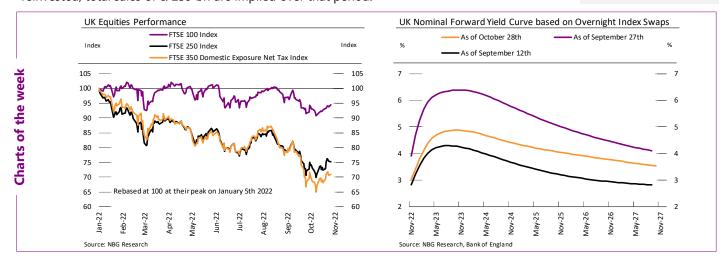
# **Global Markets Roundup**



National Bank of Greece | Economic Research Division | November 1, 2022

UK political risk premium has eased, supporting financial assets, albeit macroeconomic headwinds for the UK remain

- The easing of political uncertainty in the United Kingdom has led to a stabilization of the British Pound. The trade-weighted Sterling Effective Exchange Rate Index has appreciated by +6.2% compared with its trough on September 28<sup>th</sup>, albeit remaining -5.5% below January 2022 levels. In addition, Gilt yields have declined across the board by 50 60 bps (see graph page 3).
- The significant weakening of GBP overall in 2022 has contributed to a substantial divergence in equity performance between UK companies with high global revenue exposure, which can benefit from a weaker GBP, and those with a relatively elevated domestic exposure. Indeed, FTSE100 has overperformed its domestic-oriented peers by circa 20% year-to-date (see graph below).
- In terms of valuations, the 12-month forward P/E ratio of the FTSE100, where an elevated 80% of the revenues of its constituents' stem from abroad, stands at 8.9x versus a 20-year average of 13.0x and for the FTSE 250 at 10.4x versus a 20-year average of 13.8x. Thus, despite the significant overperformance year-to-date, the current relative valuation discount (-14%) remains wide compared with the long-term average discount (-6%).
- Regarding economic activity, real GDP is estimated to have declined by -0.3% qoq (+2.2% yoy) in Q3:2022, following a +0.2% qoq increase (+4.4% yoy) in Q2:2022. The outlook could be influenced, *inter alia*, by the final fiscal decisions, with Chancellor's Autumn Statement due on November 17<sup>th</sup>. According to the IMF, UK real GDP will barely grow overall in 2023 (+0.3%), from +3.6% in 2022.
- CPI inflation in the UK stood at 10.1% yoy in September, the highest since 1982. At the same time, the pass-through of higher manufacturing costs to consumer prices appears to be still incomplete, advocating in favor of residual pipeline pressures, at least for prices of goods (+13.2% yoy in September). The outlook is uncertain given, *inter alia*, pending clarifications regarding government policies for State subsidies of energy bills. In any case, the recent stabilization of GBP has alleviated fears of additional price pressures from imported inflation.
- Investors' expectations regarding the cumulative size of monetary policy tightening going forward have declined (see graph below). The Bank of England is expected to proceed with a 75 basis points hike to the Bank Rate on November 2<sup>nd</sup>, to 3.0%. Moreover, the BoE announced Quantitative Tightening (QT) details, following the termination of the emergency gilt purchases, activated in order to combat political-induced market turbulence, from September 28<sup>th</sup> to October 14<sup>th</sup> (£19 bn cumulatively).
- Specifically, in the remainder of Q4:2022, the reduction of gilts in the Asset Purchase Facility (holdings of £838 bn or 37% of 2021 GDP), will proceed via sales. Eight auctions of £0.75 bn each (£6 bn in total), evenly distributed across the short (3-7 years) and medium (7-20 years) term maturity spectrum will take place, with the first one on November 1<sup>st</sup>. Later on, the schedule will be set on a quarterly basis (for Q1:23, announcement is planned for December 16<sup>th</sup>, 2022). The goal for a reduction in the APF stock of gilts of "around £80 bn" by September 2023 compared with September 2022, remains. Given the profile of maturing gilts, the proceedings of which will not be reinvested, total sales of c. £39 bn are implied over that period.



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#### US real GDP slightly exceeded expectations in Q3:2022

• Real GDP rose by 2.6% gog saar in Q3:22 (+1.8% yoy), after a -0.6% qoq saar (+1.8% yoy) in the previous quarter, compared with consensus estimates for +2.4% qoq saar. Regarding the composition of GDP growth, **personal consumption** was up by 1.4% qoq saar (+2.0% yoy) after a +2.0% qoq saar in Q2:22, contributing 1.0 pp to the headline figure. A solid increase in consumption of services (+2.8% qoq saar), more than offset a fall in purchases of goods (-1.2% qoq saar). Business investment rose by 3.7% qoq saar (+0.5 pps to overall GDP growth | +0.1% qoq saar in the previous quarter), with the annual pace of growth standing at +3.2% yoy. The rise was due to a sharp increase in spending on equipment (+10.8% gog saar | +5.3% yoy) and investment in intellectual property products (+6.9% qoq saar | +8.7% yoy), whereas spending on non-residential structures fell (-15.3% qoq saar | -11.4% yoy). At the same time, government consumption expenditures & gross investment were up by 2.4% qoq saar (+0.4 pps | -1.6% yoy), after posting a -1.6% qoq saar in Q2:22. Meanwhile, the largest positive contribution to the headline GDP growth in Q3:22, came from net exports (+2.8 pps), as exports increased strongly (+14.4% qoq saar | +11.3% yoy) and imports fell (-6.9% qoq saar | +7.5% yoy). On the other hand, the downward correction for residential investment continued for a 6<sup>th</sup> consecutive quarter in Q3:22, down sharply, by 26.4% gog saar (-12.7% yoy | -15.1% compared with a peak in Q1:21, now broadly matching pre-pandemic levels), posing a drag of 1.4 pps from overall GDP growth). Finally, the pace of inventory accumulation eased and as a result, the contribution of the respective GDP component to headline growth was negative (-0.7 pps).

