OTP Weekly Outlook

otp Global Markets

Next week's spotlight:

• FOMC meeting and PMIs from the USA

PMIs and consumer confidence from the euro area
Banking sector news should be closely monitored
This week:

- US inflation in February was in line with the consensus, however this still means stubborn price pressures 210.95
- The ECB hiked by 50 bips as promised, despite banking fears, but left out further tightening bias
- Financial turmoil in the US banking sector led bond yields down amid very volatile trading when market uncertainty remained very high as woes of Credit Suisse and First Republic cast new waves
 10Y bond yield declined 20-30bps, 2Y yield plunged more than 60bps in w/w as rate hike expectations eased.
- Plunging bank indices weighed on stock market performances, though US equities may end the week in the green after last week's big sell-off.
- The USD remained flat, the yen gained; precious metals jumped as risk-off sentiment prevailed.
- Crude oils dived as uncertainties affect growth outlook.



Next week's spotlight: FOMC meeting and PMIs from the USA; PMIs and consumer confidence index from the euro area

Date*		Cd.	Event/ Data	Period	Cons.	Prev.
2023 3.21.	11:00	DE	ZEW Econom ic Sentin ent points)	Mar	16 .4	28 1
	15:00	US	Existing hom e sales (annualized m onthly, 000s)	Feb	4180	4000
22.	8:00	UK	Inflation (YoY,%)	Feb		10 1
	19:00	US	Interestrate decision (8)	Mar	4.75-5.00	4.5-4.75
23.	13:30	US	Initialjobless claim s (000s)	weekly		192
	13:30	US	Continuing jobless claim s (000s)	weekly		1684
	15 :00	US	New hom e sales (annualized m onthly, 000s)	Feb	640	670
	16 :00	ΕZ	Consum er confidence point)	Mar	-18 2	-19 0
24.	0:30	JP	∞re-CPI≬oY,%)	Feb	31	42
	0:30	JP	CPI(VoY,%)	Feb		43
	10:00	ΕZ	S&P GlobalM anufacturing PM I points)	Mar	49 D	48 5
	10:00	ΕZ	S&PGbbalService PMI points)	Mar	525	52.7
	13 :30	US	Durable goods orders M oM ,%)	Feb	09	-4.5
	14 :45	US	S&P GlobalM anufacturing PM I points)	Mar	47.6	473
	14 :45	US	S&P GlobalService PM I points)	M ar	50 9	50.6

* The time, when most likely market-mover data could come out is indicated in red.



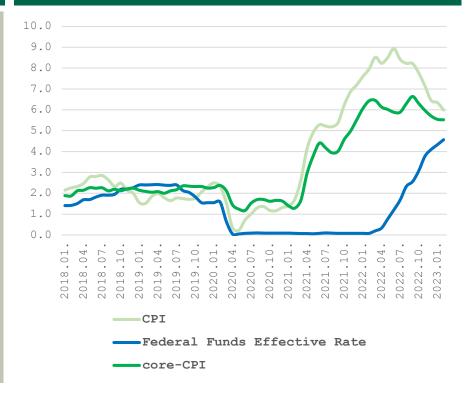
US: Fed's meeting will be in the spotlight

Date		Cd.	Event/Data	Period	Cons.	Prev.
20230321	15:00	US	Existing hom e sales (annualized m onthly, 000s)	Feb	4170	4000
22.	19:00	US	Interest rate decision &)	Mar	4.75–5.0	4 5-4 75
23.	13:30	US	Initial jobless claim s (000s)	weekly		192
	13:30	US	Continuing jobless claim s (000s)	weekly		1684
	15:00	US	New hom e sales (annualized m onthly, 000s)	Feb	638	670
24.	13:30	US	Durable goods orders 🕅 oM , %)	Feb	09	-45
	14:45	US	S&PGlobalManufacturing PMI (points)	Mar	47.6	473
	14 : 45	US	S&PGlobalService PMI (points)	Mar	50 <i>9</i>	50 6

Key highlights

- The market is waiting for the Fed's meeting with bated breath. Interest rate expectations went up and down in recent weeks as the Fed Chair's words in response to incoming macro data, followed by concerns over the prospects for the financial sector, have caused turbulence in the market.
- The market is now pricing 50bps hike this year, 25 bps in March and 25 bps in May, raising the interest rate to 5.0-5.25%, which could fall by 100 bps by the end of the year. The peak is 50bps lower than the market expected after Chair Powell's Senate hearing, but before the financial sector problems erupted.
- There are some voices calling for a rate cut as banks fail one after the other, but in the current inflationary environment it is hard to believe that the Fed's monetary policy will change shortly in this direction.
- The problem of failing financial institutions still does not appear to be systemic risk, but authorities in both the US and Switzerland have acted swiftly to avoid a collapse of confidence in the financial sector. But this story is not over yet.

