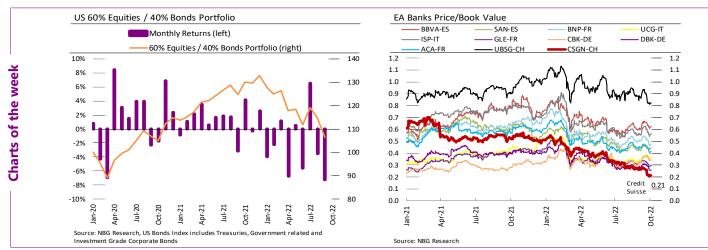
# **Global Markets Roundup**



National Bank of Greece | Economic Research Division | October 4, 2022

Controversial fiscal policies (United Kingdom) and banking sector woes injected further volatility into global markets

- The S&P500 index lost -2.9% in the past week (-25% YtD), with all sectors, excluding the Energy sub-index, ending in negative territory. The likelihood of oil production cut by the OPEC+ has increased, in order to support oil prices. Third-quarter earnings season will begin during the second half of October, with consensus expectations of +3% year-over-year EPS growth, though -3% excluding the contribution of energy companies (+115%).
- The Eurostoxx index declined by -1% wow (-24% YtD), with euro area banks underperforming by a wide margin. The SX7E lost -5.5%, following press reports that Credit Suisse is looking to raise capital in order to support its plan to split the investment bank arm into three units. Banks' valuations have fallen significantly year-to-date, with PBV ranging from 0.2x to 0.6x (see graph below), while Credit Suisse's credit default swaps widened significantly to 462 basis points, from 123 basis points on September 23<sup>rd</sup>.
- The FTSE100 index decreased by -1.8% wow (-7% YtD), as the UK Government's Growth Plan, which includes broad-based, unfunded, reductions and cancellations of planned increases in taxes and social contributions, initially triggered a sharp sell-off in Gilts and the pound. UK domestic-focused stocks underperformed, with the FTSE250 index declining by -4.5% wow (-27% YtD). Estimates from UK's HM Treasury place the overall cost at £161bn or 6.6% of UK GDP over the next 5 years. The S&P ratings agency cut the outlook for its AA credit rating for UK sovereign debt to negative, from stable due to Government's unfunded tax cut plans.
- In order to restore orderly market functioning, the Bank of England launched an emergency intervention, announcing that will purchase long-dated UK government bonds from September 28<sup>th</sup> to October 14<sup>th</sup>, on whatever scale is necessary. Government bond interest rates retreated following the temporary BoE support, though Gilt/UST and Gilt/Bund long-term rate differentials remain wider compared with one month ago by circa 60 and 70 basis points, respectively.
- The Bank of England has postponed the beginning of Gilt sale operations that were due to commence next week. The BoE holds circa £840B of domestic government bonds or 34% of UK GDP (BOJ: 97% of GDP, ECB: 33%, FED: 23%). The latest developments emphasize that the process of balance sheet unwinding could entail significant volatility regarding the transmission to medium and longer-term interest rates.
- Economic data reinforced expectations for aggressive monetary tightening. Euro area inflation climbed to 10% year-over-year in September, an all-time high, from 9.1% in August. Aggressive interest rate hikes may cause some pain to the economy, as Fed Chair Powell highlighted in the latest FOMC meeting. Based on OECD's interim projections, real GDP growth is expected to slow sharply in 2023 (US: +0.5% from +1.3% in 2022, euro area: +0.3% from +3.1%), whereas the distribution of growth risks is to the downside.
- After a turbulent week, risk and safe-haven assets kicked off Monday with gains. On Monday, the UK Government made a U-turn on its plan to abolish the additional rate of income tax for the highest earners. The specific item represents only circa £3B of the Growth Plan policy decisions.



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# US housing market cooling down continues

- The latest data on residential construction were mixed, with the view for a continuing slowdown in the housing market remaining in place overall. In the event, housing starts rose by 12.2% mom in August (-0.1% yoy), to 1575k (annualized rate), above expectations for 1445k. On the other hand, building permits decreased by 8.5% mom (-13.0% yoy) in August to 1542k (annualized rate), a 2-year low and below consensus estimates for 1610k. Note that long standing supply chain issues have contributed to an accrual of homes remaining in the phase of construction, at 1.70mn (annualized rate) in August 2022, a record (since 1970) high. That development, alongside a cloudy outlook for demand, is likely a restraining factor for the commencement of new housing projects.
- Regarding demand, existing home sales fell by 0.4% mom in August (-19.9% yoy), to 4.80mn (on an annualized basis), the lowest since November 2015 excluding particularly depressed readings at the onset of the pandemic (albeit above consensus estimates for 4.70mn). The latest reading is compared with a peak of 6.49mn in January 2022 and a long term (since 1990) average of 4.95mn. In a contrarian note, new home sales increased by 28.8% mom in August (-0.2% yoy), to 685k (average of 701k since 1990 | consensus: 500k). It should also be noted though that new home sales often exhibit large volatility from month to month, thus caution is warranted in putting too much weigh on the latest rise as indicative of the underlying trend. In the event, the National Association of Home Builders (NAHB) survey index - that captures homebuilders' confidence for new home sales - fell significantly for a 9th consecutive month, by 3 pts to 46, the lowest since May 2014 excluding particularly depressed readings at the onset of the pandemic (a reading below 50 indicates a negative stance).
- On valuations, the median existing home sales price eased for a 2<sup>nd</sup> consecutive month in August, -2.4% mom (+7.7% yoy) from -3.5% in July (+9.5% yoy), albeit still nominal levels exceed by 46% the respective ones in January 2020. Recall also that in July, the S&P CoreLogic Case-Shiller 20-City home price index had fallen by 0.4% mom, with the annual pace of growth partially easing to +16.1% from +18.7% in June (still c. +45% compared with January 2020). Notably, construction costs, the surge of which (due to the international supply chain crunch regarding building materials, combined with the sharply higher international commodity prices) was a major factor for the increase in prices in the past 2½ years, have posted some stabilization recently. In the event, prices paid for goods used in residential construction, have fallen by 2.4% cumulatively in August and July, albeit still at +46% versus a trough in April 2020.
- Finally, higher mortgage interest rates, due to monetary policy tightening, have also been an important factor for the housing market, via limiting the capacity of households to finance new home purchases. In the event, according to data from Freddie Mac, the 30-year fixed mortgage rate stood at 6.70% for the week ending on September 29<sup>th</sup>, compared with a trough of 2.77% in early-August 2021 (4.0% on average since 2010). In that context, mortgage applications have posted a substantial easing, according to the Mortgage Bankers Association (-58.8% for the week ending September 23<sup>rd</sup>, compared with late-January 2022).

