

Czechia | Macro Outlook

Surprisingly positive growth in 1H22
Another interest rate hike is less likely
Yield curve affected by market expectations
The koruna remains stable

Economy (%)	2022e	2023e	2024e
GDP (real, y/y)	2.3	0.9	3.7
Unempl. Rate	2.6	3.3	3.4
CPI (y/y)	15.8	7.0	2.1
Retail Sales (y/y)	-2.1	-0.3	3.7
Ind. Prod. (y/y)	0.6	0.2	3.8
Public Debt/GDP	43.3	44.0	44.6

Source: Erste Group Research

Market	Spot	22Q4	23Q1	23Q2
EUR/CZK	24.50	24.50	24.36	24.29
USD/CZK	24.31	23.33	22.98	22.28
Target Rate (%)	7.00	7.00	6.00	5.25
3M Rate (%)	7.26	7.07	6.04	5.27
2Y Bond (%)*	5.86	5.23	4.43	3.82
5Y Bond (%)*	4.99	5.14	4.87	4.57
10Y Bond (%)*	4.47	4.37	4.16	3.89

Source: FactSet, Erste Group Research

Rating	Current	Outlook				
Moodys	Aa3	stable				
S&P	AA-	stable				
Fitch	AA-	neg				
Source: Erste Group Research						

General	2022
Population mn	10.5
GDP/Capita EUR	26,198
Source: Erste Group Research	

Spot Rates as of:

12th Sep. 2022

All Research on Czechia:

erstegroup.com/research

Analysts:

David Navratil

DNavratil@csas.cz +420 956 765 439

Jiri Polansky

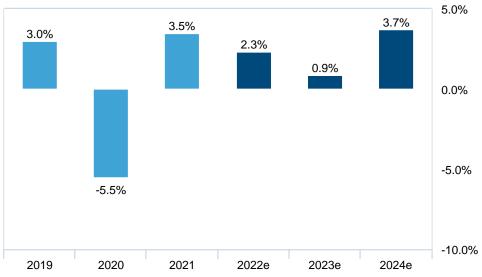
JPolansky@csas.cz +420 956 765 192

Note:

*Information on past performance is not a reliable indicator for future performance. Forecasts are not a reliable indicator for future performance. In the rest of this year, the development of the Czech economy will probably worsen, due to both lower domestic as well as foreign demand. In this respect, we expect a mild recession, but both-sided uncertainty remains high, due to external factors. Although a slight increase in the unemployment rate is expected, the labor market worsening during this year goes mainly through decreasing real wages affected by high inflation. Next year, economic recovery should take place, which will also be supported by a gradual reduction in inflation, improved foreign demand and lowering the CNB rates.

We expect the CNB to keep rates stable until the beginning of the next year. However, the probability of an earlier cut (e.g. November) has been increasing, mainly due to the recent shift of the MP horizon, the lower than expected August inflation figure, price caps on electricity and gas and the expected economic worsening. The koruna has been relatively stable, and we expect such a development to continue in the coming months. The koruna could start appreciating again in the next year, although its pace will probably be mild, in our view.

GDP (real,y/y)



Source: Erste Group Research



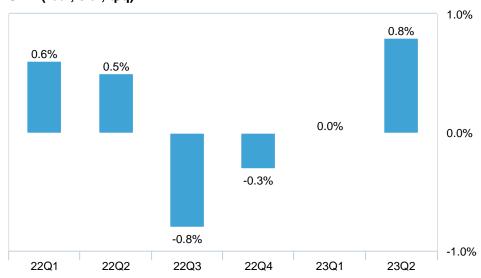
GDP

Surprisingly positive growth in 1H22

GDP growth in the first half of this year was surprisingly strong, as the Czech economy reached positive q/q growth in both quarters, and thus showed resistance to adverse external shocks. Investments, both fixed and inventory, contributed significantly to this. However, we see the current inventory stocks as too high, and thus their deaccumulation could slow down GDP growth in the coming years. In 1H22, GDP growth was negatively influenced by net exports, mainly due to supply-side problems in the automotive sector and relatively high domestic demand positively affecting imports.

Given the surprisingly favorable development in 1H22, we expect GDP growth to be slightly above 2% in 2022. The expected deterioration of economic development in the next few quarters will thus become more pronounced in the data for 2023, when GDP growth may remain slightly below 1%. Uncertainty remains high, especially as external factors will be key. In our view, a recovery could already take place during the next year, and GDP could thus grow by almost 4% in 2024, mainly due to the improved investments and foreign trade. Household consumption is likely to recover more slowly.

