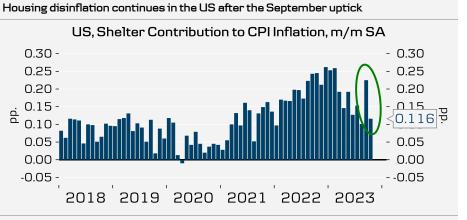
Global Inflation Watch

Signs of weaker demand ease inflation risks in October

- **Overview:** Inflation drivers continue to paint a mixed picture, but inflation is likely to head lower towards 2024 in the US and euro area. Price pressures from food and freight have clearly eased, and oil prices have also turned lower recently despite the ongoing war in Gaza. Underlying inflation and wage growth have begun to ease in the US, but remain sticky in the euro area. Tight labour markets continue to support upside risks to core inflation in both areas going forward. We think that most western central banks are now done with their respective hiking cycles.
- **Inflation expectations**: Euro area inflation expectations have remained steady over the past month, while some US consumer surveys and longer-term market based indicators have showed rising expectations. However, inflation expectations still generally remain consistent with the central banks' targets.
- US: October CPI surprised to the downside in both headline (+0.04% m/m SA; consensus +0.1%, Sep +0.40%) and core (+0.23% m/m SA; consensus +0.3%; Sep +0.32%) terms. Shelter inflation returned to a declining trend after a surprising uptick in September, in line with more timely rental prices indicators. UAW's strike had little impact on car prices, and overall core goods CPI continued its modest decline. Health insurance inflation rose in line with expectations due to the lagged calculation method, but inflation elsewhere in the services sector eased. As underlying price pressures continue to moderate, we still expect the Fed to cut rates in March 2024.
- Euro: Inflation fell significantly again in October due to base effects from energy and food prices but also waning inflationary momentum. Headline inflation declined to 2.9% y/y (from 4.3%; consensus: 3.1%) and core inflation ticked down to 4.2% y/y (from 4.5%; consensus 4.2%). The underlying inflationary momentum again showed positive developments with core inflation increasing just 0.11% m/m s.a. (from: 0.17%) due to lower goods price inflation while service inflation remained elevated due to the recent wage increases. Going forward, we expect the decline in core and food inflation to continue while energy inflation provides some upside risks to headline inflation.
- **China**: October inflation fell to -0.2% y/y from 0.0% y/y in September driven by a sharp decline in pork prices of 30%. Core CPI fell to 0.6% y/y from 0.8% y/y.



Source: BLS, Danske Bank, Macrobond Financial

Table of contents

- 1. Top down overview
- 2. Country details US
- 3. Country details Euro area
- 4. Country details China



Note: Past or current performance is no guarantee of future performance Source: Macrobond Financial. Bloombera

Core inflation outlook



Analyst, US Antti Ilvonen antti.ilvonen@danskebank.com

Analyst, euro area Rune Thyge Johansen rujo@danskebank.dk

Chief Analyst, China Allan von Mehren alvo@danskebank.dk

Top down overview

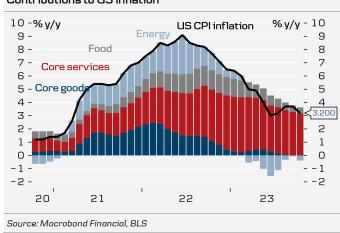
Trend in inflation pressure moving lower

Inflation Score Card		
Commodity prices	Oil	N
	Metals	N
	Food stuff	2
	Gas	2
Supply Chains	Freight rates	2
	Delivery times	2
Wage pressure		7
Inflation expectations		→
Pricing power		N
Source: Macrobond Financial, BLS		





