17 November 2023

Weekly Focus

Inflation pressures easing but too early to declare victory

The big market mover this week was US CPI for October, which surprised to the downside with a rise in the core CPI inflation of 0.2% m/m versus a consensus estimate of 0.3% m/m. The number added to the picture that inflation pressures are easing. The October inflation print from the euro area showed a similar development earlier this month. However, it is still too early to declare victory over inflation. While goods price inflation has come down a lot, service price inflation is still too high. Labour markets remain tight sustaining high wage growth. We need to see more cooling of the economies to get further cooling of the labour markets and service inflation under control. Some Fed members during the week did warn that it was too early to declare victory and said higher rates could still be needed. San Francisco Fed's Daly said the data pointed to a deceleration in inflation but cautioned against prematurely calling for a "time out" on further hikes.

In the US retail sales for October was stronger than expected and still points to quite resilient private consumption. Hence we have yet to see consumers give in to the higher interest rates. However, we continue to see a further cooling of the labour market and consumption to kick in over the coming quarters implying that the Fed is done for now and can start lowering rates in the first half of 2024. The market is also convinced the Fed is done following the lower inflation print and bond yields moved much lower during the week and the USD weakened further. Stocks rallied on the positive signs of a soft landing.

In the euro area, it was a fairly quiet week. The German ZEW showed a rebound in November from -1.1 to 9.8. It tends to give a good signal on the Ifo business survey, which we get in the coming week. ECB's Kazak said it was premature to say we have reached the terminal rate and said there was no clear peak in wage growth yet. ECB's Guindos said he wouldn't prejudge further rate movements and future decisions will be data dependent. However, Centeno delivered more dovish comments saying inflation retreated faster than it went up and that real rates continue to rise as inflation comes down.

A decline in oil prices is providing additional help with easing inflation pressures. Brent oil dropped further this week below USD80 per barrel on concerns over weak demand and it is back to the levels seen in the summer months after hitting USD96 in late September. If the sell-off continues, we will likely see further supply cuts by OPEC and US resuming buying of oil for its strategic reserves. Both factors would help floor oil prices.

Turning to Asia, Japan's GDP growth for Q3 disappointed with a decline of 0.5% q/q (consensus -0.1% q/q). Chinese data for October showed positive surprises for retail sales and industrial production but housing remained a key concern with further declines in both house prices and home sales. On the geopolitical front leaders of the US and China, Joe Biden and Xi Jinping, met for the first time in a year. We see it as positive that the dialogue is back, which is key to managing the strained relationship and put up guard rails to avoid escalation into military conflict at some point. But the intense rivalry is likely to be with us in the years to come, see also our *Geopolitical Radar* released on Thursday.

Looking ahead to the coming week focus turns to Flash PMI's in the US and the euro area, German Ifo survey, Japan CPI and a Riksbank meeting in Sweden.

Key global views

- Weak near-term growth outlook in the US and Europe, but recovery from summer 2024
- US and euro area headline set to decline further, but core inflation to remain sticky
- Fed and ECB policy rates have peaked

Key market movers

- Tuesday: FOMC minutes, US existing home sales
- Wednesday: US durable goods orders, euro consumer confidence
- Thursday: Riksbank meeting, Euro
 Flash PMI, Norway GDP
- Friday: German Ifo survey, US Flash PMI, Japan CPI

Selected reading from Danske Bank

FX Forecast Update – The relief-boost to Scandies will not be sustained, 16 November

Geopolitical Radar - War in Middle East shifts attention away from Ukraine, US and China reinstall defence communication, 16 November

Global Inflation Watch - Signs of weaker demand ease inflation risks in October, 14 November

Spending Monitor - Overall positive October despite signs of weakening service spending, 10 November

