

Any impact on CEE if Britain leaves?

Main impact via uncertainty on how Britons vote and how potential Brexit would be facilitated. So far, visible relations in exports, funds, etc., appear manageable.

Henning Eßkuchen

+43 (0)50 100 19634

henning.esskuchen@erstegroup.com**Zoltan Arokszallasi**

+43 (0)50 100 -18781

Zoltan.Arokszallasi@erstegroup.com**Zoltan Bakay**

+43 (0)50 100 - 17204

Zoltan.Bakay@erstegroup.com

The main Brexit impact for the CEE region should come via massive uncertainty prior to the referendum. Also, quite some volatility in equities, bonds and currencies should be expected for CEE markets in the event of a “leave” vote. The latest polls see “leave” voters gaining momentum, while bookies still put higher odds on “remain”.

As potential channels for impact, we have reviewed economics, politics, fund flows and individual stocks/sectors. However, even this can only demonstrate the potential impact, since it remains uncertain as to what kind of agreements would potentially replace EU membership, in terms of restoring trade relations, etc. It should be certain that there would be a substantial and immediate short-term impact on the markets if it happens.

Economics: The UK accounts for about 4.4% of total exports within our coverage universe, compared to an average of 23% heading for Germany. CZ leads, with UK exports accounting for 4% of GDP, going down to 0.3% of GDP for HR. Hence, any Brexit-induced impact on exports would be visible, but appears digestible. The UK's contribution to the EU's structural and investment budget, net of rebates and receipts, ranges within 4-9% (UK or Commission way of calculation) according to our estimates. Hence, some impact could be expected for big EU fund receivers such as HU, PL or RO.

Contents

Brexit – what is the risk? Uncertainty!	2
Potential impact on CEE economics and politics	2
Liquidity - fund flows	7
Impact on stock and sectors	10
Brexit – what do we talk about?	13

Contacts	15
Disclaimer	16

Politics/contagion: EU skeptics might see the vote as supporting their case. Also, as a response to the entire situation, the EU could slow down the pace of further EU integration, which might be somewhat bad news for Serbia. Cancelling the free movement of labor would affect EU (and CEE) citizens living and working in the UK. Overall, politics might be the most difficult impact to handle.

Liquidity: As the UK is home to the financial industry in Europe, Brexit might impact fund flows into regional equity markets. UK-domiciled funds account for 5.4% of estimated allocations in EM Europe. Flows and allocations from UK-domiciled funds have already been on a declining trend for some time. Brexit might add slightly to this, at least in the short term. Overall, the impact seems limited.

Sectors: We would expect some impact on telcos via roaming, if the UK were no longer under EU regulation. Banks would be the most likely sector to be most hit by the overall uncertainty. Real UK exposure is also limited. Pharmaceutical companies might face higher costs when introducing new products in the UK.

Companies: We identified **Zumtobel** (18%), **Wienerberger** (10%) and **DO&CO** (10%) as the highest in terms of sales in the UK (2015), with local production providing a natural hedge. **Palfinger** and **SBO** also run local production in the UK, while **Wolford** has some 8% of sales coming from the UK (3% of expenses). **KTC** is working on a telematics solution in which the UK authorities have expressed interest. **Krka** and **Richter** have UK exposure of 2.6% and 1.8% of 2015 sales, respectively.

Brexit – what is the risk? Uncertainty!

In summary we see the main risk related to a Brexit in massive uncertainty. Even in case Britons vote to remain, it might still support EU skeptics also in CEE and will continue to impact the political scene. While the outcome is fairly uncertain since polls indicate a race head to head (with “leave” taking a lead lately), there is no clear conclusion on what the result of a “leave” vote would be. Assuming that the UK will not cut off relations with the EU entirely, different options based on already existing agreements are possible.

Other than overall uncertainty and market volatility, via exports, fund flows and direct company/sector impact is strong enough for not being neglected, but still on a level that could be handled. Given that it is absolutely unclear what a post-Brexit scenario could look like in terms of trade agreements, etc, all shown impacts are just potential and will finally largely depend on what resulting agreements will look like.

Potential impact on CEE economics and politics

Export impact limited, but visible

Looking at CEE, the direct economic consequences of Brexit might be relatively minor. Direct trade linkages to the UK in our universe average at 4.4% of total exports, showing the highest numbers for Poland and Turkey. However, CEE shows much higher export exposure to Germany. Hence, some weakness might also come via indirect links (Germany exports 8% of its total to UK).

Share of exports to UK in total exports (2014)

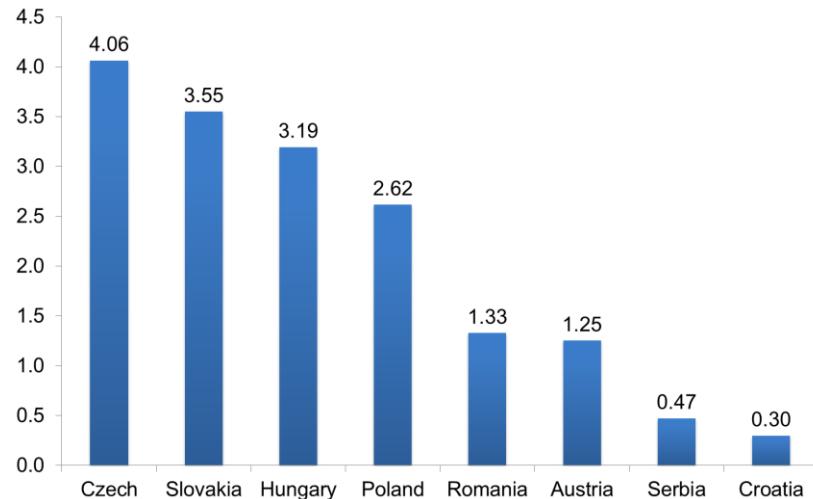
	PL	TR	CZ	RO	HU	AT	HR
Highest exposure to	DE	DE	DE	DE	DE	DE	IT
Highest exposure %	27.2%	9.9%	32.5%	19.6%	28.9%	30.6%	13.9%
Exposure to UK	6.6%	6.5%	5.2%	4.2%	3.8%	3.2%	1.5%
UK rank in total exports	2	3	4	6	9	10	13
Top ten	68.0%	49.2%	73.8%	64.2%	70.1%	69.1%	70.3%

Source: Thomson Reuters

At least short-term effect on trade

It is not clear whether the trade flow would be affected by Brexit at all, as scenarios for the UK range from Norway/Switzerland type EEA (European Economic Area) membership to treatment like any WTO member. Basically, the impact would come via two routes. For one, trade barriers might arise at least for the short-term, as long as new relations are not established. Secondly, any Brexit induced weakness of the UK economy should also be seen in weaker demand for imported goods.

