# **Global Markets Roundup**

National Bank of Greece | Economic Research Division | November 22, 2022

# Global equity markets paused for breath following their +9% trough-to-peak rally

- Global equity markets paused for breath in the past week, with the S&P500 down by 0.7% and the EuroStoxx up by 0.8% wow, following +7.3% and +8.3% gains trough-to-peak. Core government bond yields were mixed, with the UST 2-Year/10-Year yield curve spread hovering to its lowest level since 1982 (circa -70 basis points) and suggesting that economic growth is set to slow in the next twelve months.
- The US Dollar moved sideways, initially continuing to slide (-4.5% since its peak on 3rd November in NEER terms) on speculation for a less hawkish Fed on the back of signs that US inflation could have passed its peak. The minutes of the November 2<sup>nd</sup> FOMC meeting will probably offer insights regarding the pace of hikes and the terminal interest rate. Nevertheless, strong economic data, with the Atlanta FED GDPNow model pointing to growth of +4.2% gog saar in Q4 and renewed hawkish Fed officials' commentary arrested the US dollar decline. In all, the DXY Index rose by 0.6% in the past week and posted further gains on Monday (+0.8%).
- Oil prices decreased on weakening demand expectations, fueled, inter alia, by a relatively unfavorable pandemic situation in China. Brent prices declined by -8.7% wow to \$87.6/barrel and the WTI fell by -10% wow to \$80/barrel).
- On the other hand, European natural gas prices rose on account of Freeport LNG, an important US exporter of LNG, pushing back by a month to mid-December its estimate for the partial resumption of operations in its Texas facility. The Dutch TTF December 2022 contract increased by +18% wow to €116/MWh and the December 2023 by +13.5% wow to €123/MWh.
- In the United Kingdom, according to the Autumn Statement, major shifts were confirmed (reversals compared with former P/M Truss's Growth Plan accumulate to circa £123 bn by fiscal year 2027/28). Still, significant net supportive measures are included for the short-term, of £42 bn (1.7% of GDP) for fiscal year 2022/23 (April 2022 to March 2023), the bulk of which regard energy bills relief for households and businesses (see graph below).
- Significant supportive measures are also planned for fiscal year 2023/24, with, inter alia, more modest energy bills relief and taxes on windfall profits in the energy sector, more than offsetting the introduction of public transfers particularly towards most vulnerable recipients. Further ahead, a sizable fiscal consolidation is envisaged for the period 2024/2025 to 2027/2028, gradually reaching £55 bn (2.2% of GDP) by fiscal year 2027/28 according to HM Treasury (£30 bn in reduced spending and £25 bn due to higher taxes).
- In all, Office for Budget Responsibility (OBR) estimates that public sector's net borrowing as a % of GDP will reach -7.1% in 2022/23 (from -6.4% in fiscal year 2021/22), -6.4% in 2023/24, -3.7% in 2024/25 and -2.8% by 2027/28. The general government gross debt is anticipated to peak at 111% of GDP in fiscal year 2026/27.
- UK Policy Measures in Autumn Statement: Net Easing/Tightening UK: Taxes as % of GDP - Outturn November 2022 forecast Spending £ bn Net Easing/Tightening £ bn Taxes % March 2022 forecast March 2020 forecast Nov.2022 pre-Autumn Statemen 60 60 38 38 Charts of the week Positive Values Point to Net 50 — 50 37 37 40 — **Fiscal Tightening** 40 36 36 30 30 35 35 20 20 34 34 10 10 33 33 0 0 32 32 Estimates -10 -10 31 31 -20 -20 30 30 Negative Values Point to Net -30 -30 29 29 Supportive Measures (Fiscal Easing) -40 -40 28 28 -50 -50 27 27 1 -60 -60 26 2022/23 2023/24 2024/25 2025/26 2026/27 2027/28 1948 1952 \*: Fiscal Year, i.e. April 6th 2022 to April 5th 2023 ntal axis the which each fiscal year ends, 2028 = fis Source: NBG Research, UK Office for Budget Responsibility, HM Treasury
- On economic activity, the OBR envisages a recession lasting "just over a year", with real GDP contracting by -2.1% from peak to trough (real GDP growth of -1.4% in 2023).

See page 11 for disclosures and analyst certification

210-3341517 tsirigotakis.hlias@nbg.gr Panagiotis Bakalis 210-3341545 mpakalis.pan@nbg.gr

Ilias Tsirigotakis<sup>AC</sup>

Markets Research

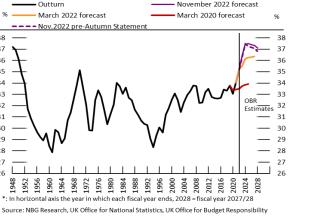
Head of Global

Vasiliki Karagianni 210-3341548 karagianni.vasiliki@nbg.gr

Leonidas Patsios 210-3341553 Patsios.Leonidas@nbg.gr

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#### US retail sales were stronger than expected in October

• Nominal retail sales rose substantially in October, by 1.3% mom after being roughly unchanged on a monthly basis (seasonally adjusted) in September, versus consensus estimates for +1.0% mom. The annual pace of growth was +8.3% in October from +8.6% in the previous month. Meanwhile, the so-called "control group", as it feeds into the calculation for GDP (i.e., excluding autos, gas, food services and building materials) was up by +0.7% mom (+6.5% yoy). That outcome meaningfully overshot consensus estimates for +0.3% mom, with the overperformance of expectations for the level of the "control group" being even more profound, given an upward revision for September, by 0.2 pps to +0.6% mom (+7.2% yoy).

# US manufacturing output was broadly stable in October

• US industrial production slightly decreased by 0.1% mom in October, from +0.1% mom in September and below consensus estimates for +0.2% mom. The undershot of expectations was more profound for the level of output, given that September's outcome was revised down by 0.4%. The annual pace of growth decelerated to +1.5% yoy, from +2.2% yoy. Importantly, manufacturing production (78% of total) increased by +0.1% mom in October (+2.4% yoy), from +0.2% mom (+4.0% yoy) in September, compared with consensus estimates for +0.2% mom. The underperformance versus expectations was more profound for the level of output, given that September's outcome turned out 0.7% weaker than previously reported (downward revisions occurred for July's, August's and September's readings).

• In all, the Atlanta Fed's GDPNowcast model points to +4.2% qoq saar (+1.1% yoy) for GDP in Q4:22, from +2.6% qoq saar (+1.8% yoy) in Q3:22.

# Euro area industrial production ended Q3:2022 on a surprisingly positive note

• Euro area industrial production increased by 0.9% mom (+4.9% yoy) in September, above consensus estimates for +0.3% mom. The overperformance of expectations for the level of output was even more profound, given a meaningful upward revision for August, by 0.5 pps to +2.0% mom (+2.8% yoy). It should also be noted though that both outcomes were distorted to the upside by erratic data for Ireland (+11.9% in September, following a +19.6% mom in August). Overall, the recent rise came despite the sector facing continued headwinds, *inter alia*, from particularly elevated energy prices.

In the event, recall that industrial output in Germany increased by +0.8% mom (+3.6% yoy) in September from -0.7% mom (+2.2% yoy) in August, although the energy-intensive segments (e.g. manufacture of chemicals, basic metals, coke and refined petroleum products) continued to significantly under-perform (-0.9% mom from -3.0% mom | -10.3% since February 2022 versus -2.0% for overall industrial output), according to the German Federal Statistical Office (Destatis).

## **UK CPI inflation exceeded expectations in October**

**CPI growth accelerated by 1.0 pp to 11.1% yoy in October, the highest since October 1981.** The latest outcome compares with consensus estimates for 10.7% yoy and respective ones from the Bank of England (November) for 10.9% yoy.

Sharp pressures were broad based. In the event, the annual growth of the energy component came out at 59.0% from 49.6% in September, with the monthly pace of growth at +14.6% as fiscal measures to limit price increases offset only partially the effects from the reset (higher) of the energy price cap from Great Britain's energy regulator (from now on, a reset will take place on a quarterly basis instead of every 6 months previously, to better reflect the quickly changing cost of supplying energy).

Furthermore, prices of food, alcoholic beverages & tobacco rose by 13.2% yoy from 11.8% yoy, a record (since 1989) high and with the momentum remaining sharp (+1.4% mom | all figures in not-seasonally adjusted terms). Finally, core CPI (i.e. excluding the two aforementioned components) was roughly stable at 6.5% yoy, the highest since March 1992, above consensus estimates for 6.4% (+0.7% mom from +0.6% mom in September and versus consensus for +0.6% mom).

# Japanese real GDP unexpectedly declined in Q3, albeit distorted to the downside from a likely transitory factor Japanese GDP fell by -1.2% qoq saar in Q3:22 (+1.8% yoy) according to the preliminary estimate, following a +4.6% qoq saar (+1.7% yoy) in Q2:22 and versus consensus estimates for +1.1% qoq saar.

