | Serbia | 3.2 | 2.0 | 2.1 | 1.8 | Serbia | 13.5 | 12.7 | 10.6 | 9.8 |
| Slovakia | 3.2 | 4.1 | 3.4 | 3.3 | Slovakia | 1.3 | 2.5 | 2.5 | 2.5 | Slovakia | 8.1 | 6.5 | 5.8 | 5.7 |
| Slovenia | 4.9 | 4.5 | 3.2 | 3.1 | Slovenia | 1.4 | 1.7 | 1.5 | 1.9 | Slovenia | 6.6 | 5.1 | 4.2 | 3.7 |
| CEE8 average | 4.7 | 4.4 | 3.9 | 3.4 | CEE8 average | 1.9 | 2.4 | 2.7 | 2.7 | CEE8 average | 6.3 | 5.2 | 5.0 | 5.2 |
| | | | | | | | | | | | | | | |
| Public debt (% of GDP) | 2017 | 2018 | 2019f | 2020f | C/A (%GDP) | 2017 | 2018 | 2019f | 2020f | Budget Balance (%GDP) | 2017 | 2018 | 2019f | 2020f |
| Public debt (% of GDP) Croatia | 2017 77.8 | 2018 74.6 | 2019 f 71.2 | | C/A (%GDP) Croatia | 2017 3.7 | 2018 2.6 | 2019f 1.4 | | Budget Balance (%GDP) Croatia | 2017 0.8 | 2018 0.2 | 2019 f | 2020 f |
| , , | | | | 68.9 | , | | | | | | | | | |
| Croatia | 77.8 | 74.6 | 71.2 | 68.9 30.1 | Croatia | 3.7 | 2.6 | 1.4 | -0.1 0.5 | Croatia | 0.8 | 0.2 | 0.0 | -0.5 |
| Croatia Czech Republic | 77.8 34.6 | 74.6 32.7 | 71.2 31.0 | 68.9 30.1 66.4 | Croatia Czech Republic | 3.7 1.7 | 2.6 0.3 | 1.4 0.4 | -0.1 0.5 0.7 | Croatia Czech Republic | 0.8 1.6 | 0.2 0.9 | 0.0 0.6 | -0.5 0.3 |
| Croatia Czech Republic Hungary | 77.8 34.6 73.4 | 74.6 32.7 70.8 | 71.2 31.0 68.2 | 68.9 30.1 66.4 46.5 | Croatia Czech Republic Hungary | 3.7 1.7 2.8 | 2.6 0.3 0.5 | 1.4 0.4 -0.1 | -0.1 0.5 0.7 -0.7 | Croatia Czech Republic Hungary | 0.8 1.6 -2.2 | 0.2 0.9 -2.2 | 0.0 0.6 -1.8 | -0.5 0.3 -1.5 |
| Croatia Czech Republic Hungary Poland | 77.8 34.6 73.4 50.6 | 74.6 32.7 70.8 48.9 | 71.2 31.0 68.2 48.0 | 68.9 30.1 66.4 46.5 36.0 | Croatia Czech Republic Hungary Poland | 3.7 1.7 2.8 0.2 | 2.6 0.3 0.5 -0.7 | 1.4 0.4 -0.1 -0.5 | -0.1 0.5 0.7 -0.7 -5.2 | Croatia Czech Republic Hungary Poland | 0.8 1.6 -2.2 -1.5 | 0.2 0.9 -2.2 -0.4 | 0.0 0.6 -1.8 -1.5 | -0.5 0.3 -1.5 -0.8 |
| Croatia Czech Republic Hungary Poland Romania | 77.8 34.6 73.4 50.6 35.2 | 74.6 32.7 70.8 48.9 35.0 | 71.2 31.0 68.2 48.0 34.5 | 68.9 30.1 66.4 46.5 36.0 49.2 | Croatia Czech Republic Hungary Poland Romania | 3.7 1.7 2.8 0.2 -3.2 | 2.6 0.3 0.5 -0.7 -4.5 | 1.4 0.4 -0.1 -0.5 -4.8 | -0.1 0.5 0.7 -0.7 -5.2 -6.0 | Croatia Czech Republic Hungary Poland Romania | 0.8 1.6 -2.2 -1.5 -2.7 | 0.2 0.9 -2.2 -0.4 -3.0 | 0.0 0.6 -1.8 -1.5 -3.0 | -0.5 0.3 -1.5 -0.8 -4.0 |
| Croatia Czech Republic Hungary Poland Romania Serbia | 77.8 34.6 73.4 50.6 35.2 59.3 | 74.6 32.7 70.8 48.9 35.0 53.6 | 71.2 31.0 68.2 48.0 34.5 51.3 | 68.9 30.1 66.4 46.5 36.0 49.2 46.2 | Croatia Czech Republic Hungary Poland Romania Serbia | 3.7 1.7 2.8 0.2 -3.2 -5.2 | 2.6 0.3 0.5 -0.7 -4.5 -5.2 | 1.4 0.4 -0.1 -0.5 -4.8 -6.3 | -0.1 0.5 0.7 -0.7 -5.2 -6.0 -1.5 | Croatia Czech Republic Hungary Poland Romania Serbia | 0.8 1.6 -2.2 -1.5 -2.7 1.1 | 0.2 0.9 -2.2 -0.4 -3.0 0.6 | 0.0 0.6 -1.8 -1.5 -3.0 -0.5 | -0.5 0.3 -1.5 -0.8 -4.0 -0.5 |