### Euro area inflation surprised to the upside anew

According to the "flash" estimate, the annual growth of CPI reached a new record (since 1997) high in September, at 10.0% from 9.1% in August. Recall that a substantial acceleration was expected, inter alia due to temporary government measures in Germany (intervention to lower the cost of public transportation and a reduction of taxes in fuels), coming to an end as of September 1st (the German CPI stood at 10.9% yoy from 8.8% yoy in August). Energy prices rose by 3.0% mom and as a result, the annual growth accelerated to 40.8% from 38.6% in August (both the monthly and the annual paces of growth are reported on a not-seasonally adjusted basis), contributing circa 4.2 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 (+1.0% mom | +1.1% mom on average so far in 2022 versus an average of +0.2% mom since 1998), leading the annual growth to 11.8%, also the highest on record, from 10.6% previously (2.5 pps contribution to headline).

Core inflation, which excludes the effects of energy and food components, was strong in September, up by 1.0% mom, mostly due to the non-energy industrial goods component. The latter increased by 2.8% mom, above norm (a relatively strong +2.3% mom is recorded on average in September of each year since 2001 in the aftermath of summer sales). Services prices fell by 0.1% mom, albeit also being an above-norm reading (-0.7% mom on average in September of each year since 2001). In all, the annual growth of core CPI accelerated sharply, by 0.5 pps to 4.8% in September.

### Euro area bank lending remained strong in August

The annual pace of growth of overall private sector borrowing from commercial banks, accelerated by 0.4 pps in July, to +6.7% yoy, the highest since December 2008. Regarding the two major private sector components, they performed as follows: Loan growth to households (adjusted for sales and securitizations) was broadly stable at +4.5% yoy (lending for house purchases: +5.2% yoy in non-adjusted for sales and securitizations terms | +3.4% yoy for consumer credit). At the same time, the annual growth of loans to non-financial corporations (NFCs) accelerated sharply, by 1.1 pps to +8.7%, the highest since January 2009 and with a robust net monthly flow (+€67.2 bn, versus an average of +€12.9 bn since 2003). Recall that country-wise, the annual growth rate of loans to non-financial corporations stood at +12.7% in Germany, +8.7% in France, +5.3% in Italy and +4.2% in Spain.

# China's PMIs suggest that the subdued momentum for business activity continues

• PMIs posted mixed changes in September, hovering close to the expansion/contraction threshold of 50.0. In the event, the Caixin manufacturing PMI was down by 1.4 pts to 48.1 (consensus: 49.5). At the same time, the "official" manufacturing PMI, i.e. the one from the National Bureau of Statistics (NBS) of China, rose by 0.7 pts to 50.1 (consensus: 49.6). The official nonmanufacturing PMI fell by 2.0 to 50.6, with the services sub-index shedding 3.0 pts to 48.9 (below 45 for PMIs in contact intensive segments such as retail sales, catering and air transport services). On the other hand, the construction sub-index rose by 3.7 pts to 60.2, with the NBS noting strong infrastructure building on the back of policy support.



# **Equities**

 The standard 60% equity / 40% bond portfolio return was -7% month-overmonth in September, recording its biggest monthly drop since March 2020 (see graph page 1). Spiking interest rates, growing recession concerns, controversial fiscal policies and single-name woes are expected to dominate Q4, albeit with valuations having retreated significantly.

**Equity markets declined further in the past week as risk appetite remained weak.** Overall, the MSCI ACWI ended the week down by 2.6% (-27% ytd), with Emerging markets (-3.3% wow | -29% ytd) underperforming their Developed Markets peers (-2.5% wow | -26% ytd). The S&P500 declined by 2.9% wow (-25% ytd), posting its 6<sup>th</sup> week with losses out of the past 7, falling back to November 2020 levels (3586). Notably, the index recorded in September its largest monthly decrease since March 2020 (-9.3% mom). Nevertheless, it entered the current week on a positive note, with a relief rally on Monday (+2.6%). Regarding sectors, Consumer Durables & Apparel led the decline (-9.6% wow), with Nike shedding 14.3% wow, as higher inventory (up by +44% yoy worldwide | +65% yoy in North America) weighed on earnings.

On the other side of the Atlantic, the Eurostoxx fell by 0.9% (-23% ytd), with Banks underperforming significantly (-5.5% wow), due to, *inter alia*, concerns related to Credit Suisse. The company's shares declined by 2.3% wow and by as much as -12% on Monday (-60% ytd), reaching a new record-low, before regaining most part of the losses later in the day closing at -0.9%.

# **Fixed Income**

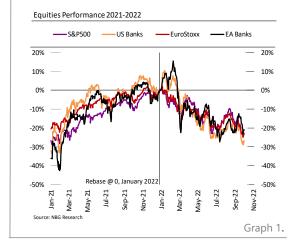
• Government bond yields rose in the past week, albeit reversing course in the start of the current week as peak rate hike expectations recede. Specifically, the US Treasury 10-year yield ended the week up by 11 bps to 3.80% while it declined by 15 bps on Monday to 2.65%. At the same time, the 2-year yield declined by 2 bps wow and by further 9 bps on Monday to 4.20%. In the United Kingdom, the yield of the 10-year Gilt ended the week up by 37 bps wow to 4.14%, exhibiting though increased volatility having reached 4.50% intraweek, with the upward trend reversing following the Bank of England's announcement that will purchase long-dated UK government bonds (see Graph 3). The yield declined by 18 bps on Monday to 3.96%. In Germany, the 10-Year yield rose by 13 bps wow to 2.13%, albeit declining by 20 bps on Monday. Periphery government bond yields (Italy, Spain) followed a similar path.

