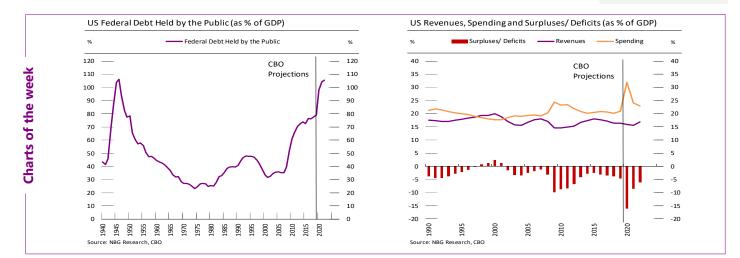
#### See page 11 for disclosures and analyst certification

# **Global Markets Roundup**

National Bank of Greece | Economic Research Division | September 29, 2020

Democrats have unveiled a \$2.2tn pandemic relief bill, as additional fiscal thrust is crucial in supporting the fragile US economic recovery

- The probability for a 5<sup>th</sup> pandemic-related relief US fiscal package is still below 50%, with political tensions increasing as we move closer -- get ready for the start of the debate season tonight-- to November's Presidential elections. The gap between the two parties on how to support the economy remains sizeable, albeit narrowing. Democrats' current standpoint is \$2.2 trillion (10% of US GDP) from \$3.4 trillion initially, whereas comments from President Trump and the White House Chief of Staff Meadows suggest that the Republicans may support a package totaling \$1.3 to \$1.5 trillion (6% to 7% of GDP) from \$1 trillion. In that context, the prospect of significantly more stimulus to come after the November elections appears more likely, albeit negotiations in the US legislature continue at the time of writing.
- Recall that the four coronavirus relief fiscal packages (total: \$3 trillion) enacted so far have been pivotal in stemming the adverse economic effects from the pandemic and supporting the expected GDP recovery in H2:2020. According to the Congressional Budget Office (CBO), the insofar enacted pandemic-related legislation had a positive effect on the level of real GDP in Q2 of 5 pps. As a result, real GDP would have contracted by circa 45% qoq saar (-14% yoy), instead of an actual outcome of -32% qoq saar (-9% yoy). For Q3, the positive effect is estimated at about 8 pps, with real GDP expectations at +32% qoq saar (-3.2% yoy), according to the Federal Reserve Bank of Atlanta's GDPNow forecasting model. Overall, CBO estimates that the already enacted fiscal measures will increase the level of real GDP by 4.7% in 2020, mitigating an extraordinary recession. Note that consensus analysts expect 2020 real GDP growth of -4.4% (NBG estimates: -4.1%).
- Looking forward, elevated household savings could continue to gradually feed through to higher private consumption (70% of US GDP) lessening the absence of new fiscal measures. Indeed, households' savings ratio (i.e. income minus outlays and taxes, as % of disposable personal income) remains particularly high (at 17.8% in July versus a 30-year average of 6.9%). Note that August data are due on October 1<sup>st</sup> with consensus expecting a still elevated ratio of 12%-14% on the back of consumer spending being deferred during the lockdown period (from late March to early May), alongside the massive government support (in form of, *inter alia*, direct checks to households and additional unemployment benefits). However, there is elevated uncertainty regarding the pace of redirecting these savings towards consumption, especially in the current, exceptional circumstances. All told, further fiscal stimulus appears an important prerequisite for the US economy to sustain its recent strong momentum in the short term with consensus expecting real GDP growth of +3.8% in 2021 (NBG estimates: +3.7%).
- Nevertheless, the insofar stimulus is projected by the CBO to add \$2.3 tn to the federal budget deficit in fiscal year 2020 (11% of GDP) and \$0.6 tn in 2021 (3% of GDP). As a result, CBO estimates that the federal government deficit will increase to 16% of GDP in fiscal year 2020 (i.e. from October 2019 to September 2020), the largest since 1945, followed by also extraordinary deficits of 8.6% and 6.1% in fiscal years 2021 and 2022, respectively (see graph below). As a result, according to the CBO, the federal debt will reach a record 106% of GDP by fiscal year 2022. At the general government level (including the debt of state and local governments), (cont'd on page 2)