Note:*Information on past performance is not a reliable indicator for future performance. Forecasts are not a reliable indicator for future performance.



Note:*Information on past performance is not a reliable indicator for future performance. Forecasts are not a reliable indicator for future performance.

CEE Market Insights | Fixed Income | Central and Eastern Europe 26 August 2019

| Contacts Group Research | | Treasury – Erste Bank Vienna | |
|---|---|--|--|
| Head of Group Research Friedrich Mostböck, CEFA | +43 (0)5 0100 11902 | Corporate Treasury Product Distribution AT Head: Christian Reiss | +43 (0)5 0100 84012 |
| CEE Macro/Fixed Income Research Head: Juraj Kotian (Macro/FI) Zoltan Arokszallasi, CFA (Fixed income) | +43 (0)5 0100 17357 +43 (0)5 0100 18781 | Markets Retail Sales AT Head: Markus Kaller | +43 (0)5 0100 84239 |
| Katarzyna Rzentarzewska (Fixed income, Poland) Malgorzata Krzywicka (Fixed income) | +43 (0)5 0100 17356 +43 (0)5 0100 17338 | Group Markets Execution Head: Kurt Gerhold | +43 (0)5 0100 84232 |
| Croatia/Serbia Alen Kovac (Head) Mate Jelić Ivana Rogic | +385 72 37 1383 +385 72 37 1443 +385 72 37 2419 | Retail & Sparkassen Sales Head: Uwe Kolar | +43 (0)5 0100 83214 |
| Czech Republic David Navratil (Head) | +420 956 765 439 | Corporate Treasury Product Distribution AT Head: Christian Skopek | +43 (0)5 0100 84146 |
| Jiri Polansky Michal Skorepa | +420 956 765 192 +420 956 765 172 | Fixed Income Institutional Sales | |
| Hungary Orsolya Nyeste | +361 268 4428 | Institutional Distribution non CEE Head: Jaromir Malak | +43 (0)5 0100 84254 |
| Zsombor Varga | +361 373 2830 | Karin Rattay | +43 (0)5 0100 84118 |
| Romania | | Christian Kienesberger | +43 (0)5 0100 84323 |
| Horia Braun-Erdei (Head) | +40 3735 10424 | Bernd Bollhof Rene Klasen | +49 (0)30 8105800 5525 +49 (0)30 8105800 5521 |
| Eugen Sinca | +40 3735 10435 | Christopher Lampe-Traupe | +49 (0)30 8105800-5507 |
| Dorina Ilasco | +40 3735 10436 | Charles-Henry La Coste de Fontenilles | +43 (0)5 0100 84115 |
| Slovakia Maria Valachyova (Head) | +421 2 4862 4185 | Bernd Thaler | +43 (0)5 0100 84119 |
| Katarina Muchova | +421 2 4862 4762 | Bank Distribution | |
| Major Marketa 9 Cradit Danasah | | Head: Marc Friebertshäuser Sven Kienzle | +49 (0)711 810400 5540 |
| Major Markets & Credit Research Head: Gudrun Egger, CEFA | +43 (0)5 0100 11909 | Michael Schmotz | +49 (0)711 810400 5541 +43 (0)5 0100 85542 |
| Ralf Burchert, CEFA (Agencies) | +43 (0)5 0100 16314 | Ulrich Inhofner | +43 (0)5 0100 85544 |
| Hans Engel (Global Equities) | +43 (0)5 0100 19835 | Klaus Vosseler | +49 (0)711 810400 5560 |
| Margarita Grushanina (Austria, Quant Analyst) Peter Kaufmann, CFA (Corporate Bonds) | +43 (0)5 0100 11957 +43 (0)5 0100 11183 | Andreas Goll Mathias Gindele | +49 (0)711 810400 5561 +49 (0)711 810400 5562 |
| Heiko Langer (Covered Bonds/Financials) | +43 (0)5 0100 11103 | Wathas Officere | +43 (0)7 11 010400 3302 |
| Stephan Lingnau (Global Equities) | +43 (0)5 0100 16574 | Institutional Distribution CEE | |