CPI data & Federal Funds Effective Rate





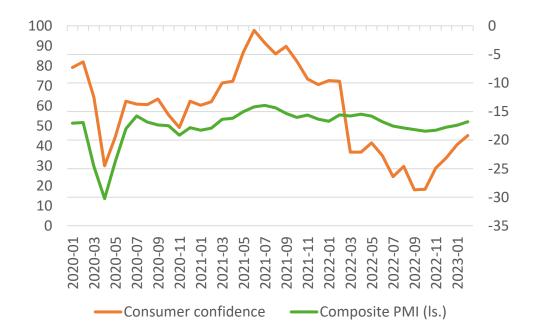
In the spotlight in the euro area: PMIs and consumer confidence

	Date			Cd.	Event/Data	Period	Cons.	Prev.
2023 3.	21.	11	:00	DE	ZEW Econom ic Sentim ent points)	Mar	16.4	28 1
	23.	16	:00	ΕZ	Consum er confidence (point)	Mar	-18 2	-19 0
	24.	10	:00	ΕZ	S&PGlobalManufacturing PMI points)	Mar	49 D	48 5
		10	:00	ΕZ	S&PGbbalService PMI points)	Mar	525	52.7

Key highlights

• Just when investors and analysts finally started to become more relaxed as the euro area composite PMI moved into a clear expansion territory, consumer confidence improved, and January real economy data proved better-than-expected, suddenly everything changed again. Regional banking sector problems in the USA put European banks also under pressure; in particular Credit Suisse has fallen sharply, and everybody is still trying to guess how deep the problems in the European banking sector are beneath the surface. Even if contagion will be limited, banks will surely become much more cautious and tighten credit standards further, implying an even more negative credit impulse than in January-February. However next week's data will quite likely not show this negative mood, but we can bet that PMIs and other confidence indicators will turn for the worse next month.

Euro area PMI and consumer confidence





This week's data: US inflation in February was in line with the consensus, but this still mean stubborn price pressures; the ECB hiked by 50 bips as promised, despite banking fears, but left out further tightening bias

Date*		Cd.	Event/ Data	Period	Fact	Cons.	Prev.
2023 3.14.	13 :30	US	core-CPIMOM,SA,%)	Feb	05	0.4	0.4
	13 :30	US	core-CPI (VoY,%)	Feb	5.5	5.5	5.6
	13:30	US	CPIMoM,SA,%)	Feb	0.4	0.4	05
	13 :30	US	CPI (VoY, %)	Feb	6 D	6 D	6.4
15.	3:00	CN	Industrial production (YoY, %)	Feb	2.4	2.6	13
	3:00	CN	Retailsales (YoY,%)	Feb	35	35	-1,8
	3:00	CN	Infrastructuralspending (YoY,%)	Feb	55	4.4	51
	11:00	ΕZ	Industrial production M oM ,%)	Jan	0.7	05	-1.1
	13:30	US	New York Fed M anufacturing index points)	Mar	-25	-8	-5 B
	13:30	US	Producer Prices (YoY, %)	Feb	4.6	5.4	5.7
	13:30	US	Producer Prices M oM , %)	Feb	-01	03	03
	13:30	US	Retailsales MoM,%)	Feb	-0.4	-0.3	32
	15 :00	US	Business inventories M oM ,%)	Jan	-01	Q. O	03
16.	13:30	US	Building permits (annualized m onthly, 000s)	Feb	1524	1340	1339
	13:30	US	Housing starts (annualized m onthly, 000s)	Feb	1450	1305	1321
	13:30	US	Initialjobless claim s (000s)	weekly	192	205	212
	13:30	US	Continuing jobless claim s (000s)	weekly	1684	1715	1713
	14 :15	ΕZ	Interest rate decision (lending rate, %)	M ar	3.5	3.5	ΩE
	14 :15	ΕZ	Interestrate decision (depositrate, %)	Mar	ЗD	ЗD	25
17.	14 :15	US	Industrial production M oM ,%)	Feb	0.0	02	0.3
	15 :00	US	Leading index M oM ,%)	Feb	-0.3	-0.3	-0.3
	15:00	US	M ichigan Consum er confidence prelim inary, points)	M ar	63.4	67.0	67.0

* The time, when most likely market-mover data could come out is indicated in red.

Key highlights

- US inflation was in line with consensus (YoY), which implied that core inflation remained flat at 5.5%, while the headline index slowed to 6% (from 6.4%) as energy inflation eased. However, these numbers still imply underlying inflation figures of 7-8%. Meanwhile, producer prices were weaker than foreseen.
- The ECB hiked by 50 bips as promised, despite banking fears, but it left out further tightening bias. The European Central Bank has promised to remain data dependent, and also pledged to have the tool to tackle potential liquidity problems. At the press conference it was also stressed that the eurozone banking sector is in a resilient and strong position.
- China's indicators posted a rebound in February, in line with expectations.