**Corporate bond spreads widened in the High Yield (HY) spectrum, in account of weak risk appetite.** In the event, US HY spreads rose by 31 bps to 543 bps and their euro area counterparts by 70 bps to 625 bps. In the Investment Grade spectrum, the USD spreads increased by 16 bps to 167 bps and their EUR counterparts by 23 bp to 221 bps.

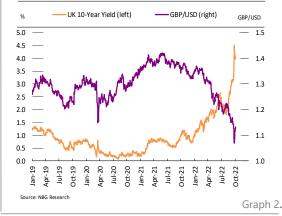
# FX and Commodities

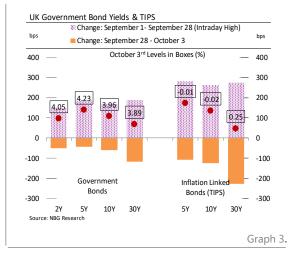
In foreign exchange markets, the British pound briefly reached an all-time low against the US Dollar during Tuesday September 28<sup>th</sup> (GBP/USD 1.04), before a recovery led by BoE's intervention. In all, the Sterling managed to close the week with gains (+2.4% wow), which continued on Monday (+1.0% to GBP/USD 1.13) following also the cancellation of a planned cut in the top rate of income tax. Support was provided, *inter alia*, by expectations for a more aggressive tightening of monetary policy by the BoE, with investors pricing in a Bank Rate of 5.75% by mid-2023 from 2.25% currently and versus expectations for 4.75% a week ago. Meanwhile, the euro took a breather against the US Dollar, +0.9% in the past week and further +0.2% on Monday, to \$0.982.

In commodities, oil prices rose, with demand concerns being outweighed by supply issues, namely, *inter alia*, possible supply cuts by OPEC+. Reports that these cuts could be as much as 1 million barrels per day, led to more gains on Monday October 3<sup>rd</sup>. In all, the Brent was up by 2.1% in the past week and further by 1.0% on Monday to \$88.9/barrel and the WTI by 1.0% and 5.2%, respectively, to \$83.6/barrel (next OPEC+ meeting: October 5<sup>th</sup>).



UK 10-Year Government Bond Yield & GBP/USD





Quote of the week: "It would be imprudent for a stabilityoriented central bank to chart the future course of interest rates on the assumption that a slowdown in demand will reduce the need for adjusting the monetary policy stance", Member of the Executive Board of the ECB, Isabel Schnabel, September 30<sup>th</sup> 2022.

# Interest Rates & Foreign Exchange Forecasts



10-Yr Gov. Bond Yield (%)	September 30th	3-month	6-month	12-month	Official Rate (%)	September 30th	3-month	6-month	12-month
Germany	2.13	2.15	2.25	2.25	Euro area	0.75	2.00	2.25	2.25
US	3.80	4.00	4.10	4.10	US	3.25	4.50	4.50	4.50
UK	4.14	3.32	3.50	3.55	UK	2.25	3.75	4.15	4.25
Japan	0.24	0.23	0.24	0.30	Japan	-0.10	-0.10	-0.10	-0.10
Currency	September 30th	3-month	6-month	12-month		September 30th	3-month	6-month	12-month
EUR/USD	0.98	1.02	1.05	1.10	USD/JPY	145	144	139	135
EUR/GBP	0.88	0.88	0.88	0.88	GBP/USD	1.12	1.16	1.20	1.25
EUR/JPY	142	147	145	148					
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	Q3:22f	Q4:22f	2022f
Real GDP Growth (YoY) (1)	-3.4	0.5	12.2	4.9	5.5	5.7	3.5	1.7	1.3	0.3	1.7
Real GDP Growth (QoQ saar) (2)	-	6.3	6.7	2.3	6.9	-	-1.6	-0.6	1.2	2.6	-
Private Consumption	-3.8	11.4	12.0	2.0	2.5	7.9	1.8	1.5	1.0	2.2	2.3
Government Consumption	2.5	4.2	-2.0	0.9	-2.6	0.5	-2.9	-1.8	0.9	0.9	-0.9
Investment	-2.7	13.0	3.3	-0.9	2.7	7.8	7.4	-4.5	2.5	3.1	2.6
Residential	6.8	13.3	-11.7	-7.7	2.2	9.2	0.4	-16.2	-1.4	1.1	-3.4
Non-residential	-5.3	12.9	9.2	1.7	2.9	7.4	10.0	0.0	3.4	3.5	4.5
Inventories Contribution	-0.6	-3.7	-1.7	2.1	5.4	0.1	-0.1	-2.1	-1.5	-0.3	0.6
Net Exports Contribution	-0.2	-2.0	-0.4	-1.5	-0.7	-1.9	-3.9	1.4	1.3	0.6	-1.1
Exports	-13.6	-2.9	7.6	-5.3	22.4	4.5	-4.8	17.6	7.6	2.4	5.0
Imports	-8.9	9.3	7.1	4.7	17.9	14.0	18.9	2.8	-2.1	-1.7	9.1
Inflation (3)	1.2	1.9	4.9	5.4	6.7	4.7	8.0	8.7	9.0	8.1	8.3
Euro Area	2020a	Q1:21a	Q2:21a	Q3:21a	Q4:21a	2021a	Q1:22a	Q2:22a	Q3:22f	Q4:22f	2022f
Real GDP Growth (YoY)	-6.2	-0.8	14.4	3.7	4.6	5.2	5.4	4.1	0.9	0.9	2.6
Real GDP Growth (QoQ saar)	-	-0.4	8.2	9.0	2.0	-	2.7	3.1	-0.5	0.9	-
Private Consumption	-7.8	-8.2	15.6	18.6	-0.2	3.7	-0.2	5.1	0.8	0.2	2.7
Government Consumption	1.0	-0.6	8.0	0.4	2.7	4.2	0.9	2.5	0.7	0.4	1.1
Investment	-6.6	-7.8	6.7	-2.4	15.7	4.1	-3.3	3.7	0.3	0.2	2.5
Inventories Contribution	-0.3	2.8	-2.3	-0.7	2.2	0.1	0.4	-0.2	-1.4	-1.0	0.1
Net Exports Contribution	-0.5	3.1	-0.4	0.8	-3.7	1.4	2.9	-0.7	0.3	1.7	0.3
Exports	-9.3	2.5	10.5	9.6	10.1	10.3	4.8	5.4	2.6	2.9	5.2
Imports	-8.8	-4.0	12.5	8.5	20.4	8.0	-0.9	7.4	2.1	-0.4	5.2
Inflation	0.3	1.0	1.8	2.9	4.7	2.6	6.1	8.0	9.3	8.0	7.7

