EuroZone Market Monitor – 31 May 2022

Data sources: Bloomberg; Barclays; EuroStat; Oxford-Man Institute; Milliman FRM

# **Milliman**

# **Asset Price Monitor**

# Local Equity Markets

- Most major equity markets ended the month of May with modest gains, despite a volatile start to the month, as the war in Ukraine, lockdowns in China, and global tightening monetary policy continued to weigh on risk sentiment.
- The FTSE 100 gained 1.1%, up 4.8% year-todate.
- The Euro Stoxx 50 was up 1.3%.

# **Global Equity Markets**

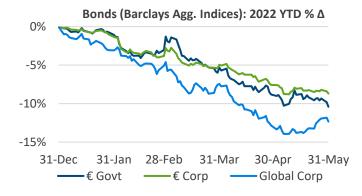
- The S&P 500 ended the month relatively flat, whilst the Japanese Topix index returned 0.8%.
- The MSCI Emerging Market index was up 0.5% at month-end.

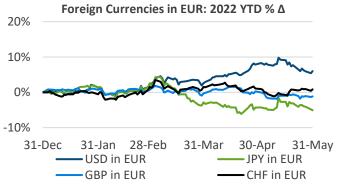
#### **Bond/FX Markets**

- The European government bond index ended the month down 1.7%. The European corporate bond index lost 1.2%.
- The Euro recovered its losses from earlier in the month and was up against most major currencies at month-end, gaining 1.8% and 1.4% against the US Dollar and the British Pound, respectively.









#### Total Returns as of May 31, 2022

							•					
	Euro Stoxx 50	FTSE 100	SMI	US (S&P)	Japan (Topix)	Em/Mkts (MSCI)	€ Govt	€ Corp	CHF in EUR	USD in EUR	JPY in EUR	GBP in EUR
1 Month	1.3%	1.1%	-4.1%	0.2%	0.8%	0.5%	-1.7%	-1.2%	-0.2%	-1.8%	-0.8%	-1.4%
3 Month	-1.2%	3.3%	-0.5%	-5.2%	2.6%	-7.2%	-7.6%	-5.1%	0.1%	4.4%	-6.5%	-1.6%
1 Year	-3.0%	12.4%	5.1%	-0.3%	1.8%	-19.6%	-10.5%	-8.9%	6.9%	14.0%	-2.9%	1.2%
YTD	-9.5%	4.8%	-7.4%	-12.8%	-2.8%	-11.7%	-10.4%	-8.7%	0.9%	6.0%	-5.1%	-1.1%

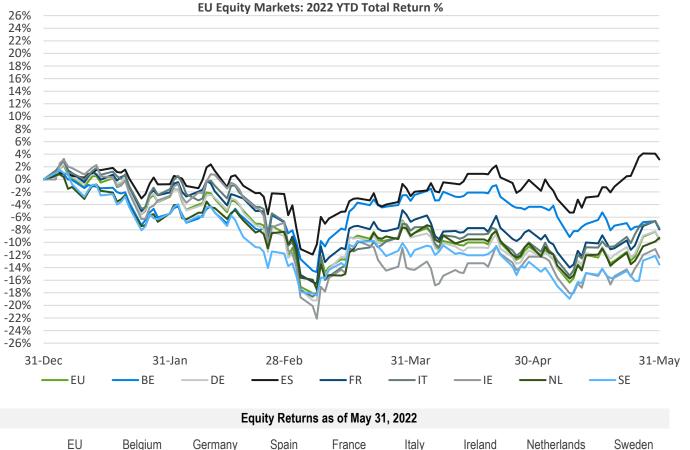


EuroZone Market Monitor – 31 May 2022

Data sources: Bloomberg; Barclays; EuroStat; Oxford-Man Institute; Milliman FRM

# **Eurozone Equity**

- European equity markets had a mixed performance in May.
- The Belgian equity index was the worst performer of the month, down 3.7%.
- The Spanish equity market outperformed its European peers in May, gaining 3.2%. The index remains the best performer of the region for the year so far, up 3.2% year-todate.
- The Swedish equity market has suffered the largest losses in 2022, falling by 13.5% year-to-date.