Editor

Allan von Mehren +45 4514 1488 alvo@danskebank.com



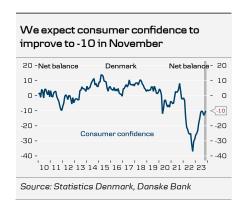
Scandi market movers

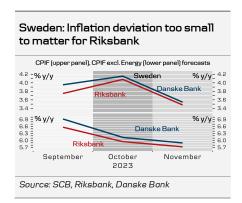
In **Denmark**, we get <u>consumer confidence</u> numbers for November on Wednesday. We expect an improvement in confidence from -11.8 in October to -10 in November. The labour market continues to be robust, and energy prices are substantially lower than last year. This should support confidence, at least when comparing to one year ago. Furthermore, the very low inflation prints over the past few months and high wage growth means purchasing power has risen – and is set to rise further, which should support consumer confidence in the coming period. On the other hand, high interest rates will continue to take their toll on consumers' personal finances, especially home owners with variable rate loans that are set to adjust in the coming period. Furthermore, economic activity has declined, and we expect employment to gradually decrease into 2024. This will be negative for confidence.

We will also get <u>employment statistics for wage earners</u> in September on Wednesday. The employment indicator for the third quarter, which came last week and is based on the last month of the quarter, indicates a 0.3 percent increase in employment, which implies that employment was almost unchanged from August to September, and thus a continued robust labour market. It will be interesting to see if the data release paints the same picture.

On Thursday, we get <u>business confidence</u> for November. Sentiment was generally negative in October, with manufacturing ex. pharmaceuticals, and construction among the more pessimistic parts of the business sector. Services have so far fared well, both in terms of activity and sentiment. The outlook of rising wage costs and high interest rates has not changed, so the negative sentiment will most likely continue.

Riksbank rate decision is the main event of the week in Swedish financial markets. We expect Riksbank to keep the repo rate unchanged while still keeping the door open for a rate hike later on if inflationary pressures remain higher than forecast. In other words a "hawkish hold". The main reasons behind this stance are: 1) both headline and core CPIF was only 0.1 percentage points higher than Riksbank's forecasts and this is simply too small to justify a rate hike. Moreover, calculations of frontloaded and momentum inflation suggest inflationary pressures are receding quickly now. 2) The Krona (KIX index) is at the time of writing 4.1 percent stronger than Riksbank's forecast, at a level Riksbank does not expect to see until April 2025. The implication of this deviation is that it adds to lower inflationary pressures than assumed in Riksbank's forecasts. 3) Other central banks, most notably the ECB, have taken on a "hawkish hold" approach to the policy rate. We cannot see any strong reason for Riksbank to have any other approach than the ECB in the absence of a considerably weaker Krona than forecast (which is obviously not the case now). 4) Riksbank's own semi-annual business survey showed that household-related companies are signalling price cuts going forward on the back of easing labour and energy costs, weakening demand and increasing competition. 5) Recent Swedish macro data such as consumption, GDP and labour market data has weakened. We do not expect any news about the pace of QT, however, it is not possible to entirely rule out a step to speed up bond sales further.

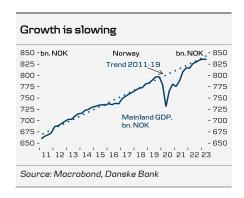






October PPI, especially import and domestic supply prices, may have been affected by the recent strengthening of the SEK. If not, we expect to see more of a disinflationary impact in November instead.

• There has been a clear slowdown in the **Norwegian** economy during 2023. Negative real wage growth and higher interest rates affect private consumption and housing investment. Weaker global growth is becoming visible in the figures for mainland exports, and now it may look as if lower capacity utilisation, higher uncertainty, higher funding costs and somewhat lower profitability are starting to slow down investment in mainland industries. On the other hand, there is good momentum in the oil supplier industry. We expect growth in mainland GDP of 0.2 percent q/q in Q3.



Scandi update

Denmark – Technical recession in the third quarter, particularly driven by declining industrial production

In **Denmark**, GDP contracted by 0.3% in Q3 compared to Q2. This is the second quarter in a row with a fall in GDP, and as such, Denmark is now in a technical recession. A key driver of the contraction is industrial production, which was 5.9% lower in Q3 compared to Q2. Pharmaceuticals in particular lost steam, and drove a large part of the fall as it did in Q2. This seems somewhat odd and we are likely in for significant revisions later on. Private consumption was also weak as consumers are still recovering from the large erosion of purchasing power due to high inflation. Despite the contraction, the labour market is still looking strong, with employment up 0.3 percent in Q3. Looking ahead, high wage growth should support consumption, to the extent that it does not lead to a significantly weaker labour market. On the business side, high interest and wage costs will continue to take a toll on production. All in all, our outlook is still a soft landing with growth rates hovering around 0 for the coming period.