Nevertheless, the weakness was predominantly due to an extraordinary concurrence of advertising payments abroad from Japanese companies, which drove services imports sharply higher (+88.2% gog saar). As a result, net exports subtracted 2.6 pps from the headline GDP growth, with imports (of both goods & services) increasing by +22.6% gog saar, outpacing exports (+7.9% gog saar). Inventories also posed a drag (-0.3 pps) and residential investment decreased by -1.7% qoq saar (-7.4% qoq saar in Q2:22), with a negative contribution of 0.1 pp to the headline outcome. On the other hand, private consumption rose by +1.1% gog saar (+0.6 pps contribution to the headline figure), following a +5.1% qoq saar in Q2:22. Business investment increased by +6.3% qoq saar in Q3:22 (+9.9% in the previous quarter), adding 1.0 pp to overall GDP growth. **Public investment** was up by +4.9% gog saar (+0.2 pps | +4.2% gog saar in Q2:22), while government consumption was largely unchanged on a quarterly basis (+3.4% qoq saar in Q2:22).

# China: Economic activity entered Q4:22 on a weak note

**Economic activity disappointed in October.** The annual growth of retail sales (in nominal terms) came out at -0.5% yoy from +2.5% yoy in September, meaningfully below expectations for +1.0%. A deteriorated pandemic situation during the month weighed, as suggested, *inter alia*, by covid-sensitive categories (e.g. catering sales: -8.1% yoy from -1.7% yoy). In addition, industrial production growth decelerated to +5.0% from +6.3% yoy in September, versus consensus estimates for +5.2% yoy. Finally, fixed assets investment growth came out at +5.8% yoy in October, from +5.9% yoy in the previous month, versus consensus for a stable reading. The latest readings came alongside overall credit's annual growth, as measured by Total Social Financing (TSF), decelerating by 0.3 pps to +10.3% in October.

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# **Equities**

• Global equity markets were mixed in the past week. Overall, the MSCI ACWI ended the week down by 0.4% wow (-18% ytd). The S&P500 declined by 0.7% wow (-16% ytd), reversing the strongly positive momentum of the previous week (5.9% wow | the 4<sup>th</sup> largest weekly increase in 2022), as investors' expectations for a dovish pivot in Fed's monetary policy faded following the hawkish comments by the Bank's officials (Bullard, Daly, Williams). Sector-wise, Consumer Discretionary underperformed (-3.1% wow | -32% ytd), with Target Corp. declining by 13% on Wednesday, after reporting Q3:22 result with EPS missing estimates by nearly 30% (\$1.54 vs \$2.16) on weaker margin performance. On the other side of the Atlantic, the EuroStoxx rose by 0.8% wow (-12% yoy), with Banks overperforming (+2.7% wow | -7% ytd).

# **Fixed Income**

**Government bond yields were mixed in the past week**. Specifically, the US Treasury 10-year yield ended the week broadly stable at 3.81%, while its 2-year peer rose by 12 bps to 4.55%, with their negative spread (-74 bps) being the largest since 1982. In the United Kingdom, the yield of the 10-year Gilt decreased by 12 bps wow to 3.23%, while its 2-year peer was broadly stable at 3.14%, with the downward trend reversing intra-week (+6bps and +12 bps cumulatively on Thursday and Friday, respectively) after the new estimates by the Office for Budget Responsibility (OBR). In Germany, the 10-year yield fell by 14 bps wow to 2.01%, while periphery government bond yields modestly narrowed (Italy: -14 bps to 190 bps, Spain: -5 bps to 99 bps, Greece: -9 bps to 224 bps).

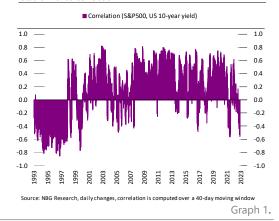
**Corporate bond spreads were mixed in the past week.** Specifically, US high yield spreads were down by 16 bps to 465 bps, while their euro counterparts increased by 13 bps to 524 bps. In the Investment Grade spectrum, US spreads decreased by 13 bps to 145 bps and Euro area spreads declined by 5 bps to 187 bps. Notably, nominal yields of both categories have declined from their multi-year highs recorded in mid-October, with US HY yields declining by 74 bps to 8.9% from a 2.5-year high of 9.6%, while their euro counterparts have decreased by 107 bps to 7.4% from a 10-year high of 8.5% (see Graph 3).

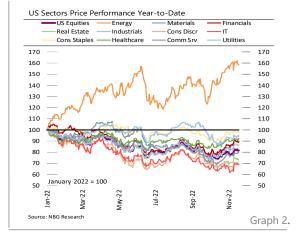
During the past week, Air France-KLM raised €305 mn by issuing subordinated undated unsecured bonds convertible into shares, bearing interest of 6.5% until November 2025 and then a rate equal to 1,300 bps above the applicable 3 year-Mid-Swap Rate in Euro. The net proceeds will be fully allocated to the repayment of the perpetual bonds held by the French State, issued in April 2021. In Greece, the book building process for the issuance of Senior Preferred Bonds have been successfully completed by the National Bank of Greece (with a maturity of 5 years, callable after 4 years | coupon of 7.25%) and Piraeus Bank (with a maturity of 4 years, callable after 3 years | coupon of 8.25%), with the banks raising €500 mn and €350 mn, respectively. The issuances are part of the Banks' strategy to increase their minimum requirements for own funds and eligible liabilities (MREL).

# FX and Commodities

In foreign exchange markets, the Japanese yen depreciated in the past week, due to, inter alia, the BOJ Governor Kuroda comments in favor of maintaining ultra-loose policy and negative rates, despite the acceleration of inflation (CPI excluding fresh food rose to 3.6% its highest level since 1982). Overall, the yen declined by 0.6% wow against the US dollar to ¥139.89 and by 0.9% against the euro to ¥144.94. In commodities, oil prices declined in the past week, with WTI down by 10% wow at \$80.1/barrel (+7% ytd), while the Brent fell by -8.7% wow to \$87.6/barrel (+13% ytd) due to increased demand concerns amid increased new daily COVID-19 cases in China that recorded a 7-month high on Thursday.

Stocks - Bonds Correlation





Corporate Bond Yields USD HY EUR HY bps USD IG EUR IG bps 13 13 12 12 11 11 10 q Jul-16 Jan-18 Jul-18 an-19 Jul-19 Jul-20 an-21 Jul-21 an-22 Jan-16 an-17 Jul-17 Jan-20 Jul-22 Graph 3.

Quote of the week: "We expect to raise rates further – and withdrawing accommodation may not be enough. Ultimately, we will raise rates to levels that bring inflation back down to our medium-term target in a timely manner ... how far we need to go, and how fast, will be determined by the inflation outlook.", ECB President, C. Lagarde, November 18<sup>th</sup> 2022.

# Interest Rates & Foreign Exchange Forecasts



10-Yr Gov. Bond Yield (%)	November 18th	3-month	6-month	12-month	Official Rate (%)	November 18th	3-month	6-month	12-month
Germany	2.01	2.15	2.25	2.25	Euro area	1.50	2.00	2.50	2.50
US	3.81	4.00	4.10	4.10	US	4.00	4.50	5.00	5.00
UK	3.23	4.08	3.93	3.67	UK	3.00	3.60	4.25	4.35
Japan	0.24	0.23	0.27	0.33	Japan	-0.10	-0.10	-0.10	-0.10
Currency	November 18th	3-month	6-month	12-month		November 18th	3-month	6-month	12-month
EUR/USD	1.04	1.02	1.05	1.10	USD/JPY	140	149	141	136
EUR/GBP	0.87	0.88	0.87	0.89	GBP/USD	1.19	1.16	1.20	1.23
EUR/JPY	145	152	148	150					
Forecasts at end of period									

Forecasts at end of period

Economic Forecasts											
<b>United States</b>	2020a	Q1:21a	Q2:21a	Q3:21a	Q4:21a	2021a	Q1:22a	Q2:22a	Q3:22a	Q4:22f	2022
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	2022
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	10,3	8,4

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

	US	Euro Area	Japan	UK
בוסאומו אומו אינו		+Still high equity risk premium relative to other regions + Still loose fiscal policy in 2022 (plus RRF) - Geopolitical uncertainty (Ukraine-Russia, natural gas) could intensify - Logistic disruptions (vaccine) and renewed lockdowns in China delay the export-led recovery	+Still aggressive QE and "yield-curve" targeting by the BoJ +JPY depreciation @ 20Y highs (¥130) support exporters - Signs of policy fatigue regarding structural reforms and fiscal discipline - Chinese growth decelaration	+ Significant exposure to commodities + Undemanding valuations in relative terms relative to other regions - Elevated domestic policy uncertainty
	Neutral/Negative	Neutral	Neutral	Neutral/Positive
	+Valuations appear rich despite the 200bps increase, with term-premium @ 0% (1% for 2000-2015) + Sizeable fiscal deficit +Underlying inflation pressures under Average Inflation Targeting + Fed: End of asset purchases - Global search for yield by non-US investors (e.g. Japan, repatriation from EM Economies) continues - Safe haven demand	+Valuations still appear excessive compared with long- term fundamentals + ECB: End of APP purchases in June 2022, interest rate hikes in H2 - Political Risks - Fragile growth outlook - ECB QE "stock" effect	+Restructuring efforts to be financed by fiscal policy	<ul> <li>Inflation expectations could drift higher due to supp disruptions (persistent post Brexit, temporary due to China)</li> <li>The BoE is expected to raise rates towards 2%</li> <li>Slowing economic growth post-Brexit</li> </ul>
	Slightly higher yields expected	Slightly higher yields expected	Stable yields expected	Slightly higher yields expected
	+Weak global growth / Safe-haven demand status + USD interest rate differential vs peers remain significant + Aggresive Fed tightening - Global political uncertainty to decline	+Current account surplus - Still negative interest rates - Global growth risks remain to the downside	+Safe haven demand +More balanced economic growth recovery (long- term) +Inflation is bottoming out - Additional Quantitative Easing by the Bank of Japan if inflation does not approach 2%	+ Valuations appear undemanding with REER below in 15-year average - Sizeable Current account deficit
1	<ul> <li>Broadly Flat USD against G10 FX</li> </ul>	Broadly Flat/Stronger EUR against the USD	▲Slightly higher JPY	Broadly stable GBP expected

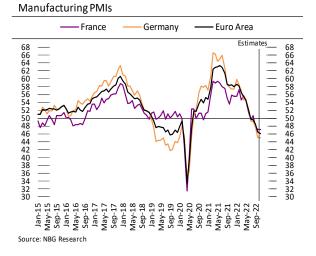


# **Economic Calendar**

In the US, the minutes of the latest Fed meeting will be closely watched. Meanwhile, durable goods orders (October) and new home sales (November) announcements, with gather investors' attention. On Wednesday, attention turns to the weekly initial and continuing jobless claims for a more updated view of labor market conditions.