# Euro area bank credit standards tightened significantly across the board

- The quarterly ECB's Bank Lending Survey for Q3:22, suggests a considerably weaker appetite of commercial banks to extend new credit, across the board, mainly due to: i) perceptions of increased risk related to the economic outlook (ongoing slowdown, recession fears); ii) worsened risk perceptions also for industry or firm-specific situation and; iii) reduced risk tolerance. Specifically, euro area banks' credit standards (i.e. banks' internal guidelines or loan approval criteria) on loans to corporations tightened substantially in Q3:22 (+19% from +16% in Q2:22). Recall that a positive reading indicates that the fraction of banks tightening standards, is greater than those easing. The latest outcome was in line with panelists' respective expectations for Q2:22 in the previous survey round. At the same time, a relatively large net percentage of respondents (+29%), anticipate a tightening to take place also in the current quarter.
- Regarding households, euro area banks' standards also tightened substantially both for mortgage loans (+32%, the largest net share reporting a tightening since Q4:08) and for consumer credit (+21% in Q3:22).
- Loan demand posted mixed changes according to survey panelists. Specifically, the share of banks reporting an increase in loan demand by corporations, minus the share of banks citing a decline, was a resilient +13% in Q3:22, following a +12% in Q2:22. In a development though which bodes ill for economic prospects, the main demand driver was financing needs for working capital and inventories, mainly related to inflated production costs. On the contrary, fixed investment plans had a dampening impact, suggesting reluctancy for capital formation.

Notably, banks also started to indicate a (slight) negative contribution to demand from the general level of interest rates, despite the fact that the composite cost of borrowing indicator for loans to non-financial corporations has increased only modestly to 1.86% (August 2022) compared with an all-time low of 1.36% in December 2021.

The general level of interest rates, alongside, weaker consumer confidence, were the main dampening factors for loan demand by households. Specifically, respondents predominantly reported weaker demand for housing loans in Q3:22 (a net share of 42% | an overwhelming 64% of banks on net expect a demand reduction during Q4:22, which if realized, would roughly equal the respective figures in H2:08). Recall that the composite cost of borrowing indicator for loans to households for house purchase (calculated as a weighted average of interest rates on both short-term and long-term loans) stood at 2.26% in August, from 1.31% in December 2021. On consumer credit (credit cards, overdrafts, auto loans, student loans, etc.), a net bank share of 11% reported weaker demand in Q3:22 and 17% anticipate a similar development in the current quarter.

#### Euro area inflation accelerated well above expectations According to the "flash" estimate, the annual growth of CPI

reached a new record (since 1997) high in October, at 10.7% from 9.9% in September, overshooting by a wide margin consensus estimates for 10.2% yoy. Energy prices rose by 41.9% year-over-year from 40.7% in September, contributing circa 4.5 pps to the headline's year-over-year increase. At the same time, an acute momentum remained in place for the prices of food, alcohol & tobacco, leading the annual growth to 13.1%, also the highest on record, from 11.8% previously (2.75 pps contribution to headline). Finally, core inflation, which excludes the effects of energy and food components, was again strong in October, mostly due to the non-energy industrial goods component. In all, the annual growth of core CPI accelerated by 0.2 pps to 5.0% in October (3.45 pps contribution), a record high and above consensus estimates for a stable reading.

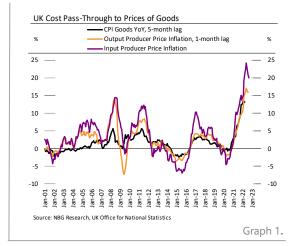
#### Euro area real GDP grew modestly in Q3:22

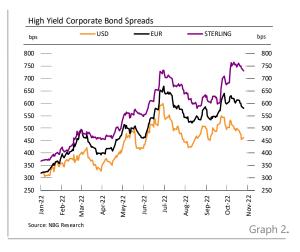
The 1<sup>st</sup> preliminary estimate for euro area GDP growth in Q3:22 came out at +0.2% qoq (+0.7% on an annualized basis), largely as expected and following a +0.8% qoq (+3.3% on an annualized basis) in the previous quarter. The annual pace of growth eased to 2.1% yoy from +4.3% in Q2:22. Country-wise, Germany's GDP growth was +0.3% qoq (+1.1% yoy), France's was +0.2% qoq (+1.0% yoy), Italy's was +0.5% qoq (+2.6% yoy) and Spain's was +0.2% qoq (+3.8% yoy).

