

1Q 2021

Government Bond Data Report

European market data update

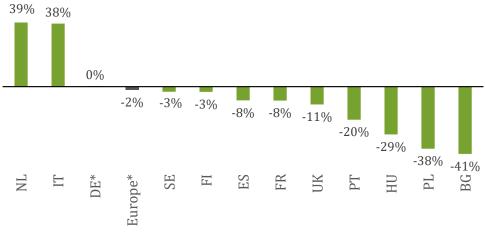


afme/ Contents

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1.Annual changes in Government Bond average daily trading volumes (1Q21 vs 1Q20) Selected European jurisdictions



2.Quarterly change in Government Bond average daily trading volumes (1Q21 vs 4Q20) Selected European jurisdictions



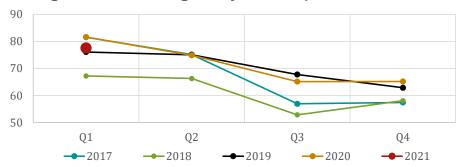
Source: AFME with information from European DMOs and other agency sources and Trax, a MarketAxess subsidiary. *Europe (EU+UK) total and German turnover is sourced from Trax Facts as the quarterly variation of average daily volumes of government and sovereign bonds. **Romanian turnover volume calculated using outstanding volumes in Section 3.

European government bond trading decreased 1.9% YoY and increased 18.9% QoQ in 1Q21

Average daily trading volumes of European government bonds decreased by 1.9% YoY during 1Q21, driven by a significant decrease in trading in Poland (-37.7% YoY), Portugal (-20.1% YoY), the UK (-10.8% YoY), France (-8.5% YoY) and Spain (-8.3% YoY). There was an increase in trading in the Netherlands (38.9% YoY) and Italy (38.2%), (see charts 1 and 2).



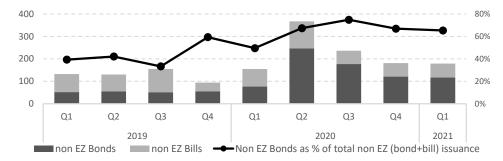
3. Seasonality of European government bond trading (quarterly trading volumes, average daily, EUR bn)



4. Eurozone bond and bill issuance (2019-2021, EUR bn)



5. Non-Eurozone (incl. UK) bond and bill issuance (2019-2021, EUR bn)



Source: Trax, a MarketAxess subsidiary [chart 3], ECB, National Debt Management Offices and UK Debt Management Office. [charts 4 & 5].

European government bond trading robust in Q1 2021 as volumes represent the second-highest quarterly traded volume since Q1 2017.

EUR 924 bn bonds and bills issued in Q1 2021 as European governments continue to face large funding demands.

Issuance volumes have normalised since their peak in 2Q20 (EUR 1350.7 bn), but volumes are greater than pre-pandemic levels, with total European issuance in 1Q21 (EUR 923.9 bn) up 26.6% (YoY) from 1Q20, and up 35.0% compared to 1Q19

Of the EUR 923.9 bn issued during 1Q21, EUR 745.0 bn (80.6%) was issued in Eurozone countries whilst EUR 178.9 bn was issued in non-Eurozone countries.

The funding mix between bonds and bills has diverged between Eurozone and non-Eurozone countries. The percentage bond issuance relative to total debt issuance increased to 65.3% during 1Q21 in non-Eurozone countries from 49.5% in 1Q20. In Eurozone countries, 54.0% of total funding was derived from bonds in 1Q21, up from 52.5% in 1Q20.

Inaugural issuance of NextGenerationEU bonds

Although not covered in detail in this report, the EUR 20 bn issued in June 2021 represents the first block of EUR 800 bn of bonds to be issued by the European Commission (on behalf of the EU) between 2021-2026, of which EUR 60 bn is expected to be issued before end-2021.

The inaugural NGEU bond experienced high levels of demand with over EUR 142 bn of orders-(or seven times oversubscribed). It was the largest-ever institutional bond issuance in Europe, the largest-ever institutional single transaction and the largest amount the EU has ever raised in a single transaction.



6. European outstanding green, social and sustainable (ESG) government bonds (2016-2021, EUR bn)



7. Active sovereign participants of ESG government bond market (as of Mar-21)



Source: Thomson Reuters Eikon.

Outstanding volumes of European sovereign ESG bonds reach EUR 158.2 as volumes driven by highest-ever quarterly green bond issuance of EUR 18.6 bn and additional EUR 23.0 bn in EU SURE social bonds issued during Q1 2021.

EUR 18.6 bn issued in green bonds during Q1 2021 represents the highest quarterly issuance of green government bonds in Europe to date.

Green volumes were driven by the inaugural Italian green bond (EUR 8.5 bn), a new French green issue (EUR 7bn) and additional volumes added to the market via tap issuance in the Belgian and Dutch green bonds.