Monthly home sales increased again in October, as 4.391 houses and 1.567 apartments were sold, adjusted for regular seasonal effects. This is an increase of 6.7% and 15.6% respectively from September. Home sales peaked during the pandemic years, then fell sharply, but have since recovered to levels comparable to those seen during the years 2014-2019. This recovery can be partially explained by the very robust labour market and rising wages will support the market going forward. On the other hand, the effective interest rate on loans is rising as more home owners with variable rate loans see their interest payments increase. New loans are also expensive and as long as prices do not fall, this will dampen activity on the market.

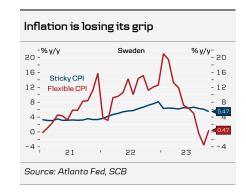
6 - % q/q Denmark % q/q - 6 4 - - 4 2 - - 2 0 - - - - 2 - 4 - GDP growth - 4 - 6 - - 6 - 15 16 17 18 19 20 21 22 23 Source: Danske Bank, Statistics Denmark, Macrobond Financial

GDP declined 0.3 percent in Q3

compared to Q2

Sweden – October inflation was to the dismay for inflation hawks

In Sweden, October inflation was lower than expected in general. CPIF and core inflation (CPIF excl. energy) was just 0.1 percentage point above the Riksbank's forecast (4.5%/6.3% YoY). Looking at details it shows that clothing, furniture, and recreation dragged core inflation lower than expected. Headline was lower mainly as electricity did not rise as much as expected. We created a sticky price index for Sweden by using the same methodology as Atlanta Fed that sorts the components of the CPI into either flexible or sticky (slow to change) categories based on the frequency of their price adjustment. Interestingly, flexible inflation bounced upwards for the first time since January. However, more importantly, sticky inflation has steadily been decreasing since July. This emphasizes the significance of the recent slowdown of inflation and proving that it is persistent. Looking at "front-loaded" inflation (3m SAAR) on all accounts is significantly lower than the YoY rate. Instantaneous inflation (exponentially forward weighted) mostly shows the same pattern. In conclusion, inflation is cooling quite quickly now. Inflation expectations for money market players was barely unchanged in November reinforcing the cooling from the inflation print. CPIF expectations for two and five years stayed at 2.1% both while one year increased 0.1% to 2.8%. All in all, this week statistics must have been welcomed by the Riksbank for next week rate decision which remains a close call, although it is now leaning towards unchanged.



Registered unemployed people remains stable, as in October the number was unchanged at 6.4% (can be compared to 6.6% a year ago). The construction start indicator was also released and finally signals a turnaround in housing construction during the spring as it increased by 3.2% in October. Earlier months were revised up leading to a third month in a row increase.

Norway - Inflation expectations coming down

Norges Bank's Q4 Expectations Survey (ES) revealed that an (unweighted) average of the participants (CEOs, economists and labour market partners) now expect inflation in the next 12M of 4.3% (5.1%), in 2 years of 3.9% (4.5%) and in 5 years of 2.8% (2.8%). Numbers in brackets show the previous measurement.

The same participants now expect wage growth this year of 4.9%, against 5.4% in the previous round. Estimates for 2024 now show an expected wage growth of 4.4% (4.7%). Employees' organisations now expect wage growth next year at 4.5%, compared to 5.4% in Q3. In comparison, Norges Bank's forecast from September showed wage growth of 5.5% and 5.2% in 2023 and 2024. Hence, the figures from the ES to suggest that Norges Bank must adjust the wage estimates for 2024 downwards in the next MPR in December.

Lower wage and price expectations are exactly what Norges Bank wants now, because it reduces the risk of wage and price spirals in a situation with a weakening of the krone exchange rate. Especially lower wage growth expectations for next year will probably be important for Norges Bank's decision on the policy rate in December.





