

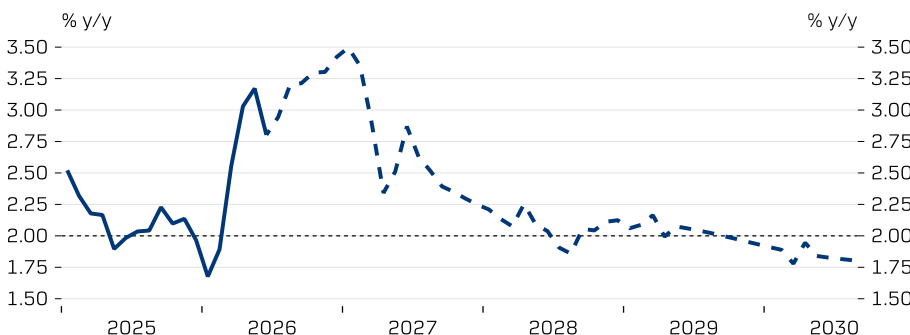
# Global Inflation Watch

## Price pressures cooled broadly in June

- **Overview:** Realised inflation cooled in June on both sides of the Atlantic. The moderation was not driven by just lower energy prices, but also broader price pressures eased, particularly in services. Inflation expectations also declined temporarily, but have since turned higher, as energy prices rose again in July. We continue to see that risk of underlying inflation turning more persistent is relative higher in the US compared to the euro area.
- **Inflation expectations:** Euro area's 1-year inflation expectations have jumped to about 3.0%, but longer-term forward expectations remain well anchored. Survey-based inflation expectations have ticked higher across both euro area and the US.
- **US:** June CPI landed well below expectations in both headline (3.5% y/y; cons. 3.8%, May 4.2%) and core terms (2.6% y/y; cons. 2.9%; May 2.8%). Inflation cooled on a broad basis, but the largest downside surprises relative to our forecast were seen in housing and non-housing services. Core goods prices recorded their second consecutive month of outright deflation (-0.09% m/m SA, May -0.11%). The release greatly decreases the risk of the Fed hiking rates in July, and we continue to forecast the first rate hike for the December meeting.
- **Euro area:** HICP inflation declined more than expected in June to 2.8% y/y. The decline was broad-based across energy, food and core inflation. Core inflation fell to 2.4% y/y, driven by services falling from 3.5% y/y to 3.2% y/y. Services momentum eased to around 0.2% m/m s.a., following the strong rises seen in recent months. Inflation in Q2 has now averaged 3.0% y/y – below the ECB's latest projections of 3.2% y/y across all their scenarios. Food prices continued to fall in June, and goods price momentum remains low, meaning that the indirect effects from the energy shock are so far very limited.
- **Chinese PPI** rose in June from 3.9% y/y to 4.1% y/y but is likely close to a peak as PPI fell 0.3% m/m. China's export prices are still going up as chip shortages fuel prices on microchips and computers. Core CPI declined from 1.1% y/y to 1.0% y/y.

### Markets price euro area inflation above target until 2028

#### Euro area marked-based inflation expectations (HICP fixings)

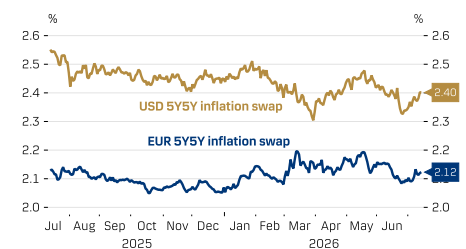


Source: Eurostat, Macrobond, Danske Bank

### Today's key points

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

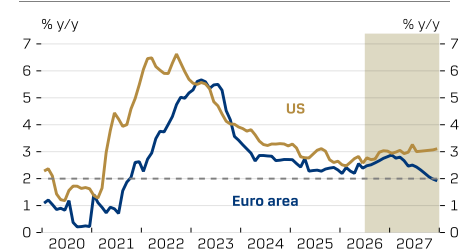
### Markets' long-term inflation expectations have risen, but only marginally



Note: Past or current performance is no guarantee of future performance

Source: Bloomberg, Macrobond

### Core inflation outlook



Source: BLS, Eurostat, Danske Bank, Macrobond

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# Top down overview

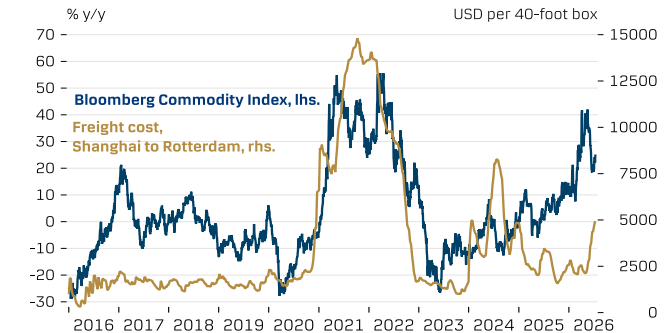
## Overview of inflation drivers

### Inflation Dashboard (3-6M trend)

|                        |               |   |
|------------------------|---------------|---|
| Commodity prices       | Oil           | ↑ |
|                        | Metals        | ↑ |
|                        | Food stuff    | ↑ |
| Supply Chains          | Freight rates | → |
| Wage pressure          |               | ↓ |
| Productivity growth    |               | → |
| Inflation expectations |               | ↑ |
| Pricing power          |               | → |

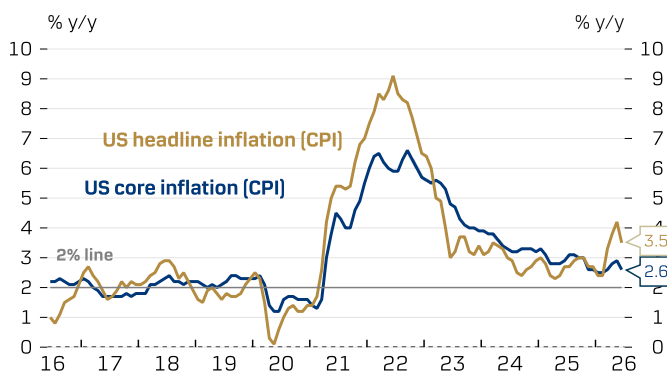
Source: Danske Bank

## Commodity price and freight inflation



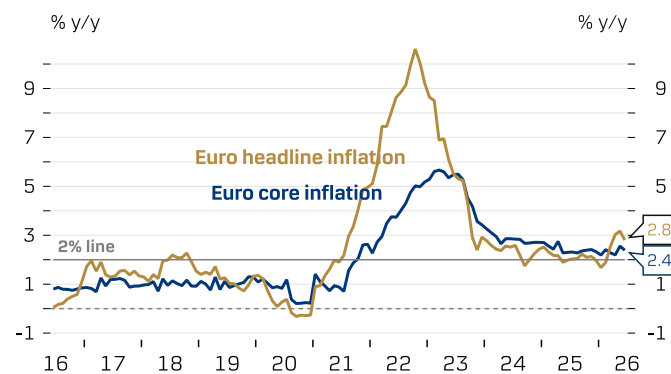
Source: Macrobond Financial, Eurostat, Bloomberg US headline and core inflation (CPI)