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 - Elevated domestic policy uncertainty hitting extreme lows could intensify exporters 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 + USD interest rate differential vs peers remain +More balanced economic growth recovery (long-- 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%

▲ Slightly higher JPY

Broadly Flat USD against G10 FX

Broadly Flat/Stronger EUR against the USD

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

Broadly stable GBP expected

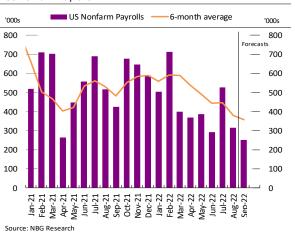


# **Economic Calendar**

In the US, the main macro event next week is the labor market report for September, with consensus estimates for the pace of job creation to have eased (albeit at still resilient levels) and for the unemployment rate to have held steady at 3.7%. Wages will also be monitored, *inter alia* due to their implications for inflation prospects. On Wednesday, the ISM Services survey for September will complement data on business confidence.

In the Euro area, August's retail sales will provide information regarding the performance of private consumption (53% of euro area GDP) in Q3:22.

US Nonfarm Payrolls



#### Economic News Calendar for the period: September 27 - October 10, 2022

Tuesday 27 US		s	А	Р	Wednesday 28 US		s	А	Р	Thursday 29 US		s	А	Р
us 5&P Case/Shiller house price					US Pending home sales (MoM)	August	-1.5% -		-0.6%	GDP (QoQ, annualized)	Q2:22	<b>5</b> -0.6%	-0.6%	
ndex 20 (YoY)	July	17.1% -	16.1%	18.7%	Pending nome sales (MON)	August	-1.5% -	-2.0%	-0.0%	Initial Jobless Claims (k)	September 24		- 193	-0.8%
Conference board consumer										Continuing Claims (k)	September 19		- 1347	1376
confidence	September	104.0 +	108.0	103.6						UK	September 15	1500	- 1547	1570
Durable goods orders (MoM)	August	-0.3% +	-0.2%	-0.14%						Nationwide House Px NSA YoY	September		9.5%	10.0%
Durable goods orders ex		0.2%	0.2%	0.2%						EURO AREA				
transportation (MoM)	August	0.2%	0.2%	0.2%						Business Climate Indicator	September		+ 0.81	0.83
New home sales (k)	August	495 +	685	532						Economic confidence indicator	September	95.0	- 93.7	97.3
EURO AREA														
M3 money supply (YoY)	August	5.4% +	6.1%	5.7%										
Friday 30					Monday 03									
US		S	А	Р	US		S	А	Р	1				
PCE Deflator (YoY)	August	6.0% +		6.4%	ISM Manufacturing	September	52.2 -	50.9	52.8					
PCE Core Deflator (YoY)	August	4.7% +		4.7%	Construction spending	August	-0.3% -	-0.7%	-0.6%					
Personal income (MoM)	August	0.3%	0.3%	0.3%	JAPAN									
Personal spending (MoM)	August	0.2% +	0.4%	-0.2%	Tankan - large manufacturers	Q3:22		8	9					
UK	00.77	0.707	0.007	0.10/	current index			-	-					
GDP (QoQ)	Q2:22	-0.1% +		-0.1%	Tankan - large manufacturers	Q3:22		9	10					
GDP (YoY)	Q2:22	2.9% +	4.4%	2.9%	outlook index	- 11		<i>,</i>	-					
JAPAN	A	0.2% +	2 70/	0.8%										
Industrial Production (MoM)	August			0.8% -2.0%	1									
Industrial Production (YoY)	August	1.4% +		-2.0%	1									
Retail sales (MoM) Retail sales (YoY)	August August	 2.8% +	1.4% 4.1%	0.7% 2.4%	1									
	August	2.070 +	4.1% 17.9%	2.4%	1									
Construction Orders YoY Unemployment rate	August	2.5%	2.5%	2.8%	1									
EURO AREA	, agust	2.270	2.370	2.070	1									
Unemployment Rate	August	6.6%	6.6%	6.6%										
CPI estimate (YoY)	September	9.7% +		9.1%										
Core CPI (YoY)	September	4.7%		4.3%										
CHINA					1									
Manufacturing PMI	September	49.7 +	50.1	49.4										
Caixin PMI Manufacturing	September	49.5 -	48.1	49.5										
Tuesday 04					Wednesday 05					Thursday 06				
					US		S	Α	Р	US		S	Α	Р
					Trade balance (\$bn)	August	-67.7		-70.0	Initial Jobless Claims (k)	October 01	200		193
					ISM services	September	55.6		56.9	Continuing Claims (k)	September 24	1394		1347
					JAPAN	September	50.0		49.5	UK				
					PMI services	September	50.2		49.5	Markit/CIPS UK Construction PMI	September	47.5		49.2
										EURO AREA				
										Retail sales (MoM)	August	-0.7%		0.3%
											August	-0.7%		0.3%
										Retail sales (YoY)	August	-1.8%		0.9%
Friday 07										Monday 10				
US		S	Α	Р						CHINA		S	А	Р
Average Hourly Earnings MoM	September	0.4%		0.3%						Money Supply M0 (YoY)	September			14.3%
Average Hourly Earnings YoY	September	5.1%		5.2%						Money Supply M1 (YoY)	September			6.1%
Average weekly hours (hrs)	September	34.5		34.5						Money Supply M2 (YoY)	September	12.2%		12.2%
Unemployment rate Wholesale trade	September August	3.7% 1.0%		3.7% -1.4%						New Yuan Loans (RMB bn)	September			1250
Wholesale trade GERMANY	August	1.0%		-1.4%										
Industrial Production (sa, MoM)	August	-0.5%		-0.3%										
Industrial Production (sa, MoW)	August	0.570		-1.1%										
Retail sales (MoM)	August	-1.0%		1.9%										
Retail sales (YoY)	August	-5.1%		-5.1%										
JAPAN	August	5.170		5.170										
Coincident Index	August			100.1										
Leading Index	August			98.9										