Calendar - 20-24 November 2023

	vovemi	per 20, 2023		Period	Danske Bank	Consensus	Previous
jesday, l	Novem	ber 21, 2023		Period	Danske Bank	Consensus	Previous
8:00	SEK	Capacity utilization, industry	%	3rd quarter			91.2%
14:00	HUF	Central Bank of Hungary rate decision	%		12.00%	11.50%	12.25%
14:30	CAD	CPI	m/m y/y	Oct		3.2%	3.8%
16:00	USD	Existing home sales	m (m/m)	Oct		3.9	3.96 -0.02
17:00	EUR	ECB's Lagarde speaks					
18:00	EUR	ECB's Schnabel speaks					
20:00	USD	FOMC minutes					
/ednesd	lay, Nov	rember 22, 2023		Period	Danske Bank	Consensus	Previous
8:00	DKK	Consumer confidence	Net. bal.	Nov	-10		-11.8
14:30	USD	Initial jobless claims	1000				231
14:30	USD	Core capital goods orders, preliminary	%	Oct		0.2%	0.5%
16:00	EUR	Consumer confidence, preliminary	Net bal.	Nov		-17.6	-17.9
16:00	USD	University of Michigan Confidence, final	Index	Nov		60.5	60.4
16:30	USD	DOE U.S. crude oil inventories	K				3592
nursday,	, Noven	nber 23, 2023		Period	Danske Bank	Consensus	Previous
8:00	NOK	Credit indicator (C2)	y/y	Oct			4.1%
8:00	NOK	GDP (total)	q/q	3rd quarter			0.0%
8:00	NOK	GDP (mainland)	q/q	3rd quarter	0.2%		0.0%
8:00	NOK	GDP (mainland)	m/m	Sep			-0.2%
8:45	FRF	Business confidence	Index	Nov		98.0	98.0
9:15	FRF	PMI manufacturing, preliminary	Index	Nov		43.3	42.8
9:15	FRF	PMI services, preliminary	Index	Nov		45.6	45.2
9:30	DEM	PMI manufacturing, preliminary	Index	Nov		41.1	40.8
9:30	DEM	PMI services, preliminary	Index	Nov		48.3	48.2
9:30	SEK	Riksbank, rate decision	%		4.00%	4.25%	4.00%
10:00	EUR	PMI manufacturing, preliminary	Index	Nov		43.3	43.1
10:00	EUR	PMI composite, preliminary	Index	Nov		47.0	46.5
10:00	EUR	PMI services, preliminary	Index	Nov		48.1	47.8
10:30	GBP	PMI manufacturing, preliminary	Index	Nov		45.0	44.8
10:30	GBP	PMI services, preliminary	Index	Nov		49.7	49.5
12:00	TRY	Central Bank of Turkey rate decision	%		37.5%	37.5%	35.0%
		r 24, 2023		Period	Danske Bank	Consensus	Previous
0:30	JPY	CPI - national	у/у	Oct		3.4%	3.0%
0:30	JPY	CPI - national ex. fresh food	у/у	Oct		3.0%	2.8%
1:01	GBP	GfK consumer confidence	Index	Nov		-31.0	-30.0
1:30	JPY	Nikkei Manufacturing PMI, preliminary	Index	Nov			48.7
1:30 6:00	JPY	Markit PMI services, preliminary	Index	Nov			51.6 108.7
8:00	SEK	Leading economic index, final PPI	Index	Sep			
			m/m y/y	Oct		0.10/1.0.70/	1.8% -4.69
8:00 8:00	DEM DEM	GDP, final	q/qly/y	3rd quarter		-0.1% -0.3% -0.2%	-0.1% -0.3° 0.0%
8:00	DEM	Private consumption	q/q	3rd quarter		-0.2% 0.2%	0.0%
8:00	DEM	Government consumption Gross fixed investments	q/q q/q	3rd quarter 3rd quarter		0.2%	0.1%
10:00	DEM	IFO - business climate	q/q Index	Nov Nov		0.1% 87.4	86.9
10:00	DEM	IFO - current assessment	Index	Nov		89.4	89.2
	DEM	IFO - expectations	Index	Nov		85.5	84.7
	EUR	ECB's Lagarde speaks	inuex	INUV		63.5	04.7
10:00	LUK		m/m	Sep		0.0%	-0.1%
11:00	CAD			JED			-U.1 /0
	CAD	Retail sales Markit PMI manufacturing, preliminary	Index	Nov		49.8	50.0