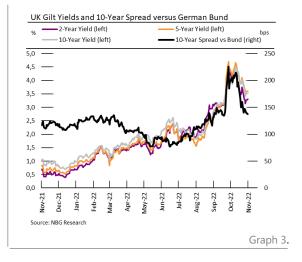


# **Equities**

- Global equity markets advanced in the past week. Overall, the MSCI ACWI ended the week up by +3.3% (-22% ytd), with Developed markets (+4% wow | -21% ytd) overperforming their Emerging Markets peers (-2.2% wow | -31% ytd). The S&P500 rose by 4% wow, adding to previous week gains (+9% since October 12<sup>th</sup>), following growing optimism around a deceleration in the size of Fed rate hikes after this week's meeting and despite lukewarm, so far, corporate results for Q3.
- With 53% of the S&P500 companies having reported results, revenues growth hovers at +9.3% yoy (\$3.9 trillion), from expectations of +8.7% at the beginning of the season. Circa 68% of the companies have exceeded estimates, slightly below the 5-year average of 69%. Companies are reporting revenues that are 1.7% above estimates (i.e. the difference between the reported revenues and the expected revenues), below the 5-year average of 1.9%. Notably, this will be the 1<sup>st</sup> quarter with a revenue growth of below 10% since Q4:2020. Looking ahead, analysts expect revenues growth of +10.4% for CY 2022. For 2023, analysts are projecting revenues growth of +3.7% for CY 2023.
- In terms of margins, the estimated net profit margin for the S&P500 for Q3:2022 is 12%, from expectations of 12.5% at the beginning of the season, down by 20 basis points versus Q2 and by 90 basis points versus oner year ago. Looking ahead, analysts expect net profit margin of 12.3% for CY 2022. For 2023, analysts are projecting net profit margin of 12.5% for CY 2023, a relatively optimistic view.
- In terms of earnings per share, circa 72% of the companies have reported EPS above estimates (5-year average of 77%). Companies are reporting earnings that are 2.2% above estimates at the beginning of the season, standing at \$54 per share versus estimates for \$53, below the 5-year average of 8.7%, which will be the 2<sup>nd</sup> lowest surprise percentage in the past 9 years. Overall, EPS growth hovers at +2.3% yoy Q3:2022 from expectations of +2.8% at the beginning of the season, though -4.9% yoy excluding the Energy sector. This would mark the 2<sup>nd</sup> consecutive quarter in which the S&P500 would be reporting a year-over-year decline in earnings excluding the Energy sector (Q2:2022 EPS growth: +6.2% yoy | -4% yoy excluding the Energy sector).
- Looking ahead, analysts expect EPS growth 5.9% for CY 2022 (-0.6% excluding the Energy sector). For 2023, analysts are projecting EPS growth of +6.4% for CY 2023 (+8.7% excluding the Energy sector). Notably, 2023 EPS projections have been revised down by 2.8% in October and by 6.4% since June 30<sup>th</sup> to \$233. In a similar vein, 2022 EPS projections have been downwardly revised by 1.2% in October and by 3.7% since June 30<sup>th</sup> to \$219.
- In the previous week, some of the mega-cap companies of the index reported results that in aggregate were weaker-than-expected, with the exception of Apple, with significant downward stock price pressures post earnings announcements. Specifically, Alphabet (EPS of \$1.06 vs estimates for \$1.26) declined by -9.1% on Wednesday, while Microsoft (EPS of \$2.35 vs estimates for \$2.3 but with weaker-than-expected next-quarter guidance) fell by -7.7% on the same day. Notably, the two companies lost about \$280 bn in combined market value on Wednesday. Meta (EPS of \$1.64 vs estimates for \$1.9) lost almost a guarter of its value (-24.6% on Thursday | -71% ytd) after reporting its 4<sup>th</sup> consecutive quarter with negative EPS yoy growth and its 2<sup>nd</sup> consecutive quarter with negative sales yoy growth, with investors also concerned regarding the development and spending on Metaverse. Amazon (EPS of \$0.28 vs estimates for \$0.22 but with weaker-than-expected sales and forward guidance) declined by -6.8% on Friday, with its market value also briefly passing below the \$1 tn intra-day. On the contrary, Apple rose by 7.6% on Friday, after beating EPS estimates (\$1.29 vs \$1.27), reporting record for Revenue and EPS for the September quarter of the year, while active installed base of devices reached all-time high for all major product categories.
- In the current week, 167 S&P500 companies will report results, including Berkshire Hathaway, Pfizer, Qualcomm, AMD, Moderna, AIG and Twitter.







Quote of the week: "Have we completed the job? Have we finished the normalization of our monetary policy as we have called it? No. There is still ground to cover.", ECB President, C. Lagarde, October 27<sup>th</sup> 2022.

#### Interest Rates & Foreign Exchange Forecasts



10-Yr Gov. Bond Yield (%)	October 28th	3-month	6-month	12-month	Official Rate (%)	October 28th	3-month	6-month	12-month
Germany	2.09	2.15	2.25	2.25	Euro area	1.50	2.00	2.25	2.25
US	4.02	4.00	4.10	4.10	US	3.25	4.50	4.50	4.50
UK	3.44	4.08	3.93	3.67	UK	2.25	3.70	4.25	4.35
Japan	0.23	0.23	0.27	0.33	Japan	-0.10	-0.10	-0.10	-0.10
Currency	October 28th	3-month	6-month	12-month		October 28th	3-month	6-month	12-month
EUR/USD	0.99	1.02	1.05	1.10	USD/JPY	148	149	141	136
EUR/GBP	0.86	0.88	0.87	0.89	GBP/USD	1.16	1.16	1.20	1.23
EUR/JPY	146	152	148	150					
Forecasts at end of period									

Forecasts at end of period

Economic Forecasts											
United States	2020a	Q1:21a	Q2:21a	Q3:21a	Q4:21a	2021a	Q1:22a	Q2:22a	Q3:22a	Q4:22f	2022f
Real GDP Growth (YoY) (1)	-2.8	1.2	12.5	5.0	5.7	5.9	3.7	1.8	1.8	0.3	1.7
Real GDP Growth (QoQ saar) (2)	-	6.3	7.0	2.7	7.0	-	-1.6	-0.6	2.6	2.6	-
Private Consumption	-3.0	10.8	12.1	3.0	3.1	8.3	1.3	2.0	1.4	2.2	2.3
Government Consumption	2.6	6.5	-3.0	-0.2	-1.0	0.6	-2.3	-1.6	2.4	0.9	-0.9
Investment	-2.3	9.7	5.8	-1.1	0.6	7.4	4.8	-5.0	-4.9	3.1	2.6
Residential	7.2	11.6	-4.9	-5.8	-1.1	10.7	-3.1	-17.8	-26.4	1.1	-3.4
Non-residential	-4.9	8.9	9.9	0.6	1.1	6.4	7.9	0.1	3.7	3.5	4.5
Inventories Contribution	-0.7	-3.0	-1.3	2.0	5.1	0.2	0.3	-2.1	-1.0	-0.3	0.6
Net Exports Contribution	-0.2	-1.3	-0.8	-1.3	-0.6	-1.7	-3.8	1.2	3.2	0.6	-1.1
Exports	-13.2	0.4	4.9	-1.1	23.5	6.1	-4.6	13.8	14.4	2.4	5.0
Imports	-9.0	7.6	7.9	6.6	18.6	14.1	18.4	2.2	-6.9	-1.7	9.1
Inflation (3)	1.2	1.9	4.9	5.4	6.7	4.7	8.0	8.7	8.3	8.1	8.3
Euro Area	2020a	Q1:21a	Q2:21a	Q3:21a	Q4:21a	2021a	Q1:22a	Q2:22a	Q3:22a	Q4:22f	2022f
Real GDP Growth (YoY)	-6.3	-0.8	14.2	3.9	4.8	5.3	5.5	4.3	2.1	0.8	3.0
Real GDP Growth (QoQ saar)	-	-0.3	8.2	9.3	2.1	-	2.4	3.3	0.7	-2.3	-
Private Consumption	-7.8	-7.5	13.9	20.2	-0.8	3.7	-0.3	4.2	0.1	-0.6	3.9
Government Consumption	1.0	-0.2	8.7	-0.7	2.7	4.3	0.9	2.4	1.2	1.0	1.9
Investment	-6.5	-9.2	7.2	-2.9	14.3	3.7	-3.1	3.0	1.7	-1.1	2.8
Inventories Contribution	-0.3	2.6	-1.9	-0.1	2.6	0.2	-0.4	-0.5	-0.2	-0.2	0.2
Net Exports Contribution	-0.5	3.4	-0.3	0.2	-3.4	1.3	3.5	0.4	-0.7	-1.8	-0.3
Exports	-9.2	3.7	10.5	8.9	10.6	10.5	6.0	6.9	4.2	-3.5	6.2
Imports	-8.7	-3.4	12.4	9.4	20.1	8.3	-0.9	6.6	6.2	0.0	7.3
Inflation	0.3	1.0	1.8	2.9	4.7	2.6	6.1	8.0	9.3	9.0	8.1

a: Actual, f: Forecasts, 1. Seasonally adjusted YoY growth rate, 2. Seasonally adjusted annualized QoQ growth rate, 3. Year-to-year average % change