In the Euro area, attention turns to PMI (23/11) and consumer confidence (22/11) surveys for November, as they will provide valuable insight regarding the current economic momentum.

In Germany, the final estimate of Q3:22 GDP on Friday will be closely watched. GDP is expected to remain unchanged compared with the previous estimate (+0.3% qoq | +1.1% yoy wda).



#### Economic News Calendar for the period: November 15 - November 28, 2022

		s		Α	Р	GERMANY		s	А	Р	Wednesday 16 US		s	А	Р
US Empire Manufacturing	November	-6.5	+	<b>A</b> 4.5	-9.1	ZEW survey current situation	November	-68.4 -			US Retail Sales Advance (MoM)	October	5 1.0%	+ 1.3%	P 0.0%
Empire Manufacturing EURO AREA	November	-6.5	+	4.5	-9.1	ZEW survey current situation ZEW survey expectations	November	-68.4 -50.0 -			Retail Sales Advance (MoM) Retail sales ex-autos (MoM)	October	1.0% 0.4%	+ 1.3% + 1.3%	0.0%
Trade Balance SA (€ bn)	September	-42 0		-37.7	-47.6	zew survey expectations	November	-50.0	- 50.7	-55.2	Industrial Production (MoM)	October	0.4%	0.1%	0.1%
Employment (QoQ)	Q3:22			0.2%	0.4%						NAHB housing market				
Employment (YoY)	Q3:22		1.1	1.7%	2.7%						confidence index	November	36	33	38
GDP (QoQ)	Q3:22	0.2%		0.2%	0.2%						Net Long-term TIC Flows (\$ bn)	September		118.0	198.3
GDP (YoY)	Q3:22	2.1%		2.1%	2.1%						UK				
UK											CPI (YoY)	October	10.7%	11.1%	10.1%
ILO Unemployment Rate	September	3.5%	-	3.6%	3.5%						CPI Core (YoY)	October	6.4%	6.5%	6.5%
JAPAN															
GDP (QoQ)	Q3:22	1.1%		-1.2%	4.6%										
GDP Private Consumption (QoQ)	Q3:22			0.3%	1.2%										
GDP Business Spending (QoQ)	Q3:22	2.1%		1.5%	2.4%										
CHINA															
Industrial production (YoY)	October			5.0%	6.3%										
Retail sales (YoY)	October	1.0%	-	-0.5%	2.5%										
Thursday 17						Friday 18					Monday 21				
US		S		Α	Р	US		S	А	Р	Monday 21				
Housing starts (k)	October	1410	+	1425	1488	Existing home sales (mn)	October		+ 4.43	4.71					
Building permits (k)	October	1512		1526	1564	UK	Octobel	-1.50	4.45						
Philadelphia Fed Business						Retail sales Ex Auto MoM	October	0.6%	0.3%	-1.5%					
Outlook	November	-6.2	-	-19.4	-8.7	JAPAN									
Initial Jobless Claims (k)	November 12	225	+	222	226	CPI (YoY)	October	3.6%	3.7%	3.0%					
Continuing Claims (k)	November 05	1500	12	1507	1494	Core CPI (YoY) - ex. Fresh Food	October	3.5%	3.6%	3.0%	1				
JAPAN						Core CPI (YoY) - ex. Fresh Food	October	2.4%	2.5%		1				
Imports YoY	October	49.7%	+	53.5%	45.7%	and Energy	Uctober	2.4%	2.5%	1.8%	1				
Exports YoY	October	28.1%	-	25.3%	28.9%	5,									
Tuesday 22						Wednesday 23									
															Р
		c						c					5		
EURO AREA	November	S		Α	P -27.6	US Durable goods orders (MoM)	October	S 0.4%	Α	P	UK S&R Global LIK RMI		S	A	
EURO AREA Consumer Confidence Indicator	November	<b>S</b> -26.0		А 	<b>P</b> -27.6	Durable goods orders (MoM)	October	0.4%	А 	0.4%	S&P Global UK PMI	November	<b>S</b> 45.6	А 	<b>P</b> 46.2
	November			A 	<b>P</b> -27.6	Durable goods orders (MoM) Durable goods orders ex	October October		А 		S&P Global UK PMI Manufacturing SA		45.6		46.2
	November				Р -27.6	Durable goods orders (MoM) Durable goods orders ex transportation (MoM)	October	0.4% 0.1%		0.4% -0.5%	S&P Global UK PMI Manufacturing SA Markit/CIPS UK Services PMI	November	45.6 48.0		46.2 48.8
	November			А 	<b>P</b> -27.6	Durable goods orders (MoM) Durable goods orders ex transportation (MoM) Initial Jobless Claims (k)	October November 19	0.4%	А  	0.4% -0.5% 222	S&P Global UK PMI Manufacturing SA Markit/CIPS UK Services PMI Markit/CIPS UK Construction		45.6		46.2
	November			А 	<b>P</b> -27.6	Durable goods orders (MoM) Durable goods orders ex transportation (MoM) Initial Jobless Claims (k) Continuing Claims (k)	October November 19 November 12	0.4% 0.1% 225 		0.4% -0.5% 222 1507	S&P Global UK PMI Manufacturing SA Markit/CIPS UK Services PMI	November	45.6 48.0		46.2 48.8
	November			<b>А</b> 	<b>P</b> -27.6	Durable goods orders (MoM) Durable goods orders ex transportation (MoM) Initial Jobless Claims (k) Continuing Claims (k) New home sales (mn)	October November 19 November 12 November	0.4% 0.1% 225  0.6		0.4% -0.5% 222 1507 0.6	S&P Global UK PMI Manufacturing SA Markit/CIPS UK Services PMI Markit/CIPS UK Construction	November	45.6 48.0		46.2 48.8
	November			А 	<b>P</b> -27.6	Durable goods orders (MoM) Durable goods orders ex transportation (MoM) Initial Jobless Claims (k) Continuing Claims (k) New home sales (mn) S&P Global US Manufacturing	October November 19 November 12	0.4% 0.1% 225 		0.4% -0.5% 222 1507	S&P Global UK PMI Manufacturing SA Markit/CIPS UK Services PMI Markit/CIPS UK Construction	November	45.6 48.0		46.2 48.8
	November			А 	<b>P</b> -27.6	Durable goods orders (MoM) Durable goods orders ex transportation (MoM) Initial Jobless Claims (k) Continuing Claims (k) New home sales (mn) S&P Global US Manufacturing PMI	October November 19 November 12 November	0.4% 0.1% 225  0.6		0.4% -0.5% 222 1507 0.6	S&P Global UK PMI Manufacturing SA Markit/CIPS UK Services PMI Markit/CIPS UK Construction	November	45.6 48.0		46.2 48.8
	November			А 	<b>P</b> -27.6	Durable goods orders (MoM) Durable goods orders ex transportation (MoM) Initial Jobless Claims (k) Continuing Claims (k) New home sales (mn) S&P Global US Manufacturing PMI FOMC Minutes	October November 19 November 12 November November	0.4% 0.1% 225  0.6		0.4% -0.5% 222 1507 0.6	S&P Global UK PMI Manufacturing SA Markit/CIPS UK Services PMI Markit/CIPS UK Construction	November	45.6 48.0		46.2 48.8
	November			А 	P -27.6	Durable goods orders (MoM) Durable goods orders ex transportation (MoM) Initial Jobless Claims (k) Continuing Claims (k) New home sales (mn) S&P Global US Manufacturing PMI	October November 19 November November November November 2	0.4% 0.1% 225  0.6 49.9		0.4% -0.5% 222 1507 0.6 50.4	S&P Global UK PMI Manufacturing SA Markit/CIPS UK Services PMI Markit/CIPS UK Construction	November	45.6 48.0		46.2 48.8
	November			<b>A</b> 	<b>P</b> -27.6	Durable goods orders (MoM) Durable goods orders ex transportation (MoM) Initial Jobless Claims (k) Continuing Claims (k) New home sales (mn) S&P Global US Manufacturing PMI FOMC Minutes <b>EURO AREA</b> S&P Global Eurozone	October November 19 November 12 November November	0.4% 0.1% 225  0.6		0.4% -0.5% 222 1507 0.6	S&P Global UK PMI Manufacturing SA Markit/CIPS UK Services PMI Markit/CIPS UK Construction	November	45.6 48.0		46.2 48.8
	November			A 	<b>P</b> -27.6	Durable goods orders (MoM) Durable goods orders ex transportation (MoM) Initial Jobless Claims (k) Continuing Claims (k) New home sales (mn) S&P Global US Manufacturing PMI FOMC Minutes EURO AREA	October November 19 November 12 November November 2 November 2	0.4% 0.1% 225  0.6 49.9 46.0		0.4% -0.5% 222 1507 0.6 50.4 46.4	S&P Global UK PMI Manufacturing SA Markit/CIPS UK Services PMI Markit/CIPS UK Construction	November	45.6 48.0		46.2 48.8
	November			A 	P -27.6	Durable goods orders (MoM) Durable goods orders ex transportation (MoM) Initial Jobless Claims (k) Continuing Claims (k) New home sales (mn) S&P Global US Manufacturing PMI FOMC Minutes <b>EURO AREA</b> S&P Global Eurozone Manufacturing PMI S&P Global Eurozone Services	October November 19 November November November November 2	0.4% 0.1% 225  0.6 49.9		0.4% -0.5% 222 1507 0.6 50.4	S&P Global UK PMI Manufacturing SA Markit/CIPS UK Services PMI Markit/CIPS UK Construction	November	45.6 48.0		46.2 48.8
	November			A 	P -27.6	Durable goods orders (MoM) Durable goods orders ex transportation (MoM) Initial Jobless Claims (k) Continuing Claims (k) New home sales (mn) S&P Global US Manufacturing PMI FOMC Minutes <b>EURO AREA</b> S&P Global Eurozone Manufacturing PMI	October November 19 November 12 November November 2 November November	0.4% 0.1% 225  0.6 49.9 46.0 48.1		0.4% -0.5% 222 1507 0.6 50.4 46.4 48.6	S&P Global UK PMI Manufacturing SA Markit/CIPS UK Services PMI Markit/CIPS UK Construction	November	45.6 48.0		46.2 48.8
	November			A 	P -27.6	Durable goods orders (MoM) Durable goods orders ex transportation (MoM) Initial Jobless Claims (k) Continuing Claims (k) New home sales (mn) S&P Global US Manufacturing PMI FOMC Minutes EURO AREA S&P Global Eurozone Manufacturing PMI S&P Global Eurozone Services PMI	October November 19 November 12 November November 2 November 2	0.4% 0.1% 225  0.6 49.9 46.0		0.4% -0.5% 222 1507 0.6 50.4 46.4	S&P Global UK PMI Manufacturing SA Markit/CIPS UK Services PMI Markit/CIPS UK Construction	November	45.6 48.0		46.2 48.8