Ilias Tsirigotakis<sup>AC</sup> Head of Global Markets Research 210-3341517 tsirigotakis.hlias@nbg.gr

Panagiotis Bakalis 210-3341545 mpakalis.pan@nbg.gr

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

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

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... debt will reach 143% of GDP in 2022 according to the International Monetary Fund (2020 Article IV Consultation, August 2020). Debt dynamics over the long-run are also bleak. CBO estimates that under current legislation, the federal debt will sky-rocket to 195% of GDP by 2050 with a a sharp rise in interest expenses (from 1.6% of GDP in fiscal year 2020 to 8.1% in fiscal year 2050).

# Euro area PMIs suggest that the improvement for overall business activity stalled in September

• Euro area PMIs decreased considerably for a 2<sup>nd</sup> consecutive month in September (at the composite level), coming out meaningfully below consensus estimates. Indeed, the composite index declined to 50.1, from 51.9 in August and 54.9 in July, below expectations for an unchanged outcome. The ongoing deterioration of Covid-19 epidemiological data and the subsequent renewed social distancing measures weigh on the services sector, with the respective PMI returning to levels below the expansion/contraction threshold of 50.0, to 47.6 (consensus: 50.6) from 50.5 in August and versus a peak of 54.7 in July. The aforementioned decrease, more than offset a rise in the manufacturing PMI, by 2.0 pts to 53.7 (not a broad-based one though country-wise, as it was heavily concentrated in Germany | see below), versus consensus estimates for 51.9. Notably, panelists reported that prices charged for goods and services (on average) fell for a 7<sup>th</sup> consecutive month in September and at the steepest rate since June 2020, as they increasingly resorted to discounts in order to support sales. On the other hand, survey participants reported higher input costs for a 4<sup>th</sup> consecutive month in September, mainly due to higher virus protection costs. These developments suggest a significant narrowing of firms' profit margins (the most profound since December 2018 according to Markit). Note also that the employment component continues to lag (below the expansion/contraction threshold for a 7th consecutive month), as firms appear reluctant to increase staffing levels in view of elevated uncertainty regarding the path of the pandemic and the economic recovery. Meanwhile, consumer confidence was modestly changed (+0.8 pts) to -13.9 in September, remaining below an average of -11.6 since 2001 (consensus for a stable outcome).

- Regarding PMI performance by country, Germany overperformed France and the rest of the euro area (below the expansion/contraction threshold of 50.0 on a country weighted basis, for a 2<sup>nd</sup> consecutive month at the composite level). Specifically, in France the composite PMI was 48.5 in September from 51.6 in August (and a 21/2-year high of 57.3 in July), versus expectations for 51.9. The services PMI lost significant ground, down by 4.0 pts to 47.5, while its manufacturing counterpart rose by 1.1 pt to 50.9. It should also be noted though that INSEE's (France's official statistics office) composite business climate indicator improved in September, up by 2.0 pts to 92.4 (albeit remaining below an average of 100 since 1990).
- **German PMIs recorded mixed changes.** Specifically, the services PMI fell by 3.4 pts to 49.1, whereas its manufacturing counterpart increased substantially, by 4.4 pts to 56.6, the highest since July 2018. Overall, the composite PMI posted a much less profound fall compared with the rest of euro area countries, by 0.7 pts to 53.7 in September, close to consensus estimates for 54.0 and remaining