Bank crises fears shaped market sentiment in the global capital and money markets this week amid bankruptcy filings in the US and growing concerns on financial meltdowns in the European banking sector. Plunging bank indices weighed on stock market performances, though US equities may end the week in the green after last week's big sell-off. Interest rate hike expectation faded away, bond yields declined after some very turbulent and volatile days. The USD slightly gained; precious metals jumped as risk-off sentiment prevailed. Crude oils and natural gas dived

Indices	Last price	1 week change (%)	YTD (%)	Interest rates	Last price	1 week change (bps)	YTD (bps)	FX rates	Last price	1 week change (%)	YTD (%)	Commodity	Last price	1 week change (%)	YTD (%)
S&P500	3920	15	21	US 2 year	3.96	-63.0	-47.0	Dollarindex	104.157	-0.4	0.0	Brent	72.2	-12,8	-16 .0
Nasdaq Comp.	11628	4.4	11,1	US 10 year	3.41	-29.3	-46.9	EURUSD	1.0639	Q. 0	-0.6	WTI	65.9	-14.0	-17.9
Dow Jones	31868	-01	-3.9	DE 2 year	2.42	-67.6	-33.2	USDJPY	132.07	22	-0.7	NatGas (TTF, front-m onth)	42,8	-19.0	-422
Russel2000	1731	-2.3	-1.7	DE 10 Year	2.09	-41.7	-47.7	GBPUSD	1,2153	1.0	6. 0	Gold	1958.6	4.8	7.4
Stoxx 600	436	-4.0	25	FR 10 year	2.67	-34.7	-44.3	AUDUSD	0.6686	1.6	-1.9	Silver	22.2	81	-73
DAX	14731	-4.5	5.8	SP 10 year	321	-33,5	-44.4	USDCAD	1.3751	0.6	-1.4	Palladium	1393.3	0.7	-22.3
CAC40	6916	-4.2	6.8	IT 10 year	4.02	-29.5	-68 D	USDCHF	0.9272	-0.7	-0.3	Copper	390 1	-3.6	2.4
FTSE100	7322	-5.5	-1.7	UK 10 year	324	-40.1	-42.9	NZDUSD	0.6254	2.0	-15	Steel	1056.0	-0.4	41.9
FTSE M B	25422	-6.8	72	CH 10 year	0.90	-43.8	-68 .	CNHUSD	6.8902	0.7	0.5	W heat	7013	52	-11.5
Nikkei225	27334	-2.9	4.7	JP 10 year	0 28	-11.6	-13.0	USDTRY	19.008	-0.2	-1.6	Com	630.5	1.0	-71
CSI300	3958.8	-0.2	23	CN 10 year	2.85	-21	23	USDBRL	5,2775	-12	01	Electricity (APX)*	110 9	-21	511.5
Source:Bloom be	rg													*In EUF	R∕M₩h



Key highlights: Bank crises fears shaped market sentiment in the global capital and money markets this week amid bankruptcy filings in the US and growing concerns on financial meltdowns in the European banking sector. Plunging bank indices weighed on stock market performances, though US equities may end the week in the green after last week's big sell-off. Interest rate hike expectation faded away, bond yields declined after some very turbulent and volatile days. The USD slightly gained, precious metals jumped as risk-off sentiment prevailed.

• After last Friday's turmoil in the US markets amid the financial meltdown of SVB, one of the largest lender in the Silicon Valley, US banking sector's woes shed lights on the vulnerability of banks in a time when interest rate hikes are crucial to tame inflation but rates surging high too fast may cause liquidity problems at banks. Uncertainty is still very high that resulted in wide swings in the bond and the equity markets this week. In this environment, interest rate hike expectations steadily faded away and risk-off sentiment weighed on with **US 2Y yields** plunging 63bps and **German 2Y yields** falling 68bps on Monday. **10Y yields** also started the week with steep decline, and after some very volatile trading days 10Y Treasury yields are set to fall 29bps w/w and 10Y Bund yields are in for 42bps weekly drop. As interest rate hike expectations eased, investor foresee less rate hikes than previous forecast, and the Fed is highly expected to address the recent market turbulence at its forthcoming meeting next week.

• In the currency market, the USD and the Japanese yen benefited from its resort status with the yen gaining more than 2%, while the USD appreciation was limited by the ECB recent 50bp rate hike. The precious metals also rallied with gold gaining almost 5% and silver climbing near 8% w/w.