Macroeconomic forecast

Magne		at Cas	- di i-										
Macro	Year	GDP 1	Private	Public cons.1	Fixed inv.1	Ex- ports ¹	lm- ports ¹	Infla-	Wage growth ¹	Unem- ploym ²	Public budget ³	Public debt ³	Current
Denmark	2022 2023 2024	2.7 1.7 1.2	-1.6 0.1 1.6	-2.8 0.2 1.5	3.2 -5.2 0.7	10.8 6.7 1.7	6.5 0.8 1.7	7.7 4.0 3.2	3.6 4.3 5.6	2.6 2.9 3.2	3.4 2.1 1.0	29.7 27.7 26.0	13.0 12.5 12.5
Sweden	2022 2023 2024	2.9 0.0 1.7	1.9 -1.6 1.7	0.0 2.2 1.5	6.2 -0.9 2.0	7.0 2.5 3.0	9.3 0.7 2.9	8.4 8.4 1.8	2.5 4.0 3.3	7.5 7.5 7.8	1.1 -0.4 -0.8	31.0 29.0 29.0	3.7 4.7 4.7
Norway	2022 2023 2024	3.8 1.2 1.4	6.9 -1.7 1.2	0.1 1.4 1.0	4.3 0.5 4.0	5.9 4.0 2.0	9.2 3.0 1.6	5.8 5.8 3.6	4.3 5.4 4.4	1.8 1.9 2.3	- - -	- - -	
Macrof	foreca	st. Euro	oland										
	Year	GDP 1	Private cons. ¹	Public cons. ¹	Fixed inv.1	Ex- ports ¹	lm- ports ¹	Infla- tion ¹	Wage growth ¹	Unem- ploym ²	Public budget ³	Public debt ³	Current acc. ³
Euro area	2022 2023 2024	3.4 0.5 0.8	4.2 0.1 1.1	1.6 -0.7 1.0	2.8 0.5 0.5	7.4 1.7 2.0	8.0 1.0 2.0	8.4 5.5 2.6	3.1 5.3 4.5	6.7 6.5 6.8	-3.6 -3.2 -2.6	91.5 90.0 89.1	-0.9 1.3 1.7
Finland	2022 2023 2024	1.6 -0.2 0.8	1.7 -0.2 1.0	0.8 3.0 0.5	3.2 -5.0 1.0	3.7 -0.5 1.5	8.5 -3.0 1.5	7.1 6.5 2.3	2.4 4.0 3.4	6.8 7.2 7.0	-0.8 -2.8 -2.7	73.3 72.3 73.4	-2.5 -4.0 -3.0
Macrof	foreca	st. Glob	oal										
	Year	GDP 1	Private cons. ¹	Public cons.1	Fixed inv.1	Ex- ports ¹	lm- ports ¹	Infla- tion ¹	Wage growth ¹	Unem- ploym ²	Public budget ³	Public debt ³	Current acc. ³
USA	2022 2023 2024	1.9 2.4 1.1	2.5 2.2 0.2	-0.9 3.8 2.9	1.3 0.3 3.1	7.0 1.8 -1.6	8.6 -2.0 0.5	8.0 4.1 2.1	5.3 4.1 3.2	3.6 3.6 4.1	-5.5 -5.4 -5.8	123.3 123.6 125.4	-3.9 -3.1 -2.8
China	2022 2023 2024	3.0 4.8 4.2	2.8 6.5 5.0	- - -	4.0 4.5 3.8	- - -	- - -	2.0 0.8 1.2	- - -	5.5 5.2 5.1	-7.5 -7.5 -7.5	77.1 82.8 87.4	2.3 1.4 1.0
uK	2022 2023 2024	4.2 0.4 0.4	-	-	-	- - -	-	9.0 7.6 2.9	- -	3.7 4.3 4.6	-	- - -	- -

 $Source: OECD \ and \ Danske \ Bank. \ 1] \ \% \ y/y. \ 2] \ \% \ contribution \ to \ GDP \ growth. \ 3] \ \% \ of \ labour \ force. \ 4] \ \% \ of \ GDP.$