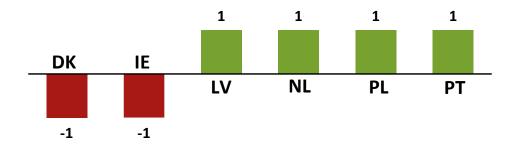
EUR 23.0 bn in EU SURE social bonds were issued during Q1 2021, receiving very high demand with issuance seven-times oversubscribed.

15 European sovereign issuers set to be active in ESG markets by end-2021

As Italy joins 10 other European government issuers and the European Commission as active participants in European sovereign ESG markets, another 4 sovereigns have indicated they will bring inaugural ESG issuance to the market before the end of 2021, meaning 15 (or 54%) of European sovereign issuers are expected to be active in ESG markets by the end of this year.



8. Net number of Changes (Exits+Entries) in European Primary Dealership (Jan 2021-Jun 2021)



Net gain of 2 primary dealers in Europe from Jan 2021 to June 2021

From January 2021 to June 2021, there were 3 exits and 5 entries of banks to the European Primary Dealer system, affecting sovereign debt markets in 7 countries. Spain, which had a net change of 0, experienced both one exit and one entry.

The EU primary dealer network was announced in May 2021, with 39 member banks, to ensure efficient placement and supporting liquidity for the NextGenerationEU bond scheme.

During 1Q21 there was 1 upgrade and no downgrades in long-term credit ratings for European countries

This brings the year-to-date total to 2 upgrades and no downgrades (there was 1 further upgrade in 2Q21 to date).

Greece, which was upgraded by one notch to BB from BB- in April 2021, is now only two notches below investment grade.

afme/ Regulatory update

Major upcoming regulatory, legislative and policy initiatives

There are several regulatory initiatives currently being considered at the European and national level with expected impact on the government bond markets. Some of the key initiatives recently implemented or soon to be applied include:

- Basel III
- CSDR
- Fundamental Review of the Trading Book (FRTB)
- Prospectus Regulation
- MIFID II Review

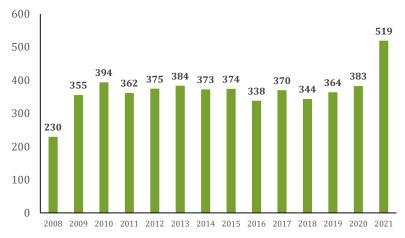
AFME and its members actively contribute on all of these and other initiatives.



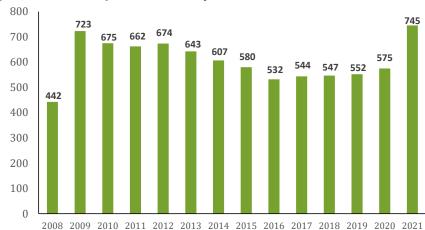
Issuance

afme/ Gross Issuance

1.1 European (EU+UK) Government Bond gross issuance year-to-date (1Q, EUR bn)

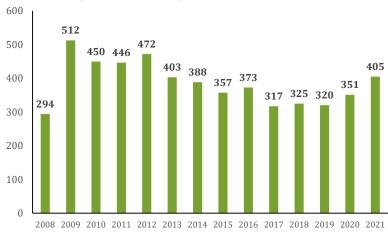


1.3 Eurozone bonds and bills gross issuance year-to-date (1Q, EUR bn)



Source: ECB, National Debt Management Offices and UK Debt Management Office.