• European equities underperformed their US peers this week, as bank sector woes hit them only this week, while US equities already suffered huge losses last Friday. What's more, one of the biggest European banking groups, the Credit Suisse was also hit by the liquidity crisis, similarly to that, that made SVB and two other US regional banks to wind down their operation last week. Though the Swiss National Bank intervened and gave a helping hand to Credit Suisse, the huge uncertainty in the markets still linger resulting in big volatility. The Stoxx600 Europe is in for 4% weekly loss with its banking sector subindex plunging 12% w/w. The FTSE100 is on track of 5.5% weekly loss, the DAX is set to drop more than 4% this week. Financials-heavy FTSE/MIB and IBEX may plunge near 7% w/w. US equities are maybe over the worst and the S&P500 and the Nasdaq Composite are heading for some weekly gains, but the US Bank Index dived and lost 14% this week as the First Republic's latest woes cast new waves. In terms of sector performances, apart from financials (banks, financial services, insurance) energy and basic resources declined the most as uncertainties in the bank sector may undermine earlier growth outlook. In Europe, only food & beverages may end this week in the green with meagre gains, while in the US telco and IT are expected to close the week with considerable pluses. Ironically, cryptos rallied this week with Bitcoin and Ether jumping more than 30 and 20%, respectively thus raising their YTD performance to zero.

• Crude oil prices declined 13-14% this week amid the global banking turmoil that stoked fears of broader weakness in the world economy. The TTF natural gas prices fell 19% to 42 EUR/MWh on forecasts for mild weather, prospects of robust wind power and sufficient gas inventories.



1week

change (%)

YTD (%)

Stock market and sector performance

Sector

Performance of US sectors										
Sector	Last price	1week change (%)	YTD (%)							
S&P500	3920	15	21							
Π	2501	5.6	15.1							
Health care	1469	1.7	-7,4							
Financials	513	-6 D	-99							
Telco	18 3	71	14 8							
Consum erdiscretionary	1095	21	89							
Industrials	8 14	-2.6	-21							
Consum er staples	749	11	-3.8							
Utilities	337	3.7	Q 3-							
Energy	585	-6 9	-12,9							
Realestate	228	10	-1.7							
Materials	475	-3.4	-3 D							
Key US	Tech companies									
Company	Last price	1 week change (%)	YTD (%)							
Alphabet	102	12.2	15 2							

Am azon

Apple

Meta

Tesla

M icrosoft

98

155 199

281

180

8.3

4.5

11,1

13.0

3.5

16,9

19.4

65.7

17.1

45.7

	Ũ		
Stoxx 600	436	-4 D	25
Health care	980	-01	-1.7
Industrialgoods & services	677	-3.6	6.4
Banks	140	-12,1	-0.2
Personal& households goods	10 32	-21	75
Insurance	303	-9 D	-49
Food and beverages	770	05	33
Technology	657	-0 2	13.7
Utilities	362	-11	0.7
Oil& gas	322	-10 1	-6.7
Chem izals	1159	-3 D	15
Construction & m aterials	568	-41	11,5
Telco	209	-29	10.3
Retail	339	-4.8	13 0
Financialservices	560	-7.D	-0.7
Basic resources	561	-7,8	-10.4
Realestate	112	-3.4	-4.7
Auto & parts	591	-7.D	12 D
Media	354	-1.8	82
Travel& leisure	222	-3.7	12,5

Performance of Europe's sectors

Last price



Summary of regional stock markets' performance

	Name		Ρ	erformance	•		Va	luation**			Fundamentals			
Country	Index	Last Price	1M change (%)	3M change (%)	6M change (%)	12M change (%)	P/ E*	P/ B	P/ S	ROE (%)	Current Ratio	Debt to equity (%)	Change in EPS growth in the last 4 week (%)	Change in EPS growth in the last 3 month (%)
													1.264075	
Europe	SXXP Index	436	-6 2	25	6.6	-3.4	13,5	19	13	12,1	12	156 2	0.5	01
Germ any	DAX Index	14731	-4.9	5.9	15.5	23	12.0	1.5	ھ 0	11,4	11	109.3	73.2	3.8
France	CAC Index	6916	-5.9	71	13.7	4.5	12.4	1.8	11	12.0	11	. 181,0	6.4	-52
Poland	W IG20 Index	1683	-9.6	-3.4	12.0	-20 9	5.9	1.0	0.0	16 9		52.5	-19	-25,9
Czechia	PX Index	1315	-6 D	12.7	7.8	01	82	1.0	1.0	11.7		154 .0	23	-13.7
Hungary	BUX Index	40982	-10.4	-9.3	21	-8.3	4.8	8.0	0.5	15.7		51,9	2351	-20 &
Romania	BET Index	12242	-0 .6	23	42	-19	4.6	11	0.9	22.6		59.8	-691	-52.1
Bulgaria	SOFX Index	609	02	12	& 0	2.0	63	8.0	0.4	12.6		50 2		
Russia	MOEX Index	2320	7.0	8.8	-4.7	-61	2.8	0.6	0.5	16 9	13	67.7	-52	-18.8
Ukraine	PFTS Index	507	Q 0	-2,3	-2.3	-2.3								
Slovenia	SBIIOP Index	1175	-1.5	10.6	91	21	6.8	0.9	0.5	16.1		33.8		
Croatia	CRO Index	2231	3.7	15.2	12.5	93	6641	58 . 9	491	10 1	1.6	32.7	2.4	1222.1
Serbia	BELEX15 Index	898	2.5	10 9	6.0	10 .4	460.9	643	451	13,9	1.8	17.0	Q 0	-67.0
Monteneg <i>r</i> o	MNSE10 Index	10 32	-0.3	7.0	24 1	32.5	12.8	0.3	0.7	0.7	22	6.6		

*Price to earnings (P/E) ratio is calculated with the 12M trailing EPS in the denominator.