Source: Macrobond Financial, BLS



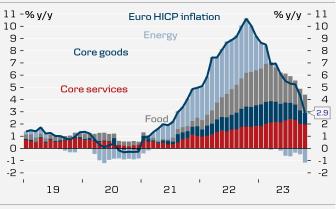






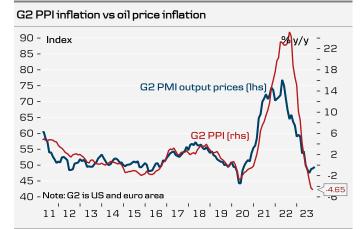
Source: Macrobond Financial, Eurostat

Contributions to euro inflation



Source: Macrobond Financial, Eurostat





Source: Macrobond Financial, BLS, Eurostat

China PPI inflation momentum

% m/m

2.5 -

2.0 -



Source: Macrobond Financial Markit



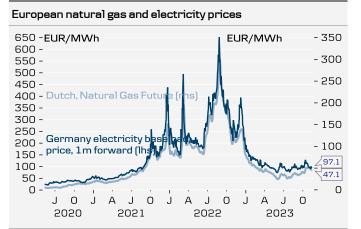




Source: Macrobond Financial, Markit

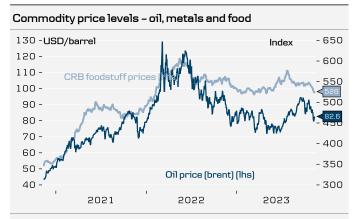
Index

- 61



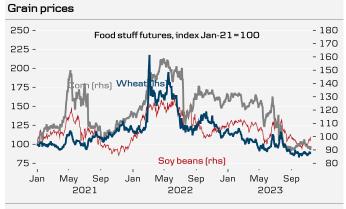
Note: Past or current performance is no guarantee of future performance Source: Macrobond Financial, PBoC, Danske Bank

Source: Macrobond Financial, BLS



Source: Macrobond Financial, Bloomberg

Note: Past performance is not a reliable indicator of future performance.



Source: Macrobond Financial, Bloomberg

Note: Past performance is not a reliable indicator of future performance.



Source: Macrobond Financial, Bloomberg

Note: Past performance is not a reliable indicator of future performance.

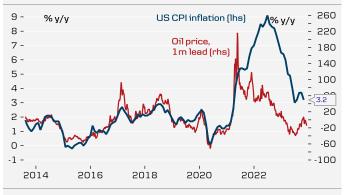




Country details - US

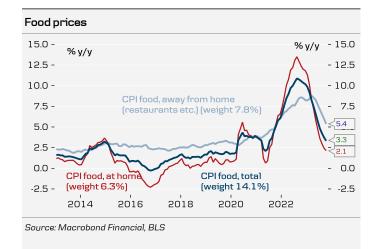
Top down





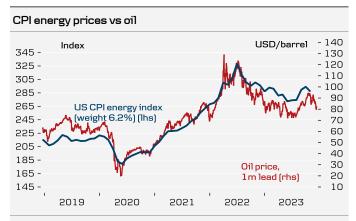
Source: Macrobond Financial, BLS.

Note: Past performance is not a reliable indicator of future performance.





Source: Macrobond Financial, Markit



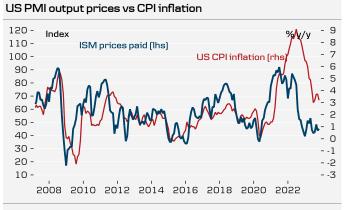
Source: Macrobond Financial, BLS.

Note: Past performance is not a reliable indicator of future performance.

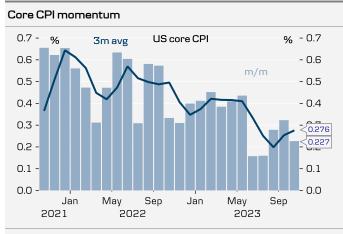
Food prices vs FAO food price index



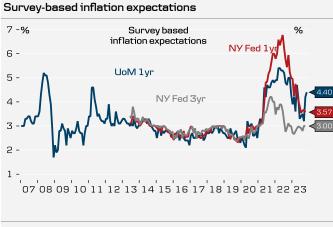
Note: Past performance is not a reliable indicator of future performance.



Source: Macrobond Financial, BLS, Markit



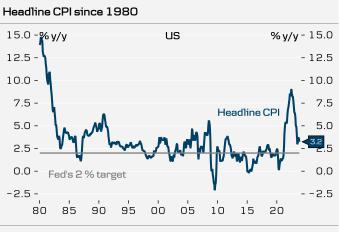
Source: Macrobond Financial, BLS



Source: NY Fed, University of Michigan, Macrobond Financial



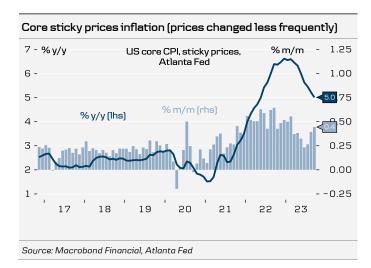
Source: Macrobond Financial, BLS, BEA







Source: Macrobond Financial. University of Michigang Note: Past performance is not a reliable indicator of future performance.