	November			A	P -27.6	Durable goods orders (MoM) Durable goods orders ex transportation (MoM) Initial Jobless Claims (k) Continuing Claims (k) New home sales (mn) S&P Global US Manufacturing PMI FOMC Minutes <b>EURO AREA</b> S&P Global Eurozone Manufacturing PMI S&P Global Eurozone Services PMI S&P Global Eurozone Composite	October November 19 November 12 November November 2 November November	0.4% 0.1% 225  0.6 49.9 46.0 48.1		0.4% -0.5% 222 1507 0.6 50.4 46.4 48.6	S&P Global UK PMI Manufacturing SA Markit/CIPS UK Services PMI Markit/CIPS UK Construction	November	45.6 48.0		46.2 48.8
Consumer Confidence Indicator	November			A	P -27.6	Durable goods orders ex Durable goods orders ex transportation (MOM) Initial Jobless Claims (k) Continuing Claims (k) New home sales (mn) S&P Global US Manufacturing PMI FOMC Minutes EURO AREA S&P Global Eurozone Manufacturing PMI S&P Global Eurozone Services PMI S&P Global Eurozone Composite PMI	October November 19 November 12 November November 2 November November	0.4% 0.1% 225  0.6 49.9 46.0 48.1		0.4% -0.5% 222 1507 0.6 50.4 46.4 48.6	S&P Global UK PMI Manufacturing SA Markit/CIPS UK Services PMI Markit/CIPS UK Construction PMI	November	45.6 48.0		46.2 48.8
Consumer Confidence Indicator	November	-26.0			-27.6	Durable goods orders (MoM) Durable goods orders ex transportation (MoM) Initial Jobless Claims (k) Continuing Claims (k) New home sales (mn) S&P Global US Manufacturing PMI FOMC Minutes <b>EURO AREA</b> S&P Global Eurozone Manufacturing PMI S&P Global Eurozone Services PMI S&P Global Eurozone Composite PMI Friday 25	October November 19 November 12 November November 2 November November	0.4% 0.1% 225  0.6 49.9 46.0 48.1 47.0		0.4% -0.5% 222 1507 0.6 50.4 46.4 48.6 47.3	S&P Global UK PMI Manufacturing SA Markit/CIPS UK Services PMI Markit/CIPS UK Construction PMI Monday 28	November	45.6 48.0 47.5		46.2 48.8 48.2
Consumer Confidence Indicator Thursday 24 JAPAN		-26.0		A 	-27.6 P	Durable goods orders (MoM) Durable goods orders ex transportation (MoM) Initial Jobless Claims (k) Continuing Claims (k) New home sales (mm) S&P Global US Manufacturing PMI FOMC Minutes <b>EURO AREA</b> S&P Global Eurozone Manufacturing PMI S&P Global Eurozone Services PMI Friday 25 GERMANY	October November 19 November 2 November November November November November	0.4% 0.1% 225  0.6 49.9 46.0 48.1 47.0	      	0.4% -0.5% 222 1507 0.6 50.4 46.4 48.6 47.3	S&P Global UK PMI Manufacturing SA Markit/CIPS UK Services PMI Markit/CIPS UK Construction PMI Monday 28 EURO AREA	November November	45.6 48.0		46.2 48.8 48.2
Consumer Confidence Indicator Thursday 24 JAPAN PMI manufacturing	November	-26.0			-27.6 P 50.7	Durable goods orders ex transportation (MoM) Durable goods orders ex transportation (MoM) Initial Jobless Claims (k) Continuing Claims (k) New home sales (mn) S&P Global US Manufacturing PMI FOMC Minutes EURO AREA S&P Global Eurozone Manufacturing PMI S&P Global Eurozone Services PMI S&P Global Eurozone Composite PMI Friday 25 GERMANY GDP (QoQ)	October November 19 November 2 November November November November November Q3:22	0.4% 0.1% 225  0.6 49.9 46.0 48.1 47.0 <b>S</b> 0.3%		0.4% -0.5% 222 1507 0.6 50.4 46.4 48.6 47.3 <b>P</b> 0.3%	S&P Global UK PMI Manufacturing SA Markit/CIPS UK Services PMI Markit/CIPS UK Construction PMI Monday 28	November	45.6 48.0 47.5		46.2 48.8 48.2
Consumer Confidence Indicator <u>Thursday 24</u> JAPAN PMI manufacturing Leading Index		-26.0			-27.6 P	Durable goods orders (MoM) Durable goods orders ex transportation (MoM) Initial Jobless Claims (k) Continuing Claims (k) New home sales (mm) S&P Global US Manufacturing PMI FOMC Minutes <b>EURO AREA</b> S&P Global Eurozone Manufacturing PMI S&P Global Eurozone Services PMI Friday 25 GERMANY	October November 19 November 2 November November November November November	0.4% 0.1% 225  0.6 49.9 46.0 48.1 47.0	      	0.4% -0.5% 222 1507 0.6 50.4 46.4 48.6 47.3	S&P Global UK PMI Manufacturing SA Markit/CIPS UK Services PMI Markit/CIPS UK Construction PMI Monday 28 EURO AREA	November November	45.6 48.0 47.5		46.2 48.8 48.2
Consumer Confidence Indicator Thursday 24 JAPAN PMI manufacturing Leading Index GERMANY	November September	-26.0 S  			-27.6 <b>P</b> 50.7 -3.9	Durable goods orders ex transportation (MoM) Durable goods orders ex transportation (MoM) Initial Jobless Claims (k) Continuing Claims (k) New home sales (mn) S&P Global US Manufacturing PMI FOMC Minutes EURO AREA S&P Global Eurozone Manufacturing PMI S&P Global Eurozone Services PMI S&P Global Eurozone Composite PMI Friday 25 GERMANY GDP (QoQ)	October November 19 November 2 November November November November November Q3:22	0.4% 0.1% 225  0.6 49.9 46.0 48.1 47.0 <b>S</b> 0.3%	      	0.4% -0.5% 222 1507 0.6 50.4 46.4 48.6 47.3 <b>P</b> 0.3%	S&P Global UK PMI Manufacturing SA Markit/CIPS UK Services PMI Markit/CIPS UK Construction PMI Monday 28 EURO AREA	November November	45.6 48.0 47.5		46.2 48.8 48.2
Thursday 24 JAPAN PMI manufacturing Leading Index GRRMANY FO- Business Climate Indicator	November September November	-26.0 S  85.0			-27.6 P 50.7 -3.9 84.3	Durable goods orders ex transportation (MoM) Durable goods orders ex transportation (MoM) Initial Jobless Claims (k) Continuing Claims (k) New home sales (mn) S&P Global US Manufacturing PMI FOMC Minutes EURO AREA S&P Global Eurozone Manufacturing PMI S&P Global Eurozone Services PMI S&P Global Eurozone Composite PMI Friday 25 GERMANY GDP (QoQ)	October November 19 November 2 November November November November November Q3:22	0.4% 0.1% 225  0.6 49.9 46.0 48.1 47.0 <b>S</b> 0.3%	      	0.4% -0.5% 222 1507 0.6 50.4 46.4 48.6 47.3 <b>P</b> 0.3%	S&P Global UK PMI Manufacturing SA Markit/CIPS UK Services PMI Markit/CIPS UK Construction PMI Monday 28 EURO AREA	November November	45.6 48.0 47.5		46.2 48.8 48.2
Thursday 24 JAPAN PMI manufacturing Leading Index GRRMANY IFO- Business Climate Indicator IFO- Current Assesment	November September November	-26.0 <b>S</b>   85.0 93.6			-27.6 P 50.7 -3.9 84.3 94.1	Durable goods orders ex transportation (MoM) Durable goods orders ex transportation (MoM) Initial Jobless Claims (k) Continuing Claims (k) New home sales (mn) S&P Global US Manufacturing PMI FOMC Minutes EURO AREA S&P Global Eurozone Manufacturing PMI S&P Global Eurozone Services PMI S&P Global Eurozone Composite PMI Friday 25 GERMANY GDP (QoQ)	October November 19 November 2 November November November November November Q3:22	0.4% 0.1% 225  0.6 49.9 46.0 48.1 47.0 <b>S</b> 0.3%	      	0.4% -0.5% 222 1507 0.6 50.4 46.4 48.6 47.3 <b>P</b> 0.3%	S&P Global UK PMI Manufacturing SA Markit/CIPS UK Services PMI Markit/CIPS UK Construction PMI Monday 28 EURO AREA	November November	45.6 48.0 47.5		46.2 48.8 48.2
Thursday 24 Thursday 24 JAPAN PMI manufacturing Leading Index GRRMANY IFO- Business Climate Indicator	November September November	-26.0 S  85.0			-27.6 P 50.7 -3.9 84.3	Durable goods orders ex transportation (MoM) Durable goods orders ex transportation (MoM) Initial Jobless Claims (k) Continuing Claims (k) New home sales (mn) S&P Global US Manufacturing PMI FOMC Minutes EURO AREA S&P Global Eurozone Manufacturing PMI S&P Global Eurozone Services PMI S&P Global Eurozone Composite PMI Friday 25 GERMANY GDP (QoQ)	October November 19 November 2 November November November November November Q3:22	0.4% 0.1% 225  0.6 49.9 46.0 48.1 47.0 <b>S</b> 0.3%	      	0.4% -0.5% 222 1507 0.6 50.4 46.4 48.6 47.3 <b>P</b> 0.3%	S&P Global UK PMI Manufacturing SA Markit/CIPS UK Services PMI Markit/CIPS UK Construction PMI Monday 28 EURO AREA	November November	45.6 48.0 47.5		46.2 48.8 48.2
Thursday 24 JAPAN PMI manufacturing Leading Index GRRMANY IFO- Business Climate Indicator IFO- Current Assesment	November September November	-26.0 <b>S</b>   85.0 93.6			-27.6 P 50.7 -3.9 84.3 94.1	Durable goods orders ex transportation (MoM) Durable goods orders ex transportation (MoM) Initial Jobless Claims (k) Continuing Claims (k) New home sales (mn) S&P Global US Manufacturing PMI FOMC Minutes EURO AREA S&P Global Eurozone Manufacturing PMI S&P Global Eurozone Services PMI S&P Global Eurozone Composite PMI Friday 25 GERMANY GDP (QoQ)	October November 19 November 2 November November November November November Q3:22	0.4% 0.1% 225  0.6 49.9 46.0 48.1 47.0 <b>S</b> 0.3%	      	0.4% -0.5% 222 1507 0.6 50.4 46.4 48.6 47.3 <b>P</b> 0.3%	S&P Global UK PMI Manufacturing SA Markit/CIPS UK Services PMI Markit/CIPS UK Construction PMI Monday 28 EURO AREA	November November	45.6 48.0 47.5		46.2 48.8 48.2