#### 12-Month View & Key Factors for Global Markets US Euro Area UK Japan + Households' balance sheets are healthy +Still high equity risk premium relative to other regions +Still aggressive QE and \*yield-curve\* targeting by the +Significant exposure to commodities + Still loose fiscal policy in 2022 (plus RRF) + Service-oriented sectors are re-opening +Undemanding valuations in relative terms relative to BoJ + Sentiment (e.g. AAII) and positioning indicators are - Geopolitical uncertainty (Ukraine-Russia, natural gas) + JPY depreciation @ 20Y highs (¥130) support other regions hitting extreme lows could intensify exporters - Elevated domestic policy uncertainty Peaking profit margins - Logistic disruptions (vaccine) and renewed lockdo - Signs of policy fatigue regarding structural reforms Markets - Recession risks are increasing in China delay the export-led recovery and fiscal discipline - P/Es (Valuations) still remain above I-t means, despite - Chinese growth decelaration the recent correction Equity **N** Neutral Neutral/Positive Neutral/Negative Neutral +Valuations appear rich despite the 200bps increase, +Valuations still appear excessive compared with long- +Sizeable fiscal deficits +Inflation expectations could drift higher due to supply with term-premium @ 0% (1% for 2000-2015) term fundamentals +Restructuring efforts to be financed by fiscal policy disruptions (persistent post Brexit, temporary due to +Sizeable fiscal deficit + ECB: End of APP purchases in June 2022, interest rate measures China) Bonds +Underlying inflation pressures under Average Inflation hikes in H2 - Safe haven demand +The BoE is expected to raise rates towards 2% - Political Risks - Extremely dovish central bank - Slowing economic growth post-Brexit Targeting Government Fragile growth outlook ECB QE "stock" effect +Fed: End of asset purchases - Yield-targeting of 10-Year JGB at around 0% - Global search for yield by non-US investors (e.g. Japan, repatriation from EM Economies) continues - Safe haven demand Stable yields expected Slightly higher yields expected Slightly higher yields expected ▲ Slightly higher yields expected +Weak global growth / Safe-haven demand status +Current account surplus +Safe haven demand +Valuations appear undemanding with REER below its +More balanced economic growth recovery (long-+ USD interest rate differential vs peers remain - Still negative interest rates 15-year average significant - Global growth risks remain to the downside term) - Sizeable Current account deficit Foreign Exchange Aggresive Fed tightening Global political uncertainty to decline +Inflation is bottoming out - Additional Quantitative Easing by the Bank of Japan if inflation does not approach 2% Broadly Flat USD against G10 FX ▲ Slightly higher JPY Broadly Flat/Stronger EUR against the USD Broadly stable GBP expected

National Bank of Greece | Economic Research Division | Global Markets Analysis

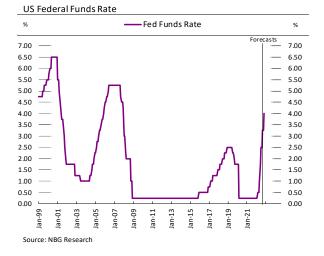


# **Economic Calendar**

In the US, the Federal Reserve meets on November 2<sup>nd</sup> and is expected to increase its Federal Funds Rate (FFR) by 75 basis points to 4.00%. On Tuesday, ISM Manufacturing survey (latest: 50.9 | consensus of 50.0) will provide an update on business confidence. On Friday, attention turns to the labor report for October. Consensus expects NFPs of +200k from +263k in September and unemployment rate of 3.6% from 3.5%.

In the UK, the BoE meets on November 3<sup>rd</sup> and is expected to increase its Bank Rate by 75bps at 3.00%.

In the Euro area, unemployment rate for September is released and is expected stable at 6.6%.