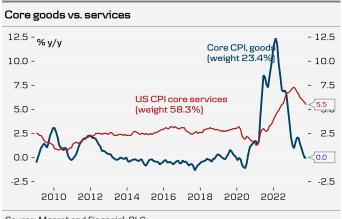
Median CPI inflation - 9 9 - % % US median CPI, Cleveland Fed 8 -- 8 - 7 7 -6 -- 6 - 5 5 -4 -- 4 3m annualisec 3 - 3 2 - 2 - 1 1 -2018 2019 2020 2021 2022 2023 2016 2017 Source: Macrobond Financial, Cleveland Fed



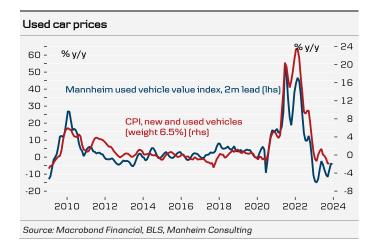


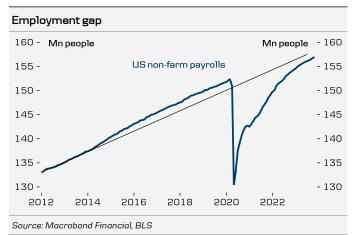


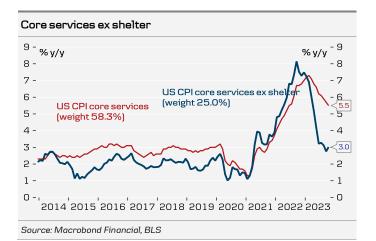


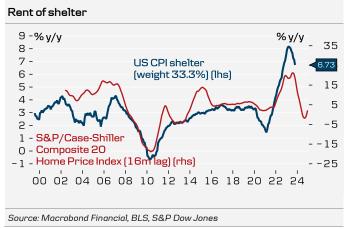


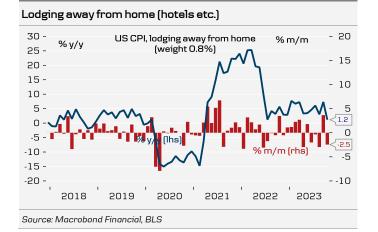


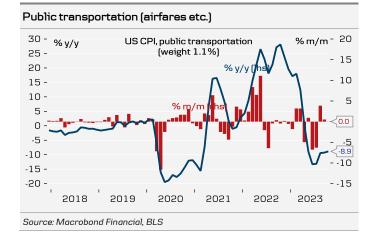






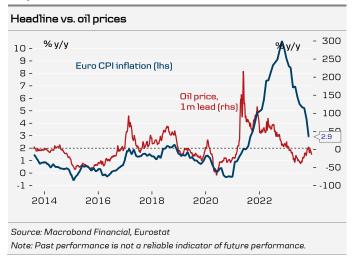


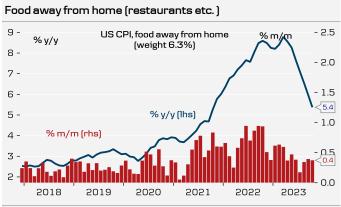


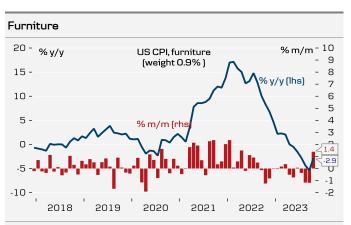


Country details - Euro

Top Down

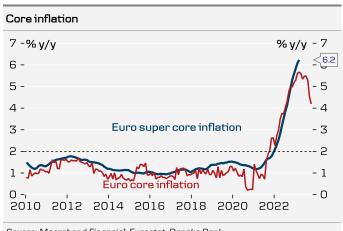




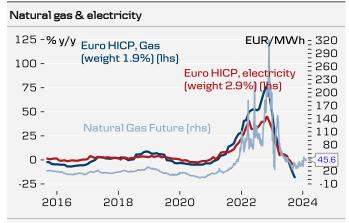


Source: Macrobond Financial, BLS

Source: Macrobond Financial, BLS



Source: Macrobond Financial. Eurostat. Danske Bank



Source: Macrobond Financial, Eurostat

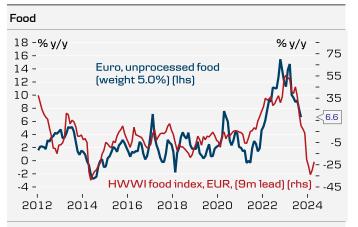
Note: Past performance is not a reliable indicator of future performance.