GDP (real, s.a., q/q)



Source: Erste Group Research

Annual	2020	2021	2022e	2023e	2024e
GDP real	-5.5%	3.5%	2.3%	0.9%	3.7%
CPI (y/y)	3.2%	3.8%	15.8%	7.0%	2.1%
Private Consumption	-7.4%	4.0%	0.8%	0.3%	2.9%

Source: Erste Group Research



Inflation

Pro-inflationary effects of demand are already weakening

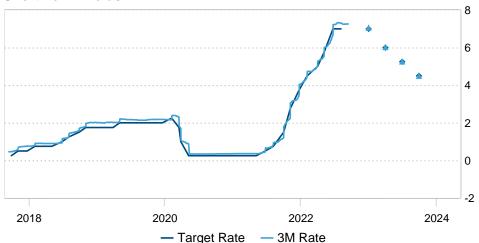
Although annual inflation unexpectedly slowed down in August, we expect it to strengthen in the 3Q/4Q turn with a peak around 19%, mainly due to a further rise in energy prices and partly also in food prices. In contrast, the proinflationary effects of demand are already weakening. From this year's peak, inflation should gradually return to the inflation target, which will take a little over a year. On September 12, the government approved caps on electricity and gas prices. This could contribute to a relatively quick slowdown of inflation over the next year.

Monetary Policy

Another interest rate hike is less likely

As the most likely scenario, we expect stability of policy rates until February, followed by a relatively quick policy loosening, due to a gradual return of inflation towards the target. Risks are both-sided. On one hand, we still cannot rule out a hike, although the probability of such a move is decreasing considerably, in our view. On the other hand, and much more importantly, the CNB could cut rates already this year (e.g. in November), which could be a consequence of the economic worsening, recent shift of the MP horizon or current inflation figures, which are below the CNB forecast.

Short Term Yields



Source: FactSet, Erste Group Research

Market (%)	Spot	22Q4	23Q1	23Q2	23Q3
Target Rate	7.00	7.00	6.00	5.25	4.50
3M Rate	7.26	7.07	6.04	5.27	4.51

Source: FactSet, Erste Group Research



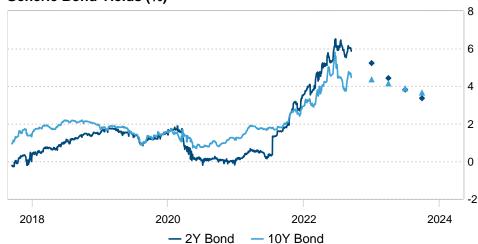
Bond Yields

Yield curve affected by market expectations

The yield curve remains relatively high, and its slope continues to be negative. This is influenced by high CNB rates, which are more pronounced at the short end of the curve, while the longer end is more affected by low rates in the Eurozone. According to our estimates, the curve is now higher compared to the economic fundamentals, which is probably also influenced by market expectations, which suppose a further increase in CNB rates and then a longer period of their stability.

For the rest of this and the next two years, we expect a gradual downward movement in the yield curve and its flattening. If the CNB does not raise rates this year and starts to announce their first rate cut to come, the market will relatively quickly adjust its expectations downwards. In the next two years, the curve will be pulled down by falling CNB rates and lower emission activity of the government. Rising rates in the Euro Area will act in the opposite direction.

Generic Bond Yields (%)



Source: FactSet, Erste Group Research

Market	Spot	22Q4	23Q1	23Q2	23Q3
2Y Bond*	5.86	5.23	4.43	3.82	3.36
5Y Bond*	4.99	5.14	4.87	4.57	4.30
10Y Bond*	4.47	4.37	4.16	3.89	3.67

Source: FactSet, Erste Group Research

Note:

^{*}Information on past performance is not a reliable indicator for future performance. Forecasts are not a reliable indicator for future performance.



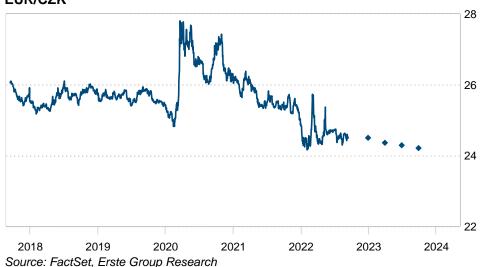
Czech Koruna

The koruna remains stable

The koruna remains relatively stable, due to a slight calming down of sentiment in the markets and the CNB's readiness to use FX interventions to prevent significant fluctuations in the koruna. We do not expect the koruna to move much in the coming weeks, as the CNB will probably not allow it to weaken; however, it is also not likely that there would be some reason for a significant strengthening of the koruna, as the CNB will not hike, and the development of the Czech economy will worsen.