	EU	Belgium	Germany	Spain	France	Italy	Ireland	Netherlands	Sweden		
1 Month	1.3%	-3.7%	2.1%	3.2%	0.1%	2.5%	-0.2%	1.0%	-0.5%		
3 Month	-1.2%	-1.2%	-0.5%	5.6%	-1.2%	-1.1%	-5.9%	-1.1%	-2.0%		
QTD	-0.7%	-4.6%	-0.2%	6.0%	-1.3%	0.4%	2.2%	-0.3%	-1.4%		
YTD	-9.5%	-7.9%	-9.4%	3.2%	-7.9%	-7.7%	-12.4%	-9.3%	-13.5%		

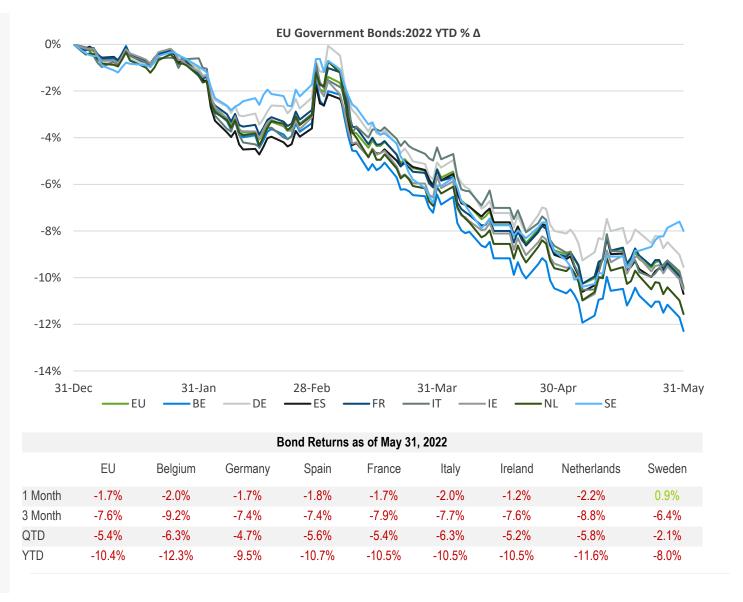


EuroZone Market Monitor – 31 May 2022

Data sources: Bloomberg; Barclays; EuroStat; Oxford-Man Institute; Milliman FRM

#### **Eurozone Government Bonds**

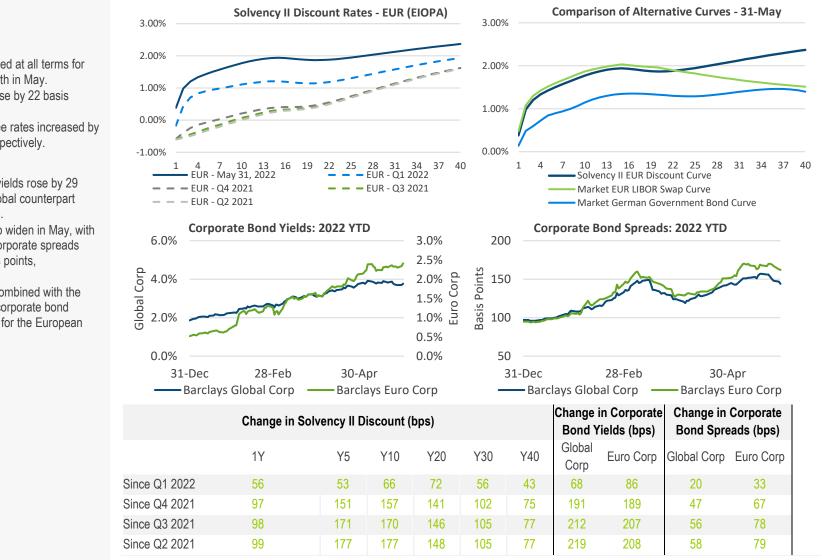
- All major European government bond indices continued their selloff in May, except for Sweden, which saw its government bond index gain 0.9%.
- The Dutch government bond index lost 2.2%, the largest fall in the region.
- The Belgian government bond index remains the worst performer year-to-date, down 12.3%.
- The Swedish government bond index has witnessed the smallest drop for the year, down 8.0% year-to-date.





EuroZone Market Monitor – 31 May 2022

Data sources: Bloomberg; Barclays; EuroStat; Oxford-Man Institute; Milliman FRM



# Liability Valuation Monitor

#### **Risk Free Rates**

- EUR risk-free rates increased at all terms for the fourth consecutive month in May.
- The 1-year risk-free rate rose by 22 basis points.
- The 30 and 20-year risk-free rates increased by 15 and 18 basis points, respectively.