Financial forecast

Bonda	and mone	y markets								
		Key interest	3m interest	2-yr swap	10-yr swap	Currency	Currency	Currency	Currency	Currency
		rate	rate	yield	yield	vs EUR	vs USD	vs DKK	vs NOK	vs SEK
USD*	16-Nov	5.50	-	4.66	4.11	0.92	-	6.85	10.87	10.56
	+3m	5.50	-	4.52	4.29	0.92	-	6.84	10.92	10.55
	+6m	5.25	-	4.25	4.06	0.94	-	7.03	11.42	11.13
	+12m	4.75	-	3.95	3.85	0.96	-	7.16	11.63	11.35
EUR	16-Nov	4.00	3.91	3.49	3.08	-	1.09	7.4589	11.83	11.49
	+3m	4.00	3.92	3.56	3.15	-	1.09	7.4550	11.90	11.50
	+6m	4.00	3.68	3.35	3.03	-	1.06	7.4500	12.10	11.80
	+12m	3.50	3.25	2.95	2.90	-	1.04	7.4500	12.10	11.80
JPY	16-Nov	-0.10	-	-	-	0.006	0.007	4.56	7.23	7.03
	+3m	-0.10	-	-	-	0.006	0.007	4.68	7.48	7.23
	+6m	0.00	-	-	-	0.007	0.007	4.95	8.04	7.84
	+12m	0.00	-	-	-	0.007	0.007	5.27	8.55	8.34
GBP*	16-Nov	5.25	-	4.70	3.98	1.14	1.05	8.53	13.53	13.15
	+3m	5.25	-	4.85	4.25	1.14	1.24	8.47	13.52	13.07
	+6m	5.25	-	4.66	4.07	1.12	1.19	8.37	13.60	13.26
	+12m	4.75	-	4.50	3.95	1.12	1.17	8.37	13.60	13.26
CHF	16-Nov	1.75	-	-	-	1.04	1.13	7.73	12.26	11.91
	+3m	1.75	-	-	-	1.05	1.15	7.85	12.53	12.11
	+6m	1.75	-	-	-	1.06	1.13	7.93	12.87	12.55
	+12m	1.25	-	-	-	1.06	1.11	7.93	12.87	12.55
DKK	16-Nov	3.60	3.95	3.63	3.26	0.134	0.146	-	1.59	1.54
	+3m	3.60	3.97	3.71	3.30	0.134	0.146	-	1.60	1.54
	+6m	3.60	3.73	3.50	3.18	0.134	0.142	-	1.62	1.58
	+12m	3.10	3.30	3.10	3.05	0.134	0.140	-	1.62	1.58
SEK	16-Nov	4.00	4.13	3.70	3.08	0.087	0.095	0.65	1.03	-
	+3m	4.00	4.12	3.81	3.21	0.087	0.095	0.65	1.03	-
	+6m	4.00	4.00	3.43	2.95	0.085	0.090	0.63	1.03	-
	+12m	3.50	3.53	3.10	2.90	0.085	0.088	0.63	1.03	-
NOK	16-Nov	4.25	4.87	4.58	3.88	0.085	0.092	0.63	-	0.97
	+3m	4.25	4.53	4.37	3.93	0.084	0.092	0.63	-	0.97
	+6m	4.00	4.21	4.10	3.71	0.083	0.088	0.62		0.98
	+12m	3.50	3.84	3.80	3.55	0.083	0.086	0.62	-	0.98

*Notes: GBP swaps are SONIA, USD swaps are SOFR

Commodities											
			20	23			20	24		Ave	rage
	16-Nov	01	02	Ω3	Q4	Q1	02	Ω3	Q4	2023	2024
ICE Brent	77	82	78	86	85	80	80	80	80	83	80

Source Danske Bank



Disclosures

This research report has been prepared by Danske Bank A/S ('Danske Bank'). The author of this research report is Allan von Mehren, Director.