**Some of the country indices could be sector heavy (only a handful industry comprise the majority of the indices),

**therefore direct comparison of valuation metrics alone could be misleading.



FX outlook

FX pair	2021.Q4	2022.Q1	2022.Q2	2022.Q3	2022.Q4	2023.Q4	2024.Q4
EURUSD	1.14	1.12	1.06	101	1.0	1,11	1.14
EURGBP	0.84	0.83	0.85	0.85	8& 0	0.9	0.89
EURCHF	1.06	1.05	1.03	0.97	0.98	1.01	1.05
USDJPY	130	129 5	136	136	144.5	139	136

Source: Bloomberg

Country	FX pair	2022.Q3	2022.Q4	2023.Q1	2023.Q2	2023.Q3	2023.Q4	2024.Q1	2024.Q2	2024.Q3
Hungary	EURHUF (eop)	423	400	395	394	393	394			
Rom an ia	EURRON (eop)	4.95	4.95	4.96	5.01	503	5.01	51	5,11	5.12
Russia	USDRUB (eop)	611	73	69.5	71.9	74.2	76.6	77.8	77.2	78.7
Ukraine	USDUAH (eop)	36.9	36.9	38.7	39.4	415	42.5	44.2	44.5	431
Serbia	EURRSD (eop)	117	117	117	117	118	118	117	117	117

No forecast available for Moldova and Albania

Source: Focus Econom ics



			GDP (yoy, %	9	
Countries		O	TP	Focus Ec	onomics
	2021	2022	2023	2022	2023
Hungary	71	4.6	0.6	4.6	01
Rom an ia	59	48	2.8	4.4	23
Bulgaria	7.6	31	1.4	3.3	12
Russia	5.6	-21	05	-21	-2.2
Ukraine	3.4	-30.4	2.6	-31.8	2.5
Slovenia	82	5.4	15	5.4	1.0
Croatia	13.1	63	1.6	61	1.0
Serbia	75	23	1.6	2.3	2.0
Montenegro	13.0	5.7	23	6.0	2.5
Albania	8.5	42	29	3.6	23
Moldova	13.9	-6.9	-15	-2.9	1.4

Macro outlook in the region

		Fiscal balance (%of GDP)								
Countries		O.	TP	Focus Ec	onomics					
	2021	2022	2023	2022	2023					
Hungary	-71	-6. 6	-39	-59	-4.2					
Rom an ia	-7.1	-6.0	-5.D	-62	-5.0					
Bulgaria	-39	-3.4	-3.4	-3.3	-3.4					
Russia	0.4	-23	-3.8	-2.0	-3.0					
Ukraine	-3.5	-25.0	-15.0	-21.6	-19.0					
Slovenia	-4.7	-23	-4.6	-3.5	-4.3					
Croatia	-2.6	-1.0	-2.0	-1.8	-2.4					
Serbia	-4.1	-3.3	-3.3	-3.3	-2.8					
Montenegro	-21	-4.3	-5.1	-5.3	-4.9					
Albania	-4.5	-2.2	-3.D	-3.5	-32					
M oldova	-2.6	-5.0	-4.0	-49	-52					

		Inflatio	n (average	(yoy), %)	
Countries		O.	TP	Focus Ec	conomics
	2021	2022	2023	2022	2023
Hungary	51	14.5	19.0	14.6	17.6
Romania	5.0	13.7	10.3	13.7	10.4
Bulgaria	3.3	15.3	10.7	15.3	9.7
Russia	6.7	13.8	52	13.8	6.4
Ukraine	3.3	15.3	10.7	20.2	19.5
Slovenia	2.0	93	62	93	6.7
Croatia	2.6	10.7	6.8	10 8	72
Serbia	4.0	11.9	11,5	12.0	10.6
Montenegro	2.4	13.0	8.8	13.0	7.6
Albania	2.0	6.7	5.3	6.7	4.4
Moldova	5.3	28.6	13.6	28.7	12.2

	Unemployment (%)					
Countries		O.	TP	Focus Economics		
	2021	2022	2023	2022	2023	
Hungary	41	3.6	41	3.6	42	
Rom an ia	5.6	5.6	5.8	5.6	5.6	
Bulgaria	53	4.3	5.0	4.3	4.6	
Russia	4.8	3.9	4.0	3.9	4.3	
Ukraine	10.6	35.0	27.6	26.6	22.4	
Slovenia	4.8	42	4.4	42	4.3	
Croatia	7.6	7.0	7.0	6.6	6.7	
Serbia	10 2	9.4	10 0	9.7	9.7	
Montenegro	16.7	152	16.3	15.2	15.6	
Albania	12.0	10.3	9.8	10 8	10.5	
M oldova	39	35	43	3.0	3.6	