Exports to the UK (% of GDP 2015)



Source: Eurostat

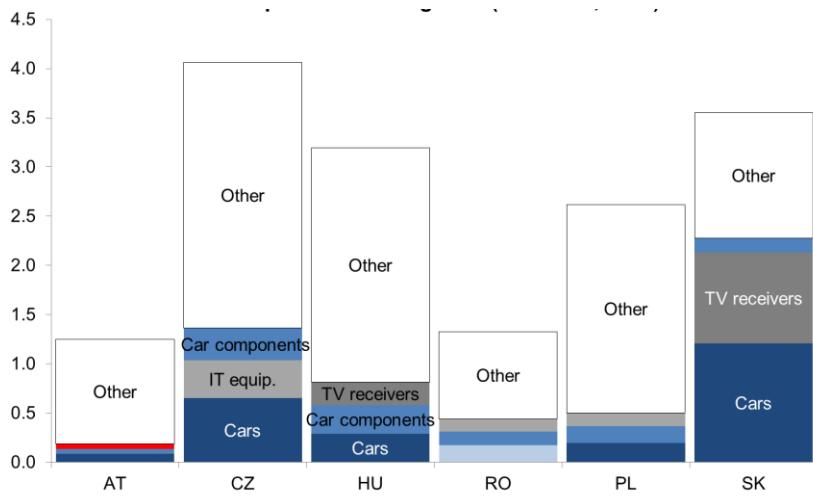
CZ, SK, HU show strongest exposure, PL some

The strongest impact of any disturbance in exports to the UK should be felt in the Czech Republic, Slovakia and Hungary, which comes as no surprise since these markets are typically the most open economies in the region, strongest relying on exports as a contributor to GDP. However, also Poland, generally less dependent on exports (about 40% of GDP) still has a meaningful number for UK exports as a % of Polish GDP.

Automotive industry strongest part in exports

Looking at export structure, quite a dominance of the sector automotive and parts is not a big surprise. The strongest overweight comes for the Czech Republic, Slovakia and Hungary somewhat balanced by IT equipment and consumer electronics. Also Poland shows a similar structure as far as its top 3 categories in UK exports are concerned, on a much lower relative scale, though. Overall, Slovakia seems to have the least diversified export structure, which in turn means that any Brexit related export disturbance would hit mostly VW and Samsung, producing in Slovakia.

Exports to UK – top 3 categories (% of GDP, 2015)



Source: Eurostat, Erste Group Research

Political risk – support for EU skeptics in the region

Pace of integration to slow down

Free movement labor

Somewhat stronger consequences would hit migrant CEE workers in the UK through cuts in social benefits and the curbing of the free movement of labor, but even this does not make it likely that most of these workers would lose their jobs or return to their home countries.

Contagion risk

However, there would be more costs on the political side. Brexit could question the irreversibility of the economic and political integration of CEE countries within the EU and in particular increase the divide between Euro Area and non-Euro Area countries (core-EU and non-core EU), triggering a discussion on the existence of the EU as a whole. Such speculation could lead to strong market developments (such as safe haven flows).

EU skeptics in the V4 countries (Poland, the Czech Republic, Slovakia and Hungary) would see the UK vote as support for their cases. On the other hand, the EU could see itself forced to slow down the pace of integration. German Finance Minister Schäuble already mentioned in a recent interview that, regardless of what the result of the referendum is, the EU could not simply continue to follow a path of unquestioned further integration. EU politicians have to prove that they heard the voices and that they are willing to address criticism. At some point, that might make life somewhat more difficult for EU aspirants, such as Serbia. At least it will stretch the path to accession over time.

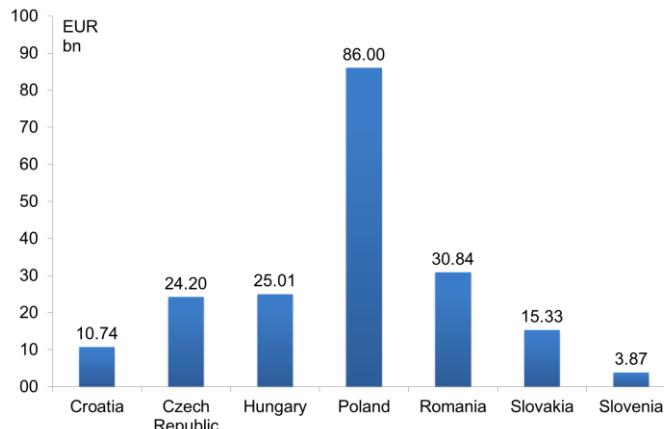
Potential funding loss for structural and investment funds

If Britain indeed leaves the EU, then it is an important question as to what extent its net contributions will be missing from the total budget and the structural and investment budget (the latter is very important for CEE countries, as the largest net beneficiaries of this funding).

EU skeptics show high portion of EU funding

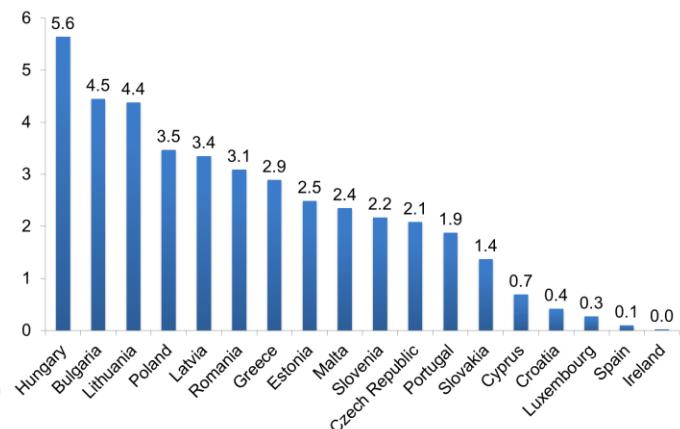
Interestingly, EU skeptics such as Hungary or Poland rank pretty high in terms of EU fund receipts as a percentage of respective GDP, hence any disturbance in EU budgets and availability of funding would be felt. In our note [Is it time to go back to Poland?](#) in March 2016 we already mentioned our concerns on Poland's ability to close its potential budget gap, given its generous social spending plans.