Thursday 24 JAPAN PMI manufacturing Leading Index GERMANY IFO- Business Climate Indicator IFO- Current Assesment	November September November	-26.0 <b>S</b>   85.0 93.6			-27.6 P 50.7 -3.9 84.3 94.1	Durable goods orders ex transportation (MoM) Durable goods orders ex transportation (MoM) Initial Jobless Claims (k) Continuing Claims (k) New home sales (mn) S&P Global US Manufacturing PMI FOMC Minutes EURO AREA S&P Global Eurozone Manufacturing PMI S&P Global Eurozone Services PMI S&P Global Eurozone Composite PMI Friday 25 GERMANY GDP (QoQ)	October November 19 November 2 November November November November November Q3:22	0.4% 0.1% 225  0.6 49.9 46.0 48.1 47.0 <b>S</b> 0.3%	      	0.4% -0.5% 222 1507 0.6 50.4 46.4 48.6 47.3 <b>P</b> 0.3%	S&P Global UK PMI Manufacturing SA Markit/CIPS UK Services PMI Markit/CIPS UK Construction PMI Monday 28 EURO AREA	November November	45.6 48.0 47.5		46.2 48.8 48.2
Thursday 24 JAPAN PMI manufacturing Leading Index GERMANY IFO- Business Climate Indicator IFO- Current Assesment	November September November	-26.0 <b>S</b>   85.0 93.6			-27.6 P 50.7 -3.9 84.3 94.1	Durable goods orders ex transportation (MoM) Durable goods orders ex transportation (MoM) Initial Jobless Claims (k) Continuing Claims (k) New home sales (mn) S&P Global US Manufacturing PMI FOMC Minutes EURO AREA S&P Global Eurozone Manufacturing PMI S&P Global Eurozone Services PMI S&P Global Eurozone Composite PMI Friday 25 GERMANY GDP (QoQ)	October November 19 November 2 November November November November November Q3:22	0.4% 0.1% 225  0.6 49.9 46.0 48.1 47.0 <b>S</b> 0.3%	      	0.4% -0.5% 222 1507 0.6 50.4 46.4 48.6 47.3 <b>P</b> 0.3%	S&P Global UK PMI Manufacturing SA Markit/CIPS UK Services PMI Markit/CIPS UK Construction PMI Monday 28 EURO AREA	November November	45.6 48.0 47.5		46.2 48.8 48.2
Thursday 24 JAPAN PMI manufacturing Leading Index GERMANY IFO- Business Climate Indicator IFO- Current Assesment	November September November	-26.0 <b>S</b>   85.0 93.6			-27.6 P 50.7 -3.9 84.3 94.1	Durable goods orders ex transportation (MoM) Durable goods orders ex transportation (MoM) Initial Jobless Claims (k) Continuing Claims (k) New home sales (mn) S&P Global US Manufacturing PMI FOMC Minutes EURO AREA S&P Global Eurozone Manufacturing PMI S&P Global Eurozone Services PMI S&P Global Eurozone Composite PMI Friday 25 GERMANY GDP (QoQ)	October November 19 November 2 November November November November November Q3:22	0.4% 0.1% 225  0.6 49.9 46.0 48.1 47.0 <b>S</b> 0.3%	      	0.4% -0.5% 222 1507 0.6 50.4 46.4 48.6 47.3 <b>P</b> 0.3%	S&P Global UK PMI Manufacturing SA Markit/CIPS UK Services PMI Markit/CIPS UK Construction PMI Monday 28 EURO AREA	November November	45.6 48.0 47.5		46.2 48.8 48.2
Thursday 24 JAPAN PMI manufacturing Leading Index GRRMANY IFO- Business Climate Indicator IFO- Current Assesment	November September November	-26.0 <b>S</b>   85.0 93.6			-27.6 P 50.7 -3.9 84.3 94.1	Durable goods orders ex transportation (MoM) Durable goods orders ex transportation (MoM) Initial Jobless Claims (k) Continuing Claims (k) New home sales (mn) S&P Global US Manufacturing PMI FOMC Minutes EURO AREA S&P Global Eurozone Manufacturing PMI S&P Global Eurozone Services PMI S&P Global Eurozone Composite PMI Friday 25 GERMANY GDP (QoQ)	October November 19 November 2 November November November November November Q3:22	0.4% 0.1% 225  0.6 49.9 46.0 48.1 47.0 <b>S</b> 0.3%	      	0.4% -0.5% 222 1507 0.6 50.4 46.4 48.6 47.3 <b>P</b> 0.3%	S&P Global UK PMI Manufacturing SA Markit/CIPS UK Services PMI Markit/CIPS UK Construction PMI Monday 28 EURO AREA	November November	45.6 48.0 47.5		46.2 48.8 48.2
Thursday 24 JAPAN PMI manufacturing Leading Index GRRMANY IFO- Business Climate Indicator IFO- Current Assesment	November September November	-26.0 <b>S</b>   85.0 93.6			-27.6 P 50.7 -3.9 84.3 94.1	Durable goods orders ex transportation (MoM) Durable goods orders ex transportation (MoM) Initial Jobless Claims (k) Continuing Claims (k) New home sales (mn) S&P Global US Manufacturing PMI FOMC Minutes EURO AREA S&P Global Eurozone Manufacturing PMI S&P Global Eurozone Services PMI S&P Global Eurozone Composite PMI Friday 25 GERMANY GDP (QoQ)	October November 19 November 2 November November November November November Q3:22	0.4% 0.1% 225  0.6 49.9 46.0 48.1 47.0 <b>S</b> 0.3%	      	0.4% -0.5% 222 1507 0.6 50.4 46.4 48.6 47.3 <b>P</b> 0.3%	S&P Global UK PMI Manufacturing SA Markit/CIPS UK Services PMI Markit/CIPS UK Construction PMI Monday 28 EURO AREA	November November	45.6 48.0 47.5		46.2 48.8 48.2
Thursday 24 JAPAN PMI manufacturing Leading Index GERWANY IFO- Business Climate Indicator IFO- Current Assesment	November September November	-26.0 <b>S</b>   85.0 93.6			-27.6 P 50.7 -3.9 84.3 94.1	Durable goods orders ex transportation (MoM) Durable goods orders ex transportation (MoM) Initial Jobless Claims (k) Continuing Claims (k) New home sales (mn) S&P Global US Manufacturing PMI FOMC Minutes EURO AREA S&P Global Eurozone Manufacturing PMI S&P Global Eurozone Services PMI S&P Global Eurozone Composite PMI Friday 25 GERMANY GDP (QoQ)	October November 19 November 2 November November November November November Q3:22	0.4% 0.1% 225  0.6 49.9 46.0 48.1 47.0 <b>S</b> 0.3%	      	0.4% -0.5% 222 1507 0.6 50.4 46.4 48.6 47.3 <b>P</b> 0.3%	S&P Global UK PMI Manufacturing SA Markit/CIPS UK Services PMI Markit/CIPS UK Construction PMI Monday 28 EURO AREA	November November	45.6 48.0 47.5		46.2 48.8 48.2
Thursday 24 JAPAN PMI manufacturing Leading Index GERWANY IFO- Business Climate Indicator IFO- Current Assesment	November September November	-26.0 <b>S</b>   85.0 93.6			-27.6 P 50.7 -3.9 84.3 94.1	Durable goods orders ex transportation (MoM) Durable goods orders ex transportation (MoM) Initial Jobless Claims (k) Continuing Claims (k) New home sales (mn) S&P Global US Manufacturing PMI FOMC Minutes EURO AREA S&P Global Eurozone Manufacturing PMI S&P Global Eurozone Services PMI S&P Global Eurozone Composite PMI Friday 25 GERMANY GDP (QoQ)	October November 19 November 2 November November November November November Q3:22	0.4% 0.1% 225  0.6 49.9 46.0 48.1 47.0 <b>S</b> 0.3%	      	0.4% -0.5% 222 1507 0.6 50.4 46.4 48.6 47.3 <b>P</b> 0.3%	S&P Global UK PMI Manufacturing SA Markit/CIPS UK Services PMI Markit/CIPS UK Construction PMI Monday 28 EURO AREA	November November	45.6 48.0 47.5		46.2 48.8 48.2
Thursday 24 JAPAN PMI manufacturing Leading Index GERWANY IFO- Business Climate Indicator IFO- Current Assesment	November September November	-26.0 <b>S</b>   85.0 93.6			-27.6 P 50.7 -3.9 84.3 94.1	Durable goods orders ex transportation (MoM) Durable goods orders ex transportation (MoM) Initial Jobless Claims (k) Continuing Claims (k) New home sales (mn) S&P Global US Manufacturing PMI FOMC Minutes EURO AREA S&P Global Eurozone Manufacturing PMI S&P Global Eurozone Services PMI S&P Global Eurozone Composite PMI Friday 25 GERMANY GDP (QoQ)	October November 19 November 2 November November November November November Q3:22	0.4% 0.1% 225  0.6 49.9 46.0 48.1 47.0 <b>S</b> 0.3%	      	0.4% -0.5% 222 1507 0.6 50.4 46.4 48.6 47.3 <b>P</b> 0.3%	S&P Global UK PMI Manufacturing SA Markit/CIPS UK Services PMI Markit/CIPS UK Construction PMI Monday 28 EURO AREA	November November	45.6 48.0 47.5		46.2 48.8 48.2
Thursday 24 Thursday 24 TAPAN PMI manufacturing eading Index GERMANY FO- Business Climate Indicator FO- Current Assesment	November September November	-26.0 <b>S</b>   85.0 93.6			-27.6 P 50.7 -3.9 84.3 94.1	Durable goods orders ex transportation (MoM) Durable goods orders ex transportation (MoM) Initial Jobless Claims (k) Continuing Claims (k) New home sales (mn) S&P Global US Manufacturing PMI FOMC Minutes EURO AREA S&P Global Eurozone Manufacturing PMI S&P Global Eurozone Services PMI S&P Global Eurozone Composite PMI Friday 25 GERMANY GDP (QoQ)	October November 19 November 2 November November November November November Q3:22	0.4% 0.1% 225  0.6 49.9 46.0 48.1 47.0 <b>S</b> 0.3%	      	0.4% -0.5% 222 1507 0.6 50.4 46.4 48.6 47.3 <b>P</b> 0.3%	S&P Global UK PMI Manufacturing SA Markit/CIPS UK Services PMI Markit/CIPS UK Construction PMI Monday 28 EURO AREA	November November	45.6 48.0 47.5		46.2 48.8 48.2
Thursday 24 Thursday 24 TAPAN 2MI manufacturing eading Index SERMANY FO- Business Climate Indicator FO- Current Assesment	November September November	-26.0 <b>S</b>   85.0 93.6			-27.6 P 50.7 -3.9 84.3 94.1	Durable goods orders ex transportation (MoM) Durable goods orders ex transportation (MoM) Initial Jobless Claims (k) Continuing Claims (k) New home sales (mn) S&P Global US Manufacturing PMI FOMC Minutes EURO AREA S&P Global Eurozone Manufacturing PMI S&P Global Eurozone Services PMI S&P Global Eurozone Composite PMI Friday 25 GERMANY GDP (QoQ)	October November 19 November 2 November November November November November Q3:22	0.4% 0.1% 225  0.6 49.9 46.0 48.1 47.0 <b>S</b> 0.3%	      	0.4% -0.5% 222 1507 0.6 50.4 46.4 48.6 47.3 <b>P</b> 0.3%	S&P Global UK PMI Manufacturing SA Markit/CIPS UK Services PMI Markit/CIPS UK Construction PMI Monday 28 EURO AREA	November November	45.6 48.0 47.5		46.2 48.8 48.2