## US headline and core inflation (CPI)



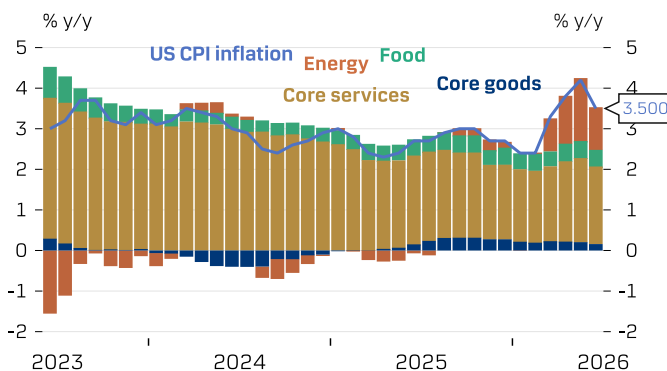
Source: Macrobond Financial, BLS

## Euro headline and core inflation



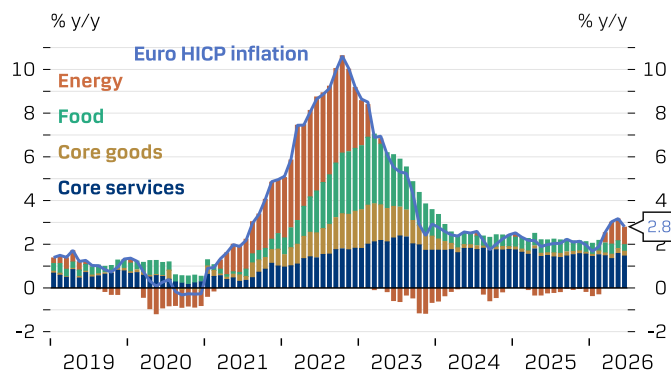
Source: Macrobond Financial, Eurostat

## Contributions to US inflation



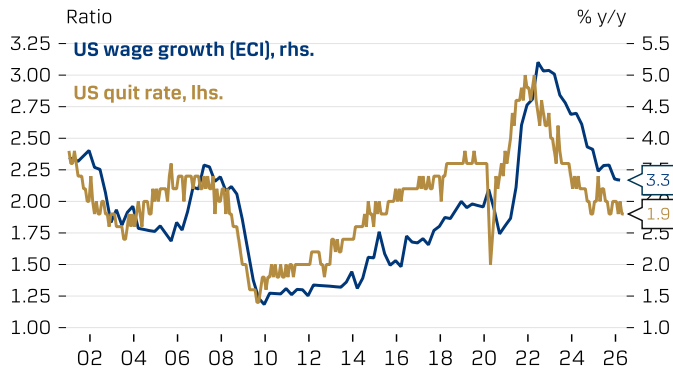
Source: Macrobond Financial, BLS Source: Macrobond Financial, Eurostat

## Contributions to euro inflation



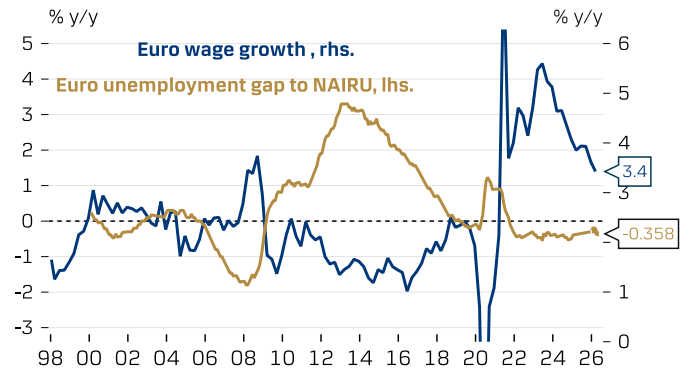
Source: Macrobond Financial, Eurostat

### US wage growth and labour market tightness



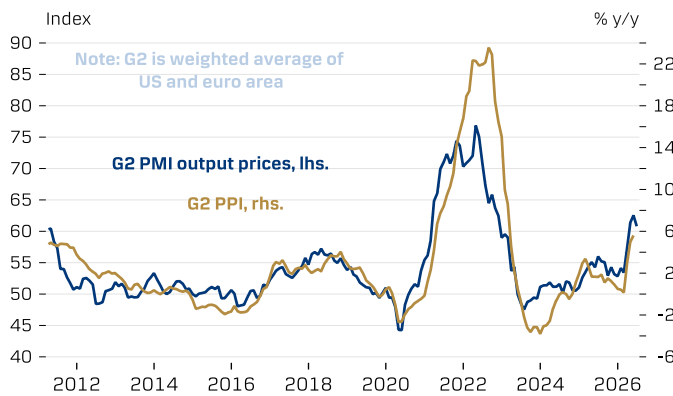
Source: Macrobond Financial, BLS

### Euro wage growth and labour market tightness



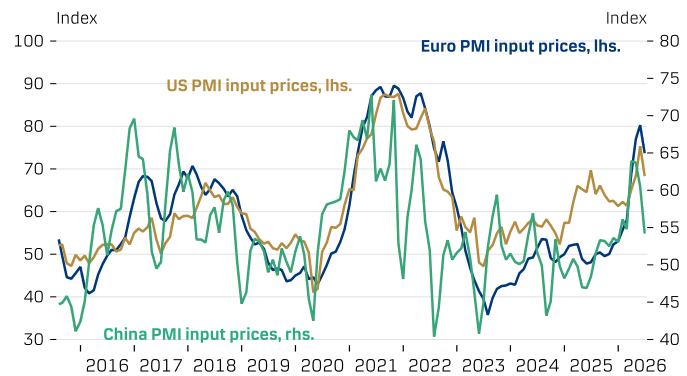
Source: Macrobond Financial, Eurostat, ECB

### G2 PPI inflation vs oil price inflation



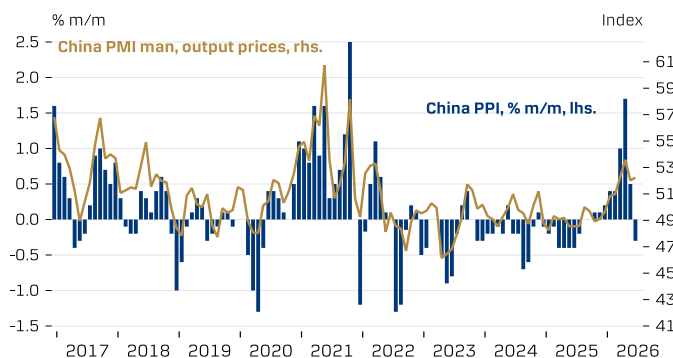
Source: Macrobond Financial, BLS, Eurostat