EU funding planned for CEE 2014-2020



Source: Commission, Eurostat

Receipts from EU as % of local GDP



UK contributes 9% of structural and investment budget funding (based on HM Treasury numbers)

A few aspects must be considered to calculate Britain's contribution to the EU's total budget and then to the structural and investment fund's budget. Britain is getting a so-called 'rebate' from other EU countries (still negotiated by Margaret Thatcher in 1984) and the UK also gets some funds from the EU. According to documents on HM Treasury's website¹, Britain is planned to contribute to the total EU budget with GBP 99.7bn (roughly EUR 129bn) in 2014-20 on a gross basis (but already deducting the rebate), and if we deduct the inflow of EU funds too, the amount declines to approx. GDP 67.6bn (EUR 87.6bn). This is the contribution to the total EU budget, however, of which the structural and investment budget is roughly 40-45% (EUR 454.1bn) for 2014-20.² These figures overall mean calculating with a net contribution from Britain, while roughly EUR 35-40bn will be missing from the structural and investment budget. This corresponds to approx. 9% of the structural and investment budget's funding³.

UK and EU show different way of calculating net contributions

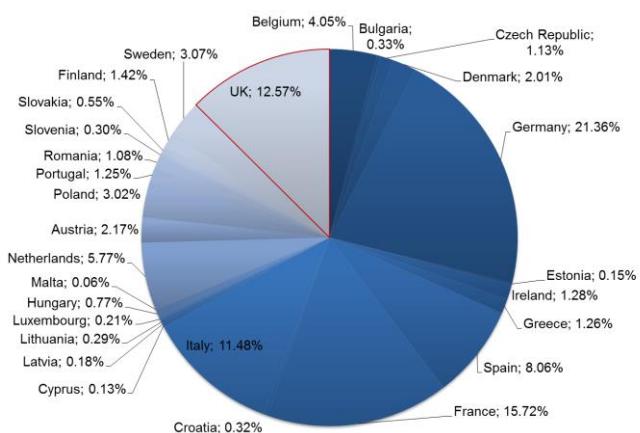
When looking at these numbers, however, we need to know that the British treasury and Office for Budget Responsibility shows net contributions to the EU budget different to what the Commission shows. The difference is that the Commission takes into account all of the UK's receipts including those that go directly into the UK private sector. The calculation shown above based on data provided by the HM Treasury includes only receipts that go through the UK public sector. Hence, the number for net the UK's contribution in 2014 as shown by the Commission would be EUR 4.9bn (assuming a stable contribution over the coming years, this would yield some EUR 34bn for the period 2014-2020, for the entire budget, not only for the structural and investment budget). This means that the 9% loss of funding calculated above can actually be an overstatement if one includes funds not going through the public sector of the UK, decreasing any potential negative impact of a Brexit. If we were to use UK's net contribution as provided by the Commission and would assume that it would remain proportionally to what the HM Treasury reports as planned contributions, UK's contribution to the structural and investment budget would come in at 4%.

¹ source: HM Treasury (https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/483344/EU_fina_nces_2015_final_web_09122015.pdf) and own calculations for EUR value

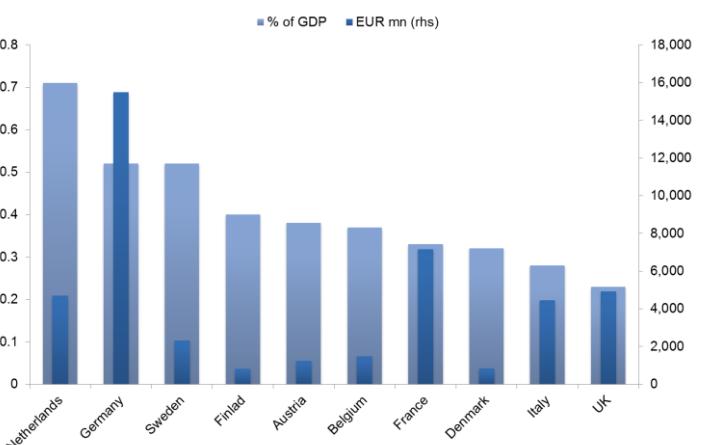
² own assumption for the total EU budget for 2014-2020

³ We must note that we deduct the monies originally planned to be sent to the UK from the total structural and investment fund budget (which monies will, of course, likely not be paid to Britain if it leaves the EU).

EU budget revenue 2015* - percentage after rebates by member



Ranking by net contribution



*gross contributions; Source: European Commission's Draft Amending Budget 8 to the 2015 budget, www.bpb.de (European Commission, EU budget 2014, Eurostat)

It is also to be mentioned that, since it is already 2016, we now have running structural and cohesion fund programs, and it remains to be seen if this calculated funding will indeed be fully cut off. In addition, after 2020, when EU structural and cohesion funds to CEE countries are reasonably expected to decline substantially, the problem of missing funding from Britain also gets less important.

Some impact in any case

Regardless of which number finally is used to capture the UK's contribution to the EU budget, it should be fair to assume that its disappearance will not endanger the entire structure, but might cause some re-thinking and reallocation of resources.