#### **Corporate Bonds**

L Milliman

- European corporate bond yields rose by 29 basis points, whilst their global counterpart increased by 3 basis points.
- Credit spreads continued to widen in May, with the European and global corporate spreads widening by 11 and 2 basis points, respectively.
- The rise in risk-free rates combined with the widening in the European corporate bond spreads, resulted in losses for the European corporate bond index.

•

the last report.

EuroZone Market Monitor - 31 May 2022

Data sources: Bloomberg; Barclays; EuroStat; Oxford-Man Institute; Milliman FRM



The Solvency II risk-free discount rates are based on applying the Smith-Wilson Extrapolation to LIBOR swap rates sourced from Refinitiv and applying the Credit Risk Adjustment as defined in the Technical Specs. The data is provided by EIOPA and as of 31/05/22.

The Credit Risk Adjustment is a component of the risk-free discount curve defined by EIOPA. It is calculated from actual experience in the 'LIBOR-OIS' spread (3) months for EUR), and is bounded between 0.10 and 0.35. We show actual LIBOR-OIS spread levels and the defined CRA, for EUR.

EIOPA fundamental spreads show the credit spread corresponding to the risk of default or downgrading of an asset. This is shown here across financial and nonfinancial assets, credit quality steps 0-3 and durations of 1-30 years. The data is provided by EIOPA and as of 31/05/22. Fundamental spread = maximum (probability of default + cost of downgrade; 35% of long-term average spread). In the tables we show the 'before floor' measure = probability of default + cost of downgrade.

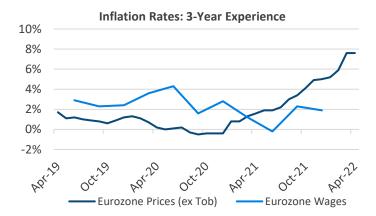


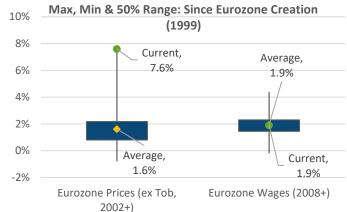
EuroZone Market Monitor – 31 May 2022

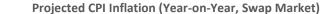
Data sources: Bloomberg; Barclays; EuroStat; Oxford-Man Institute; Milliman FRM

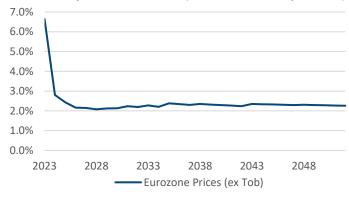
#### Inflation Monitor

- Eurozone price inflation was unchanged in April at 7.6%.
- The projected CPI curve saw a small decline from the previous month in almost all tenors.
- There were no updates to the wage inflation figure this month.











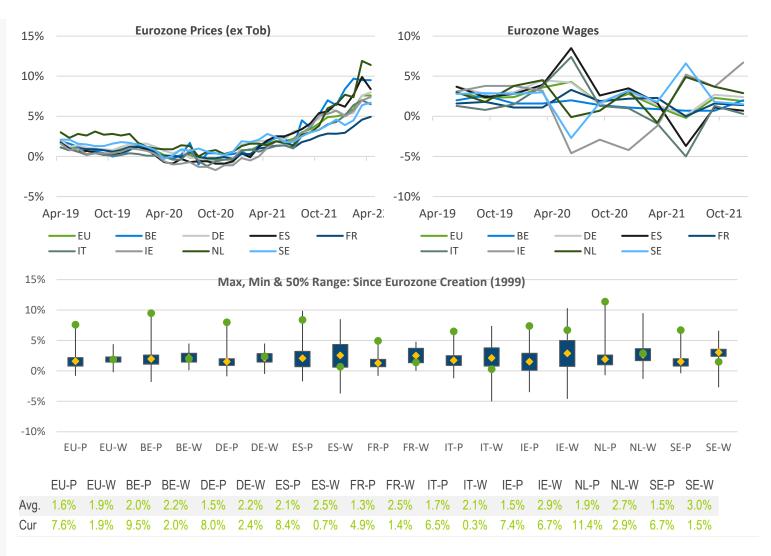


EuroZone Market Monitor – 31 May 2022

Data sources: Bloomberg; Barclays; EuroStat; Oxford-Man Institute; Milliman FRM

#### Inflation Monitor

- Changes in price inflation were mixed in the Eurozone in April.
- Spain witnessed the largest drop in its price inflation in April, with a decline of 150 basis points to 8.4%.
- Both Germany and Ireland saw their price inflation increase by 40 basis points in April, the largest increase in the region.
- France remains the country with the lowest price inflation in the region, at 4.9%.
- The Netherlands posted the highest headline figure, at 11.4%.