### PMI input price indices US, Euro and China



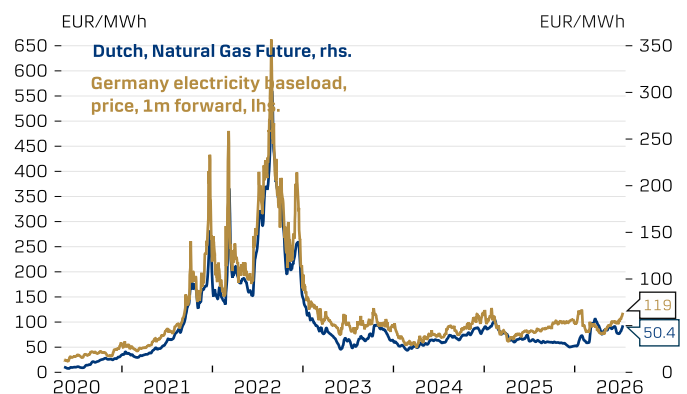
Source: Macrobond Financial, Markit

### China PPI inflation momentum



Source: Macrobond Financial, Markit

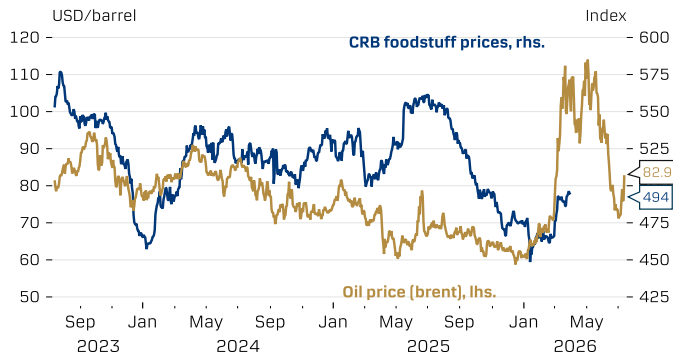
### European natural gas and electricity prices



Note: Past or current performance is no guarantee of future performance

Source: Macrobond Financial, PBoC, Danske Bank

### Commodity price levels – oil and food



Source: Macrobond Financial, Bloomberg

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

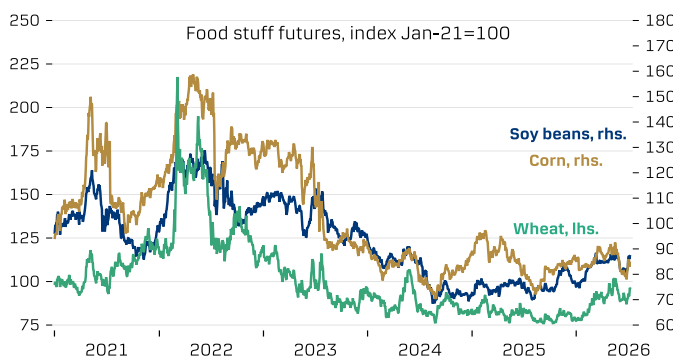
### Commodity price levels – metals and iron ore



Source: Macrobond Financial, Bloomberg

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

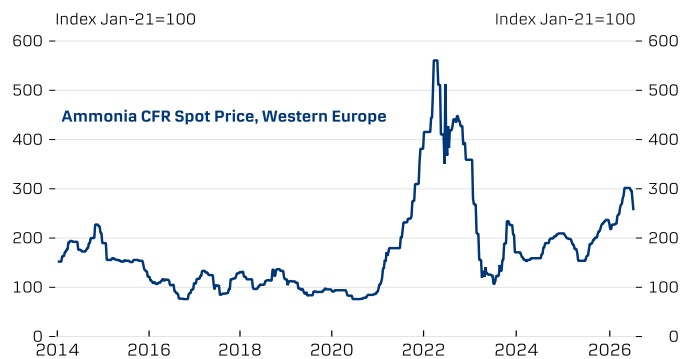
### Grain prices



Source: Macrobond Financial, Bloomberg

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

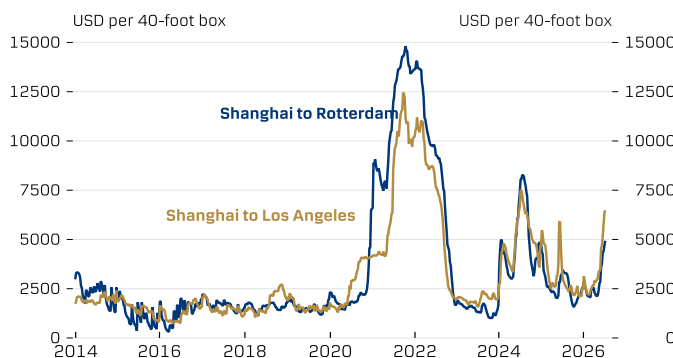
### Fertilizer input prices



Source: Macrobond Financial, Bloomberg

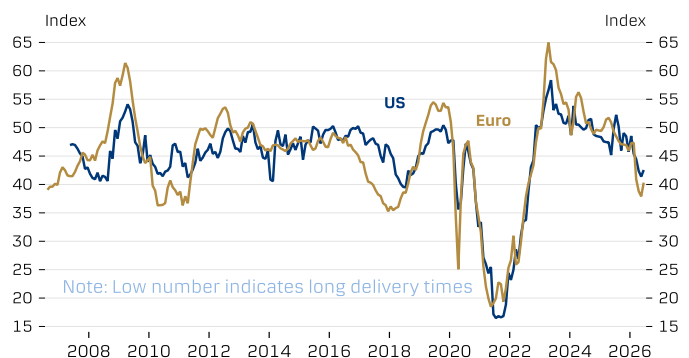
Note: Past performance is not a reliable indicator of future performance.

### Freight rates



Source: Macrobond Financial, Bloomberg, WCI

### Bottle necks – PMI supplier delivery indices



Source: S&P Global, Macrobond Financial

## Country details - US

### Top down

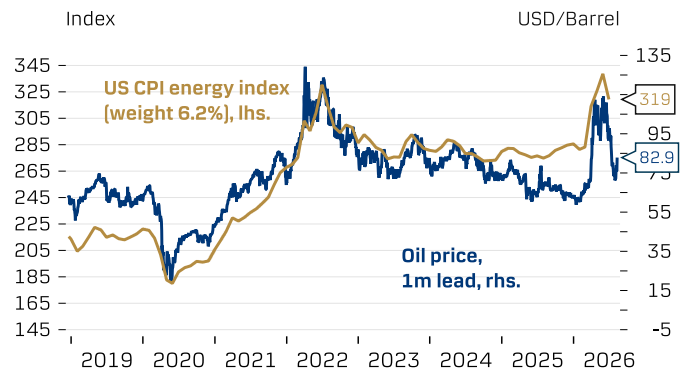
#### Headline CPI inflation vs. oil prices



Source: Macrobond Financial, BLS.

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

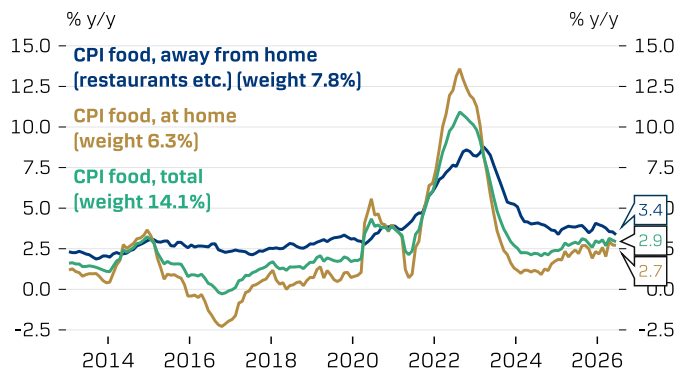
#### CPI energy prices vs oil



Source: Macrobond Financial, BLS.