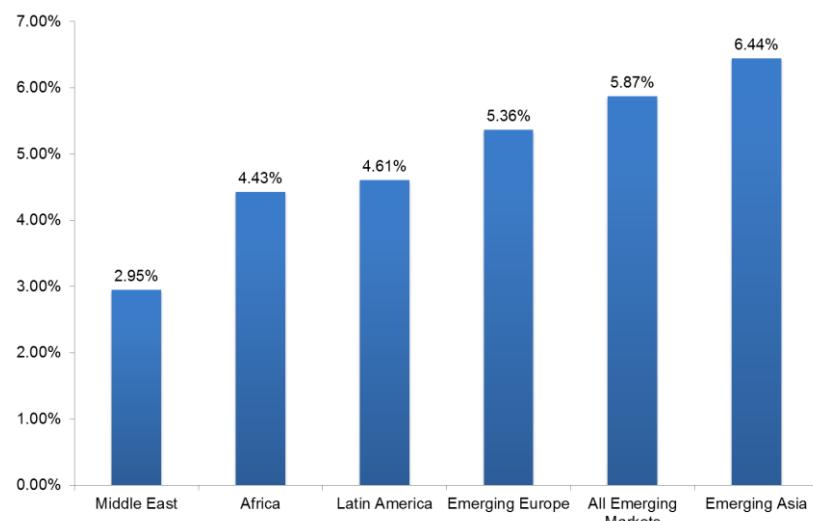
Leaving EU = impact on investment behavior of UK-domiciled funds?**Liquidity - fund flows**

The assumption of a potential impact of Brexit on CEE equity markets in terms of fund flows relies on the assumption that leaving the EU would have an impact on the investment policies of UK-domiciled funds. Also, leaving the EU-regulated area might have at least some temporarily disturbing impact on acquiring assets, which in turn might have an impact on available funds to invest. In the following we compare total flows and allocations to flows and allocations stemming from UK domiciled investors as provided by EPFR. They look at where the fund is domiciled and not where the domicile of the respective fund manager is. Hence, overseas funds just managed in the UK might not be included here.

Overall, we would consider the risk of flows from UK-domiciled equity funds showing a visible impact on CEE equity markets as minor, in particular since flows have been on a downturn already for a while. Nevertheless, we will spend a few minutes reviewing UK exposure towards the region.

UK-based funds account for 5.4% of estimated allocations to EM Europe

The estimated allocations of UK-domiciled funds account for 5.4% of the entire estimated allocations of equity funds for EM Europe (based on data since January 2010). The UK share in estimated allocations for most of the time has hovered around the average. At the beginning of 2015, UK-domiciled funds apparently started to increase their exposure, but this trend has again reversed to average levels since the beginning of 2016.

Share of UK domiciled equity funds in estimated allocations, regional

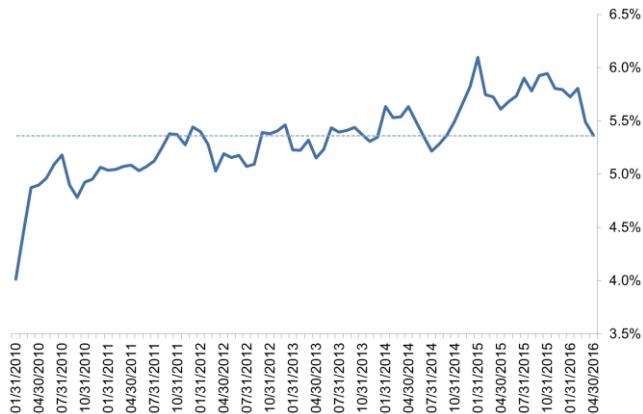
Source: EPFR Global

Turkey lowest allocation from UK-domiciled equity funds

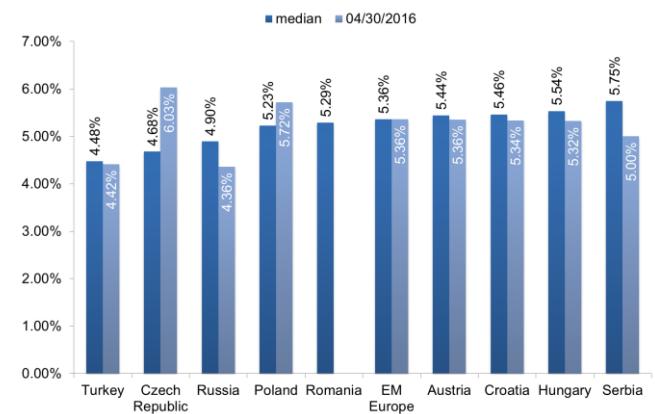
In terms of countries, Turkey appears to be the least liked, based on estimated allocations of UK-domiciled equity funds. Interestingly, Serbia comes in with the highest exposure on average, although it has lately been on quite a declining trend. Other visible deviations from current (May 2016) and average (back to January 2010) can be seen only for the Czech Republic and Poland – UK domiciled allocations have been falling for both markets, but less than the total. Russia shows the highest negative deviation of today's weight in allocations vs. the average.

UK share in estimated allocations for EM Europe

Over time...



...and current



Based on country flows

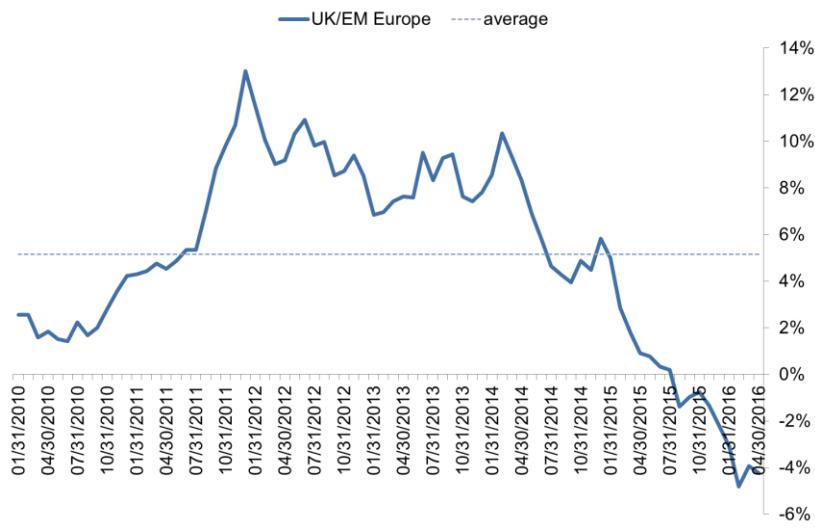
Source: EPFR Global, own calculations

Accumulated flows into EM Europe from UK on downtrend since 2014

Monthly flows seem to offer less of an insight into what could be the impact of UK-domiciled equity funds, since they are quite volatile by nature. In any case, accumulated flows into EM European equity markets (accumulated since January 2010) have been on average at about 5% of overall accumulated monthly flows into EM Europe. Since 2014, accumulated flows of UK-domiciled funds have been on a declining trend as a share of overall accumulated flows into the region.