S: Consensus Analysts Survey, A: Actual Outcome, P: Previous Outcome

# Equity Markets (in local currency)

Developed M	arkets	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	3965	-0.7	-16.8	-15.7	11.1	MSCI Emerging Markets	57408	1.1	-18.1	-20.5	-15.3
Japan	NIKKEI 225	27900	-1.3	-3.1	-5.7	8.4	MSCI Asia	866	1.9	-19.0	-21.9	-18.5
UK	FTSE 100	7386	0.9	0.0	1.8	15.7	China	59	4.1	-28.8	-35.2	-43.7
Canada	S&P/TSX	19981	-0.6	-5.9	-7.7	18.3	Korea	736	-2.0	-19.2	-17.2	-7.9
Hong Kong	Hang Seng	17993	3.8	-23.1	-28.9	-32.2	MSCI Latin America	91414	-2.4	-1.0	1.1	0.4
Euro area	EuroStoxx	422	0.8	-12.0	-13.3	8.9	Brazil	300144	-2.7	-2.1	-0.8	-10.0
Germany	DAX 40	14432	1.5	-9.1	-11.0	9.3	Mexico	48346	-1.1	-3.1	2.8	23.3
France	CAC 40	6644	0.8	-7.1	-7.0	20.6	MSCI Europe	2620	0.1	-62.2	-64.1	-53.0
Italy	FTSE/MIB	24675	0.9	-9.8	-10.8	14.1	Russia	2206	-0.5	-41.7	-46.1	-28.4
Spain	IBEX-35	8128	0.4	-6.7	-8.7	1.8	Turkey	4468162	0.5	115.0	125.4	191.8

#### 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	254.6	-1.8	45.9	43.8	111.1	Energy	269.0	-1.8	51.9	49.5	119.5
Materials	310.9	-1.1	-13.7	-11.1	5.2	Materials	312.3	-1.0	-8.4	-5.8	12.8
Industrials	301.1	-0.2	-14.1	-14.4	1.8	Industrials	315.2	-0.1	-9.1	-9.4	10.1
Consumer Discretionary	309.3	-2.5	-29.9	-32.8	-11.3	Consumer Discretionary	310.4	-2.4	-27.4	-30.3	-6.4
Consumer Staples	268.4	1.7	-8.5	-4.5	3.0	Consumer Staples	278.2	1.6	-4.5	-0.5	8.6
Healthcare	339.3	0.7	-8.2	-4.9	12.9	Healthcare	342.8	0.7	-5.6	-2.4	17.3
Financials	131.8	-0.8	-11.8	-12.6	17.3	Financials	136.7	-0.8	-8.0	-8.9	23.1
IT	418.4	-1.0	-26.9	-26.7	2.9	IT	411.2	-0.9	-25.9	-25.6	5.1
Telecoms	69.1	-0.5	-35.3	-37.6	-22.2	Telecoms	73.9	-0.5	-33.8	-36.1	-19.7
Utilities	149.0	1.1	-9.3	-3.8	-2.2	Utilities	157.1	1.0	-6.2	-0.6	2.2