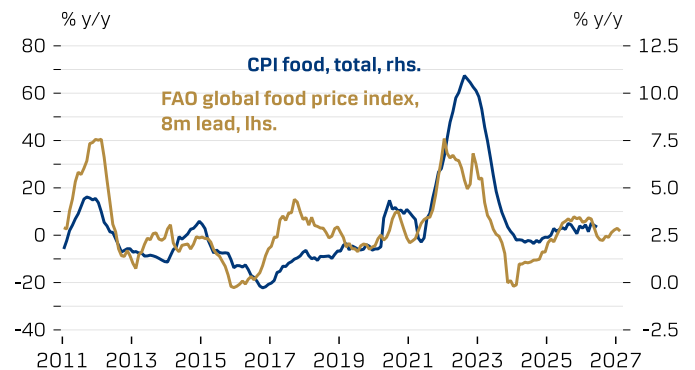
Note: Past performance is not a reliable indicator of future performance.

#### Food prices



Source: Macrobond Financial, BLS

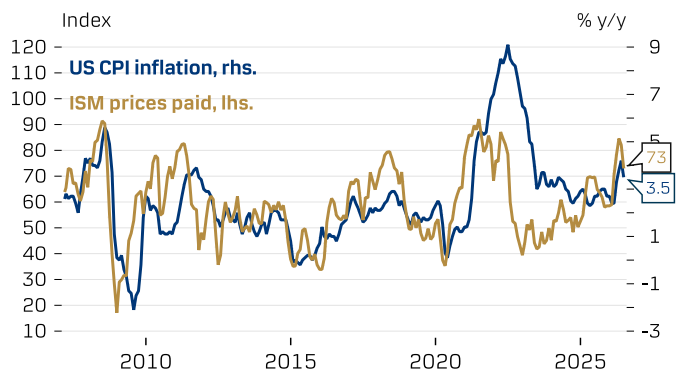
#### Food prices vs FAO food price index



Source: Macrobond Financial, FAO, BLS

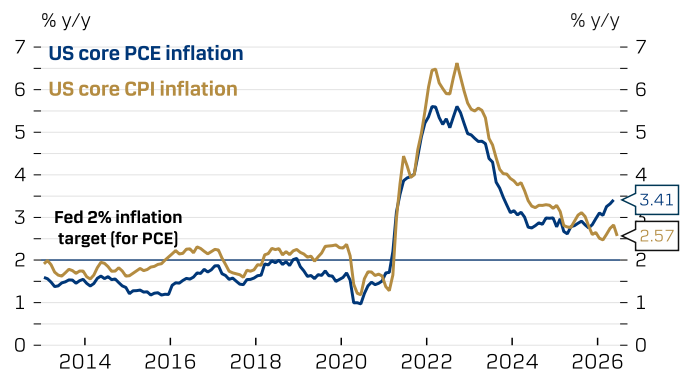
Note: Past performance is not a reliable indicator of future performance.

#### US PMI output prices vs CPI inflation



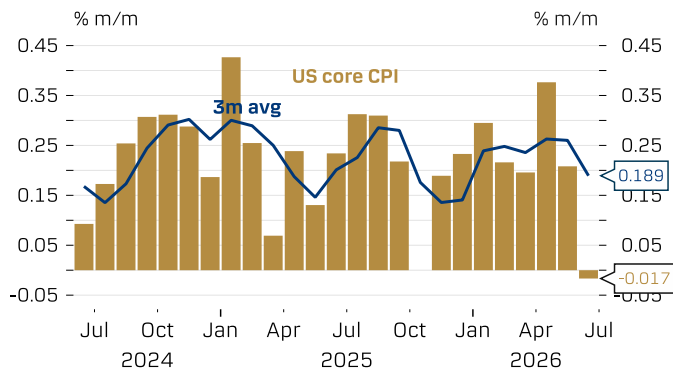
Source: Macrobond Financial, BLS, Markit

#### Core PCE inflation vs core CPI inflation



Source: Macrobond Financial, BLS, BEA

### Core CPI momentum



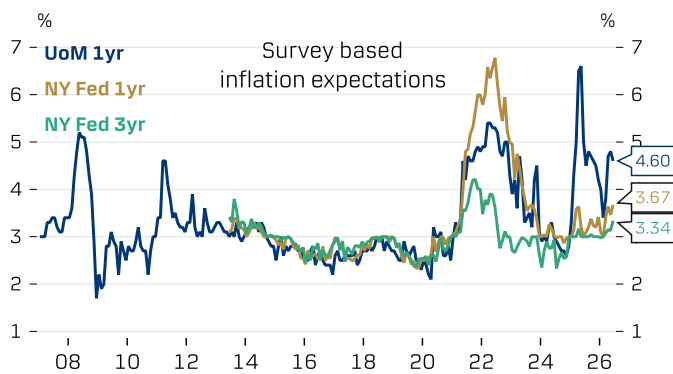
Source: Macrobond Financial, BLS

### Headline CPI since 1980



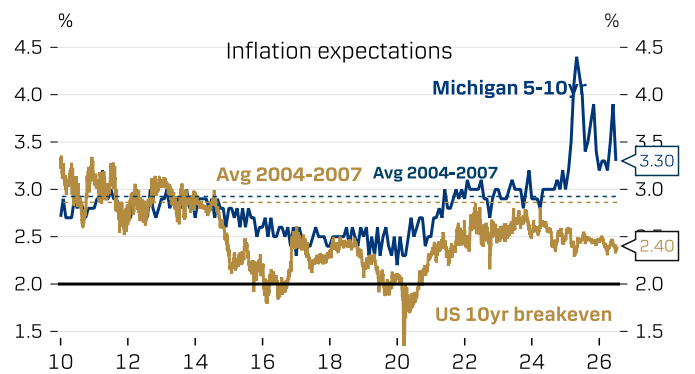
Sources: BEA, BLS, Macrobond Financial

### Survey-based inflation expectations



Source: NY Fed, University of Michigan, Macrobond Financial

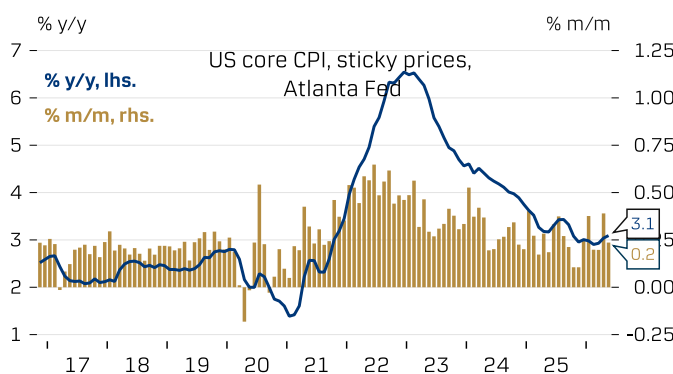
### Long-term inflation expectations



Source: Macrobond Financial, University of Michigan

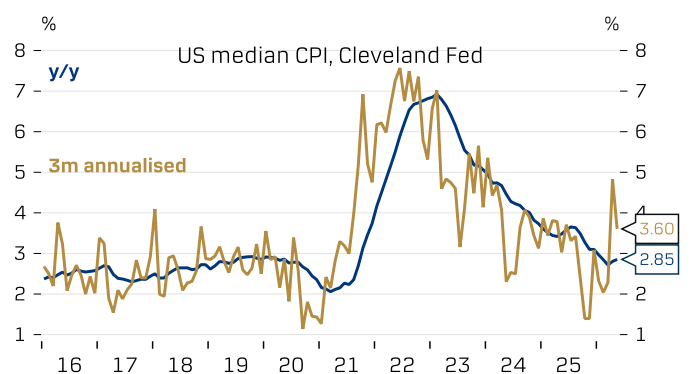
Note: Past performance is not a reliable indicator of future performance.