As of August 2015, accumulated flows of UK-based funds have even turned negative and have remained so ever since. Given that this is just an extension of an already longer-lasting trend, we would not relate it exclusively to any Brexit impact. For now, Turkey is the only market still showing positive accumulated monthly flows from UK-domiciled funds. The trend here is, however, also negative.

Accumulated flows since January 2010



Source: EPFR Global, own calculations

UK listings of CEE might temporarily face lower liquidity

With London being home to quite a number of banks and brokers and with access to regional markets via DMA, changes arising from potential Brexit might cause lower liquidity at least temporarily.

Trading of CEE stocks on LSE

Some CEE stocks have listings on LSE International, such as **Stock Spirits** (which is even organized in the form of a PLC) and **Romgaz**. Depending on what form the UK chooses for further work with the EU, we might face different scenarios in regulations that also might affect the attractiveness of trading the respective stock via its UK listing. In the best case, this might move some liquidity back to its respective home markets. The same uncertainty should apply to market access in Vienna, Budapest and Prague via Turquoise as a vehicle of the LSE.

Impact on stock and sectors

We have screened our coverage universe for any particular Brexit impact on individual stocks or sectors. We looked at things such as trade links, local production, passporting issues, GBP indebtedness, etc.

Telecom

While there is no particular impact on any individual company, roaming might be a channel that could also impact the sector in CEE in case of Brexit.

Roaming could be channel to impact telcos

Roaming revenues have been steadily reduced according to the EU roaming tariff regulation. If the UK were to exit the EU, it could choose to apply higher roaming rates to EU visitors than the regulated EU tariffs. Nevertheless, EU operators would also hike their rates for British visitors. We therefore see a neutral impact for CEE/Austria telecoms.

Utilities

Regional utilities would be virtually unaffected by Brexit. Also, any potential impact from being part of the European power grid should be marginal. As an island, the UK is not significantly connected to the European grid.

Banks

What are the effects of Brexit on the financial sector? Much discussed has been the impact on London as a financial hub for international banks. Banks that used London as a location to gain access to the EU as a whole will be forced to partially relocate to other destinations within the EU. This does not mean the locational advantage of the City as a whole will be endangered. The high density of expert knowhow, the usage of the English language and well-established business ties will prevent a more comprehensive loss of appeal.

London to remain a banking gateway to EU?

Leaving the common regulatory framework (passporting, etc.), intuitively, banks doing business in one of Europe's financial centers should be among the main potential victims. For CEE, however, the impact should come mostly via its links to the European sector overall (apart from economic impact), not via direct exposure/presence to London. UK presence via branches, such as in the case of PKO BP, seems to have more of a symbolic character, but, looking at the reported numbers, it does not seem to have any tangible impact.

Banks mostly impacted top-down

For Austrian banks, the impact of Brexit seems at this stage manageable, as there is a clear strategic focus on CEE and not on global financial markets. Nonetheless, a downturn in the real economy as well as capital flows to safe havens will affect CEE, which would temporarily weigh on business activity.

Individual stocks being impacted

Apart from the sectors that at first thought might have some exposure, we list a rather limited number of companies that might see some more direct impact from a potential Brexit.

Most companies in our coverage universe report no or negligible exposure to the UK (not shown in any segmental reporting).

Zumtobel: has local production, total exposure to UK about 18% of sales (2015).

Wienerberger: has local production, total exposure to UK about 10% of sales (2015).

DO & Co: According to the rough company estimates, UK accounts for about 10% of DO&CO revenues as well as 10% of the total expenses. The company has no GBP denominated loan and hence DO&CO enjoys a nearly perfect natural hedge.

Wolford: net sales in the UK deliver 8% of total sales, while UK expenses account for 3% of the total. The company does not have any GBP-denominated loans. Hence, a weakening pound would affect Wolford negatively, although the impact would not be sizable. Moreover, a weaker pound could contribute to higher tourism-derived sales volumes in the UK, partly compensating for the negative effects of a weaker GBP.

Palfinger: runs a small production facility near London, producing for local business, total exposure to UK about 5% of sales (2015).

Andritz: has two small local production facilities, total exposure to UK about 1% of sales.

KTC: working on a telematics solution in which UK authorities have expressed interest.

SBO: has two local production facilities, recently merged, local production mostly exported, mostly sold in USD, loan of GDP 8mn – weaker GDP would be mostly positive.

Krka: sales in the UK delivered nearly EUR 30mn, or around 2.6% of total sales in 2015, no significant exposure to the British pound.

Richter Gedeon: sales in the UK contributed EUR 21.1mn, or just 1.8% of the total sales in 2015, no significant exposure to the British pound.

Both **Krka and Richter** could be negatively affected by somewhat higher costs of introducing products to the UK market, especially temporarily, with EU-wide marketing approval being no longer being valid for the UK and with the necessity to submit all documentation for drug approval separately. Nonetheless, in the long run, harmonization can be expected, or even possibly acceptance of the marketing authorizations issued for the EU (similarly to Norway), although some delays in introducing products to the UK following BREXIT seem to be inevitable (as is now the case now for other countries in Europe outside the EU).

Non-EU companies: Within our coverage universe, only Turkey and Serbia are not part of the EU. Hence, for these markets the situation would be

different in the sense that they are not part of the common market via membership, but via other agreements. It remains unclear as to how Brexit could impact these agreements. To the extent that agreements on trade, etc., were concluded with the EU, it might happen that new bilateral agreements will also have to replace existing relations.

The UK is the third-largest trading partner for Turkey after Germany and Iraq (6.5% of exports, 2014). In our coverage, we find no company with local production in the UK. However, both **Ford Otosan** (23% of sales) and **Arcelik** (10% of sales) report visible exposure to the UK (not covered: **Vestel**: 12% of sales, **Tofas**: 7% of sales, **Sisecam**: 1% of sales). While foreign currency financing is always a sensitive topic for Turkey, we find no material financing in GDP for Turkish companies in our universe.

Brexit – what do we talk about?

Britons are being asked to vote for or against membership of the EU on June 23. This perennial decision may end the UK's 43-year-long membership. In the event of a leave vote, David Cameron (or whoever leads the UK government) will invoke Article 50 of the EU's Lisbon treaty and begin exit negotiations with the Common Market; these could last up to two years, unless the EU decides to extend the timeframe to settle a deal.