| Carmen Riefler-Kowarsch (Covered Bonds/Financials) Rainer Singer (Euro, US) | +43 (0)5 0100 19632 +43 (0)5 0100 17331 | Head: Jaromir Malak | +43 (0)5 0100 84254 |
| Bernadett Povazsai-Römhild, CEFA (Corporate Bonds) | | Institutional Distribution PL and CIS | |
| Elena Statelov, CIIA (Corporate Bonds) Gerald Walek, CFA (Euro, CHF) | +43 (0)5 0100 19641 +43 (0)5 0100 16360 | Pawel Kielek Michal Jarmakowicz | +48 22 538 6223 +43 50100 85611 |
| CEE Equity Research | | Institutional Distribution Slovakia | |
| Head: Henning Eßkuchen | +43 (0)5 0100 19634 | Head: Sarlota Sipulova | +421 2 4862 5619 |
| Daniel Lion, CIIA (Technology, Ind. Goods&Services) | +43 (0)5 0100 17420 | Monika Smelikova | +421 2 4862 5629 |
| Michael Marschallinger, CFA Christoph Schultes, MBA, CIIA (Real Estate) | +43 (0)5 0100 17906 +43 (0)5 0100 11523 | Institutional Distribution Czech Republic | |
| Thomas Unger, CFA (Banks, Insurance) | +43 (0)5 0100 17344 | Head: Ondrej Cech | +420 2 2499 5577 |
| Vladimira Urbankova, MBA (Pharma) | +43 (0)5 0100 17343 | Milan Bartos | +420 2 2499 5562 |
| Martina Valenta, MBA | +43 (0)5 0100 11913 | Barbara Suvadova | +420 2 2499 5590 |
| Croatia/Serbia Mladen Dodig (Head) | +381 11 22 09178 | Institutional Asset Management Czech Republic | |
| Anto Augustinovic | +385 72 37 2833 | Head: Petr Holecek | +420 956 765 453 |
| Magdalena Dolenec | +385 72 37 1407 | Martin Perina Petr Valenta | +420 956 765 106 +420 956 765 140 |
| Davor Spoljar, CFA | +385 72 37 2825 | David Petracek | +420 956 765 809 |
| Czech Republic Petr Bartek (Head) | +420 956 765 227 | Blanca Weinerova | +420 956 765 317 |
| Marek Dongres | +420 956 765 218 | Institutional Distribution Croatia | |
| Jan Safranek | +420 956 765 218 | Head: Antun Buric | +385 (0)7237 2439 |
| Hungary | | Zvonimir Tukač | +385 (0)7237 1787 |
| József Miró (Head) | +361 235 5131 | Natalija Zujic | +385 (0)7237 1638 |
| András Nagy Tamás Pletser, CFA | +361 235 5132 +361 235 5135 | Institutional Distribution Hungary | |
| Poland | . 501 200 0 100 | Head: Peter Csizmadia | +36 1 237 8211 |
| Tomasz Duda (Head) | +48 22 330 6253 | Attila Hollo Gabor Balint | +36 1 237 8209 +36 1 237 8205 |
| Cezary Bernatek | +48 22 538 6256 | Sabar Ballin | . 50 1 201 0200 |
| Konrad Grygo Mateusz Krupa, CFA | +48 22 330 6254 +48 22 330 6251 | Institutional Distribution Romania and Bulgaria | . 40 (0)50400 05545 |
| Michal Pilch | +48 22 330 6251 | Head: Ciprian Mitu Crisitan Adascalita | +43 (0)50100 85612 +40 373 516 531 |
| Emil Poplawski | +48 22 330 6252 | Onortani Adabbanta | 170 010 010 001 |
| Romania | | Group Institutional Equity Sales | . 40 (0) 50 100 00 100 |
| Caius Rapanu | +40 3735 10441 | Head: Brigitte Zeitlberger-Schmid Werner Fürst | +43 (0)50100 83123 +43 (0)50100 83121 |
| Turkey | .00.040040041= | Josef Kerekes | +43 (0)50100 83121 |
| Umut Cebir Berke Gümüs | +90 2129120445 +90 2129120445 | Cormac Lyden | +43 (0)50100 83120 |
| Some Junius | 100 2120120440 | Business Support | |
| | | Bettina Mahoric | +43 (0)50100 86441 |