#### Tuesday 25 US esday 26 hursday 27 Wed US US . 107.8 105.4 - 102.5 September 603 677 1383 214 onsumer Confidence Index October New home sales (k) EURO AREA 580 ontinuing Claims (k) October 15 1388 223 1438 217 -&P Case/Shiller house price nitial Jobless Claims (k) October 22 August 14.1% - 13.1% 16.0% ourable goods orders dex 20 (YoY) ev supply (YoY) September 6.1% 6.3% 6.1% 13 mc September 0.2% -0.5% 0.0% GERMANY ansportation (MoM) urable goods orders FO- Business Climate FO- Current Assesme FO-Expectations ess Climate Indicator 833 84 3 84.4 , s (MoM) 0.6% 0.4% 0.2% Octobe urable goods orders ( DP (QoQ, annualized) October October 92.0 74.7 ÷ 94.1 75.6 94.5 75.3 03.22 2.0% 2.6% -0.6% EURO AREA ECB announces its interv r 27 2.00% 2.00% 1.25% CB announces its deposit October 27 1.50% 1.50% 0.75% acility rate Friday 20 US PCE Deflator (YoY) PCE Core Deflator (YoY) Personal income (MoM) Pending home sales (MoM) Pending home sales (MoM) Pendicator Friday 28 EURO AREA **A** 0.2% 2.1% 10.7% **S** 0.1% 1.9% 10.3% P 6.2% 4.9% 0.6% 0.4% -1.9% GDP (QoQ) GDP (YoY) CPI (YoY) P 0.8% 4.3% 9.9% Septembe 6.3% 5.2% 0.4% 0.4% 6.2% 5.1% 0.6% 0.4% 03.22 September September September Q3:22 Q3:22 October October 1.9% 5.0% PI (YoY) JAPAN Septembe -3.8% -10.2% ndustrial Production (MoM) Septembe -1.6% 3.4% -1.0% usiness Climate Indicator 0.8 October 0.8 ndustrial Production (YoY) September 6.5% 9.8% 5.8% 92.5 conomic confidence indicator October 92.5 93.6 Retail sales (MoM) Septembe 1.1% 1.3% JAPAN Retail sales (YoY) Septembe 4.1% 4.5% 4.1% Jnemployment rate Bank of Japan announces its September 2.5% 2.6% 2.5% Construction Orders YoY Septembe 36.6% 17.9% GERMANY October 28 -0.10% -0.10% -0.10% etail sales (MoM) etail sales (YoY) Septembe 0.9% -1.4% GERMANY Septembe -0.9% -1.5% 0.3% 1.2% CHINA Manufacturing PMI +++ 0.1% 03.22 0.2% GDP (QoQ) GDP (wda, YoY) Q3:22 0.7% 1.6% 50.0 49.2 50.1 Octobe Tuesday 1 hursday 3 Wednesday 2 US S A Р S A P US onstruction spending Septembe -0.5% -0.7% ed announces its intervention ontinuing Claims (k) October 22 1455 1438 November 2 4 00% 3 2 5 % nitial Jobless Claims (k) Jnit labor costs (QoQ, SM Manufact Octobe 50.0 50.9 October 29 223 217 CHINA DP Employment Change (k) October 200 208 03.22 4 0% 10.2% annualized) Trade balance (\$bn) Factory Goods Orde ISM Services Index in PMI Manufacturing Octobe 48 5 48 1 -72.0 0.4% Septembe -67.4 0.0% Nationwide House Px NSA YoY Octobe 9.5% 55.2 October 56.7 UK BoE announces its intervention 2.25% 3.00% November 3 EURO AREA nt Rate September 6.6% 6.6% Friday 4 US Monday 7 GERMANY US Average Hourly Earnings MoM Average Hourly Earnings YoY Average weekly hours (hrs) Change in Nonfarm Payrolls (k) Lange in Private Payrolls (k) Jnemployment rate Labor Force Participation Rate Jnderemployment Rate Octob 0.3% 0.3% ndustrial Production (sa, MoM) ndustrial Production (wda, YoY Septembe Septembe -0.8% 0.3% 5.0% 34.5 263 288 3.5% 62.3% October October October October October October 4.8% 34.5 200 200 CHINA Imports (YoY) -0.5% Octobe 0.3% 5.7% 5.0% ports (YoY) October 3.6% October nderemployment Rate Octobe 6.7% υĸ Markit/CIPS UK Construction October 49.0 52.3 рмі

Economic News Calendar for the period: October 25 - November 7, 2022

Source: NBG Research S: Consensus Analysts Survey, A: Actual Outcome, P: Previous Outcome

## Equity Markets (in local currency)

Developed M	larkets	Current Level	1-week change (%)	Year-to-Date change (%)	1-Year change (%)	2-year change (%)	Emerging Markets	Current Level	1-week change (%)	Year-to-Date change (%)	1-Year change (%)	2-year change (%)
US	S&P 500	3901	4.0	-18.2	-15.1	19.3	MSCI Emerging Markets	52493	-2.4	-25.1	-27.2	-17.7
Japan	NIKKEI 225	27105	0.8	-5.9	-6.0	15.7	MSCI Asia	771	-2.9	-27.9	-30.2	-23.6
UK	FTSE 100	7048	1.1	-4.6	-2.8	26.2	China	49	-8.9	-41.5	-47.2	-52.9
Canada	S&P/TSX	19471	3.2	-8.3	-8.1	24.9	Korea	688	2.3	-24.5	-23.8	-6.6
Hong Kong	Hang Seng	14863	-8.3	-36.5	-41.8	-39.8	MSCI Latin America	93209	-2.1	1.0	0.2	14.3
Euro area	EuroStoxx	393	3.7	-18.0	-16.7	17.9	Brazil	316957	-4.9	3.4	0.4	5.4
Germany	DAX 40	13243	4.0	-16.6	-15.6	14.6	Mexico	46148	4.3	-7.5	-2.7	33.6
France	CAC 40	6273	3.9	-12.3	-7.8	37.2	MSCI Europe	2382	1.9	-65.7	-68.1	-50.3
Italy	FTSE/MIB	22529	4.5	-17.6	-16.2	25.9	Russia*	2168	6.1	-42.8	-48.3	-19.5
Spain	IBEX-35	7917	4.9	-9.1	-12.3	22.3	Turkey	3953475	-3.3	90.3	132.9	203.8

#### World Market Sectors (MSCI Indices)

in US Dollar terms	Current Level	1-week change (%)	Year-to-Date change (%)	1-Year change (%)	2-year change (%)	in local currency	Current Level	1-week change (%)	Year-to-Date change (%)	1-Year change (%)	2-year change (%)
Energy	247.9	3.4	42.1	35.1	160.5	Energy	264.6	2.7	49.4	43.6	171.1
Materials	282.7	2.6	-21.5	-18.5	5.8	Materials	289.9	1.5	-15.0	-10.6	14.7
Industrials	281.7	5.9	-19.6	-19.0	9.6	Industrials	300.1	5.1	-13.5	-11.9	20.0
Consumer Discretionary	305.7	1.5	-30.7	-30.8	-5.1	Consumer Discretionary	310.7	1.0	-27.3	-26.8	1.1
Consumer Staples	257.0	5.0	-12.4	-7.7	5.9	Consumer Staples	270.5	4.1	-7.2	-1.5	12.7
Healthcare	331.1	5.0	-10.4	-7.0	17.2	Healthcare	338.2	4.6	-6.9	-2.9	22.6
Financials	124.3	4.8	-16.8	-19.6	30.5	Financials	130.7	4.1	-12.1	-14.2	37.9
IT	408.2	4.4	-28.7	-24.8	8.1	IT	403.1	4.3	-27.4	-23.2	10.8
Telecoms	68.0	-1.1	-36.3	-38.0	-16.5	Telecoms	73.4	-1.4	-34.3	-35.8	-13.2
Utilities	143.0	6.7	-12.9	-9.3	-1.3	Utilities	152.5	6.1	-8.9	-4.2	3.8