Polls give little guidance, bookies bet on 'remain'

What are the odds of this scenario materializing? Based on current polls, the result will be a close call. The original "remain" margin of 5 to 10 percentage points has basically disappeared. Latest polls indicate that the "leave" voters are gaining momentum, taking a lead. However, as far as we want to include betting companies, we find bookies currently putting some 70% likelihood on a 'remain' vote.

Emotional decision, not only based on economics

Our best guess is that, in the end, economic rationality will prevail over Britons' undeniable penchant for EU skepticism. So far, the majority of the substantial economic research on the topic sees far more disadvantages than advantages for Britain. The economic fallout would probably not be catastrophic, but it would still be far from being imperceptible. However, listening to campaigns, it seems there is a great deal of emotions involved in the discussion. Hence, a view simply based on economic arguments would not be a complete view.

Who would lead exit?

Should Britons nonetheless vote against the European club, the divorce could easily end up a messy process. In terms of first reactions, it is conceivable that David Cameron, the face of the "remain" faction, would have to step down. A newly-appointed Euroskeptic prime minister would enter negotiations without being able to change much instantly, as Britain would remain subject to EU legislation until a deal is struck. This means that the country would continue to pay contributions to the EU budget and would not have much of a handle to curb immigration from Eastern Europe.

At least short-term shock across markets

At the same time, a Brexit vote could be perceived as a trigger event for a mini EU-crisis. An uncertain perspective for business relations would hamper foreign investment in the UK. Turbulence on stock and bond markets, as well as a temporary shock to the real economy, would quickly feed through to other markets outside the UK, namely to the EU. Reaction patterns from the euro crisis suggest that investors would flock to typical safe havens, such as German and Austrian government bonds, driving yields down further.

EU might not be too generous in any post-exit negotiations

How severe might the downturn be? Before losing our heads, attention should be directed to the fundamental picture. Britain will continue to be an attractive business partner and financial center and the continent will be interested in keeping business ties alive. Being outside of the common market, however, will reduce part of the appeal that the UK currently enjoys. A number of banks have already announced their intention to relocate their operations to the mainland should Britain decide to leave. And while in the long run neither the UK nor the rump EU has any interest in ruining business relations entirely, the EU is not likely to be too generous when negotiating post-Brexit relations, not least to discourage the remaining EU countries from taking similar steps.

Short-term shock for sure

Also, in the short run, the economic shock potential of a Brexit vote should not be played down. Market turmoil tends to quickly hit economic sentiment

and may result in a lengthy period of uncertainty. Looking back at the Lehman shock and subsequent euro crisis, a time span in the area of 6 to 12 months does not seem improbable. Subdued investment and weak consumer sentiment could hurt fledgling growth in both the EU and UK. Capital flows that currently finance the UK's gaping current account deficit (5% of GDP) could slow down and increase the chances of a recession. The magnitude of a Brexit-induced downturn may not be as severe as, e.g. in the wake of Lehman, but still, any slowdown in the current environment seems critical.

So in short, Brexit would be a negative market event triggering turmoil, especially in the short run. Once this has settled, it will become clear that Brexit may be negative for growth, but not a Lehman-type catastrophe, as long as the cohesion of the EU as a whole is not put into question.

Options for post-Brexit arrangements between UK & EU

Arrangement	Template	Main features
European Economic Area	Norway Iceland	<ul style="list-style-type: none"> · Full access to the single market · Outside EU Customs Union · Adoption of EU standards/regulations · Contribution to EU budget · No immigration restrictions
EFTA	Switzerland	<ul style="list-style-type: none"> · Bilateral agreements with EU countries across sectors; no passporting for banks · Outside EU Customs Union · Limited impact on EU standards/regulations · Contribution to EU budget
Customs Union	Turkey	<ul style="list-style-type: none"> · No internal tariff barriers; but access restrictions in certain sectors · Very limited influence on EU regulations · Acceptance of EU external customs regime
FTA		<ul style="list-style-type: none"> · Mostly tariff-free single market access · Adoption of EU standards/regulations · No full access in financial services; no passporting
WTO MFN		<ul style="list-style-type: none"> · Trade based on WTO/MFN-rules · UK subject to EU tariffs · Regulatory divergence over time

Source: OECD, 2016; Global Counsel, 2015; Erste Asset Management

Erste Group Research

Potential Brexit impact on CEE | CEE Equity Strategy
2Q 2016

Contacts

Group Research

Head of Group Research

Friedrich Mostböck, CEFA

Major Markets & Credit Research

Head: Gudrun Egger, CEFA

Ralf Burchert; CEFA (Agency Analyst)

Hans Engel (Senior Analyst Global Equities)

Christian Enger, CFA (Covered Bonds)

Margarita Grushanina (Economist AT, CHF)

Peter Kaufmann, CFA (Corporate Bonds)

Stephan Lingnau (Global Equities)

Carmen Riefler-Kowarsch (Covered Bonds)

Rainer Singer (Senior Economist Euro, US)

Bernadett Povazsai-Römhild (Corporate Bonds)

Elena Strelcov, CIIA (Corporate Bonds)

Gerald Walek, CFA (Economist Euro)

Katharina Böhm-Klamt (Quantitative Analyst Euro)

Macro/Fixed Income Research CEE

Head CEE: Juraj Kotian (Macro/FI)

Zoltan Arokszallas (Fixed income)

Katarzyna Rzentalrewska (Fixed income)

CEE Equity Research

Head: Henning Eßkuchen

Franz Hörl, CFA (Basic Resources, Real Estate)

Daniel Lion, CIIA (Technology, Ind. Goods&Services)

Christoph Schultes, MBA, CIIA (Industrials)

Vera Sutedja, CFA, MBA (Telecom)

Thomas Unger, CFA (Banks, Insurance)

Vladimira Urbankova, MBA (Pharma)

Martina Valenta, MBA (Real Estate)

Editor Research CEE

Brett Aarons

Research Croatia/Serbia

Head: Mladen Dodig (Equity)

Head: Alen Kovac (Fixed income)

Anto Augustinovic (Equity)

Milan Deskar-Skrbic (Fixed income)

Magdalena Dolenec (Equity)

Ivana Rogic (Fixed income)

Davor Spoljar, CFA (Equity)

Research Czech Republic

Head: David Navratil (Fixed income)

Head: Petr Bartek (Equity)

Renáta Durčová (Equity)