1.2 European (EU+UK) Treasury Bills gross issuance (1Q, EUR bn)

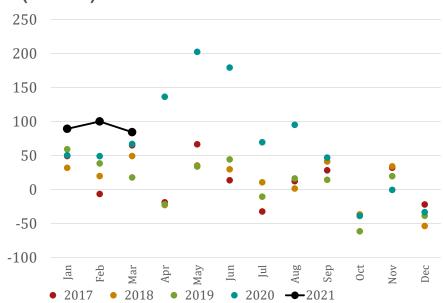


1.4 Non-Eurozone bonds and bills gross issuance (1Q, EUR bn)

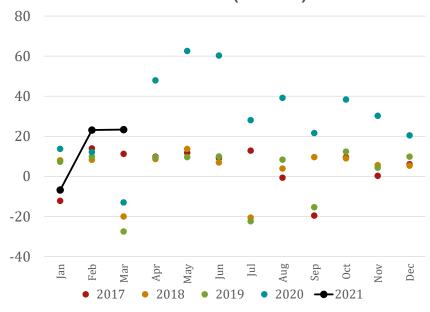




1.5 Euro area net sovereign debt issuance (EUR bn)



1.6 UK Gilts net issuance (GBP bn)

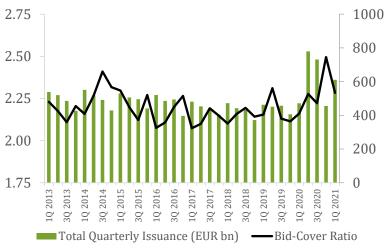




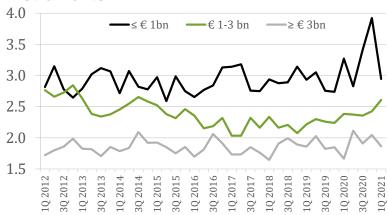
Recent Auctions and Primary Dealers



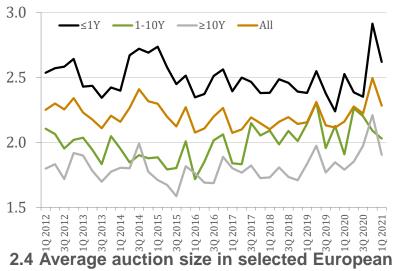
2.1 Average bid-cover ratios and issued volumes in selected jurisdictions (EUR bn)



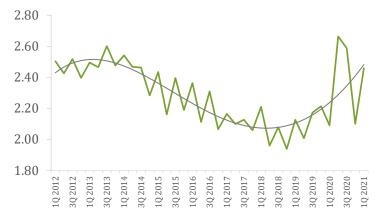
2.3 Average bid-cover ratios by size of issued instruments



2.2 Average bid-cover ratios by tenor (years) of issued instrument

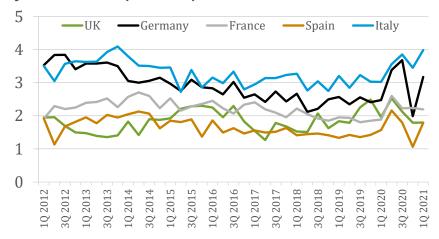


jurisdictions (EUR bn)

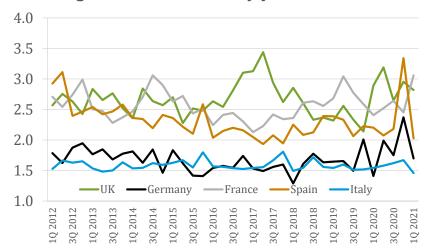


Recent Auctions Finance for Europe

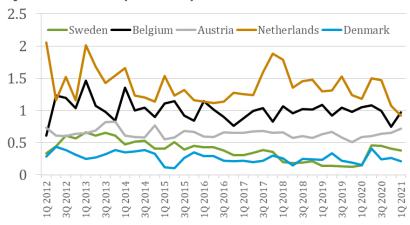
Average auction size in selected jurisdictions (EUR bn)



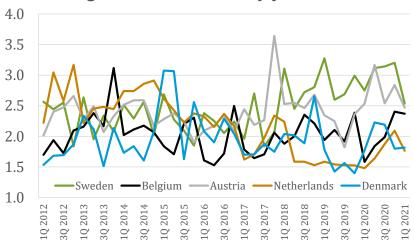
2.7 Average bid-cover ratios by jurisdictions



2.6 Average auction size in selected jurisdictions (EUR bn)

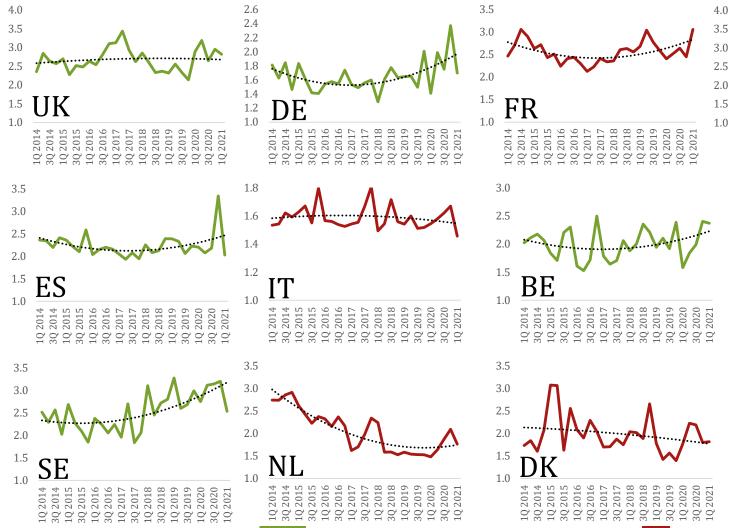


2.8 Average bid-cover ratios by jurisdictions



Recent Auctions

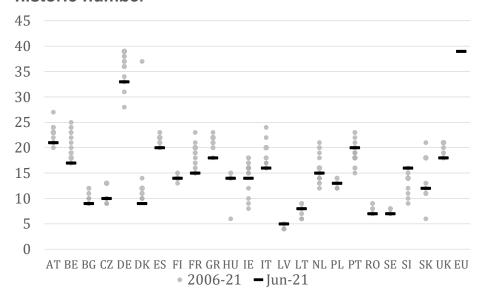
2.9 Average bid-cover ratios in selected jurisdictions: 2013-21