Source: Macrobond Financial, Bloombeg, ECB



Note: Past performance is not a reliable indicator of future performance.

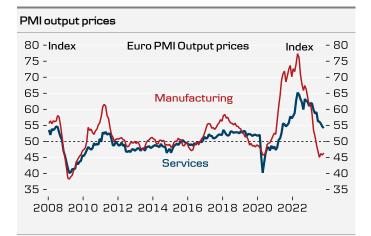


Source: Macrobond Financial

Note: Past performance is not a reliable indicator of future performance.

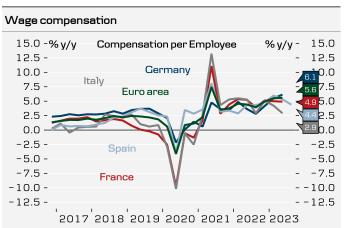


Source: Macrobond Financial, EU Commission, Eurostat



Source: Macrobond Financial, Markit

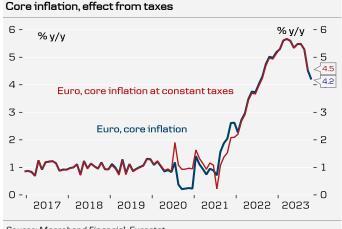




Source: Macrobond Financial, ECB.

Note: Compensation is affected by changes in working hours in contrast to negotiated wages, which is per hour worked.

Bottom up

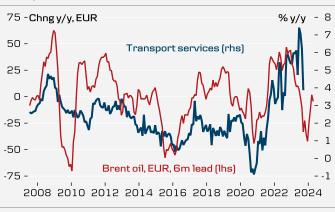


Source: Macrobond Financial, Eurostat

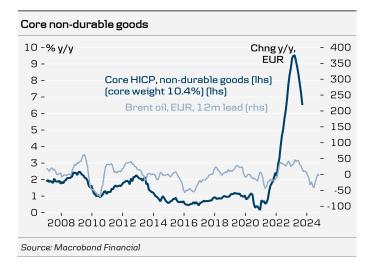


Core inflation components 7 -%y/y 7 %y/y 6 -6 5 5 -4 -4 Euro core inflation 3 3 -Services 2 2 -1 -2 1 0 0 Non-energy industrial goods (NEIC -1-- - 1 55 16 18 20 Source: Macrobond Financial, Eurostat, ECB

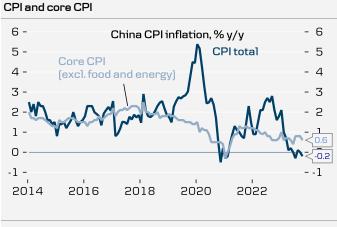




Source: Macrobond Financial, Eurostat, Danske Bank Note: Past performance is not a reliable indicator of future performance.



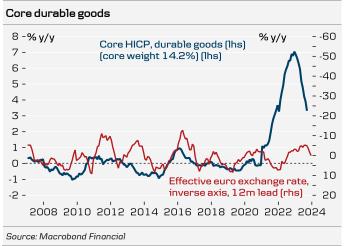
Country details - China



Source: Macrobond Financial, NBS

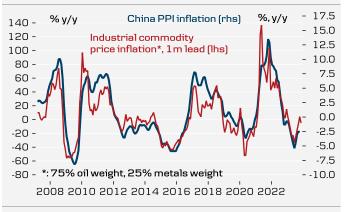


Source: Macrobond Financial, NBS





PPI vs. commodity prices



Source: Macrobond Financial, NBS, Danske Bank Note: Past performance is not a reliable indicator of future performance.

Disclosures

This research report has been prepared by Danske Bank A/S ('Danske Bank'). The authors of this research report are Antti Ilvonen, Analyst, Rune Thyge Johansen, Analyst and Allan von Mehren, Chief Analyst

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. 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.

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 security, issuer and/or country. Documentation can be obtained from the authors on request.

Risk warning

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

Expected updates

Monthly

Date of first publication

See the front page of this research report for the date of first publication.

General disclaimer

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: 14 November 2023, 16:00 CET Report first disseminated: 14 November 2023, 16:15 CET