10-Year Government Bond Yields	Current	Last week	Year Start	One Year Back	10-year average	Government Bond Yield Spreads (in bps)	Current	Last week	Year Start	One Year Back	10-year average
US	4.02	4.22	1.51	1.56	2.11	US Treasuries 10Y/2Y	-51	-35	78	106	100
Germany	2.09	2.44	-0.18	-0.12	0.44	US Treasuries 10Y/5Y	-18	-14	25	38	50
Japan	0.23	0.25	0.07	0.09	0.20	Bunds 10Y/2Y	19	39	46	49	81
UK	3.44	4.09	0.97	1.01	1.46	Bunds 10Y/5Y	11	21	28	30	55
Greece	4.52	5.04	1.32	1.08	5.57						
Ireland	2.51	2.92	0.25	0.26	1.38	Corporate Bond Spreads (in	Current	Last	Vaan Ctant	One Year	10-yea
Italy	4.17	4.75	1.17	1.06	2.21	bps)	Current	Last week	Year Start	Back	average
Spain	3.15	3.56	0.57	0.54	1.75	EM Inv. Grade (IG)	211	205	139	139	191
Portugal	3.05	3.46	0.46	0.41	2.50	EM High yield	829	848	618	668	624
						US IG	166	171	98	89	133
US Mortgage Market (1. Fixed-rate Mortgage)	Current	Last week	Year Start	One Year Back	10-year average	US High yield	454	499	310	308	449
30-Year FRM <sup>1</sup> (%)	7.16	6.94	3.31	3.30	4.11	Euro area IG	217	222	98	87	119
vs 30Yr Treasury (bps)	299.0	260.1	138.9	131.6	136.5	Euro area High Yield	588	613	331	314	406

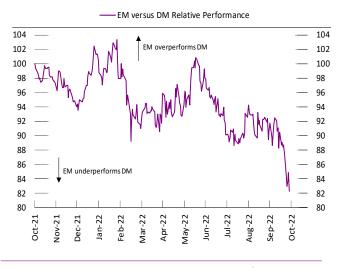
#### Foreign Exchange & Commodities

Foreign Exchange	Current	1-week change (%)	1-month change (%)	1-Year change (%)	Year-to-Date change (%)	Commodities	Current	1-week change (%)	1-month change (%)	1-Year change (%)	Year-to-Date change (%)
Euro-based cross rates											
EUR/USD	0.99	1.6	3.3	-14.8	-12.5	Agricultural	459	-2.2	-4.1	6.6	3.2
EUR/CHF	0.99	0.7	4.9	-7.1	-4.3	Energy	320	3.6	5.0	14.1	26.6
EUR/GBP	0.86	-2.2	-4.2	1.4	2.2	West Texas Oil (\$/bbl)	88	3.4	7.0	6.1	16.9
EUR/JPY	146.77	-0.1	5.4	10.9	12.1	Crude brent Oil (\$/bbl)	96	2.4	7.2	13.6	23.1
EUR/NOK	10.29	-0.9	-1.1	5.9	2.6	HH Natural Gas (\$/mmbtu)	5.7	27.7	-13.7	0.1	48.8
EUR/SEK	10.91	-1.3	0.1	9.3	6.0	TTF Natural Gas (EUR/mwh)	112	-1.2	-45.8	45.7	59.6
EUR/AUD	1.55	0.1	4.4	0.4	-0.7	Industrial Metals	405	-0.3	2.7	-17.8	-18.9
EUR/CAD	1.35	0.5	2.8	-6.0	-5.7	Precious Metals	2133	-0.6	-1.2	-10.0	-10.8
USD-based cross rates						Gold (\$)	1643	-0.9	-1.0	-8.7	-9.8
USD/CAD	1.36	-1.0	-0.5	10.4	7.8	Silver (\$)	19	-0.9	1.9	-20.1	-17.0
USD/AUD	1.56	-1.5	1.1	17.8	13.5	Baltic Dry Index	1534	-15.7	-14.7	-57.7	-30.8
USD/JPY	147.51	-1.7	2.0	30.1	28.1	Baltic Dirty Tanker Index	1823	5.0	21.8	127.9	131.9

Source: NBG Research, Data as of October 28<sup>th</sup>, S&P/Goldman Sachs Indices for Agricultural, Energy, Industrial & Precious Metals, BofA/ML Indices for Corporate Bond Spreads, \*Stock trading on MOEX Index partially resumed on March 24<sup>th</sup> after being halted since February 25<sup>th</sup>

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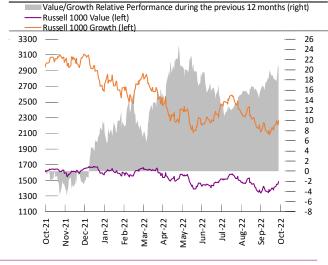




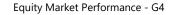
Data as of October 28th - Rebased @ 100



Russell 1000 Value & Growth Index



Data as of October 28th





Data as of October 28th - Rebased @ 100

Equity Market Performance - Emerging Markets



Data as of October 28<sup>th</sup> – Rebased @ 100

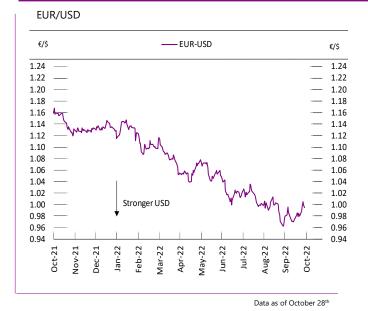
#### Russell 2000 & Russell 1000 Index

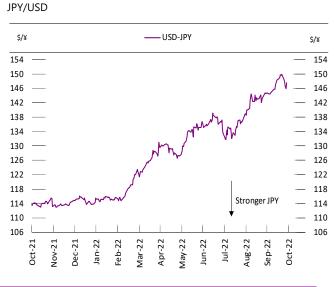
Small Cap/Large Cap Relative Performance during the previous 12 months (right) Russell 2000-Small cap (left) Russell 1000-Large Cap (left)