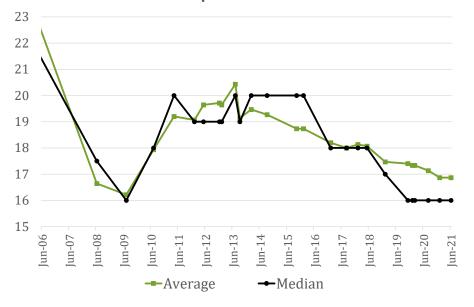


afme/ Primary Dealers: European countries and EU

2.10 Number of primary dealers relative to historic number

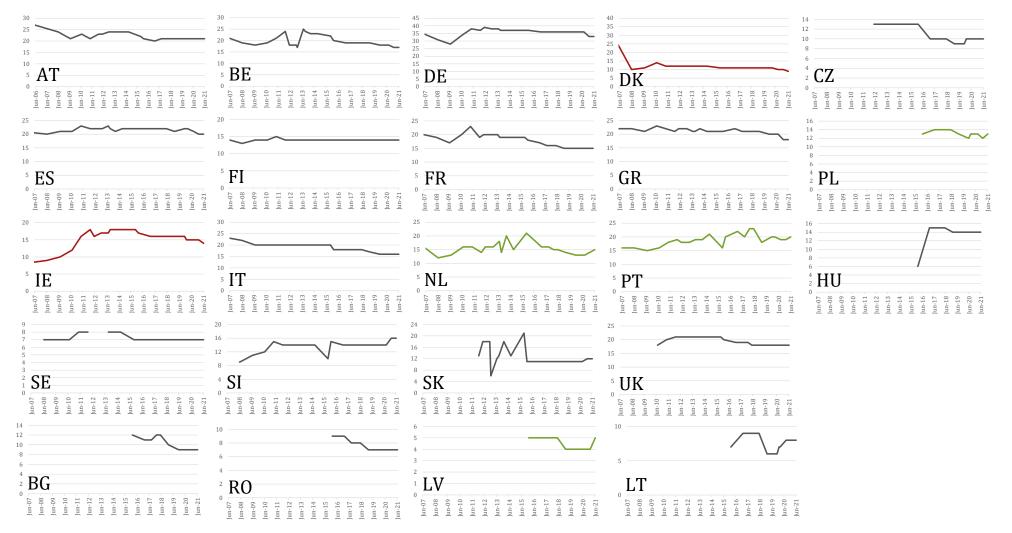


2.11 Average and median number of primary dealers in selected European countries



afme/ Primary Dealers

2.12 Number of primary dealers in Europe by country: 2006-21

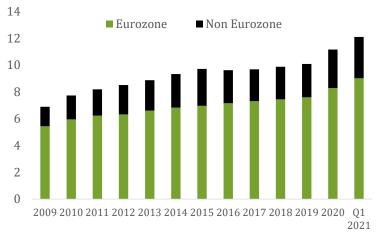




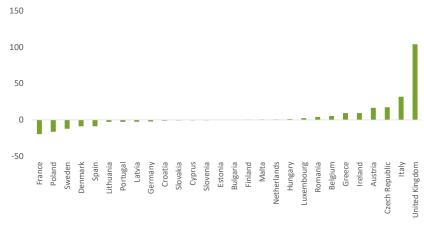
Outstandings

afme/ Outstandings

3.1 Outstanding debt securities issued by Central Governments (Nominal, EUR tn)

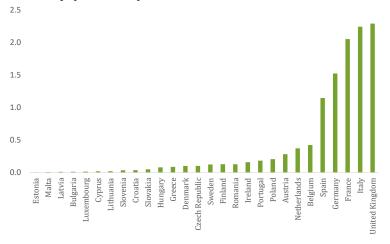


3.3 Change in outstandings 4Q20 to 1Q21 (EUR bn)

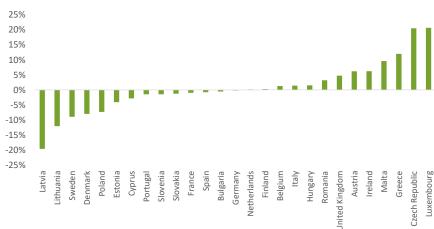


Source: ECB, Thomson Reuters Eikon and UK DMO.