### Core sticky prices inflation (prices changed less frequently)



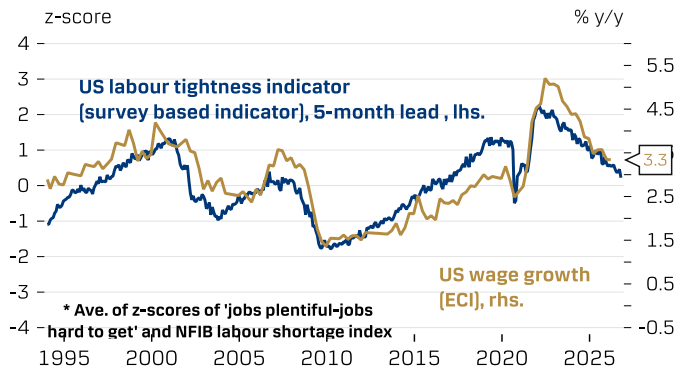
Source: Macrobond Financial, Atlanta Fed

### Median CPI inflation



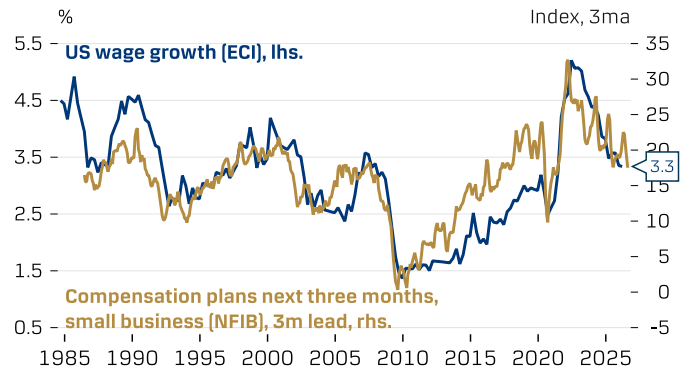
Source: Macrobond Financial, Cleveland Fed

### Labour market tightness: wage growth vs tightness



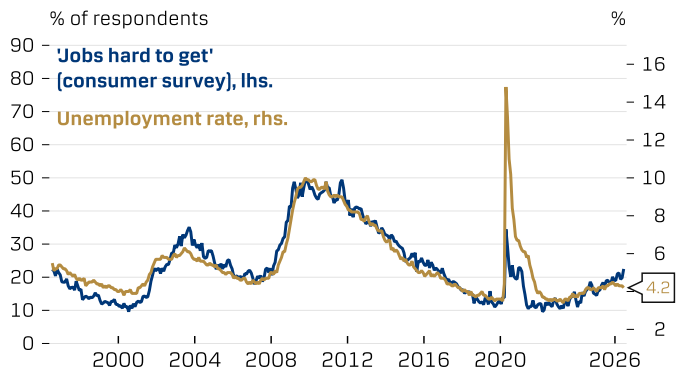
Source: Macrobond Financial, Conference Board, NFIB, BLS, Danske Bank