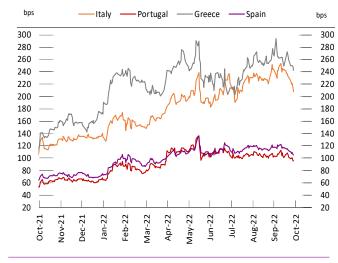
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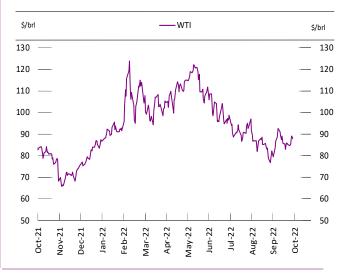




#### 10- Year Government Bond Spreads

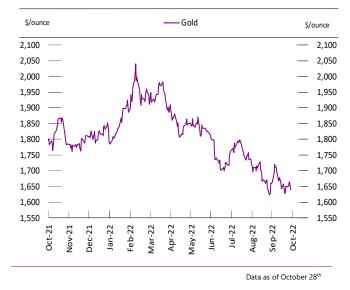


Data as of October 28<sup>th</sup>



Data as of October 28<sup>th</sup>





Data as of October 28<sup>th</sup>



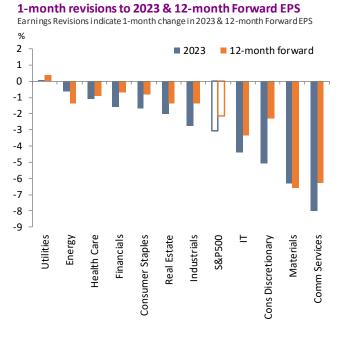


West Texas Intermediate (\$/brl)

## **US Sectors Valuation**

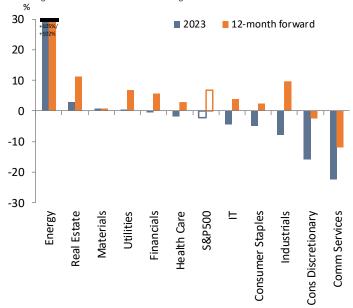
		Price (\$)		EPS Gro	wth (%)	Dividend	Yield (%)		P/	'E Ratio			P/BV R	latio	
	28/10/22	% Weekly Change	%YTD	2022	2023	2022	2023	2022	2023	12m fwd	10Yr Avg	2022	2023	Current	10Yr Avg
S&P500	3901	4.0	-18.2	6.2	6.5	1.7	1.8	17.8	16.7	16.9	17.3	3.8	3.5	3.5	3.0
Energy	686	2.8	62.2	150.7	-12.6	3.0	2.8	8.8	10.1	9.9	19.4	2.5	2.3	2.3	1.7
Materials	470	3.3	-17.4	8.3	-9.0	2.2	2.3	13.5	14.8	14.6	16.2	2.6	2.4	2.5	2.7
Financials															
<b>Diversified Financials</b>	940	7.8	-14.1	-13.8	10.5	1.7	1.8	15.8	14.3	14.6	15.0	1.9	1.8	1.8	1.6
Banks	337	4.3	-19.3	-17.2	15.6	3.1	3.3	10.5	9.1	9.3	11.5	1.2	1.1	1.1	1.1
Insurance	583	5.8	5.8	-9.5	24.1	1.9	2.1	16.1	13.0		11.8	2.1	1.9	1.9	1.3
Real Estate	231	6.2	-28.9	9.8	5.3	3.8	3.8	16.8	15.9		18.7	2.8	2.8	2.8	3.3
Industrials															
Capital Goods	835	7.5	-6.3	13.6	19.6	1.7	1.9	21.0	17.6	18.2	17.4	4.7	4.3	4.4	4.0
Transportation	878	4.6	-22.1	125.3	8.8	2.1	2.2	14.8	13.6	N/A	14.0	5.0	4.2	4.4	4.2
Commercial Services	484	5.6	-10.9	10.0	7.5	1.1	1.2	28.3	26.3	26.6	23.6	6.0	5.4	5.5	4.2
Consumer Discretionary															
Retailing	2987	-3.1	-29.3	-38.0	46.9	0.8	0.9	38.7	26.3	28.5	27.6	10.6	8.8	9.1	9.3
Consumer Services	1259	3.7	-16.6	N/A	143.8	1.2	1.4	55.5	22.8	N/A	35.9	76.4	55.0	N/A	12.2
Consumer Durables	320	6.3	-39.9	4.7	-10.3	2.0	2.1	10.8	12.0	11.8	17.0	2.6	2.4	2.4	3.4
Automobiles and parts	128	7.0	-35.5	28.6	11.8	0.3	0.4	26.2	23.4	N/A	16.1	5.1	4.4	4.5	2.9
IT															
Technology	2903	5.9	-15.0	6.2	4.1	0.9	0.9	22.3	21.4	21.5	15.8	16.3	14.3	14.7	7.0
Software & Services	2882	2.5	-26.0	10.2	11.4	1.0	1.1	24.7	22.2	22.6	21.7	7.7	6.6	6.8	6.3
Semiconductors	1593	6.1	-39.4	-2.9	-1.8	1.8	1.9	15.7	15.9	15.9	15.6	4.1	3.9	3.9	3.9
Communication Services	165	-2.9	-38.5	-14.8	10.8	1.0	1.1	16.1	14.5	14.8	19.1	2.6	2.4	2.5	3.2
Media	629	-4.6	-41.9	-14.7	11.2	0.3	0.4	17.9	16.1	16.4	22.6	3.1	2.8	2.8	3.7
Consumer Staples															
Food & Staples Retailing	658	5.9	-6.1	0.7	7.8	1.5	1.6	23.3	21.6	21.9	18.6	4.9	4.6	4.7	3.7
Food Beverage & Tobacco	845	6.6	3.5	4.6	3.0	3.1	3.2	19.6	19.0	19.1	18.5	5.4	5.1	5.1	5.0
Household Goods	779	5.2	-20.3	-2.2	5.2	2.6	2.7	24.2	23.0	23.2	21.6	9.4	9.1	9.2	6.9
Health Care															
Pharmaceuticals	1250	5.1	-3.8	5.1	-6.8	1.9	2.0	14.8	15.8	15.7	15.4	5.3	4.8	4.9	4.4
Healthcare Equipment	1833	4.9	-8.5	3.6	6.3	1.2	1.2	19.5	18.4	18.6	17.0	3.9	3.6	3.6	3.0
Utilities	342	6.5	-5.9	2.2	7.4	3.1	3.3	19.1	17.8	18.0	17.1	2.1	2.0	2.0	1.8

Blue box indicates a value more than +2standard devation from average, light blue a value more than +1standard devation from average. Orange box indicates a value less than -2standard devation from average, light orange a value less than -1standard devation from average from average avalue less than -1standard devation from average.