Source: Focus Econom ics, OTP Research Center

Order Global Markets



Global Markets Team

Individual Investment Sales Desk

	Csaba			
sigmond Csillag	Szemán	Pál András		Tamás Szabó
Head of Department	Deputy Head of	Saághy	Botond Varga	+36 1 288 7512
+36 1 288 7556	Department	+36 1 288 7553	+36 1 288 7552	Tamas.Szabo.1@otpban
igmond.csillag@otpban	+36 1 288 7554	Pal.Andras.Saaghy@otpba	Botond.Varga@otpbank.hu	hu
<u>k.hu</u>	Csaba.Szeman@otpbank	<u>nk.hu</u>		
	<u>.hu</u>			
		Qénden Andrési		
Frigyes Soós	Ottó Izbéki	Sándor Andrási	Bálint Torda	Balázs Péntek
	+36 1 288 7521	+36 1 288 7559		
+36 1 288 7571			+36 1 288 7562	+36 1 288 7577
+36 1 288 7571 <u>SoosF@otpbank.hu</u>	otto.izbeki@otpbank.	Sandor.Andrasi@otpbank.	+36 1 288 /562 Balint.Torda@otpbank.hu	+36 I 288 /5// balazs.pentek@otpbank.h



Institutional Sales Desk

Attila Preisz Head of Department +36 1 288 7526 Attila.Preisz@otpbank. hu Zoltán Ballai Deputy Head of Department +36 1 298 4945 Zoltan.Ballai@otpbank.h u

Kitti Palásthy +36 1 288 7574 <u>Kitti.Palasthy@otpbank</u> <u>.hu</u>

Péter Nagy +36 1 298 7551 Peter.Nagy.4@otpbank.hu

Markets Corporate Sales Desk

János Imrei Head of Department

+36 1 288 7544

Janos.Imrei@otpbank.hu

Orsolya Edit Kovács-Gyimóti Deputy Head of Department +36 1 288 7542

KovacsGyE@otpbank.hu

Péter Huck OTP Trader +36 1 288 7543 Peter.Huck.2@otpbank.h <u>u</u> Borbála André +36 1 288 7541 Borbala.Sarolta.Andre@otp bank.hu Nóra Ilona Gordos +36 1 288 7549 Nora.Ilona.Gordos@otpba nk.hu