well above the expansion/contraction threshold of 50.0. Meanwhile, the IFO business climate index continued to recover, rising by 0.8 pts to 93.4, albeit remaining below its average of 97.1 since 2005. In a development that bodes well for a further improvement in coming months, the expectations component (expectations for business conditions in the next six months) continued to over-perform (97.7), while the assessment of current conditions came out at 89.2. Improvement occurred in the manufacturing, trade and construction sectors, whereas a modest deterioration took place in services. It should be noted that when interpreting/comparing the findings of the aforementioned surveys, caution is warranted in the different rationale of the survey questionnaires. In the event, PMI surveys indicate whether certain aspects are increasing or decreasing (e.g. the services business activity index is based on the survey question "Is the level of business activity at your company higher, the same or lower than one month ago?"). In the IFO survey a different approach is undertaken, with participants giving their assessments of the current business situation, describing it as "good," "satisfactory," or "poor" and their expectations for the next six months, describing them as "more favorable," "unchanged," or "less favorable".

# Euro area bank lending growth to corporations remained strong in August

Robust bank lending growth remains an important supporting factor for economic activity in the euro area, with the annual pace of growth of overall private sector borrowing largely stable at +4.6% yoy in August. The two major private sector components performed as follows in August: i) loan growth to households (adjusted for sales and securitizations) was largely unchanged at +3.0% yoy; and ii) loan growth to non-financial corporations was also broadly stable at an elevated +7.1% yoy, remaining close to an 11½-year high of 7.3% yoy in May 2020. On a country-by-country basis, the robust outcomes were broad based. Attention now turns to the ECB's quarterly Bank Lending Survey (due on October 27<sup>th</sup>), as it will provide insight regarding how euro area banks' willingness to extend credit to the private sector evolves, as well as an indication for loan demand (based on banks' expectations).

# UK PMIs suggest continued recovery for business activity in September, albeit with some loss of momentum

UK PMIs declined considerably in September, remaining though well above the expansion/contraction threshold of 50.0. Specifically, the PMI in the dominant services sector (80% of UK GDP) fell by 3.7 pts to 55.1. Stronger housing market conditions, rising demand for digital services and greater domestic tourism were cited by respondents as having a positive effect. On the other hand, pandemic related restrictions continued to weigh heavily on transport services, international travel, hospitality and consumer-facing businesses. Meanwhile, the manufacturing PMI decreased modestly, by 0.9 pts to 54.3. Overall, the composite PMI came out at 55.7 in September from 59.1 in August. The fact that the Covid-19 lockdown in the UK was imposed relatively later and lasted longer (thus the exit from strict restrictions occurred relatively more recently) appears to have resulted in remaining pockets of pent-up demand, a development which continued to boost activity in September, as also suggested by respondents' comments.

# **Equities**

 Global equities declined in the past week, due to concerns that the rising number of coronavirus cases and the implementation of tighter restrictive measures will have a significant impact on the global economic recovery. Overall, the MSCI ACWI ended the week down up 2.1% (-1.8% ytd), with Developed Markets (-1.7% wow | -1.3% ytd) over-performing their Emerging Markets peers (-4.5% wow | -5% ytd). The S&P500 ended the week down by 0.6% (+2.1% ytd), recording its 4<sup>th</sup> consecutive week with losses, for the first time since August 2019 (See Graph 1). However, on Friday, the Index rose by 1.6%, on the back of renewed optimism for COVID-19 vaccine, as Johnson & Johnson's vaccine candidate entered Phase-3 trials (Healthcare: +1.7% on Friday). The IT sector led the increase (2.4% on Friday), with the S5INFT index hovering circa 10% lower compared with its 2020 high. Sector wise, Energy (-8.6% wow) led the decline on account of lower oil prices (see below), followed by Banks (-6.2% wow), due to, inter alia, money laundering reports earlier in the week. Looking forward, the forthcoming US election (November 3<sup>rd</sup>), the increased probability of a pandemic second wave and the possibility that the Congress will not reach an agreement for a new stimulus package are key factors to watch. On the other side of the Atlantic, the Eurostoxx fell by 4.2% wow (-14% ytd), posting its largest weekly decline since June 12<sup>th</sup>, as the number of new coronavirus cases recorded the largest weekly increase in France, Spain and the UK. On a sectoral level, Banks (-9.6% wow | -45% ytd) led the decline.