### Labour market tightness: job openings and shortage



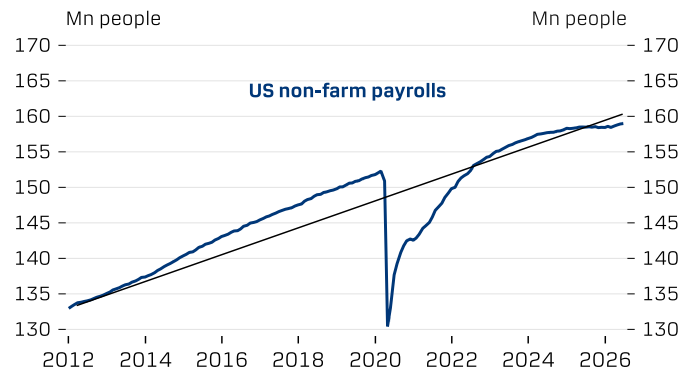
Source: Macrobond Financial, NFIB, BLS

### Labour market tightness: Jobs hard to get and unemployment



Source: Macrobond Financial, Conference Board, BLS

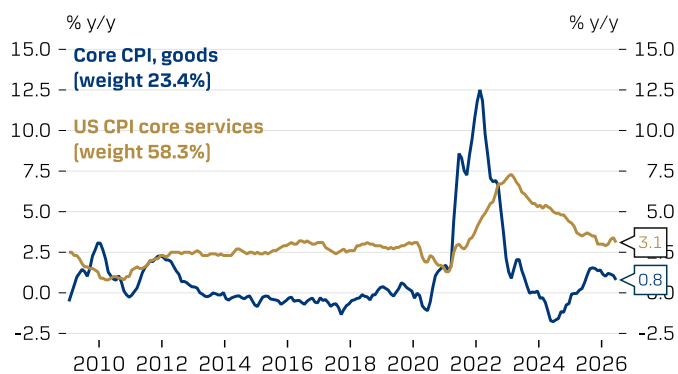
### Employment gap



Source: Macrobond Financial, BLS

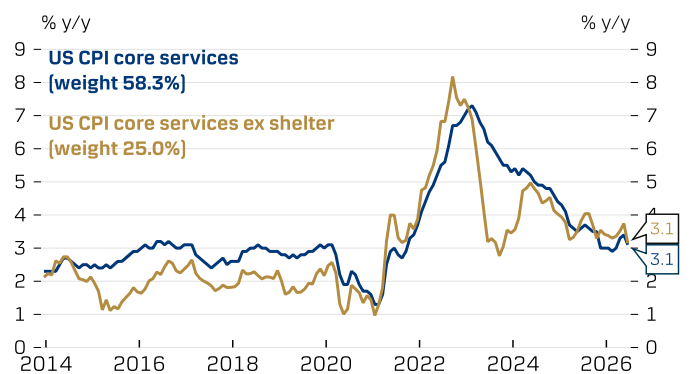
## Bottom up

### Core goods vs. services



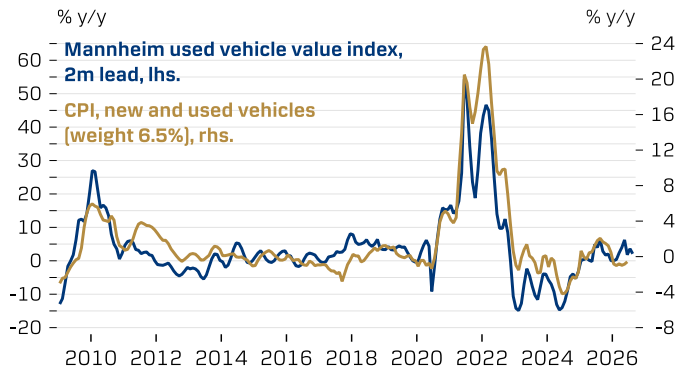
Source: Macrobond Financial, BLS

### Core services ex shelter



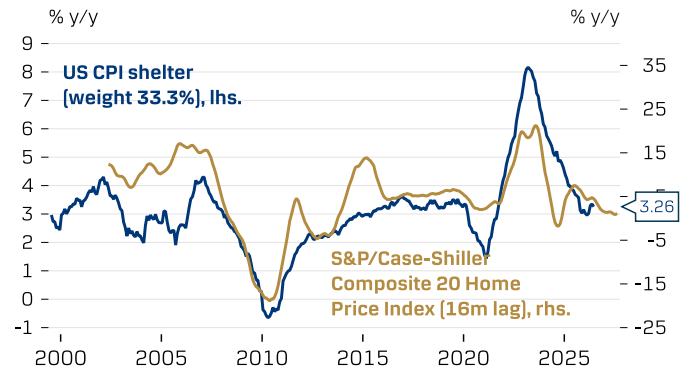
Source: Macrobond Financial, BLS

### Used car prices



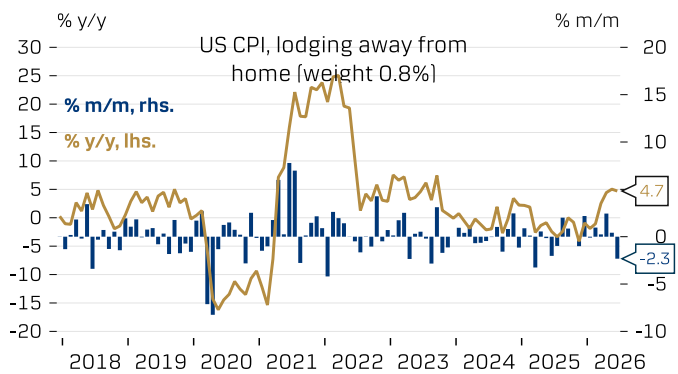
Source: Macrobond Financial, BLS, Manheim Consulting

### Rent of shelter



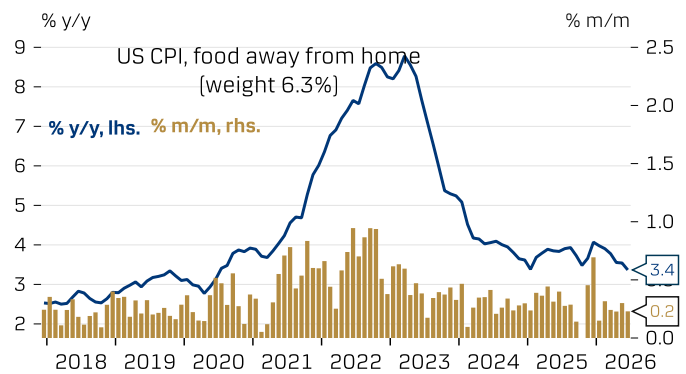
Source: Macrobond Financial, BLS, S&P Dow Jones

### Lodging away from home (hotels etc.)



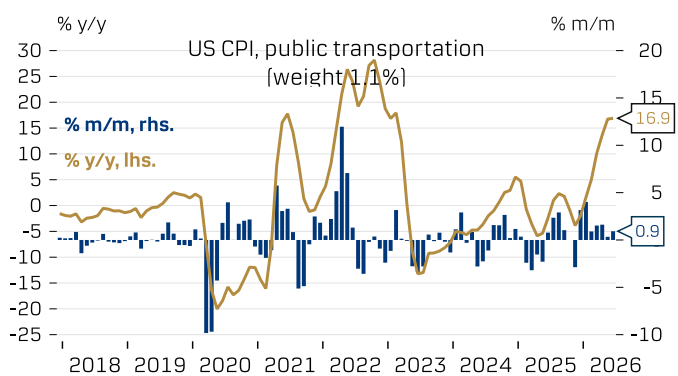
Source: Macrobond Financial, BLS

### Food away from home (restaurants etc.)



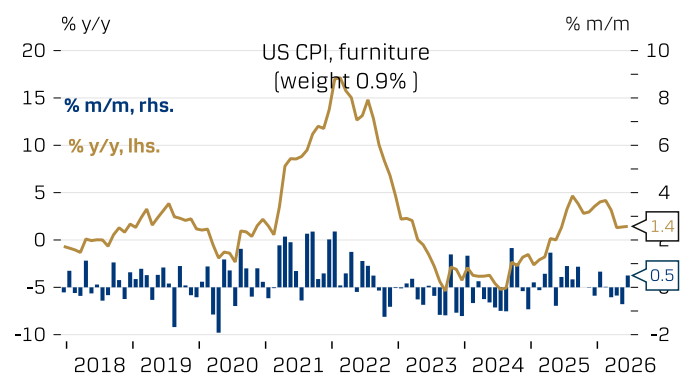
Source: Macrobond Financial, BLS

### Public transportation (airfares etc.)



Source: Macrobond Financial, BLS

### Furniture

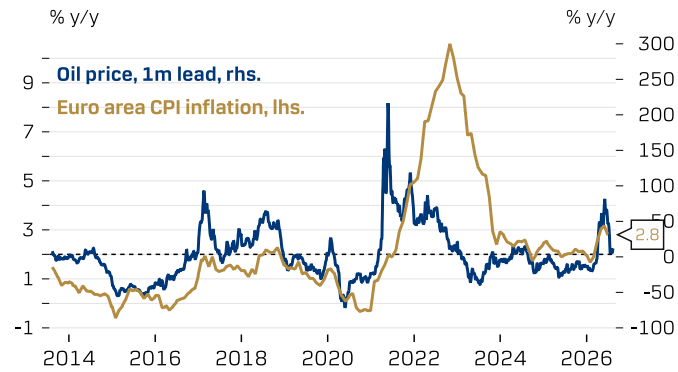


Source: Macrobond Financial, BLS

# Country details – Euro area

## Top Down

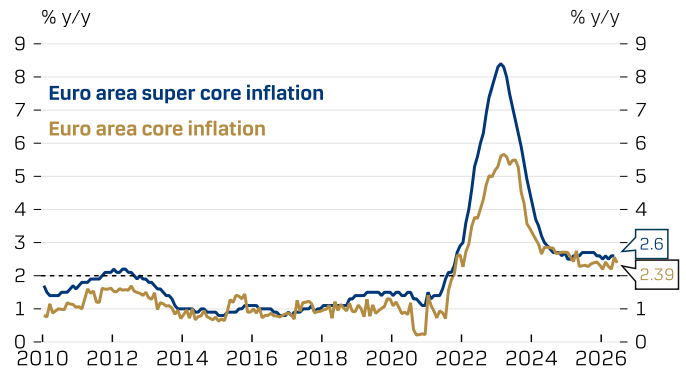
### Headline vs. oil prices



Source: Macrobond Financial, Eurostat

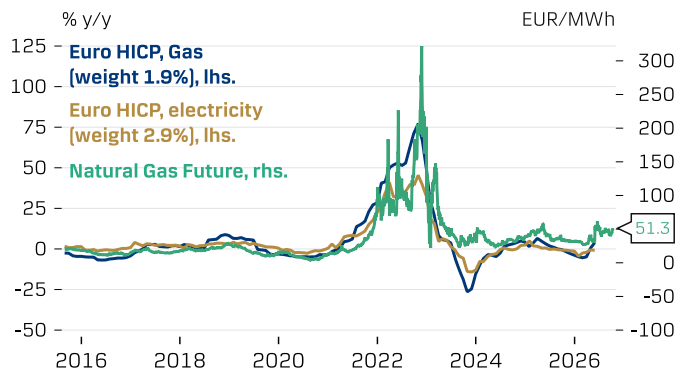
Note: Past performance is not a reliable indicator of future performance.