For the next two years, we expect only a relatively moderate appreciation of the koruna. On the strengthening side, the koruna will be driven by an improvement in market sentiment (although this is unlikely to happen in the short term) and a renewed convergence of the Czech economy towards more developed European countries. Falling CNB rates will have the opposite effect. The risks are significant and skewed towards a weaker koruna, mainly due to global uncertainties.

EUR/CZK



	Spot	22Q4	23Q1	23Q2	23Q3
EUR/CZK	24.50	24.50	24.36	24.29	24.21
vs. Spot		0%	-0.6%	-0.9%	-1.2%
USD/CZK	24.31	23.33	22.98	22.28	22.01
vs. Spot		-4%	-5.5%	-8.4%	-9.5%

Source: FactSet, Erste Group Research



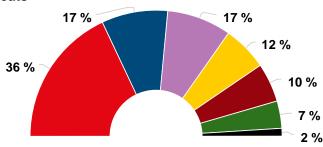
Politics

Relatively strong parliamentary majority

The result of the October parliamentary election meant that five parties formed a government coalition with a (by Czech standards) relatively strong parliamentary majority of 108 seats out of 200. Thus, the risk of political instability should be lower during this election term, although we cannot rule out some tensions, given the recent development with energy prices. The government is center-right and pro-European.

Among its key plans, the new government included budget responsibility after its appointment. As a first step, the planned deficit for this year was decreased, with a further reduction in the coming years. Although the current situation implies higher than expected expenditures, the government still aims for a gradual improvement of public finances in the coming years. From a longer-term perspective, however, an increase in taxation cannot be ruled out, given the high structural deficit.

Parliament Seats





Source: Erste Group Research

Last Election: 2021, October

Next Election: 2025, October

Erste Group Research Czechia | Macro Outlook 13.09.2022



Forecasts

. 0.000010									
Annual	2016	2017	2018	2019	2020	2021	2022e	2023e	2024e
Real GDP growth	2.5	5.3	3.2	3.0	-5.5	3.5	2.3	0.9	3.7
Inflation (CPI, avg)	0.7	2.4	2.2	2.8	3.2	3.8	15.8	7.0	2.1
Unemployment rate (avg)	4.0	2.9	2.3	2.0	2.6	2.9	2.6	3.3	3.4
Retail sales growth	4.7	5.9	5.0	4.8	-0.8	4.2	-2.1	-0.3	3.7
Industrial output growth	3.0	6.7	3.1	-0.4	-6.9	6.2	0.6	0.2	3.8
Private consumption growth	3.7	4.0	3.3	2.6	-7.4	4.0	8.0	0.3	2.9
Fixed capital formation growth	-3.1	5.1	10.0	5.9	-6.0	0.6	4.3	1.2	4.1
Percent of GDP									
Trade balance	3.4	3.1	1.8	2.5	3.2	-0.1	-2.5	1.1	2.0
Current account balance	1.8	1.5	0.4	0.3	2.0	-0.8	-2.8	0.3	1.1
Foreign direct investment	78.0	77.3	76.4	75.5	80.6	80.8	80.0	79.3	n.a.
Budget balance	0.7	1.5	0.9	0.3	-5.8	-5.9	-4.7	-3.7	-2.8
Public debt	36.6	34.2	32.0	30.0	37.6	42.0	43.3	44.0	44.6
External debt, gross	72.9	85.5	80.5	75.0	75.5	76.5	76.1	75.5	n.a.
FX, money market									
USDLCY average	24.44	23.38	21.74	22.93	23.22	21.68	23.38	22.34	20.64
EURLCY average	27.03	26.33	25.65	25.67	26.46	25.64	24.61	24.27	23.88
EURLCY eop	27.02	25.51	25.72	25.42	26.24	24.89	24.50	24.15	23.70
(percent)									
CB policy rate (avg.)	0.05	0.17	1.06	1.92	0.77	0.88	5.95	5.27	3.21
3m interbank offer rate (avg.)	0.29	0.41	1.27	2.12	0.86	1.13	6.26	5.21	3.23
2Y Yield (average)*	-0.31	-0.20	1.06	1.57	0.59	1.59	5.41	3.83	2.53
5Y Yield (average)*	-0.05	0.20	1.48	1.42	0.87	1.85	4.78	4.54	3.71
10Y Yield (average)*	0.44	1.06	2.02	1.61	1.18	1.96	4.25	3.88	3.25
0 5 . 0 5 .									