# **Fixed Income**

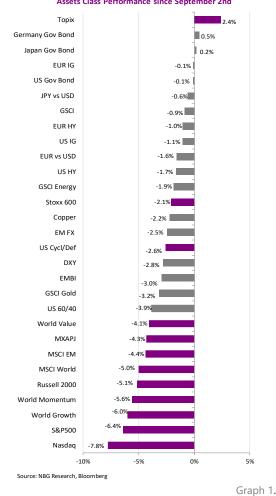
• Government bond yields declined in major advanced economies, due to investors' increased risk aversion. Specifically, the US Treasury 10-year yield ended the week down by 3 bps at 0.65%. On the other side of the Atlantic, in the UK, the 10-year yield was stable at 0.21%, having increased by 5 bps on Tuesday, after the Bank of England's Governor Andrew Bailey stated that negative rates are part of the Bank's toolbox and that last week's monetary policy statement did not imply anything about the possibility of using them. In Germany, the 10year Bund yield declined by 4 bps to -0.52%. Periphery bond yield spreads over the Bund in the 10-year tenor were broadly stable (Spain: 76 bps, Portugal: 77 bps, Greece: 154 bps) with the exception of Italy (-3 bps to 139 bps), following the decrease in political uncertainty post-regional elections. Corporate bond spreads widened in the past week. Specifically, US high yield spreads rose by 48 bps to 564 bps, while their euro area counterparts were up by 46 bps to 484 bps. In the Investment Grade spectrum, US spreads increased by 11 bps to 146 bps and Euro area spreads rose by 7 bps to119 bps.

# FX and Commodities

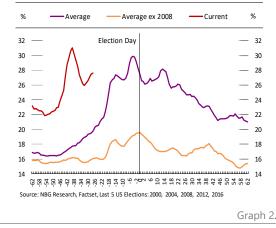
• In foreign exchange markets, the US Dollar rose in the past week as "safe haven" demand increased, due to intensified concerns about the effects of a second wave of Covid-19 on the economic recovery. Specifically, the US Dollar increased by 2% wow against the euro to \$1.162, its highest level since July 23<sup>rd</sup> and by 1.3% against the Japanese Yen to ¥105.64. On the contrary, the British Pound declined in the past week, due to i) the risks related to a no-deal Brexit; ii) the speculation about the implementation of a negative bank rate by the BoE and iii) the restrictive measures announced by the country's government that hurt the investors' sentiment. Overall, the Sterling fell by 2% against the US Dollar to \$1.27, recording a 2-month low, while it remained stable against the euro at €/0.915. Finally, in commodities, oil prices declined in the past week due to smaller-than-expected fall in US oil inventories and the rise in coronavirus cases that stoked concern about the pace of economic recovery and oil demand. Specifically, US oil inventories decreased by 1.6 million barrels to 494 million barrels for the week ending September 18th. Moreover, the restoration of the pre-hurricane oil production in the Gulf of Mexico and the restart of Libyan oil exports almost nine months after the blockade imposed during the civil war also contributed to the downside. Overall, Brent declined by 2.9% to \$41.9/barrel (-37% ytd), and WTI by 2.1% to \$40.3/barrel (-34% ytd).

2020.

3



VIX During Last 5 US Elections (5-day moving average)