EuroZone Market Monitor – 31 May 2022

Data sources: Bloomberg; Barclays; EuroStat; Oxford-Man Institute; Milliman FRM

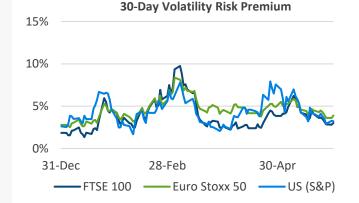
#### Volatility and Hedging Cost Monitor

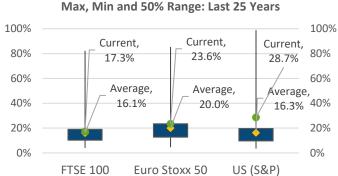
- Realised volatility on major equity indices increased in May. The FTSE 100 had a realised volatility of 17.3% at month-end. The measure stood at 23.6% and 28.7% for the Euro Stoxx 50 and the S&P 500, respectively.
- Volatility risk premiums declined by monthend, as implied volatilities fell sharper than realised volatility towards the end of the month. The FTSE 100 had a volatility risk premium of 3.0%. The volatility risk premiums on the Euro Stoxx 50 and the S&P 500 were 3.9% and 3.2%, respectively.

Please contact Milliman for more information on the basis and methodology used for these results.













EuroZone Market Monitor – 31 May 2022 Data sources: Bloomberg; Barclays; EuroStat; Oxford-Man Institute; Milliman FRM

#### Chicago

71 South Wacker Drive Chicago, IL 60606 +1 855 645 5462

#### London

11 Old Jewry London EC2R 8DU UK +44 0 20 7847 1557

# Sydney

32 Walker Street North Sydney, NSW 2060 Australia +610 2 8090 9100

#### Amsterdam

Haaksbergweg 75 Amsterdam, 1101 BR Netherlands +31 6 211 70 583 Milliman

# Creating transformational improvement in the retirement savings industry.

Milliman Financial Risk Management LLC / Milliman Financial Strategies Ltd. is a global leader in financial risk management to the retirement savings industry. Milliman FRM provides investment advisory, hedging, and consulting services on approximately \$176.1 billion USD in global assets (31 December 2021).

Established in 1998, the practice includes professionals operating from four trading platforms around the world (Chicago, London, Amsterdam and Sydney).

#### MILLIMAN.COM/FRM

Milliman is among the world's largest providers of actuarial and related products and services. The firm has consulting practices in healthcare, property & casualty insurance, life insurance and financial services, and employee benefits. Founded in 1947, Milliman is an independent firm with offices in major cities around the globe.

Recipients must make their own independent decisions regarding any strategies or securities or financial instruments mentioned herein.

The products or services described or referenced herein may not be suitable or appropriate for the recipient. Many of the products and services described or referenced herein involve significant risks, and the recipient should not make any decision or enter into any transaction unless the recipient has fully understood all such risks and has independently determined that such decisions or transactions are appropriate for the recipient.

Past performance is not indicative of future results. Index performance information is for illustrative purpose only, does not represent the performance of any actual investment or portfolio, and should not be viewed as a recommendation to buy/sell. It is not possible to invest directly in an index. Any hypothetical, backtested data illustrated herein is for illustrative purposes only, and is not representative of any investment or product.

Any discussion of risks contained herein with respect to any product or service should not be considered to be a disclosure of all risks or a complete discussion of the risks involved.

The recipient should not construe any of the material contained herein as investment, hedging, trading, legal, regulatory, tax, accounting or other advice. The recipient should not act on any information in this document without consulting its investment, hedging, trading, legal, regulatory, tax, accounting and other advisors.

The materials in this document represent the opinion of the authors and are not representative of the views of Milliman, Inc. Milliman does not certify the information, nor does it guarantee the accuracy and completeness of such information. Use of such information is voluntary and should not be relied upon unless an independent review of its accuracy and completeness has been performed. Materials may not be reproduced without the express consent of Milliman.

Milliman Financial Strategies Ltd. is authorised and regulated by the Financial Conduct Authority. Firm Registration Number 539399