### Core inflation



Source: Macrobond Financial, Eurostat, Danske Bank

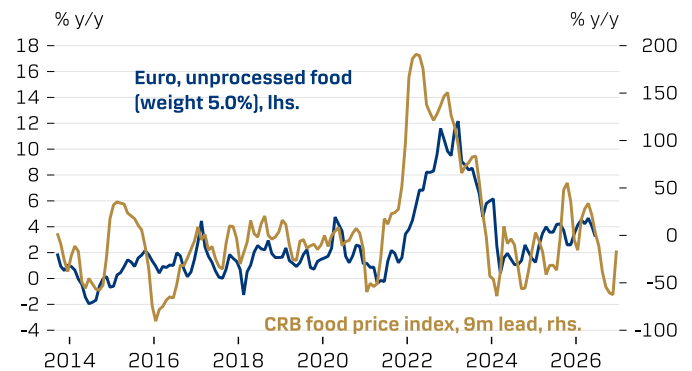
### Natural gas & electricity



Source: Macrobond Financial, Eurostat

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

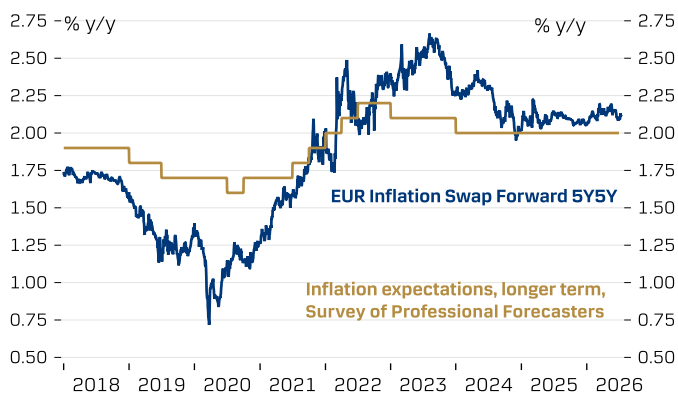
### Food



Source: Macrobond Financial

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

### Inflation expectations



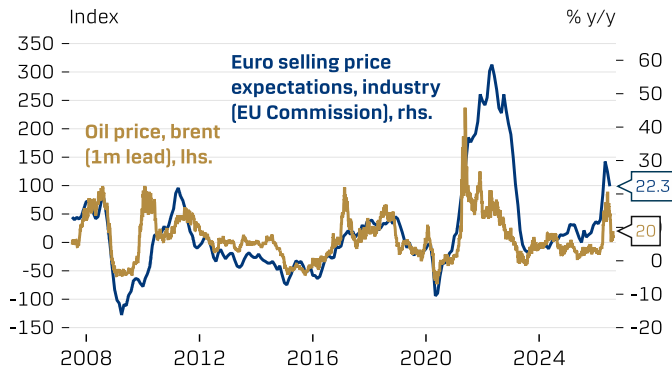
Source: ECB, Bloomberg, Macrobond Financial

### Consumer confidence - price expectations



Source: Macrobond Financial, EU Commission, Eurostat

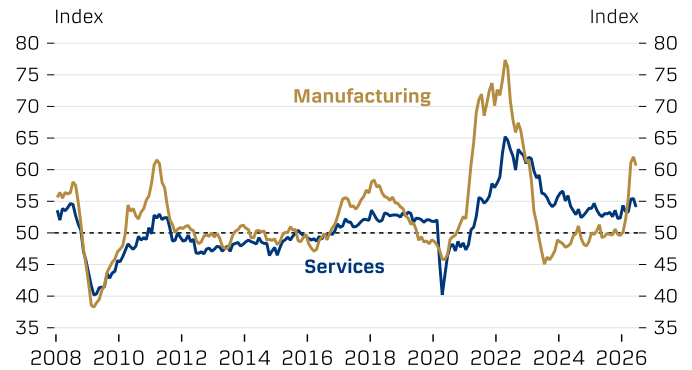
### Selling price expectations from companies



Source: Macrobond Financial, EU Commission

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

### PMI output prices



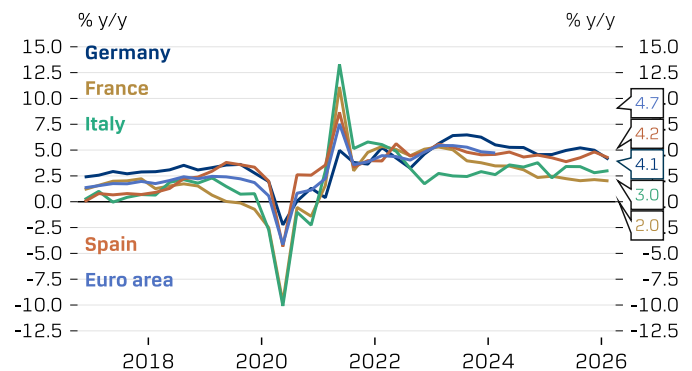
Source: Macrobond Financial, Markit

### Labour shortage and wage growth



Source: Macrobond Financial, EU Commission

### Wage growth (compensation per employee)

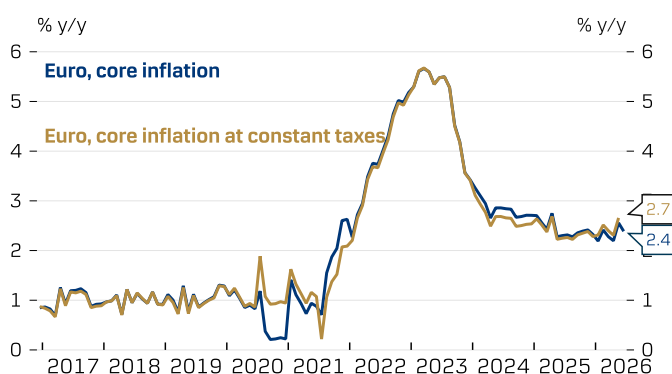


Source: Macrobond Financial, ECB.