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

# Equity Markets (in local currency)

Developed N	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	3586	-2.9	-24.8	-16.8	6.6	MSCI Emerging Markets	54180	-2.8	-22.7	-23.7	-12.6
Japan	NIKKEI 225	25937	-4.5	-9.9	-11.9	11.9	MSCI Asia	815	-3.3	-23.8	-24.8	-16.0
UK	FTSE 100	6894	-1.8	-6.6	-2.7	17.5	China	58	-2.7	-30.9	-35.2	-41.0
Canada	S&P/TSX	18444	-0.2	-13.1	-8.1	14.4	Korea	649	-5.4	-28.8	-29.7	-10.7
Hong Kong	Hang Seng	17223	-4.0	-26.4	-29.9	-26.6	MSCI Latin America	87944	-1.2	-4.7	-7.5	8.5
Euro area	EuroStoxx	365	-1.0	-23.9	-19.6	3.1	Brazil	303337	-1.0	-1.0	-7.6	2.1
Germany	DAX 40	12114	-1.4	-23.7	-20.6	-5.1	Mexico	41832	-2.0	-16.2	-12.2	20.6
France	CAC 40	5762	-0.4	-19.4	-11.6	20.0	MSCI Europe	2128	-4.0	-69.3	-70.7	-58.9
Italy	FTSE/MIB	20649	-2.0	-24.5	-19.6	8.6	Russia*	1957	-6.3	-48.3	-52.3	-32.6
Spain	IBEX-35	7367	-2.9	-15.5	-16.3	9.7	Turkey	3280232	-4.1	57.9	108.0	143.2

### 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	207.4	1.7	18.9	23.2	101.6	Energy	222.9	1.6	25.9	30.7	110.9
Materials	265.7	0.2	-26.2	-19.0	-3.7	Materials	273.7	0.3	-19.8	-11.6	4.7
Industrials	254.5	-2.0	-27.4	-23.3	-3.7	Industrials	271.6	-2.1	-21.7	-16.6	5.2
Consumer Discretionary	298.8	-2.5	-32.3	-26.7	-8.0	Consumer Discretionary	304.0	-2.5	-28.9	-22.5	-2.1
Consumer Staples	242.6	-2.5	-17.3	-9.8	-3.0	Consumer Staples	256.3	-2.7	-12.0	-3.9	3.4
Healthcare	305.7	-0.6	-17.3	-10.9	4.3	Healthcare	312.6	-0.6	-13.9	-7.2	9.0
Financials	113.5	-3.0	-24.0	-21.5	17.4	Financials	119.9	-2.9	-19.4	-16.5	24.3
IT	375.1	-3.8	-34.5	-25.9	-4.7	IT	370.5	-3.8	-33.2	-24.3	-2.4
Telecoms	66.5	-3.0	-37.7	-38.9	-18.5	Telecoms	71.9	-3.0	-35.6	-36.7	-15.3
Utilities	138.3	-7.7	-15.8	-6.8	-2.0	Utilities	148.2	-7.9	-11.5	-1.6	3.6

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	3.80	3.69	1.51	1.53	2.09	US Treasuries 10Y/2Y	-50	-62	78	123	101
Germany	2.13	2.00	-0.18	-0.19	0.44	US Treasuries 10Y/5Y	-24	-29	25	54	51
Japan	0.24	0.24	0.07	0.07	0.20	Bunds 10Y/2Y	36	11	46	50	82
UK	4.14	3.77	0.97	0.95	1.44	Bunds 10Y/5Y	13	2	28	36	55
Greece	4.79	4.55	1.32	0.85	5.67						
Ireland	2.69	2.59	0.25	0.18	1.42	Corporate Bond Spreads (in	Current	Last week	Year Start	One Year	10-year
Italy	4.55	4.27	1.17	0.86	2.21	bps)	Current	Last week	redi Sidil	Back	average
Spain	3.31	3.13	0.57	0.46	1.77	EM Inv. Grade (IG)	180	164	139	137	191
Portugal	3.17	3.04	0.46	0.35	2.54	EM High yield	850	788	618	611	623
						US IG	167	151	98	89	133
US Mortgage Market (1. Fixed-rate Mortgage)	Current	Last week	Year Start	One Year Back	10-year average	US High yield	543	512	310	315	449
30-Year FRM <sup>1</sup> (%)	6.52	6.25	3.31	3.10	4.08	Euro area IG	221	198	98	85	118
vs 30Yr Treasury (bps)	271.6	259.1	138.9	99.5	134.8	Euro area High Yield	625	555	331	304	407