Fodor István +36 1 288 7555 Istvan.Fodor.l@otpbank _.hu



Disclaimer

- 1. The statements in this document shall not be considered as an objective or independent explanation of the matters. Please note that this document (a) has not been prepared in accordance with legal requirements designed to promote the independence of investment research, and (b) is not subject to any prohibition on dealing ahead of the dissemination or publication of investment research.
- 2. This communication does not contain a comprehensive analysis of the described issues. No part, chapter, or the entirety of this information shall be considered as investment recommendation, an offer or solicitation for the purchase or sale of any financial instrument, inducement to invest, financial or investment analysis, investment research or marketing communication, not even if any part of this document contains a description of a certain financial instrument in terms of its possible price or yield development, and the related investment options; the data herein are for informational purposes only. This document shall not be considered as investment recommendation falling under Directive 596/2014/EU of the European Parliament and of the Council. This document does not take into account investors' individual interests, circumstances, or objectives; therefore, in the absence of personal recommendation, it shall not be considered as investment available to its clients or to the public, or to make it accessible to other persons in such a way that allows this document to be disseminated to the public.
- 3. Information herein reflects the market situation at the time of writing. However, it provides only momentary information and may change as market conditions and circumstances develop. You may request more information from OTP Bank. Although the information in this document has been prepared in good faith from sources that OTP Bank believes to be reliable, we do not represent or warrant its accuracy or completeness. This document was prepared using data, facts and information from the following essential sources: Bloomberg, Reuters, KSH (Hungarian Central Statistical Office), Eurostat, Magyar Nemzeti Bank (Hungary's central bank) ÁKK (Hungary's Government Debt Management Agency), and European Central Bank (ECB). The opinions and estimates in this document are based on the opinion of OTP Research's analyst(s) at the time when the document was prepared, and they may be subject to change at any time in the future without further notice. You may receive different recommendation from the staff of OTP Bank, in particular if you are provided investment advice based on an investment advice agreement.
- 4. This publication contains generic presentation of information and knowledge, thus it does not take into account the individual clients' unique and special interests, financial condition, or their ability and willingness to take risks. Therefore please contact our staff or contact your banking consultant for advice before you make an investment decision. The assessment and the consideration of the individual circumstances is provided by the suitability and appropriateness tests that assess clients' financial knowledge, experience, risk-taking abilities, as well as the examination of the target market.
- 5. Before making an informed decision to invest and to use the services, please carefully read through all documents, including the documentation, prospectus, regulations, terms and conditions, announcements and key information documents for that product/service, and carefully consider the subject, the risk, the fees and costs of your investment, the possibility of any loss, and seek information about the tax regulations regarding the product and the investment. The prices of financial instruments and securities are changing, outright sales are realized at then current market prices, which may involve losses. The information and opinions in this document do not substitute or take the place of the issuance documentation for the given financial assets (e.g. prospectus, fund management rules), or their brochures or announcements.
- 6. You assume total responsibility and risk for any specific decision or investment; OTP Bank shall not be held responsible for the effectiveness of investment decisions or for reaching your purpose, nor for the individual investment decision made based on this document or any part thereof, or for their consequences.
- 7. Investments in financial instruments carry a certain degree of risk, which may affect the effectiveness of the investment decision, and investors may not receive the whole amount they expected the investment to yield in their investment targets; they may not preserve even the invested amount, therefore the invested capital might even decrease, be wholly lost, or even lead to additional payment obligation.
- 8. Trading with leveraged products (such as foreign exchange contracts) or with shares and indices that have underlying products carries a considerable amount of risk, and these products are not suitable for all investors. Trading with leveraged products carries the risk of losing all capital, and it may incur losses that exceed the amount invested.
- 9. The figures and information described herein refer to yields or changes in the past. Past performance is not a reliable indicator of future yields, changes, or performance. The changes on money and capital markets, the fluctuation of prices, the development of investments and their yields are influenced by the combined effect of multiple factors; one important factor of them is the change in investors' expectations. The development of prices, the future yield of financial assets, indices or indicators, the examination of their changes, trends, and future performance is based on estimations and forecasts, which forecasts do not allow reliable conclusions to be drawn about the future moves of prices, real future yields, changes, or performance. For each product and service, please assess their tax accounting implications, and other tax consequences, taking into account that they cannot be precisely assessed without knowing the effective tax regulations or the client's individual circumstances; and these legislative provisions as well as the circumstances may change over time.
- 10. This document shall not be a basis for any further analysis in relation to the financial instruments contained therein. Any reference in this document to the future distribution of a financial instrument shall be construed as indicative, preliminary and informative, and any analysis of such financial instrument is exclusively based on publicly available information listed in the respective prospectus or announcement. The content of this document shall not imply that OTP Bank acts as an agent, a fiduciary, or an advisor to, or on behalf on, any prospective purchaser of the financial instruments discussed herein.
- 11.For certain persons, access to the products and/or services discussed in this document may not be granted, or it may be limited. The act of preparing this document by OTP Bank, its uploading to the website, its publication may under no circumstances be considered as OTP Bank's intention to make available the product and/or service information in the prospectus to persons whom any country or state prohibits from having or obtaining the given product and/or service, including the promotion and the advertisement thereof.



- 12. OTP Bank maintains a conflict of interest policy and it keeps such records, and it also has requirements that regulate the transmission of bank secrets and securities secrets, which requirements shall be considered as the effective internal organizational and management solutions as well as information barriers to prevent or manage conflicts of interest.
- 13.0TP Bank has developed appropriate internal procedures for (i) the personal transactions and trading of financial analysts and other relevant persons, (ii) the physical separation of the financial analysts involved in the production of investment research and other relevant persons; moreover, information barriers have been implemented, (iii) for accepting and managing incentives and remuneration.
- 14.Please be informed that OTP Bank is entitled to deal or trade as market maker, acting in good faith and in accordance with the usual way of market-making, with the financial instruments distributed by the issuer(s) specified in this document, as well as to provide other investment activities or ancillary (investment) services, and/or other financial or ancillary financial services to the issuer and other persons.
- 15. Previous documents on investing in this asset or product are available on the website of OTP Research:
- 16.0TP Bank (company registration number: 01-10-041-585; registered seat: Nádor utca 16., Budapest H-1051, Hungary. Supervisory authority: Magyar Nemzeti Bank (National Bank of Hungary - H-1054 Budapest, Szabadság tér 9); financial customer services: H-1013 Budapest, Krisztina krt. 39. PSZÁF licence numbers: III/41.003-22/2002 and E-III/456/2008; further information: https://www.otpbank.hu/portal/hu/Megtakaritas/Ertekpapir/MIFID).
- 17.All rights reserved. This document is solely owned by OTP Bank. No part of this material can be reproduced, re-used, disseminated, made available, re-published, referenced to, or inserted in other websites or services without the prior written consent of OTP Bank.
- 18.If you received this document from OTP Bank Plc, then it was sent to you with your previous consent. You may withdraw this permission by sending an e-mail to research@otpbank.hu or by writing a letter to 'Research Center', Hungary H-1051, Budapest, Nádor utca 21. Please refer to your name and e-mail address in both cases.
- 19.Data management registration number: NAIH-89457/2015
- 20. The personal data in this investment research are processed by OTP Bank. The legal basis for processing the data is the legitimate interest of OTP Bank. The detailed information about the processing of personal data and the related rights of data subjects is available.