Analyst certification

Each research analyst responsible for the content of this research report certifies that the views expressed in the research report accurately reflect the research analyst's personal view about the financial instruments and issuers covered by the research report. Each responsible research analyst further certifies that no part of the compensation of the research analyst was, is or will be, directly or indirectly, related to the specific recommendations expressed in the research report.

Regulation

Danske Bank is authorised and regulated by the Danish Financial Services Authority (Finanstilsynet). Danske Bank is authorised by the Prudential Regulation Authority in the UK and subject to regulation by the Financial Conduct Authority and limited regulation by the Prudential Regulation Authority. Details about the extent of our regulation by the Prudential Regulation Authority are available from us on request.

Danske Bank's research reports are prepared in accordance with the recommendations of Capital Market Denmark.

Conflicts of interest

Danske Bank has established procedures to prevent conflicts of interest and to ensure the provision of high-quality research based on research objectivity and independence. These procedures are documented in Danske Bank's research policies. Employees within Danske Bank's Research Departments have been instructed that any request that might impair the objectivity and independence of research shall be referred to Research Management and the Compliance Department. Danske Bank's Research Departments are organised independently from and do not report to other business areas within Danske Bank.

Research analysts are remunerated in part based on the overall profitability of Danske Bank, which includes investment banking revenues, but do not receive bonuses or other remuneration linked to specific corporate finance or debt capital transactions.

Danske Bank is a market maker and liquidity provider and may hold positions in the financial instruments mentioned in this research report.

Danske Bank, its affiliates and subsidiaries are engaged in commercial banking, securities underwriting, dealing, trading, brokerage, investment management, investment banking, custody and other financial services activities, may be a lender to the companies mentioned in this publication and have whatever rights are available to a creditor under applicable law and the applicable loan and credit agreements. At any time, Danske Bank, its affiliates and subsidiaries may have credit or other information regarding the companies mentioned in this publication that is not available to or may not be used by the personnel responsible for the preparation of this report, which might affect the analysis and opinions expressed in this research report.

Financial models and/or methodology used in this research report

Calculations and presentations in this research report are based on standard econometric tools and methodology as well as publicly available statistics for each individual fixed income asset.

We base our conclusion on an estimation of the financial risk profile of the financial asset. By combining these risk profiles with market technical and financial asset-specific issues such as rating, supply and demand factors, macro factors, regulation, curve structure, etc., we arrive at an overall view and risk profile for the specific financial asset. We compare the financial asset to those of peers with similar risk profiles and on this background, we estimate whether the specific financial asset is attractively priced in the specific market. We express these views through buy and sell recommendations. These signal our opinion about the financial asset's performance potential in the coming three to six months.

More information about the valuation and/or methodology and the underlying assumptions is accessible via https://danskeci.com/ci/research/research-disclaimer. Select Fixed Income Research Methodology.

Risk warning

Major risks connected with recommendations or opinions in this research report, including a sensitivity analysis of relevant assumptions, are stated throughout the text.

Completion and first dissemination

The completion date and time in this research report mean the date and time when the author hands over the final version of the research report to Danske Bank's editing function for legal review and editing.

The date and time of first dissemination mean the date and estimated time of the first dissemination of this research report. The estimated time may deviate up to 15 minutes from the effective dissemination time due to technical limitations.

See the final page of this research report for the date and time of completion and first dissemination.

Validity time period

This communication as well as the communications in the list referred to below are valid until the earlier of (a) dissemination of a superseding communication by the author, or (b) significant changes in circumstances following its dissemination, including events relating to the market or the issuer, which can influence the price of the issuer or financial

Investment recommendations disseminated in the preceding 12-month period

A list of previous investment recommendations disseminated by the lead analyst(s) of this research report in the preceding 12-month period can be found at https://danskeci.com/ci/research/research-disclaimer. Select Fixed Income Trade Recommendation History

Other previous investment recommendations disseminated by Danske Bank are also available in the database.

See https://danskeci.com/ci/research/research-disclaimer for further disclosures and information.

This research has been prepared by Danske Bank A/S. It is provided for informational purposes only and should not be considered investment, legal or tax advice. It does not constitute or form part of, and shall under no circumstances be considered as, an offer to sell or a solicitation of an offer to purchase or sell any relevant financial instruments (i.e. financial instruments mentioned herein or other financial instruments of any issuer mentioned herein and/or options, warrants, rights or other interests with respect to any such financial instruments) ('Relevant Financial Instruments').