Jiri Polansky (Fixed income)

Dana Hajkova (Fixed income)

Jana Urbankova (Fixed income)

Research Hungary

Head: József Miró (Equity)

Gergely Ürmössy (Fixed Income)

András Nagy (Equity)

Vivien Barczel (Fixed income)

Tamás Pletser, CFA (Oil&Gas)

Research Poland

Head: Magdalena Komaracka, CFA (Equity)

Marek Czachor (Equity)

Tomasz Duda (Equity)

Matteusz Krupa (Equity)

Adam Rzepecki (Equity)

Research Romania

Head: Mihai Caruntu (Equity)

Head: Dumitru Dulgheru (Fixed income)

Chief Analyst: Eugen Sinca (Fixed income)

Dorina Ilasco (Fixed Income)

+43 (0)5 0100 11902

+43 (0)5 0100 11909

+43 (0)5 0100 16314

+43 (0)5 0100 19835

+43 (0)5 0100 84052

+43 (0)5 0100 11957

+43 (0)5 0100 11183

+43 (0)5 0100 16574

+43 (0)5 0100 19632

+43 (0)5 0100 17331

+43 (0)5 0100 17203

+43 (0)5 0100 19641

+43 (0)5 0100 16360

+43 (0)5 0100 19632

+43 (0)5 0100 17357

+43 (0)5 0100 18781

+43 (0)5 0100 17356

+420 956 711 014

+381 11 22 09178

+385 72 37 1383

+385 72 37 2833

+385 72 37 1349

+385 72 37 1407

+385 72 37 2419

+385 72 37 2825

+420 956 765 439

+420 956 765 227

+420 956 765 213

+420 956 765 192

+420 956 765 172

+420 956 765 456

+361 235 5131

+361 373 2830

+361 235 5132

+361 373 2026

+361 235 5135

+48 22 330 6256

+48 22 330 6254

+48 22 330 6253

+48 22 330 6251

+48 22 330 6252

+40 3735 10427

+40 3735 10433

+40 3735 10435

+40 3735 10436

Research Slovakia

Head: Maria Valachyova (Fixed income)

Katarina Muchova (Fixed income)

+421 2 4862 4185

+421 2 4862 4762

Research Turkey

Umut Ozturk (Equity)

Oguzhan Evranos (Equity)

+90 212 371 25 30

+90 212 371 25 42

Group Institutional & Retail Sales

Institutional Equity Sales

Head: Brigitte Zeitlberger-Schmid

+43 (0)5 0100 83123

Cash Equity Sales

Hind Al Jassani

+43 (0)5 0100 83111

Werner Fuerst

+43 (0)5 0100 83121

Josef Kerekes

+43 (0)5 0100 83125

Stefan Raidl

+43 (0)5 0100 83113

Derivative Sales

Sabine Kircher

+43 (0)5 0100 83161

Christian Klikovich

+43 (0)5 0100 83162

Armin Pfingstl

+43 (0)5 0100 83171

Institutional Equity Sales Croatia

Damir Eror (Equity)

+385 72 37 28 36

Zeljka Kajkut (Equity)

+385 72 37 28 11

Institutional Sales Czech Republic

Head: Michal Rizek

+420 224 995 537

Pavel Krabicka (Equity)

+420 224 995 411

Michal Sopinski (Equity)

+420 224 995 554

Przemyslaw Nowosad (Equity)

+420 224 995 510

Institutional Sales Hungary

Levente Nándori (Equity)

+361 235 5141

Attila Preisz (Equity)

+361 235 5140

Norbert Siklósi (Fixed Income)

+361 235 5842

Balázs Zánkay (Equity)

+361 235 5156

Institutional Equity Sales Poland

Pawel Szczepański (Head)

+4822 330 6265

Pawel Czuprynski (Equity)

+4822 330 6212

Michał Sopinski (Equity)

+4822 538 6219

Przemysław Nowosad (Equity)

+4822 538 6266

Grzegorz Stepien (Equity)

+4822 330 6211

Institutional Equity Sales Turkey

Mine Yoruk (Equity)

+9 0212 371 2526

Ebru Doganay Percin (Equity)

+9 0212 371 2522

Saving Banks & Sales Retail

Head: Christian Reiss

+43 (0)5 0100 84012

Equity Retail Sales

Head: Kurt Gerhold

+43 (0)5 0100 84232

Fixed Income & Certificate Sales

Head: Uwe Kolar

+43 (0)5 0100 83214

Treasury Domestic Sales

Head: Markus Kaller

+43 (0)5 0100 84239

Corporate Sales AT

Head: Christian Skopek

+43 (0)5 0100 84146

Fixed Income Institutional Desk

Head G7: Thomas Almen

+43 (0)5 0100 84323

Fixed Income International & High End Sales Vienna

Jaromír Malak/ Zach Carvell

+43 (0)5 0100 84254

U. Inhofner / C. Mitu

+43 (0)5 0100 84254

Central Bank and International Sales

Daniel Kihak Na

+852 2105 0392

Christian Kössler

+43 (0)5 0100 84116

Disclaimer

This investment research (the "Document") has been prepared by Erste Group Bank AG or any of its consolidated subsidiaries (together with consolidated subsidiaries "Erste Group") for the purpose of providing additional economical information about the analyzed company or companies. The Document is based on reasonable knowledge of Erste Group's analyst in charge of producing the Document as of the date thereof and may be amended from time to time without further notice. It only serves for the purpose of providing non-binding information and does not constitute investment advice or investment recommendations. This Document 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 Document 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. All information, analysis and conclusions provided herein are of general nature. This Document does not purport to provide a comprehensive overview about any investment, the potential risks and results nor does this Document take into account any individual needs of an investor (the "Investor") in relation to proceeds, tax aspects, risk awareness and appropriateness of the security or financial product. Therefore, this Document does not replace any investor- and investment-related evaluation nor any comprehensive risk disclosure; any security or financial product has a different risk level.