3.2 European government bonds outstanding by country (EUR tn)

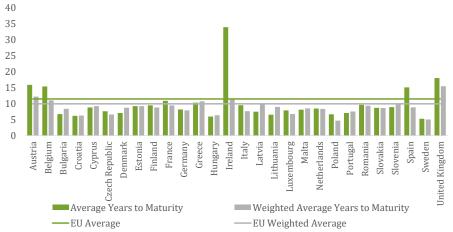


3.4 Change in outstandings from 4Q20 to 1Q21 (%)

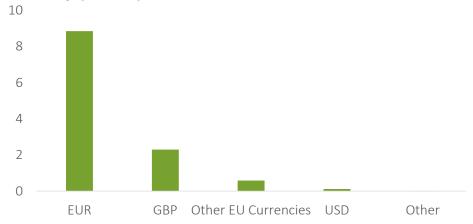


afme/ Outstandings Finance for Europe

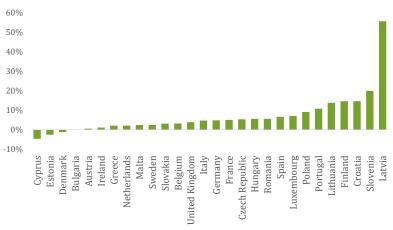
3.5 Average years to maturity for outstanding government bonds in European (EU+UK) countries



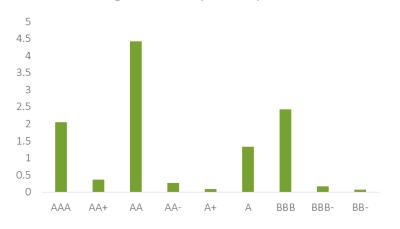
3.7 European government bonds outstanding by currency (EUR tn)



3.6 Quarterly change in weighted average years to maturity for outstanding government bonds 4Q20 to 1Q21



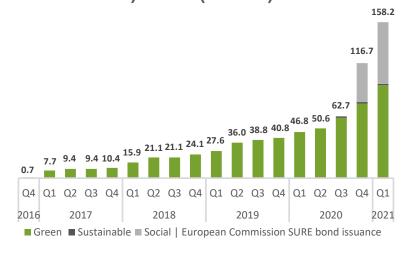
3.8 European government bonds outstanding by current rating of issuer (EUR tn)



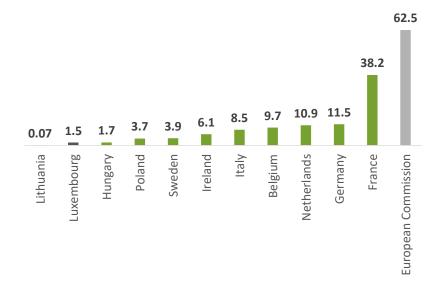


afme/ Outstandings: ESG Bonds

3.9 European outstanding ESG (green, social and sustainable) bonds (EUR bn)



3.10 European outstanding ESG government bonds by country (EUR bn)

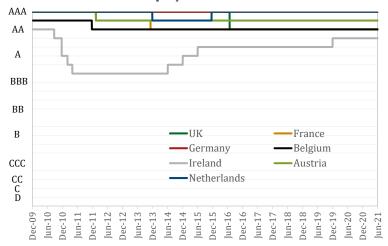




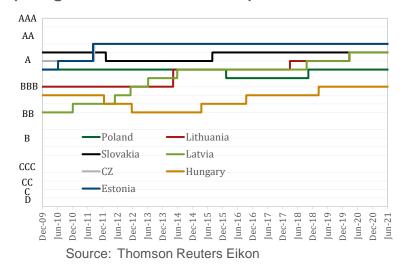
Credit Quality

afme/ Credit Quality

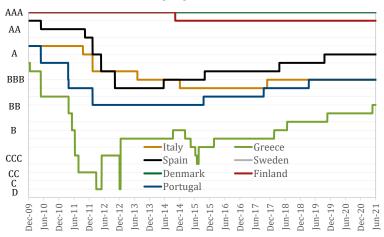
4.1 Long-term sovereign credit rating (Central and Northern Europe)



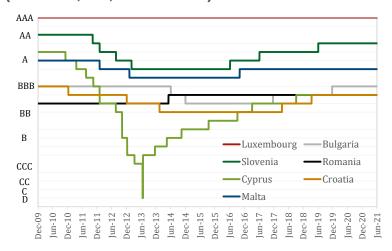
4.3 Long-term sovereign credit rating (Visegrad 4 and Baltic states)



4.2 Long-term sovereign credit rating (Nordics and Southern Europe)



4.4 Long-term sovereign credit rating (Balkans, CY, MT and LU)



afme/ Credit Quality Finance for Europe

4.5 European rating actions on long-term sovereign credit ratings (2021)

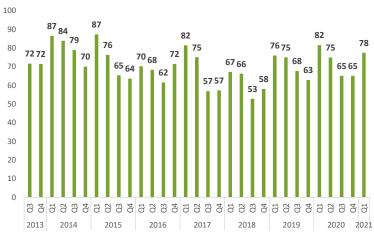
Issuer	Rating Action	Date	Rated by	Rationale
Lithuania	Upgrade to A2 (positive) from A3	Feb-21	NIOUUA S	Strong medium-term growth prospects, supported by increased EU-funded investment and structural reforms to raise productivity growth
Greece	Upgrade to BB (positive) from BB-	Apr-21	S&P	Expectation of rapid improvement in Greece's economic and budgetary performace as the adverse impacts of the COVID-19 pandemic subside