CEE Market Insights | Fixed Income | Central and Eastern Europe 26 August 2019

Disclaimer

This publication was prepared by Erste Group Bank AG or any of its consolidated subsidiaries (together with consolidated subsidiaries "Erste Group") independently and objectively as other information pursuant to the Circular of the Austrian Financial Market Authority regarding information including marketing communication pursuant to the Austrian Securities Supervision Act. This publication serves interested investors as additional source of information and provides general information, information about product features or macroeconomic information without emphasizing product selling marketing statements. This publication does not constitute marketing communication pursuant to Art. 36 (2) Austrian Securities Supervision Act as no direct buying incentives were included in this publication, which is of information character. This publication does not constitute investment research pursuant to § 36 (1) Austrian Securities Supervision Act. It has not been prepared in accordance with legal requirements designed to promote the independence of investment research and it is not subject to the prohibition on dealing ahead of the dissemination of investment research. The information only serves as non-binding and additional information and is based on the level of knowledge of the person in charge of drawing up the information on the respective date of its preparation. The content of the publication can be changed at any time without notice. This publication does not constitute or form part of, and should not be construed as, an offer, recommendation or invitation to subscribe for or purchase any securities, and neither this publication nor anything contained herein shall form the basis of or be relied on in connection with or act as an inducement to enter into any contract or inclusion of a security or financial product in a trading strategy. Information provided in this publication are based on publicly available sources which Erste Group considers as reliable, however, without verifying any such information by independent third persons. While all reasonable care has been taken to ensure that the facts stated herein are accurate and that the forecasts, opinions and expectations contained herein are fair and reasonable, Erste Group (including its representatives and employees) neither expressly nor tacitly makes any guarantee as to or assumes any liability for the up-to-dateness, completeness and correctness of the content of this publication. Erste Group may provide hyperlinks to websites of entities mentioned in this document, however the inclusion of a link does not imply that Erste Group endorses, recommends or approves any material on the linked page or accessible from it. Neither a company of Erste Group nor any of its respective managing directors, supervisory board members, executive board members, directors, officers of other employees shall be in any way liable for any costs, losses or damages (including subsequent damages, indirect damages and loss of profit) howsoever arising from the use of or reliance on this publication. Any opinion, estimate or projection expressed in this publication reflects the current judgment of the author(s) on the date of publication of this document and do not necessarily reflect the opinions of Erste Group. They are subject to change without prior notice. Erste Group has no obligation to update, modify or amend this publication or to otherwise notify a reader thereof in the event that any matter stated herein, or any opinion, projection, forecast or estimate set forth herein, changes or subsequently becomes inaccurate. The past performance of securities or financial instruments is not indicative for future results. No assurance can be given that any financial instrument or issuer described herein would yield favorable investment results or that particular price levels may be reached. Forecasts in this publication are based on assumptions which are supported by objective data. However, the used forecasts are not indicative for future performance of securities or financial instrument. Erste Group, its affiliates, principals or employees may have a long or short position or may transact in the financial instrument(s) referred to herein or may trade in such financial instruments with other customers on a principal basis. Erste Group may act as a market maker in the financial instruments or companies discussed herein and may also perform or seek to perform investment services for those companies. Erste Group may act upon or use the information or conclusion contained in this publication before it is distributed to other persons. This publication is subject to the copyright of Erste Group and may not be copied, distributed or partially or in total provided or transmitted to unauthorized recipients. By accepting this publication, a recipient hereof agrees to be bound by the foregoing limitations.

© Erste Group Bank AG 2019. All rights reserved.

Published by:

Erste Group Bank AG Group Research 1100 Vienna, Austria, Am Belvedere 1 Head Office: Wien Commercial Register No: FN 33209m Commercial Court of Vienna

Erste Group Homepage: www.erstegroup.com