Performance charts and example calculations do not provide any indication for future performance of the security or the financial product. Information about past performance does not necessarily guarantee a positive development in the future and investments in securities or financial products can be of risk and speculative nature. The weaker the Company's credit-worthiness is, the higher the risk of an investment will be. Not any investment is suitable for every investor. Therefore, Investors shall consult their advisors (in particular legal and tax advisors) prior to taking any investment decision to ensure that – irrespective of information provided herein – the intended purchase of the security or financial product is appropriate for the Investor's needs and intention, that the Investor has understood all risks and that, after due examination, the Investor has concluded to make the investment and is in a position to bear the economical outcome of such investment. Investors are advised to mind the client information pursuant to the Austrian Securities Supervision Act 2007. Financial analysis is produced by Erste Group's division for financial analysis within the framework provided by applicable laws. The opinions featured in the equity and credit research reports may vary. Investors in equities may pursue different interests compared to those of investors on the credit side, related to the same issuer. The analyst has no authority whatsoever to make any representation or warranty on behalf of the Company, Erste Group, or any other person. 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 Document. Neither a company of Erste Group nor any of its respective managing directors, supervisory board members, executive board members, directors, officers or 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 Document. Erste Group, associated companies as well as representatives and employees may, to the extent permitted by law, have a position in the securities of (or options, warrants or rights with respect to, or interest in the financial instruments or other securities of) the Company. Further, Erste Group, associated companies as well as representatives and employees may offer investment banking services to the Company or may take over management function in the Company. This Document has been produced in line with Austrian law and for the territory of Austria. Forwarding this Document as well as marketing of financial products described herein are restricted or interdicted in certain jurisdictions. This, in particular, applies to the United States, Canada, Australia, United Kingdom and Japan. In particular, neither this Document nor any copy hereof may be taken or transmitted or distributed, directly or indirectly, into the United States or to US Persons (as defined in the U.S. Securities Act of 1933, as amended) unless applicable laws of the United States or certain federal states of the United States provide for applicable exemptions. Any failure to comply with these restrictions may constitute a violation of the laws of any such other jurisdiction. Persons receiving possession of this Document are obliged to inform themselves about any such restrictions and to adhere them. By accepting this Document, the recipient agrees to be bound by the foregoing limitations and to adhere to applicable regulations. Further information may be provided by Erste Group upon request. This Document and information, analysis, comments and conclusions provided herein are copyrighted material. **Erste Group reserves the right to amend any opinion and information provided herein at any time and without prior notice. Erste Group further reserves the right not to update any information provided herein or to cease updates at all.** All information provided in this Document is non-binding. Misprints and printing errors reserved.

If one of the clauses provided for in this disclaimer is found to be illicit, inapplicable or not enforceable, the clause has to be treated separately from other clauses provided for in this disclaimer to the largest extent possible. In any case, the illicit, inapplicable or not enforceable clause shall not affect the licitness, applicability or enforceability of any other clauses.

Erste Group Research

Potential Brexit impact on CEE | CEE Equity Strategy
2Q 2016

Links

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. Erste Group does not accept responsibility whatsoever for any such material, including in particular the completeness and accuracy, nor for any consequences of its use.

Additional notes to readers in the following countries:

Austria: Erste Group Bank AG is registered in the Commercial Register at Commercial Court Vienna under the number FN 33209m. Erste Group Bank AG is authorized and regulated by the European Central Bank (ECB) (Sonnemannstraße 22, D-60314 Frankfurt am Main, Germany) and by the Austrian Financial Market Authority (FMA) (Otto-Wagner Platz 5, A-1090, Vienna, Austria).

Germany: Erste Group Bank AG is authorised for the conduct of investment business in Germany by the Austrian Financial Market Authority (FMA) and subject to limited regulation by the Bundesanstalt für Finanzdienstleistungsaufsicht (BaFin).

United Kingdom: Erste Group Bank AG is regulated for the conduct of investment business in the UK by the Financial Conduct Authority and the Prudential Regulation Authority. This document is directed exclusively to eligible counterparties and professional clients. It is not directed to retail clients. No persons other than an eligible counterparty or a professional client should read or rely on any information in this document. Erste Group Bank AG does not deal for or advise or otherwise offer any investment services to retail clients.

Czech Republic: Česká spořitelna, a.s. is regulated for the conduct of investment activities in Czech Republic by the Czech National Bank (CNB).

Croatia: Erste Bank Croatia is regulated for the conduct of investment activities in Croatia by the Croatian Financial Services Supervisory Agency (HANFA).

Hungary: Erste Bank Hungary ZRT. and Erste Investment Hungary Ltd. are regulated for the conduct of investment activities in Hungary by the Hungarian Financial Supervisory Authority (PSZAF).

Serbia: Erste Group Bank AG is regulated for the conduct of investment activities in Serbia by the Securities Commission of the Republic of Serbia (SCRS).

Romania: Banka Comerciala Romana is regulated for the conduct of investment activities in Romania by the Romanian National Securities Commission (CNVM).

Poland: Erste Securities Polska S.A. is regulated for the conduct of investment activities in Poland by the Polish Financial Supervision Authority (PFSA). **Slovakia:** Slovenská sporiteľňa, a.s. is regulated for the conduct of investment activities in Slovakia by the National Bank of Slovakia (NBS).

Turkey: Erste Securities İstanbul Menkul Değerler A.Ş. is regulated for the conduct of investment activities in Turkey by the Capital Markets Board of Turkey. As required by the Capital Markets Board of Turkey, investment information, comments and recommendations stated here, are not within the scope of investment advisory activity. Investment advisory service is provided in accordance with a contract of engagement on investment advisory concluded between brokerage houses, portfolio management companies, non-deposit banks and clients. Comments and recommendations stated here rely on the individual opinions of the ones providing these comments and recommendations. These opinions may not fit to your financial status, risk and return preferences. For this reason, to make an investment decision by relying solely to this information stated here may not bring about outcomes that fit your expectations.

Switzerland: This research report does not constitute a prospectus or similar communication in connection with an offering or listing of securities as defined in Articles 652a, 752 and 1156 of the Swiss Code of Obligation and the listing rules of the SWX Swiss Exchange.

Hong Kong: This document may only be received in Hong Kong by 'professional investors' within the meaning of Schedule 1 of the Securities and Futures Ordinance (Cap.571) of Hong Kong and any rules made there under.

© Erste Group Bank AG 2016. All rights reserved.

Published by:

Erste Group Bank AG Group Research
A-1100 Vienna, Austria, Am Belvedere 1
Head Office: Wien
Commercial Register No: FN 33209m
Commercial Court of Vienna
Erste Group Homepage: www.erstegroup.com