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

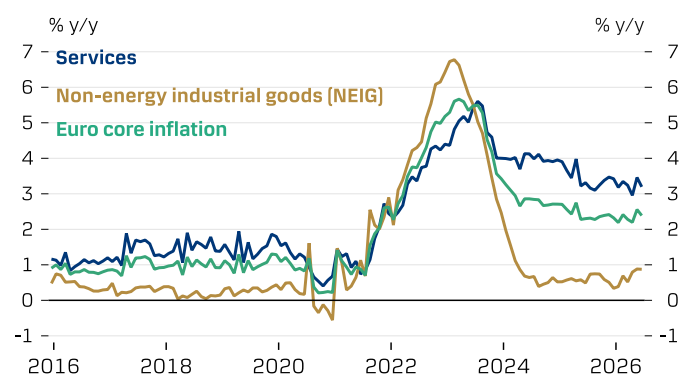
## Bottom up

### Core inflation, effect from taxes



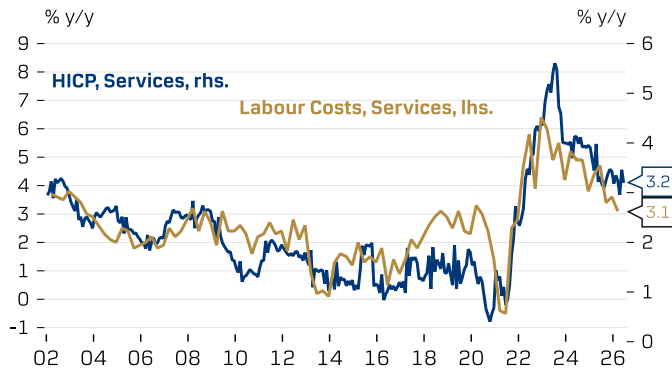
Source: Macrobond Financial, Eurostat

### Core inflation components



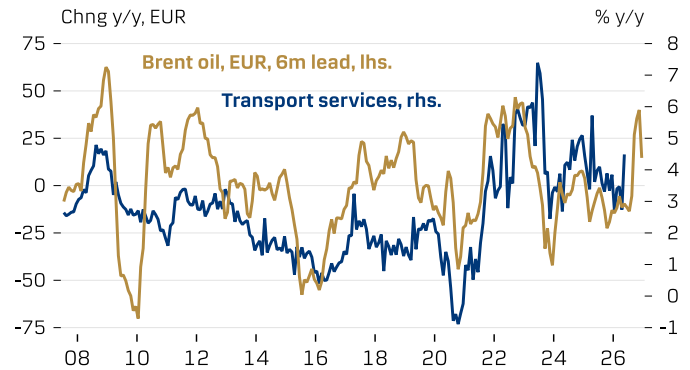
Source: Macrobond Financial, Eurostat, ECB

### Service inflation vs. labour costs



Source: Macrobond Financial, Eurostat, Danske Bank

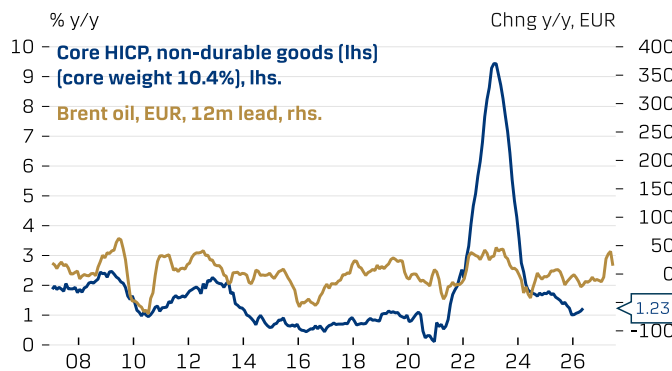
### Transport services vs. oil



Source: Macrobond Financial, Eurostat, Danske Bank

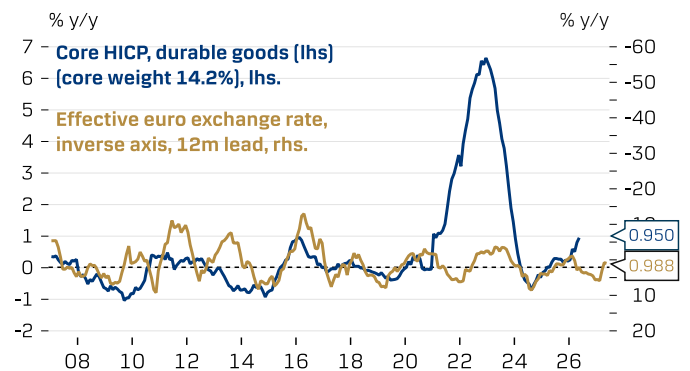
Note: Past performance is not a reliable indicator of future performance.

### Core non-durable goods



Source: Macrobond Financial, Eurostat

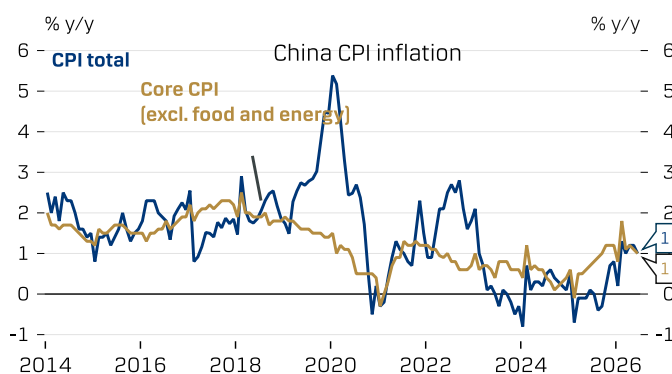
### Core durable goods



Source: Macrobond Financial, BIS, Eurostat

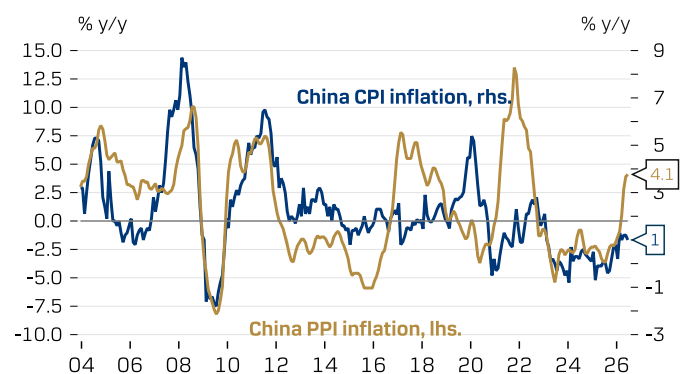
## Country details – China

### CPI and core CPI



Source: Macrobond Financial, NBS

### PPI vs. CPI



Source: Macrobond Financial, NBS

### PPI vs. commodity prices



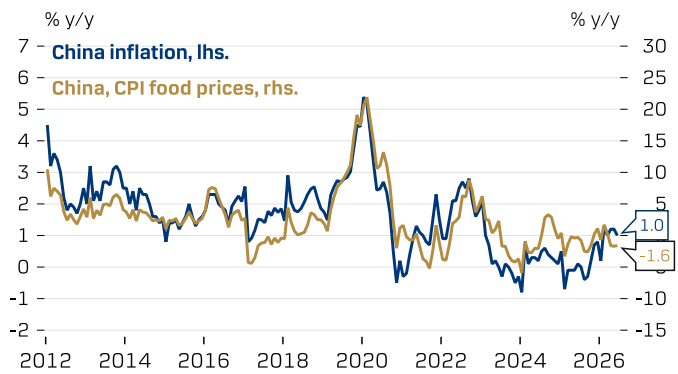
Source: Macrobond Financial, NBS

### PPI vs. export prices



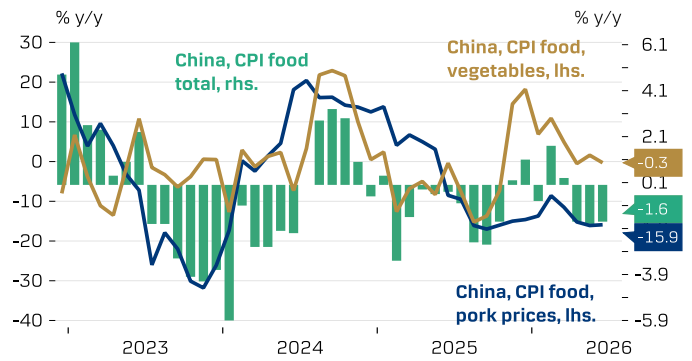
Source: Macrobond Financial, NBS, Danske Bank

### CPI vs. food prices



Source: Macrobond Financial, NBS

### CPI food prices



Source: Macrobond Financial, NBS

## Disclosures

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

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Monthly

### Date of first publication

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