Source: Erste Group Research

Note:

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

Erste Group Research

Contacts | Macro Outlook 13.09.2022



Contacts

Group Research		Treasury - Erste Bank Vienna	
Head of Group Research		Head of Group Markets	
Friedrich Mostböck, CEFA [®] , CESGA [®]	+43 (0)5 0100 11902	Oswald Huber	+43 (0)5 0100 848901
CEE Macro/Fixed Income Research		Group Markets Retail Sales	
Head CEE: Juraj Kotian (Macro/FI)	+43 (0)5 0100 17357	Group Markets Retail and Agency Business	. 10 (0) 5 0100 01010
Katarina Gumanova (Fixed income)	+43 (0)5 0100 17336	Head: Christian Reiss	+43 (0)5 0100 84012
Katarzyna Rzentarzewska (Fixed income)	+43 (0)5 0100 17356	Group Markets Execution	. 42 (O)E 0400 94222
Croatia/Serbia Head: Alen Kovac (Fixed income)	+385 62 37 1383	Head: Kurt Gerhold Retail & Sparkassen Sales	+43 (0)5 0100 84232
Mate Jelic (Fixed income)	+385 72 37 1443	Head: Uwe Kolar	+43 (0)5 0100 83214
Ivana Rogic (Fixed income)	+385 62 37 2419	Markets Retail Sales AT	+43 (0)3 0100 03214
Czech Republic	1000 02 01 2110	Head: Markus Kaller	+43 (0)5 0100 84239
Head: David Navratil (Fixed income)	+420 956 765 439	Corporate Treasury Product Distribution AT	(0)2 0 00 0 1=00
Jiri Polansky (Fixed Income)	+420 956 765 192	Head: Christian Skopek	+43 (0)5 0100 84146
Michal Skorepa (Fixed income)	+420 956 765 456	Fixed Income Institutional Sales	. ,
Hungary		Group Securities Markets	
Orsolya Nyeste (Fixed Income)	+36 1 268 4428	Head: Thomas Einramhof	+43 (0)5 0100 84432
Janos Nagy (Fixed Income)	+36 1 272 5115	Institutional Distribution Core	
Romania		Head: Jürgen Niemeier	+49 (0)30 8105800 5503
Head: Ciprian Dascalu	+40 3735 10108	Institutional Distribution DACH+	
Eugen Sinca (Fixed income)	+40 3735 10435	Head: Marc Friebertshäuser	+49 (0)711 810400 5540
Dorina Ilasco (Fixed Income)	+40 3735 10436	Bernd Bollhof	+49 (0)30 8105800 5525
Vlad Nicolae Ionita (Fixed Income)	+40 7867 15618	Andreas Goll	+49 (0)711 810400 5561
Slovakia	. 404 0 4000 4407	Mathias Gindele	+49 (0)711 810400 5562
Head: Maria Valachyova, (Fixed income)	+421 2 4862 4185	Ulrich Inhofner	+43 (0)50100 85544
Mater Hornak (Fixed income)	+421 902 213 591	Sven Klesen	+49 (0)711 810400 5541
Major Markets & Credit Research	. 42 (D)E 0400 44000	Rene Klasen	+49 (0)30 8105800 5521
Head: Gudrun Egger, CEFA® Ralf Burchert, CEFA® (Sub-Sovereigns & Agencies)	+43 (0)5 0100 11909	Christopher Lampe-Traupe	+49 (0)30 8105800 5523
Hans Engel (Senior Analyst Global Equities)	+43 (0)5 0100 16314	Karin Rattay Michael Schmotz	+43 (0) 5 0100 84118
Margarita Grushanina (Economist AT, Quant Analyst)	+43 (0)5 0100 19835 +43 (0)5 0100 11957	Klaus Vosseler	+43 (0)5 0100 85542 +49 (0)711 810400 5560
Peter Kaufmann, CFA® (Corporate Bonds)	+43 (0)5 0100 11937	Slovakia	+49 (0)7 11 810400 3300
Stephan Lingnau (Global Equities)	+43 (0)5 0100 11103	Sarlota Sipulova	+421 2 4862 5619
Heiko Langer (Financials & Covered Bonds)	+43 (0)5 0100 85509	Monika Smelikova	+421 2 4862 5629
Bernadett Povazsai-Römhild, CEFA®, CESGA®	+43 (0)5 0100 17203	Institutional Distribution CEE & Insti AM CZ	1 121 2 1002 0020
(Corporate Bonds)	1 10 (0)0 0 100 11 200	Head: Antun Buri?	+385 (0)7237 2439
Carmen Riefler-Kowarsch (Financials & Covered Bonds)	+43 (0)5 0100 19632	Jaromir Malak	+43 (0)50100 84254