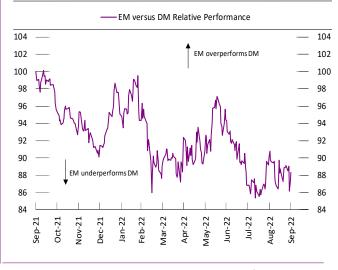
# Foreign Exchange & Commodities

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	0.98	0.9	-2.6	-15.5	-13.9	Agricultural	479	0.1	0.1	14.9	7.5
EUR/CHF	0.96	1.2	-1.7	-10.8	-6.9	Energy	295	0.6	-12.4	13.1	16.9
EUR/GBP	0.88	-1.4	1.6	2.1	4.5	West Texas Oil (\$/bbl)	79	1.0	-11.2	5.9	5.7
EUR/JPY	141.80	2.0	1.7	9.7	8.3	Crude brent Oil (\$/bbl)	88	2.1	-8.8	12.0	13.1
EUR/NOK	10.68	3.7	7.0	5.5	6.5	HH Natural Gas (\$/mmbtu)	6.8	0.2	-24.2	21.3	77.1
EUR/SEK	10.87	-0.5	1.7	7.2	5.6	TTF Natural Gas (EUR/mwh)	189	1.8	-21.3	93.1	168.4
EUR/AUD	1.52	2.6	3.9	-5.0	-2.6	Industrial Metals	401	-0.2	-5.9	-14.5	-19.7
EUR/CAD	1.35	2.1	2.2	-8.3	-6.3	Precious Metals	2163	1.0	-2.3	-5.7	-9.5
USD-based cross rates						Gold (\$)	1661	1.0	-3.0	-5.5	-8.8
USD/CAD	1.37	1.1	4.9	8.5	8.8	Silver (\$)	19	0.8	5.7	-14.2	-17.9
USD/AUD	1.56	1.7	6.6	12.3	13.1	Baltic Dry Index	1760	-3.1	82.4	-65.9	-20.6
USD/JPY	144.75	1.0	4.4	29.7	25.7	Baltic Dirty Tanker Index	1477	-1.4	-2.3	135.9	87.9

Source: NBG Research, Data as of September 30<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>

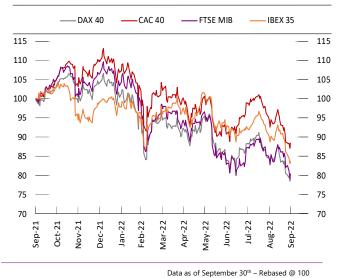
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### EM vs DM Performance in \$

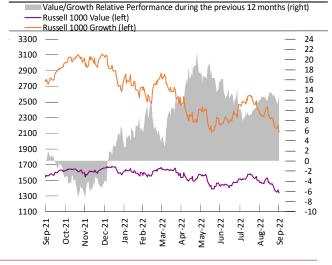


Data as of September  $30^{\text{th}}$  – Rebased @ 100





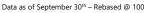
#### Russell 1000 Value & Growth Index



Data as of September 30th



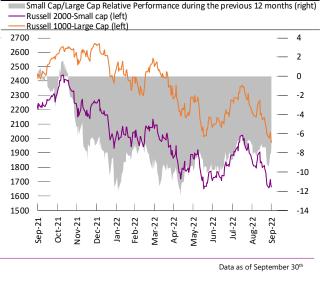




Equity Market Performance - Emerging Markets



Data as of September 30<sup>th</sup> – Rebased @ 100

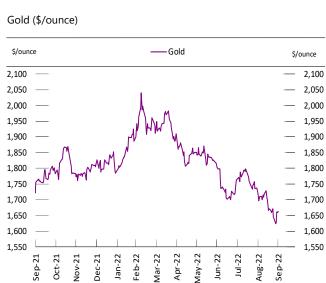


# Russell 2000 & Russell 1000 Index

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Sep-21 Oct-21 Nov-21 Dec-21 Jan-22 Feb-22



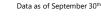
Apr-22

Mar-22

Jun-22

Jul-22

May-22



bps

300

280

260

240

220

200

180

160

140

120

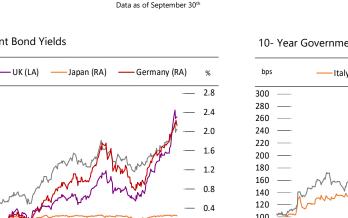
100

80

60

40

20



Data as of September 30th

LA:Left Axis RA:Right Axis

10- Year Government Bond Yields

Stronger USD

Jan-22 Feb-22 Mar-22

EUR/USD

\_\_\_\_

har 1.14

€/\$

1.24

1.22

1.20

1.18

1.16

1.12

1.10

1.08

1.06

1.04

1.02

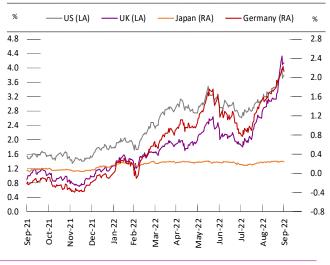
1.00

0.98

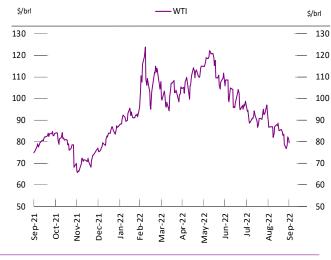
0.96 0.94

Sep-21

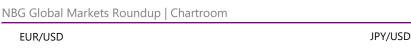
Oct-21 Nov-21 Dec-21



West Texas Intermediate (\$/brl)