Quote of the week: "It doesn't imply anything about the

possibility of us using negative instruments ... We have

looked hard at the question of what scope is to cut interest

rates further and particularly negative interest rates.", Bank

of England Governor, Andrew Bailey, September 22<sup>nd</sup>



Assets Class Performance since September 2nd

#### Interest Rates & Foreign Exchange Forecasts



10-Yr Gov. Bond Yield (%)	September 25th	3-month	6-month	12-month	Official Rate (%)	September 25th	3-month	6-month	12-month
Germany	-0,53	-0,50	-0,40	-0,30	Euro area	0,00	0,00	0,00	0,00
US	0,66	0,90	1,00	1,20	US	0,25	0,25	0,25	0,25
UK	0,19	0,30	0,35	0,43	UK	0,10	0,08	0,06	0,04
Japan	0,01	0,01	0,04	0,06	Japan	-0,10	-0,10	-0,10	-0,10
Currency	September 25th	3-month	6-month	12-month		September 25th	3-month	6-month	12-month
EUR/USD	1,16	1,17	1,18	1,20	USD/JPY	106	106	105	103
EUR/GBP	0,91	0,91	0,91	0,90	GBP/USD	1,27	1,29	1,30	1,33
EUR/JPY	123	124	124	124					
Forecasts at end of period									

Forecasts at end of period

Economic Forecasts											
United States	2018a	Q1:19a	Q2:19a	Q3:19a	Q4:19a	2019a	Q1:20a	Q2:20a	Q3:20f	Q4:20f	2020f
Real GDP Growth (YoY) (1)	3,0	2,3	2,0	2,1	2,3	2,2	0,3	-9,1	-3,7	-3,7	-4,1
Real GDP Growth (QoQ saar) (2)	-	2,9	1,5	2,6	2,4	-	-5,0	-31,7	29,3	2,4	-
Private Consumption	2,7	1,8	3,7	2,7	1,6	2,4	-6,9	-34,1	32,8	5,0	-4,7
Government Consumption	1,8	2,5	5,0	2,1	2,4	2,3	1,3	2,8	14,1	-9,2	2,9
Investment	5,2	2,9	-0,4	2,4	1,0	1,9	-1,4	-28,9	12,8	3,4	-4,4
Residential	-0,6	-1,7	-2,1	4,6	5,8	-1,7	19,0	-37,9	36,2	1,3	0,9
Non-residential	6,9	4,2	0,0	1,9	-0,3	2,9	-6,7	-26,0	7,6	4,0	-5,8
Inventories Contribution	0,2	0,2	-1,1	-0,1	-0,9	0,0	-1,7	-4,7	2,9	1,2	-1,1
Net Exports Contribution	-0,3	0,6	-0,9	0,0	1,9	-0,2	1,6	0,6	-1,2	-1,0	0,6
Exports	3,0	1,8	-4,5	0,8	3,4	-0,1	-9,5	-63,2	28,0	19,6	-14,9
Imports	4,1	-2,1	1,7	0,5	-7,5	1,1	-15,0	-54,0	29,3	21,3	-14,1
Inflation (3)	2,5	1,7	1,8	1,7	2,1	1,8	2,1	0,3	1,1	1,0	1,1
Euro Area	2018a	Q1:19a	Q2:19a	Q3:19a	Q4:19a	2019a	Q1:20a	Q2:20a	Q3:20f	Q4:20f	2020
Real GDP Growth (YoY)	1,9	1,4	1,3	1,4	1,0	1,3	-3,2	-14,7	-7,9	-5,3	-7,8
Real GDP Growth (QoQ saar)	-	2,0	0,8	1,1	0,1	-	-14,1	-39,4	37,8	12,2	-
Private Consumption	1,4	2,2	0,8	1,7	0,5	1,3	-16,8	-41,0	43,5	14,8	-8,3
Government Consumption	1,2	2,2	2,0	2,5	1,0	1,8	-2,8	-10,0	12,4	4,6	-0,3
Investment	3,5	1,7	2,9	-1,1	14,0	5,0	-19,2	-52,6	54,4	17,6	-9,2
Inventories Contribution	0,1	-3,4	5,6	-5,5	1,0	-0,3	2,0	0,2	0,0	-0,4	0,2
Net Exports Contribution	0,2	3,5	-6,0	5,6	-4,1	-0,5	-1,9	-3,8	0,9	0,0	-1,6
Exports	3,6	4,2	0,0	2,9	0,5	2,5	-14,7	-56,5	47,3	17,3	-12,3
Imports	3,6	-3,0	14,1	-8,4	10,0	4,0	-12,1	-54,7	46,7	18,2	-10,1
Inflation	1,8	1,4	1,4	1,0	1,0	1,2	1,1	0,2	0,1	0,0	0,4