Source: Fitch, Moody's, S&P

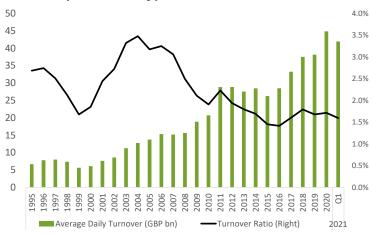




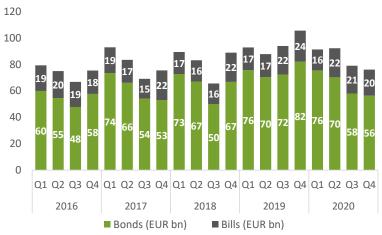
5.1 EU + UK: Average daily trading volumes (Government and sovereign bonds, EURbn)



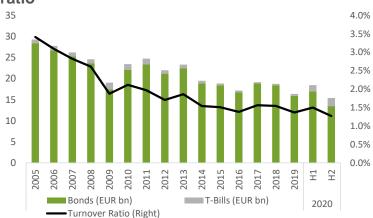
5.3 United Kingdom: Average daily trading volume (bonds only) and turnover ratio



5.2 Eurozone: Average daily trading volume (bonds and bills, EURbn)

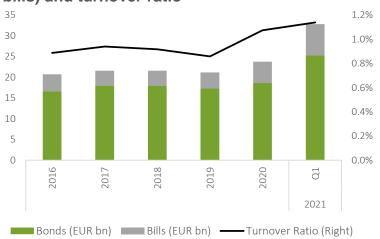


5.4 Germany: Average daily trading volume (aggregated bonds and bills) and turnover ratio

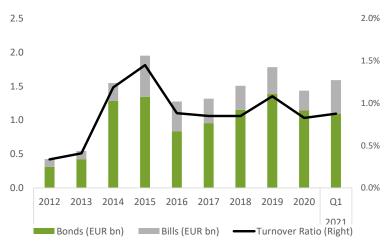




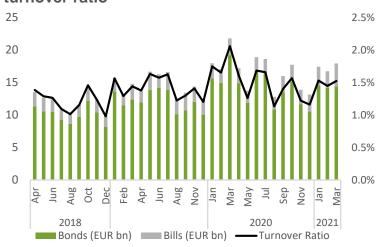
5.5 Italy: Average daily trading volume (bonds and bills) and turnover ratio



5.7 Portugal: Average daily trading volume and turnover ratio



5.6 Spain: Average daily trading volume and turnover ratio

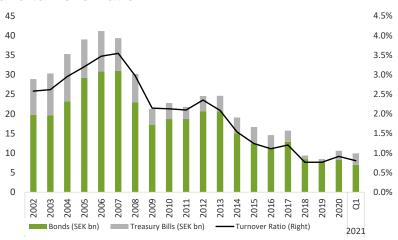


5.8 Belgium: Average daily trading volume and turnover ratio

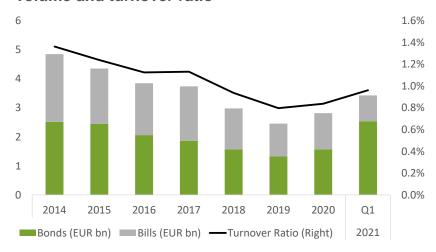




5.9 Sweden: Average daily trading volume and turnover ratio



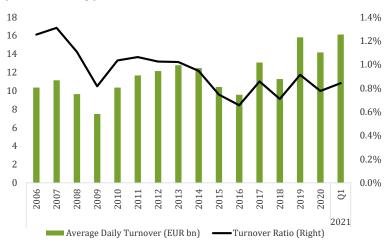
5.11 Netherlands: Average daily trading volume and turnover ratio



5.10 Ireland: Average daily trading volume (aggregated bonds and bills) and turnover ratio

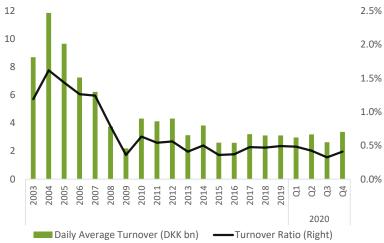


5.12 France: Average daily trading volume (bonds only) and turnover ratio

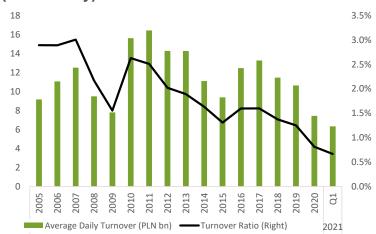




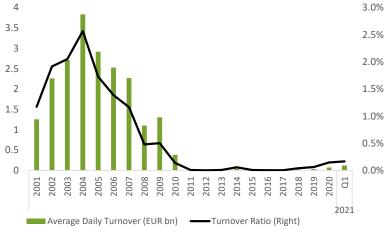
5.13 Denmark: Average daily trading volume (bonds and bills) and turnover ratio