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	3.81	3.82	1.51	1.59	2.13	US Treasuries 10Y/2Y	-74	-61	78	105	99
Germany	2.01	2.15	-0.18	-0.27	0.45	US Treasuries 10Y/5Y	-18	-13	25	36	50
Japan	0.24	0.23	0.07	0.07	0.20	Bunds 10Y/2Y	-6	-4	46	48	80
UK	3.23	3.35	0.97	0.92	1.47	Bunds 10Y/5Y	4	6	28	30	54
Greece	4.25	4.48	1.32	1.19	5.50						
Ireland	2.46	2.66	0.25	0.18	1.35	Corporate Bond Spreads (in	Current	Lastinali	Veen Chent	One Year	10-year
Italy	3.90	4.19	1.17	0.94	2.20	bps)	Current	Last week	Year Start	Back	average
Spain	3.00	3.19	0.57	0.45	1.73	EM Inv. Grade (IG)	194	228	139	143	191
Portugal	2.92	3.11	0.46	0.35	2.47	EM High yield	742	789	618	681	624
						US IG	145	158	98	94	133
US Mortgage Market (1. Fixed-rate Mortgage)	Current	Last week	Year Start	One Year Back	10-year average	US High yield	465	481	310	319	449
<b>30-Year FRM</b> <sup>1</sup> (%)	6.90	7.00	3.31	3.20	4.13	Euro area IG	187	192	98	99	119
vs 30Yr Treasury (bps)	290.7	288.2	138.9	120.4	137.7	Euro area High Yield	524	511	331	331	406

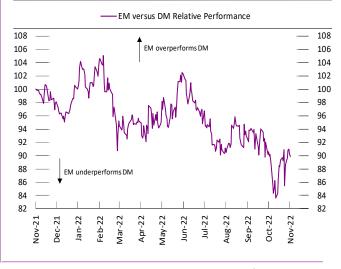
# Foreign Exchange & Commodities

Foreign Exchange	Current	1-week change (%)	1-month change (%)	1-Year change (%)	Year-to-Date change (%)	Commodifies		1-week change (%)	1-month change (%)	1-Year change (%)	Year-to-Date change (%)
Euro-based cross rates											
EUR/USD	1.04	0.3	5.8	-8.7	-8.9	Agricultural	465	-0.7	-0.2	3.7	4.5
EUR/CHF	0.99	0.9	0.2	-6.3	-4.9	Energy	299	-6.3	-3.5	12.6	18.3
EUR/GBP	0.87	-0.9	-0.1	3.2	3.5	West Texas Oil (\$/bbl)	80	-10.0	-6.4	1.4	6.5
EUR/JPY	144.94	0.9	-1.1	11.8	10.7	Crude brent Oil (\$/bbl)	88	-8.7	-5.2	7.9	12.7
EUR/NOK	10.54	2.9	1.5	5.1	5.1	HH Natural Gas (\$/mmbtu)	6.3	31.3	12.0	27.3	65.0
EUR/SEK	10.98	2.4	0.3	8.8	6.6	TTF Natural Gas (EUR/mwh)	116	18.0	2.7	21.4	64.2
EUR/AUD	1.55	0.5	-0.5	-1.0	-1.0	Industrial Metals	439	-3.3	10.0	-7.4	-12.1
EUR/CAD	1.39	1.3	2.8	-3.3	-3.4	Precious Metals	2300	-1.0	8.9	-6.1	-3.9
USD-based cross rates						Gold (\$)	1750	-1.2	7.4	-5.9	-3.9
USD/CAD	1.34	0.9	-2.8	5.9	6.0	Silver (\$)	21	-3.6	13.3	-15.6	-9.7
USD/AUD	1.49	0.1	-6.0	8.5	8.7	Baltic Dry Index	1189	-12.3	-36.5	-51.5	-46.4
USD/JPY	139.89	0.6	-6.6	22.4	21.5	Baltic Dirty Tanker Index	2365	24.9	38.3	200.1	200.9

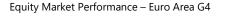
Source: NBG Research, Data as of November 18<sup>th</sup>, S&P/Goldman Sachs Indices for Agricultural, Energy, Industrial & Precious Metals, BofA/ML Indices for Corporate Bond Spreads

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

#### EM vs DM Performance in \$

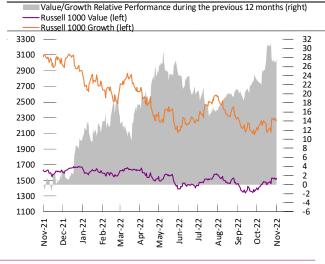


Data as of November 18th - Rebased @ 100

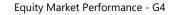




Russell 1000 Value & Growth Index



Data as of November 18th





Data as of November 18th - Rebased @ 100

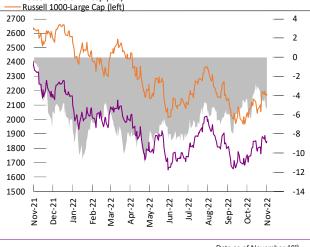
Equity Market Performance - Emerging Markets



Data as of November 18th – Rebased @ 100

# Russell 2000 & Russell 1000 Index

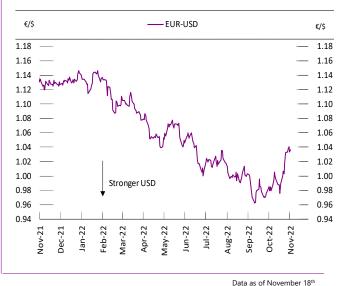
Small Cap/Large Cap Relative Performance during the previous 12 months (right) Russell 2000-Small cap (left)



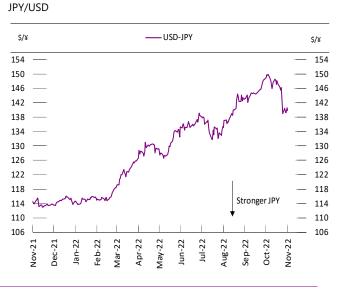
Data as of November 18th



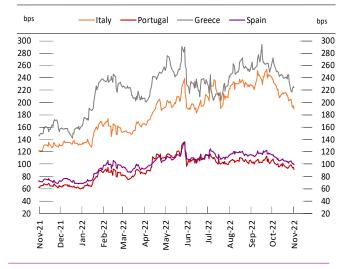






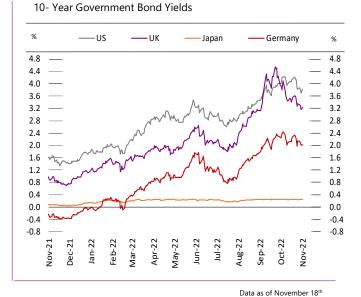


# 10- Year Government Bond Spreads

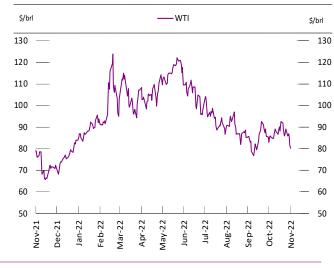


Data as of November 18<sup>th</sup>

Data as of November 18th

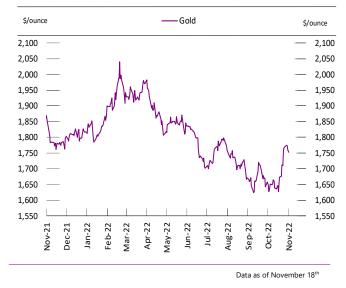


West Texas Intermediate (\$/brl)