Data as of September 30<sup>th</sup>



€/\$

1.24

1.22

1.20

1.18

1.16

1.14

1.12

1.10

1.08

1.06

1.04

1.02

1.00

0.98

0.96

0.94

\_

Aug-22

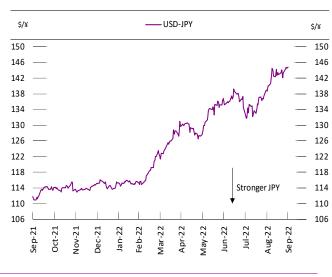
Jul-22

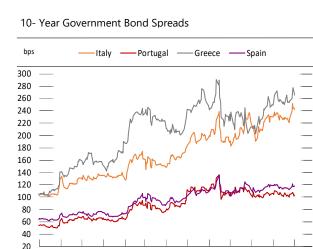
Sep-22

- EUR-USD

Apr-22

May-22 Jun-22





Data as of September 30th

Aug-22 Sep-22

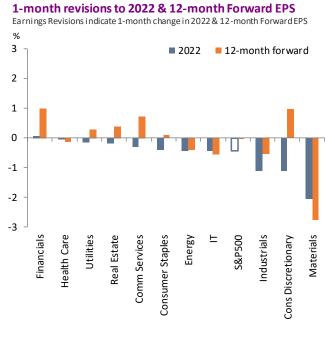
1,550 Jan-22 Apr-22 Sep-22 Feb-22 Mar-22 Jun-22 Jul-22 Aug-22 May-22 Data as of September 30<sup>th</sup>



# **US Sectors Valuation**

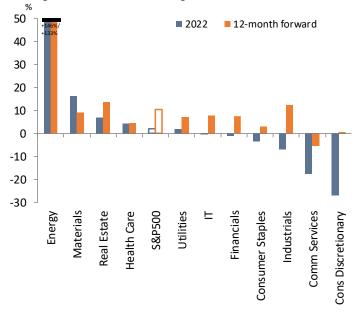
		Price (\$)		EPS Gro	wth (%)	Dividend	Yield (%)		Ρ/	'E Ratio		P/BV Ratio			
	30/9/22	% Weekly Change	%YTD	2022	2023	2022	2023	2022	2023	12m fwd	10Yr Avg	2022	2023	Current	10Yr Avg
S&P500	3586	-2.9	-24.8	7.5	8.1	1.8	1.9	16.2	15.0	15.3	17.3	3.5	3.1	3.2	3.0
Energy	553	1.8	30.7	147.0	-12.7	3.8	3.4	7.1	8.2	7.9	15.7	2.0	1.8	1.9	1.7
Materials	428	-0.7	-24.9	13.8	-7.6	2.4	2.5	11.7	12.6	12.4	16.2	2.4	2.2	2.2	2.7
Financials															
<b>Diversified Financials</b>	843	-2.1	-22.9	-11.9	11.0	1.9	2.0	13.9	12.5	12.8	15.0	1.7	1.5	1.6	1.6
Banks	297	-3.4	-28.9	-16.6	16.0	3.5	3.8	9.2	7.9	8.2	11.5	1.0	0.9	0.9	1.1
Insurance	513	-1.6	-6.8	-2.6	16.2	2.2	2.4	13.2	11.3	11.8	11.8	1.8	1.6	1.6	1.3
Real Estate	226	-3.9	-30.4	10.8	6.3	3.6	3.9	16.4	15.4	15.7	18.8	2.7	2.8	2.8	3.3
Industrials															
Capital Goods	709	-2.4	-20.4	18.1	17.9	2.0	2.2	17.1	14.5	15.2	17.3	3.9	3.5	3.6	4.0
Transportation	818	-2.8	-27.5	118.0	16.5	2.2	2.4	14.2	12.2	N/A	14.0	4.7	4.0	4.2	4.2
Commercial Services	457	-1.7	-16.0	8.3	10.6	1.1	1.2	26.0	23.5	24.1	22.8	5.5	5.0	5.1	4.1
Consumer Discretionary															
Retailing	2968	-0.3	-29.8	-36.8	53.0	0.8	0.9	37.7	24.7	28.0	27.6	10.5	8.5	9.0	9.3
Consumer Services	1119	-3.0	-25.9	12407.8	127.3	1.4	1.5	45.2	19.9	N/A	35.8	57.1	38.4	N/A	11.8
Consumer Durables	291	-9.6	-45.5	7.7	-7.3	2.2	2.3	9.5	10.3	10.1	17.0	2.4	2.1	2.2	3.4
Automobiles and parts	141	-4.4	-29.0	27.6	17.6	0.2	0.3	29.0	24.6	N/A	16.0	5.4	4.6	4.8	2.8
IT															
Technology	2577	-7.0	-24.5	6.7	5.2	1.0	1.0	19.7	18.7	18.9	15.7	14.1	12.2	12.7	6.9
Software & Services	2680	-2.3	-31.2	11.9	13.4	1.1	1.1	22.6	19.9	20.6	21.7	7.1	6.0	6.2	6.3
Semiconductors	1480	-4.1	-43.7	0.3	2.5	1.9	2.1	14.1	13.7	13.8	15.6	3.7	3.4	3.5	3.9
Communication Services	162	-3.0	-39.4	-11.7	16.1	1.0	1.1	15.3	13.1	13.7	19.1	2.5	2.3	2.4	3.2
Media	627	-3.0	-42.1	-10.6	17.9	0.3	0.4	17.0	14.5	15.1	22.6	3.0	2.7	2.8	3.7
Consumer Staples															
Food & Staples Retailing	598	-0.4	-14.8	0.8	8.4	1.7	1.7	21.1	19.5	19.9	18.5	4.5	4.1	4.2	3.7
Food Beverage & Tobacco	764	-4.2	-6.5	3.2	6.0	3.4	3.5	18.0	16.9	17.2	18.5	4.7	4.4	4.5	5.0
Household Goods	732	-6.8	-25.0	-1.4	6.9	2.7	2.9	22.5	21.1	21.4	21.6	8.7	8.3	8.4	6.9
Health Care															
Pharmaceuticals	1142	-1.0	-12.1	4.8	-5.5	2.1	2.2	13.5	14.3	14.1	15.4	4.8	4.3	4.4	4.4
Healthcare Equipment	1666	-1.9	-16.8	3.3	7.8	1.3	1.3	17.8	16.5	16.9	17.0	3.5	3.2	3.3	3.0
Utilities	333	-8.8	-8.6	4.6	5.0	3.3	3.4	18.5	17.6	17.8	17.4	2.0	1.9	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