Elena Statelov, CIIA® (Corporate Bonds)	+43 (0)5 0100 19641	Czech Republic	(2)22.22.2
Gerald Walek, CFA® (Economist Euro, CHF)	+43 (0)5 0100 16360	Head: Ondrej Cech	+420 2 2499 5577
Rainer Singer (Senior Economist Euro, US)	+43 (0)5 0100 17331	Milan Bartos	+420 2 2499 5562
CEE Equity Research	()	Jan Porvich	+420 2 2499 5566
Head: Henning Eßkuchen	+43 (0)5 0100 19634	Institutional Asset Management Czech Republic	
Daniel Lion, CIIA® (Technology/Industrial	+43 (0)5 0100 17420	Head: Petr Holecek	+420 956 765 453
Goods&Services)		Petra Maderova	+420 956 765 178
Michael Marschallinger, CFA	+43 (0)5 0100 17906	Martin Perina	+420 956 765 106
Nora Nagy (Telecom)	+43 (0)5 0100 17416	Petr Valenta	+420 956 765 140
Thomas Unger, CFA® (Banks, Insurance)	+43 (0)5 0100 16314	Blanka Weinerova	+420 956 765 317
Christoph Schultes, MBA, CIIA® (Real Estate)	+43 (0)5 0100 11523	David Petracek	+420 956 765 809
Vladimira Urbankova, MBA (Pharma)	+43 (0)5 0100 17343	Croatia	
Martina Valenta, MBA	+43 (0)5 0100 11913	Head: Antun Buri?	+385 (0)72 37 2439
Croatia/Serbia		Natalija Zujic	+385 (0)72 37 1638
Head: Mladen Dodig (Equity)	+381 11 22 09 178	Zvonimir Tukac	+385 (0)72 37 17 87
Anto Augustinovic (Equity)	+385 62 37 2833	Hungary	1004 007 0044
Magdalena Basic (Equity)	+385 72 37 1407	Head: Peter Csizmadia	+361 237 8211
Davor Spoljar, CFA® (Equity)	+385 62 37 2825	Gabor Balint Adam Szönyi	+36 1 2378205
Czech Republic Head: Petr Bartek (Equity)	+420 956 765 227	Romania and Bulgaria	+36 1 237 8213
Jan Safranek (Equity)	+420 956 765 218	Head: Octavian Florin Munteanu	+40 746128914
Hungary	T720 300 100 210	Group Fixed Income Securities Markets	T40 /40 120314
Head: Jozsef Miro	+361 235 5131	Head: Goran Hoblaj	43 (0)50100 84403
Andras Nagy (Equity)	+361 235-5132	FISM Flow	70 (0)00 100 0 44 03
Tamas Pletser, CFA® (Equity)	+361 235-5135	Margit Hraschek	+43 (0)5 0100 84117
Poland	.55. 200 0100	Christian Kienesberger	+43 (0) 5 0100 84323
Head: Cezary Bernatek (Equity)	+48 22 257 57 51	Ciprian Mitu	+43 (0)50100 85612
Piotr Bogusz (Equity)	+48 22 257 57 55	Bernd Thaler	+43 (0) 5 0100 84119
Lukasz Janczak (Equity)	+48 22 257 57 54	Zsuzsanna Toth	+36 1 237 8209
Krzysztof Kawa (Equity)	+48 22 257 57 52	Poland	
Jakub Szkopek (Equity)	+48 22 257 57 53	Head: Aleksandar Doric	+43 (0)5 0100 87487
Romania		Pawel Kielek	+48 22 538 6223
Caius Rapanu (Equity)	+40 3735 10441	Michal Jarmakowicz	+43 50100 85611
Editor Research CEE		Group Fixed Income Securities Trading	
Brett Aarons	+420 956 711 014	Head: Goran Hoblaj	43 (0)50100 84403
		Group Equity Trading & Structuring	
		Head: Ronald Nemec	+43 (0)50100 83011
		Business Support	
		Bettina Mahoric	+43 (0)50100 86441
			- (-,

Erste Group Research

Macro Outlook | Disclaimer 13.09.2022



Disclaimer

This publication was prepared by Erste Group Bank AG or any of its consolidated subsidiaries (together with consolidated subsidiaries "Erste Group") 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 banking 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.

Copyright: 2022 Erste Group Bank AG. All rights reserved.

Published By: Erste Group Bank AG Group Research 1100 Wien, Am Belvedere 1 Head Office: Wien

Commercial Register No: FN 33209m

Commercial Court of Vienna

Erste Group Homepage: www.erstegroup.com