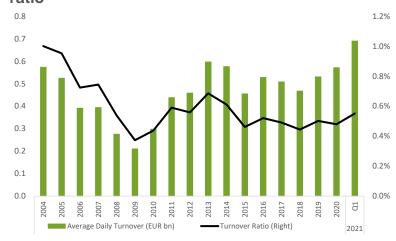
5.15 Poland: Average daily trading volume (bonds only) and turnover ratio



5.14 Greece: Average daily trading volume (bonds only) and turnover ratio

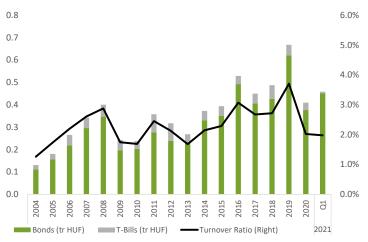


5.16 Finland: Average daily trading volume (aggregated bonds and bills) and turnover ratio

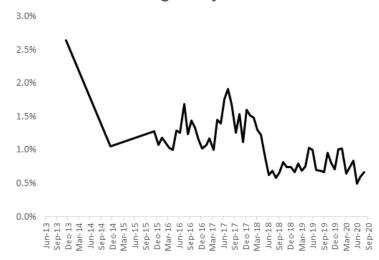




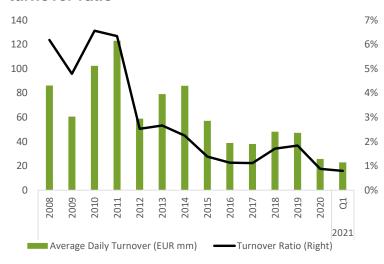
5.17 Hungary: Average daily trading volume and turnover ratio