This research report has been prepared independently and solely on the basis of publicly available information that Danske Bank A/S considers to be reliable but Danske Bank A/S has not independently verified the contents hereof. While reasonable care has been taken to ensure that its contents are not untrue or misleading, no representation or warranty, express or implied, is made as to, and no reliance should be placed on, the fairness, accuracy, completeness or reasonableness of the information, opinions and projections contained in this research report and Danske Bank A/S, its affiliates and subsidiaries accept no liability whatsoever for any direct or consequential loss, including without limitation any loss of profits, arising from reliance on this research report.



The opinions expressed herein are the opinions of the research analysts and reflect their opinion as of the date hereof. These opinions are subject to change and Danske Bank A/S does not undertake to notify any recipient of this research report of any such change nor of any other changes related to the information provided in this research report.

This research report is not intended for, and may not be redistributed to, retail customers in the United Kingdom (see separate disclaimer below) and retail customers in the European Economic Area as defined by Directive 2014/65/EU.

This research report is protected by copyright and is intended solely for the designated addressee. It may not be reproduced or distributed, in whole or in part, by any recipient for any purpose without Danske Bank A/S's prior written consent.

Disclaimer related to distribution in the United States

This research report was created by Danske Bank A/S and is distributed in the United States by Danske Markets Inc., a U.S. registered broker-dealer and subsidiary of Danske Bank A/S, pursuant to SEC Rule 15a-6 and related interpretations issued by the U.S. Securities and Exchange Commission. The research report is intended for distribution in the United States solely to 'U.S. institutional investors' as defined in SEC Rule 15a-6. Danske Markets Inc. accepts responsibility for this research report in connection with distribution in the United States solely to 'U.S. institutional investors'.

Danske Bank A/S is not subject to U.S. rules with regard to the preparation of research reports and the independence of research analysts. In addition, the research analysts of Danske Bank A/S who have prepared this research report are not registered or qualified as research analysts with the New York Stock Exchange or Financial Industry Regulatory Authority but satisfy the applicable requirements of a non-U.S. jurisdiction.

Any U.S. investor recipient of this research report who wishes to purchase or sell any Relevant Financial Instrument may do so only by contacting Danske Markets Inc. directly and should be aware that investing in non-U.S. financial instruments may entail certain risks. Financial instruments of non-U.S. issuers may not be registered with the U.S. Securities and Exchange Commission and may not be subject to the reporting and auditing standards of the U.S. Securities and Exchange Commission.

Disclaimer related to distribution in the United Kingdom

In the United Kingdom, this document is for distribution only to (I) persons who have professional experience in matters relating to investments falling within article 19(5) of the Financial Services and Markets Act 2000 (Financial Promotion) Order 2005 (the 'Order'); (II) high net worth entities falling within article 49(2)(a) to (d) of the Order; or (III) persons who are an elective professional client or a per se professional client under Chapter 3 of the FCA Conduct of Business Sourcebook (all such persons together being referred to as 'Relevant Persons'). In the United Kingdom, this document is directed only at Relevant Persons, and other persons should not act or rely on this document or any of its contents.

Disclaimer related to distribution in the European Economic Area

This document is being distributed to and is directed only at persons in member states of the European Economic Area ('EEA') who are 'Qualified Investors' within the meaning of Article 2(e) of the Prospectus Regulation (Regulation (EU) 2017/1129) ('Qualified Investors'). Any person in the EEA who receives this document will be deemed to have represented and agreed that it is a Qualified Investor. Any such recipient will also be deemed to have represented and agreed that it has not received this document on behalf of persons in the EEA other than Qualified Investors or persons in the UK and member states (where equivalent legislation exists) for whom the investor has authority to make decisions on a wholly discretionary basis. Danske Bank A/S will rely on the truth and accuracy of the foregoing representations and agreements. Any person in the EEA who is not a Qualified Investor should not act or rely on this document or any of its contents.

Report completed: 17 November 2023, 13:00 CET

Report first disseminated: 17 November 2023, 13:15 CET