This document was prepared on 20 March, 2023.

Disclaimer for OTP Bank Romania S.A. customers

OTP Bank Romania S.A. does not intend to present this document as an objective or independent explanation of the matters contained therein. This document a) has not been prepared in accordance with legal requirements designed to promote the independence of investment research, and b) is not subject to any prohibition on dealing ahead of the dissemination of investment research.

This communication does not contain a comprehensive analysis of the described issues. This report is issued for information purposes only and should not be interpreted as a suggestion, an invitation or an offer to enter into any transaction, as an investment advice, and it does not constitute legal, tax or accounting advice. Also it is not and should not be considered a recommendation for investment in financial instruments according to NSC Regulations no. 32/2006 and 15/2006.

Information herein reflects current market practices. Additional information may be available on request. This document is intended only for the direct and sole use of the selected customers of OTP Bank Romania S.A. Any form of reproduction or redistribution to any other person that the intended recipients, including publication in whole or in part for any purpose, must not be made without the express written agreement of OTP Bank Romania S.A. Although the information in this document has been prepared in good faith from sources which OTP Bank Romania S.A. believes to be reliable, we do not represent or warrant its accuracy and such information may be incomplete or condensed. The issuer of this report does not claim that the information presented herein is perfectly accurate or complete. However it is based on sources available to the public and widely believed to be reliable. Also the opinions and estimates presented herein reflect a professional subjective judgment at the original date of publication and are therefore subject to change thereafter without notice. Furthermore there can be no guarantees that any market developments will unfold as forecasted. Opinions and estimates constitute our judgment and are subject to change without notice.

OTP Bank Romania S.A. may have issued reports that are different or inconsistent with the information expressed within this report and is under no obligation to update or keep current the information contained herein.

OTP Bank Romania S.A. may hold a position or act as market maker in the financial instrument of any issuer discussed herein or act as advisor or lender to such issuer. This document is not intended to provide the basis for any evaluation of the financial instruments discussed herein. In particular, information in this document regarding any issue of new financial instruments should be regarded as indicative, preliminary and for illustrative purposes only, and evaluation of any such financial instruments should be made solely on the basis of information contained in the relevant offering circular and pricing supplement when available. OTP Bank Romania S.A. does not act as a fiduciary for or an advisor to any prospective purchaser of the financial instruments discussed herein and is not responsible for determining the legality or suitability of an investment in the financial instruments by any prospective purchaser.



This report is not intended to influence in any way or to be considered a substitute to research and advice centred on the specific investment objectives and constraints of the recipient (including tax concerns) therefore investors should obtain individual financial advice. Before purchasing or selling financial instruments or engaging investment services, please examine the prospectuses, regulations, terms, agreements, notices, fee letters, and any other relevant documents regarding financial instruments or investment services described herein in order to be capable of making a well-advised investment decision. Please refer to your competent adviser for advice on the risks, fees, taxes, potential losses and any other relevant conditions before you make your investment decision regarding financial instruments or investment services described herein. OTP Bank Romania S.A. in compliance with the applicable law, assumes no responsibility, obligation, warranty or guarantee whatsoever for any direct or indirect damage (including losses arising from investments), or for the costs or expenses, detrimental legal consequences or other sanctions (including punitive and consequential damage) sustained by any natural or legal person as a result of the purchase or sale of financial instruments or engaging investment services described herein, even if OTP Bank Romania S.A. was warned of the possibility of such occurrences.

Figures described herein refer to the past and past performance is not a reliable indicator of future results. Investments in financial instruments carry a certain degree of risk (fluctuation of share prices, uncertainty of dividend, yields and / or profits, exchange rate fluctuations, etc.). The capital invested is not guaranteed, investment gains, usually assumed proportionate to risk, and past performance of financial instruments is not a guarantee for future performance.

Please note that the Internet is not a secure environment and OTP Bank Romania S.A. does not accept any liability for any loss caused by the result of using this report in a form altered or delayed by the wilful or accidental interception, corruption or virus infection.

All rights reserved - OTP Bank Romania S.A. (registered seat: Street Buzesti, no. 66-68, 1st district Bucharest, Romania; company registration number: 01-10-041585; NBR registration no RB-PJR-40-028/1999; for further information please refer to: https://www.otpbank.ro/en).

This document has been provided to the recipients upon their prior request. Your abovementioned permission may be withdrawn by an e-mail addressed to newsletters@otpbank.ro or a written mail addressed to OTP Bank Romania S.A , Buzesti Street, no. 66-68, 1st district, Bucharest, Romania. Please refer to your name and e-mail address in both cases.