5.19 Romania: Average daily turnover ratio

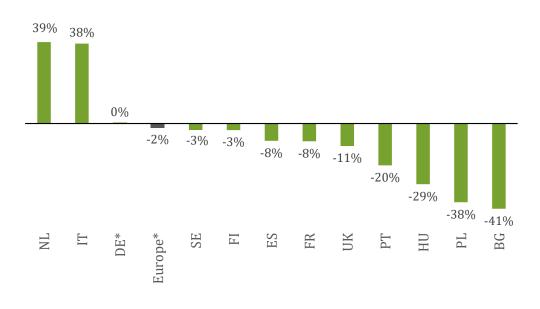


5.18 Bulgaria: Average daily turnover volume and turnover ratio

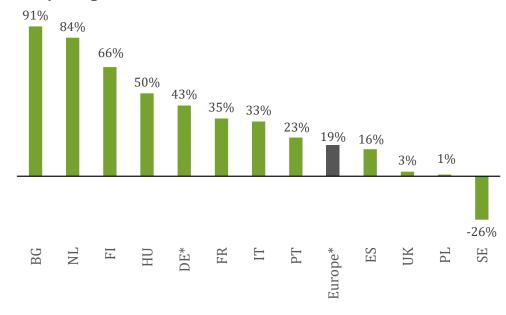




5.20 Annual change in average daily turnover volumes of European government bonds: 1Q20 to 1Q21



5.21 Quarterly change in average daily turnover volumes of European government bonds: 4Q20 to 1Q21

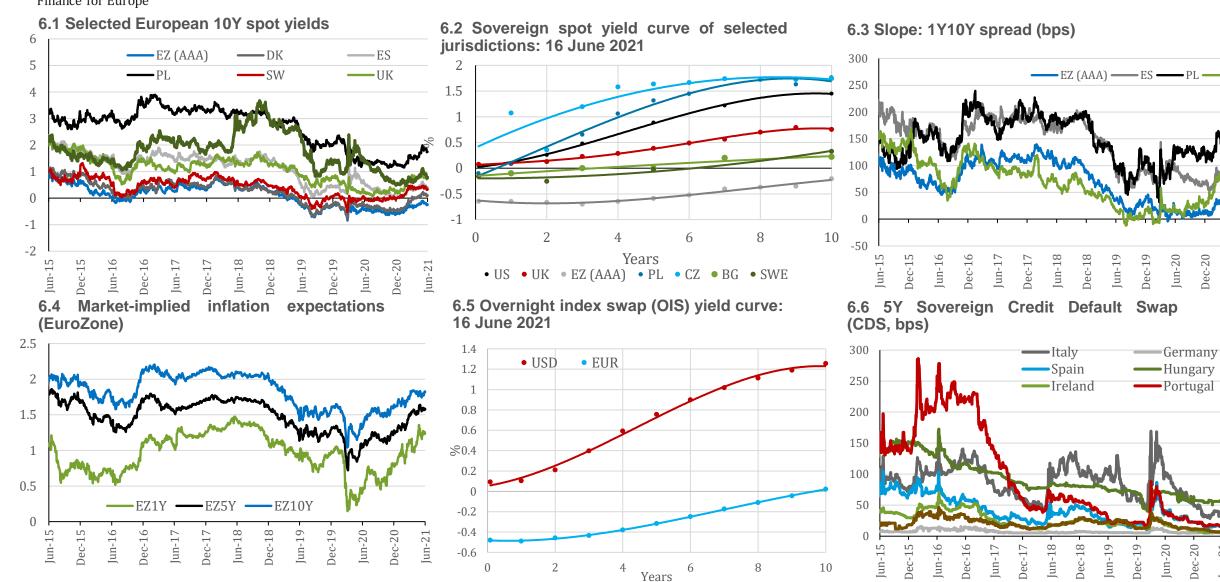




Valuations

afme/ Valuations Finance for Europe

Source: ECB and Thomson Reuters Eikon





Methodology for Secondary Market Trading Volumes and Turnover Ratios in this report

Turnover ratios are calculated as the average daily trading volume relative to total outstandings. Cash trading only (excludes repo and derivatives transactions)

5.1 EU28: Secondary Market Volumes (please note this is restricted to 2013-Q3 onwards as split not available prior to this date. Volumes are calculated by converting the individual traded securities to EUR using the prevailing exchange rate on the date of each trade. ADV calculated by dividing the total converted volume by the number of UK trading days for quarter. Data sourced from Trax. The aggregation of Trax data is agnostic of platform (meaning the trades can be conducted via BBG, TRAX or others) as it is sourced from dealers middle offices, rather than the actual trading venues. The data includes both dealer to dealer activity and dealer to client activity. Data does not consider transaction volume between clients and therefore relies on the degree of dealer intermediation.

5.2 Eurozone: Data is published by EFC Sub-Committee on ESDM, and is based on turnover data reported in the Euro Market Activity Report (EMAR), including turnover on a trade by trade basis traded by reporting dealers. A comprehensive list of reporting dealers can be found in the EMAR reports on the website of the Economic and Financial Committee's Sub Committee on EU Sovereign Debt Markets

5.3 United Kingdom: Turnover data reported to the DMO by the Gilt-edged Market Makers (primary dealers).

5.4 Italy: Turnover on all trading venues and OTC as per data provided to the Italian Departimento Del Tesoro by Primary Dealers through HRF ('single counted' volumes).

5.5 Germany: Turnover of both electronic and OTC trading. The traded volume is aggregated for a representative part of the members of the Bund Issues Auction Group with trades with all counterparties. Includes Bubills, Schaetze, Bobls, Bunds and inflation-linked securities. Capital and coupon strips as well as US-dollar bonds are excluded.

5.6 Portugal: Turnover of electronic and OTC trading reported on MTS-Portugal, BrokerTec and eSpeed.

5.7 Spain: Due to data reconciliation activities of the Bank of Spain, data from April 2018 is from BME Market Data, a subsidiary of Bolsas y Mercados Epañoles. Turnover is derived from settlement data from Iberclear.

5.8 Finland: Turnover of customer trades, MTS Finland and Euro MTS.

5.9 Belgium: Turnover is total outright transactions.

5.10 Sweden: Turnover is total outright transactions

5.11 Ireland: Turnover on Irish Stock Exchange.

5.12 Netherlands: Turnover is customer and interdealer trading. Total outright transactions, including electronic and OTC trading.

5.13 France: Turnover of voice and electronic trading (not including PSPP transactions or trading without an SVT).

5.14 Denmark: Turnover of MTS, TradeWeb, Bondvision and trades reported to Nasdaq OMX (including voice trading).

5.15 Greece: Turnover on Electronic Secondary Securities Market (HDAT).

5.16 Poland: Turnover is total outright transactions. Data from KDPW are presented according to the date of the settlement, while data from WSE are presented according to the date of conclusion of a transaction.

5.17 Hungary: Turnover on MTS Hungary and Keler OTC.

5.18 Bulgaria: Turnover ratio of the government securities issued on domestic market. Official values reported as average monthly turnover ratios, which have been converted assuming 20 business days per month.

5.19 Romania: Turnover ratio of the government securities issued on domestic market. Official values reported as average monthly turnover ratios, which have been converted assuming 20 business days per month. Turnover volume not available.

For a description of the methodology of this report please visit https://www.afme.eu/reports/data/details/Summary-of-the-Methodologies

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