12-month revisions to 2023 & 12-month Forward EPS

Earnings Revisions indicate 12-month change in 2023 & 12-month Forward EPS



Data as of October 28<sup>th</sup>

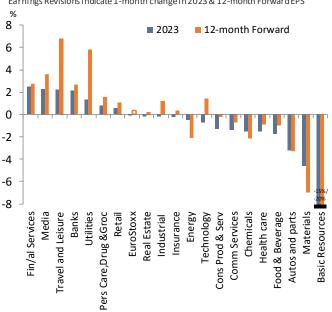
12-month forward EPS are 19% of 2022 EPS and 81% of 2023 EPS

12-month forward EPS are 19% of 2022 EPS and 81% of 2023 EPS National Bank of Greece | Economic Research Division | Global Markets Analysis

#### **Euro Area Sectors Valuation**

		Price (€)		EPS Gro	owth (%)	Dividend	Yield (%)		P/	E Ratio			P/E	<b>BV Ratio</b>	
	28/10/22	% Weekly Chan	ge %YTD	2022	2023	2022	2023	2022	2023	12m fwd	10Yr Avg	2022	2023	Current	10Yr Avg
EuroStoxx	393	3.7	-18.0	15.8	4.1	3.5	3.6	12.1	11.6	11.7	14.7	1.5	1.4	1.4	1.5
Energy	324	3.5	12.3	135.7	-17.3	5.3	5.0	4.8	5.8	5.6	13.0	1.1	1.0	1.0	1.2
Materials	911	2.9	-12.7	11.6	-26.2	3.2	3.2	10.3	13.9	13.3	15.7	1.6	1.5	1.5	1.7
Basic Resources	214	-1.3	-13.8	0.7	-52.1	3.3	3.4	3.9	8.1	7.4	9.8	0.6	0.6	0.6	0.8
Chemicals	1328	3.5	-12.6	19.3	-13.1	3.2	3.1	13.5	15.5	15.1	16.8	2.0	2.0	2.0	2.2
Financials															
Banks	87	2.8	-12.9	9.1	4.3	6.8	7.5	6.9	6.6	6.6	9.9	0.6	0.5	0.5	0.7
Insurance	284	3.6	-7.1	-12.5	32.0	5.9	6.3	10.8	8.2		9.7	1.1	1.0		0.9
Financial Services	483	3.5	-16.6	39.8	-9.1	3.2	3.3	10.3	11.4	11.2	16.1	1.2	1.1	1.1	1.3
Real Estate	129	6.3	-42.2	6.5	3.2	6.7	7.5	10.0	9.6	9.7	17.0	0.5	0.5	0.5	1.0
Industrials															
Industrial Goods & Services	938	5.0	-19.9	19.5	10.9	2.4	2.7	17.0	15.3	15.6	17.4	2.5	2.2	2.3	2.6
Construction & Materials	451	7.0	-17.0	-4.6	1.7	4.0	4.1	11.4	11.2	11.2	14.8	1.5	1.4	1.4	1.5
Consumer Discretionary															
Retail	457	5.4	-34.1	-4.7	7.3	4.6	4.9	19.2	17.9	18.1	26.0	3.8	3.7	3.7	5.6
Automobiles and parts	497	2.8	-21.1	18.0	-14.5	6.5	6.0	4.5	5.3	5.2	8.0	0.7	0.7	0.7	1.0
Travel and Leisure	182	6.9	-6.1	N/A	45.5	1.0	1.2	23.9	16.4	N/A	N/A	2.2	2.0	2.0	2.2
Consumer Products & Services	397	1.6	-24.7	9.0	12.4	1.8	1.9	25.5	22.7	23.2	24.8	5.4	4.8	4.9	4.2
Media	254	3.9	-10.9	19.8	17.0	2.5	2.8	20.0	17.1	17.6	18.5	2.7	2.5	2.6	2.2
Technology	676	2.0	-31.2	1.1	21.7	1.3	1.4	22.0	18.1	18.8	21.9	3.0	2.8	2.8	3.7
Consumer Staples															
Food, Beverage & Tobacco	160	3.2	-16.6	16.5	9.7	2.0	2.3	17.8	16.2	16.5	20.1	1.9	1.8	1.8	2.6
Personal Care, Drug & Grocery	167	1.7	-16.6	2.6	7.5	2.7	2.8	15.4	14.3	14.5	17.6	2.2	2.1	2.1	2.3
Health care	761	4.1	-18.5	8.7	6.7	2.5	2.6	15.0	14.0	14.2	16.7	1.9	1.8	1.8	2.3
Communication Services	267	5.9	-7.3	22.1	8.3	4.3	4.5	14.4	13.3	13.5	15.3	1.4	1.4	1.4	1.7
Utilities	330	6.4	-16.4	-51.1	109.6	4.7	5.0	25.3	12.1	14.4	14.1	1.5	1.5	1.5	1.3

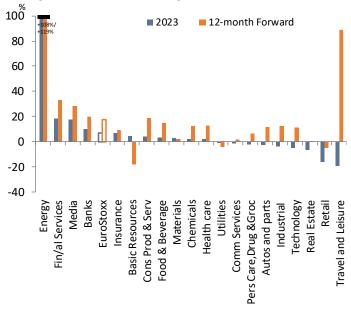
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1-month revisions to 2023 & 12-month Forward EPS Earnings Revisions indicate 1-month change in 2023 & 12-month Forward EPS

12-month revisions to 2023 & 12-month Forward EPS

Earnings Revisions indicate 12-month change in 2023 & 12-month Forward EPS



Data as of October 28<sup>th</sup>

12-month forward EPS are 19% of 2022 EPS and 81% of 2023 EPS

12-month forward EPS are 19% of 2022 EPS and 81% of 2023 EPS National Bank of Greece | Economic Research Division | Global Markets Analysis



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