12-month revisions to 2022 & 12-month Forward EPS

Earnings Revisions indicate 12-month change in 2022 & 12-month Forward EPS



Data as of September 30<sup>th</sup>

12-month forward EPS are 25% of 2022 EPS and 75% of 2023 EPS

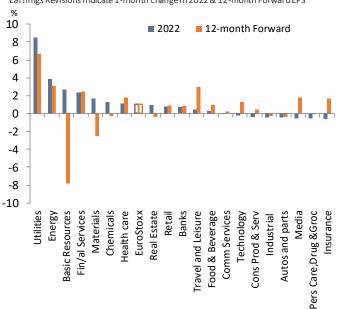
12-month forward EPS are 25% of 2022 EPS and 75% of 2023 EPS National Bank of Greece | Economic Research Division | Global Markets Analysis

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# **Euro Area Sectors Valuation**

		Price (€)		EPS Gro	wth (%)	Dividend	Yield (%)		P/	'E Ratio			P/E	<b>BV Ratio</b>	
	30/9/22	% Weekly Chan	ge %YTD	2022	2023	2022	2023	2022	2023	12m fwd	10Yr Avg	2022	2023	Current	10Yr Avg
EuroStoxx	365	-1.0	-23.9	13.7	5.6	3.7	3.9	11.5	10.8	11.0	14.7	1.4	1.3	1.3	1.5
Energy	289	2.9	0.2	138.9	-18.5	5.5	5.7	4.2	5.2	4.9	13.0	1.0	0.9	0.9	1.2
Materials	834	0.4	-20.0	15.9	-25.8	3.5	3.5	9.0	12.2	11.4	15.7	1.4	1.3	1.4	1.7
Basic Resources	200	-0.6	-19.6	14.3	-51.0	3.7	3.9	3.2	6.5	5.7	9.9	0.5	0.5	0.5	0.8
Chemicals	1214	0.5	-20.1	18.5	-11.5	3.5	3.4	12.4	14.0	13.6	16.8	1.9	1.8	1.8	2.2
Financials															
Banks	79	-5.5	-21.8	6.3	4.8	7.5	7.9	6.3	6.0	6.1	9.9	0.5	0.5	0.5	0.7
Insurance	259	-3.7	-15.2	-5.4	22.3	6.5	6.9	9.1	7.4	7.9	9.7	1.0	0.9	0.9	0.9
Financial Services	473	1.3	-18.2	7.3	1.3	3.8	4.0	13.2	13.0	13.1	16.1	1.4	1.3	1.3	1.3
Real Estate	125	0.2	-44.1	6.2	3.6	7.0	7.9	9.7	9.3	9.4	17.0	0.5	0.5	0.5	1.0
Industrials															
Industrial Goods & Services	833	0.9	-28.9	16.6	13.7	2.7	3.1	15.5	13.6		17.4	2.2	2.0	2.0	2.6
Construction & Materials	410	-0.6	-24.5	-5.3	3.2	4.3	4.6	10.4	10.1	10.2	14.8	1.3	1.2	1.3	1.5
Consumer Discretionary															
Retail	410	1.0	-40.8	-5.4	7.2	5.1	5.5	17.3	16.2	16.5	26.1	3.4	3.3	3.3	5.6
Automobiles and parts	457	-3.6	-27.5	6.6	-2.5	7.1	6.6	4.6	4.7	4.7	8.0	0.7	0.6	0.6	1.0
Travel and Leisure	158	1.5	-18.2	N/A	56.7	1.2	1.4	22.9	14.6	N/A	N/A	1.9	1.8	1.8	2.2
<b>Consumer Products &amp; Services</b>	390	0.1	-26.0	9.2	13.2	1.8	2.0	25.0	22.1	22.8	24.8	5.3	4.7	4.9	4.1
Media	237	1.1	-17.1	16.8	17.2	2.6	2.9	19.1	16.3	17.0	18.4	2.5	2.4	2.4	2.1
Technology	637	0.3	-35.1	-1.7	24.8	1.3	1.4	21.4	17.1	18.2	21.9	3.0	2.7	2.8	3.7
Consumer Staples															
Food, Beverage & Tobacco	160	0.1	-16.6	17.7	10.2	2.0	2.4	17.6	16.0	16.4	20.1	1.9	1.8	1.8	2.6
Personal Care, Drug & Grocery	160	-2.5	-20.5	1.3	7.8	2.7	2.9	14.9	13.8	14.1	17.6	2.1	2.0	2.0	2.3
Health care	715	0.2	-23.4	9.5	6.9	2.6	2.8	14.0	13.1	13.3	16.7	1.8	1.7	1.7	2.3
Communication Services	254	-3.5	-11.9	23.0	8.7	4.5	4.8	13.6	12.5	12.7	15.3	1.3	1.3	1.3	1.7
Utilities	312	-5.8	-20.8	-49.9	98.6	4.9	5.4	23.4	11.8	14.7	14.1	1.5	1.4	1.4	1.2

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 2022 & 12-month Forward EPS

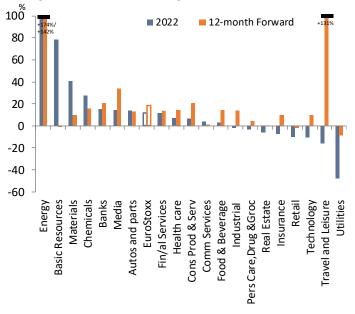
Earnings Revisions indicate 1-month change in 2022 & 12-month Forward EPS

Data as of September 30<sup>th</sup>

12-month forward EPS are 25% of 2022 EPS and 75% of 2023 EPS

12-month revisions to 2022 & 12-month Forward EPS

Earnings Revisions indicate 12-month change in 2022 & 12-month Forward EPS



Data as of September 30<sup>th</sup>

12-month forward EPS are 25% of 2022 EPS and 75% of 2023 EPS

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



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