Data as of November 18<sup>th</sup>

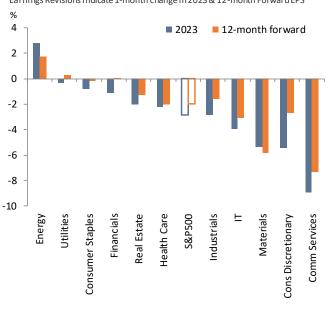




# **US Sectors Valuation**

		Price (\$)		EPS Gro	wth (%)	Dividend	Yield (%)		P/	'E Ratio		P/BV Ratio			
	18/11/22	% Weekly Change	%YTD	2022	2023	2022	2023	2022	2023	12m fwd	10Yr Avg	2022	2023	Current	10Yr Avg
S&P500	3965	-0.7	-16.8	5.9	5.7	1.6	1.7	18.2	17.2	17.3	17.3	3.9	3.6	3.6	3.0
Energy	699	-2.4	65.4	158.6	-13.0	3.0	3.1	8.7	10.0	9.9	19.5	2.5	2.3	2.3	1.7
Materials	503	-1.6	-11.8	5.3	-9.1	2.1	2.1	14.8	16.3	16.1	16.2	2.9	2.7	2.7	2.7
Financials															
<b>Diversified Financials</b>	982	-1.9	-10.3	-13.5	8.9	1.6	1.7	16.4	15.1	15.3	15.0	2.0	1.9	1.9	1.6
Banks	347	-2.4	-17.1	-17.2	15.3	3.0	3.2	10.8	9.3	9.5	11.5	1.2	1.1	1.1	1.1
Insurance	592	1.0	7.6	-13.2	28.8	1.9	2.0	17.0	13.2		11.9	2.2	2.0	2.0	1.3
Real Estate	238	-1.8	-26.6	10.6	3.0	3.7	3.6	17.2	16.7	16.8	18.7	2.7	2.9	2.9	3.3
Industrials															
Capital Goods	873	0.1	-2.0	12.9	17.5	1.7	1.8	22.1	18.8	19.2	17.4	5.0	4.6	4.6	4.0
Transportation	934	-1.8	-17.2	125.6	8.3	1.9	2.1	15.7	14.5	N/A	14.0	5.3	4.5	4.6	4.2
Commercial Services	500	0.9	-8.0	9.7	6.6	1.1	1.2	29.3	27.5	27.7	23.7	6.2	5.7	5.7	4.3
Consumer Discretionary															
Retailing	2914	-2.9	-31.1	-39.8	48.5	0.9	0.9	38.8	26.2	27.6	27.7	10.4	8.6	8.8	9.3
Consumer Services	1313	-0.5	-13.1	N/A	166.7	1.2	1.3	63.4	23.8	N/A	35.9	151.9	93.4	N/A	12.7
Consumer Durables	346	-2.2	-35.2	2.6	-14.9	1.9	2.0	11.9	13.9	13.7	17.0	2.9	2.6	2.7	3.4
Automobiles and parts	108	-6.9	-45.7	30.1	10.8	0.3	0.4	21.8	19.6	N/A	16.2	4.3	3.7	3.7	2.9
IT															
Technology	2859	1.3	-16.2	5.9	3.5	0.9	0.9	22.0	21.2	21.3	15.8	16.2	14.4	14.6	7.1
Software & Services	2895	-1.7	-25.6	10.1	10.9	1.0	1.1	24.9	22.4	22.7	21.8	7.9	6.7	6.8	6.4
Semiconductors	1757	-2.4	-33.2	-4.0	-5.6	1.6	1.7	17.5	18.5	18.4	15.6	4.6	4.3	4.4	3.9
Communication Services	166	-0.1	-37.8	-16.4	10.9	1.0	1.0	16.4	14.8	15.0	19.0	2.7	2.5	2.5	3.2
Media	636	-0.2	-41.3	-17.0	11.2	0.3	0.4	18.5	16.6	16.8	22.4	3.1	2.8	2.9	3.7
Consumer Staples															
Food & Staples Retailing	682	2.7	-2.7	1.8	6.2	1.5	1.5	23.9	22.5	22.6	18.6	5.3	5.0	5.0	3.7
Food Beverage & Tobacco	847	1.2	3.7	4.5	2.9	3.1	3.2	19.7	19.1	19.2	18.6	5.4	5.1	5.2	5.0
Household Goods	821	1.7	-16.0	-3.4	4.7	2.4	2.6	25.8	24.6	24.8	21.7	9.9	9.7	9.7	7.0
Health Care															
Pharmaceuticals	1284	1.5	-1.2	4.5	-8.0	1.9	2.0	15.3	16.6	16.4	15.4	5.6	5.0	5.0	4.4
Healthcare Equipment	1815	0.2	-9.3	3.4	5.4	1.2	1.3	19.4	18.4	18.5	17.1	4.0	3.6	3.6	3.0
Utilities	348	0.8	-4.3	2.2	6.8	3.0	3.2	19.4	18.2	18.3	17.1	2.1	2.0	2.0	1.8

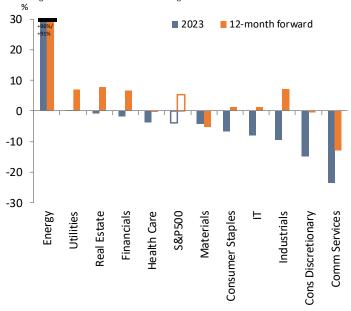
Blue box indicates a value more than +2standard devation from average, light blue a value more than +1standard devation from average. Orange box indicates a value less than -2standard devation from average, light orange a value less than -1standard devation from average from average avalue less than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



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 November 18<sup>th</sup>

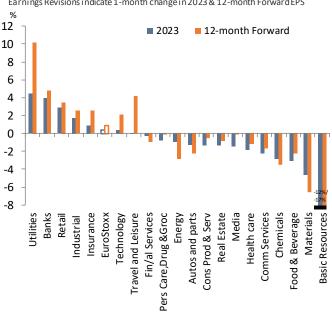
12-month forward EPS are 11% of 2022 EPS and 89% of 2023 EPS

12-month forward EPS are 11% of 2022 EPS and 89% of 2023 EPS National Bank of Greece | Economic Research Division | Global Markets Analysis

# **Euro Area Sectors Valuation**

		Price (€)		EPS Gro	wth (%)	Dividend	Yield (%)		P/	E Ratio		P/BV Ratio				
	18/11/22	% Weekly Chan	ge %YTD	2022	2023	2022	2023	2022	2023	12m fwd	10Yr Avg	2022	2023	Current	10Yr Avg	
EuroStoxx	422	0.8	-12.0	16.5	3.4	3.3	3.4	12.9	12.5	12.5	14.7	1.6	1.5	1.5	1.5	
Energy	342	0.3	18.5	133.0	-17.2	5.4	4.7	5.1	6.2	6.1	12.9	1.2	1.1	1.1	1.2	
Materials	969	-0.4	-7.1	10.7	-27.4	3.0	3.0	11.0	15.2	14.7	15.7	1.7	1.6	1.6	1.7	
Basic Resources	227	-1.2	-8.6	-5.1	-51.7	3.0	3.1	4.4	9.1	8.5	9.8	0.7	0.6	0.6	0.8	
Chemicals	1413	-0.3	-6.9	20.8	-15.9	3.0	2.9	14.1	16.8	16.5	16.8	2.2	2.1	2.1	2.2	
Financials																
Banks	94	2.7	-6.8	14.1	2.9	6.6	6.9	7.0	6.8	6.9	9.9	0.6	0.6	0.6	0.7	
Insurance	309	1.8	1.0	-9.4	28.5	5.4	5.8	11.3	8.8	9.1	9.7	1.3	1.2	1.2	0.9	
Financial Services	515	2.1	-11.0	38.2	-10.0	2.9	3.1	11.1	12.4	12.2	16.1	1.3	1.2	1.2	1.3	
Real Estate	139	-3.7	-37.8	6.0	2.2	6.2	6.8	10.8	10.5	10.6	17.0	0.6	0.6	0.6	1.0	
Industrials																
Industrial Goods & Services	1001	1.2	-14.5	18.8	13.1	2.3	2.6	18.2	16.1	16.4	17.4	2.5	2.3	2.3	2.6	
Construction & Materials	470	-1.4	-13.4	-4.8	1.0	3.8	4.0	11.9	11.8	11.8	14.8	1.5	1.4	1.4	1.5	
Consumer Discretionary																
Retail	490	-2.4	-29.3	-2.1	7.4	4.4	4.7	20.0	18.7	18.8	26.0	3.9	3.8	3.8	5.6	
Automobiles and parts	528	-1.5	-16.2	18.8	-15.6	6.2	5.6	4.8	5.7	5.6	8.0	0.8	0.7	0.7	1.0	
Travel and Leisure	187	-0.4	-3.3	N/A	40.9	1.1	1.3	24.1	17.1	N/A	N/A	2.2	2.0	2.0	2.2	
<b>Consumer Products &amp; Services</b>	441	-0.7	-16.3	7.4	14.1	1.6	1.7	28.7	25.2	25.6	24.9	6.0	5.3	5.4	4.2	
Media	260	-0.9	-9.0	19.2	16.6	2.5	2.7	20.5	17.6	18.0	18.5	2.8	2.6	2.6	2.2	
Technology	779	1.9	-20.7	-0.4	21.4	1.1	1.2	25.7	21.2	21.7	21.9	3.6	3.3	3.3	3.7	
Consumer Staples																
Food, Beverage & Tobacco	167	0.1	-13.1	13.7	9.6	1.9	2.1	19.0	17.4	17.6	20.1	2.1	1.9	1.9	2.6	
Personal Care, Drug & Grocery	171	0.0	-15.0	2.2	7.0	2.6	2.7	15.8	14.7	14.8	17.6	2.3	2.1	2.2	2.3	
Health care	785	1.6	-15.9	7.7	5.6	2.4	2.5	15.6	14.7	14.8	16.7	2.0	1.9	1.9	2.3	
Communication Services	274	0.1	-5.0	20.7	8.1	4.1	4.4	14.9	13.8	13.9	15.4	1.4	1.4	1.4	1.7	
Utilities	354	2.8	-10.1	-44.8	92.0	4.4	4.7	24.1	12.5	13.9	14.1	1.6	1.6		1.3	

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



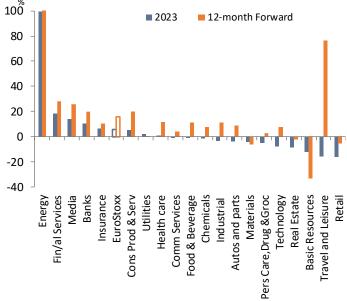
1-month revisions to 2023 & 12-month Forward EPS Earnings Revisions indicate 1-month change in 2023 & 12-month Forward EPS

#### Data as of November 18<sup>th</sup>

12-month forward EPS are 11% of 2022 EPS and 89% of 2023 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 November 18th

12-month forward EPS are 11% of 2022 EPS and 89% of 2023 EPS

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