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 UK Euro Area Japan + Massive Fiscal loosening will support the economy +Still high equity risk premium relative to other regions +Still aggressive QE and "yield-curve" targeting by the +65% of FTSE100 revenues from abroad but wont avoid a recession Modest fiscal loosening in 2020 excluding Germany BoJ +Undemanding valuations in relative terms - 2020 EPS growth expectations have further room to (5% of GDP) - Signs of policy fatigue regarding structural reforms fall from +2%. Earnings will contract in 2020 - 2020-2021 EPS estimates may turn pessimistic as and fiscal discipline - Elevated Policy uncertainty to remain due to the outcome of the Brexit negotiating process Forget aggresive share buybacks for now due to economic growth fails to pick up - Strong appetite for foreign assets Markets - Political uncertainty (Italy, Brexit) could intensify political pressures - JPY appreciation in a risk-off scenario could hurt Peaking profit margins exporters - Protectionism and trade wars Equity P/Es (Valuations) are in line with long-term averages despite P/E contraction of more than 20% since February highs (19x) Neutral/Positive Neutral Neutral Neutral/Negative +Valuations appear rich with term-premium below 0% +Valuations appear excessive compared with long-term +Sizeable fiscal deficits +Elevated Policy uncertainty to remain due to the +Sizeable fiscal deficit fundamentals +Restructuring efforts to be financed by fiscal policy outcome of the Brexit negotiating proce +Underlying inflation pressures if Fed seek makeup +Inflation expectations could drift higher ahead of - Political Risks Bonds measures Fragile growth outlook - Safe haven demand EU/UK negotiations strategies - Global search for yield by non-US investors continues - Medium-term inflation expectations remain low - Extremely dovish central bank -The BoE is expected to remain on hold with risks - Yield-targeting of 10-Year JGB at around 0% Sovernment - Safe haven demand - ECB QE net purchases towards rate cuts - Fed to remain at ZLB in the course of 2020-2021 - ECB QE "stock" effect - Slowing economic growth post-Brexit - Fed: Unlimited QE purchases - Higher yields expected but with Brexit risk premia Slightly higher yields expected Higher yields expected Stable yields expected working on both directions +Safe-haven demand +Reduced short-term tail risks +Safe haven demand +Transitions phase negotiations - Fed's interest rate differential disappeared following +Valuations appear undemanding with REER 6% below + More balanced economic growth recovery (long-+Higher core bond vields cuts to 0%-0.25% +Current account surplus term) its 15-year average Exchange - Sluggish growth +Inflation is bottoming out Sizeable Current account deficit Additional Quantitative Easing by the Bank of Japan if - Elevated Policy uncertainty to remain due to the Deflation concerns - The ECB's monetary policy to remain extra loose inflation does not approach 2% outcome of the Referendum and the negotiating Foreign (Targeted-LTROs, ABSs, Quantitative Easing) process Broadly Flat EUR against the USD with high Broadly Flat EUR against the USD with high Higher GBP expected but with Brexit risk premia Slightly higher JPY volatility around \$1.20 volatility around \$1.20 working on both directions

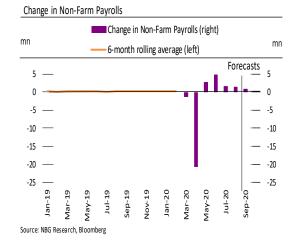
National Bank of Greece | Economic Research Division | Global Markets Analysis



# **Economic Calendar**

In the US, attention turns to the September labor report that is released on October 2<sup>nd</sup>. Consensus expects NFPs of +850k from +1,371k in August, average weekly earnings of +0.2% mom (+4.8% yoy) from +0.4% (+4.7% yoy) and unemployment rate of 8.2% from 8.4%. On Thursday, ISM Manufacturing survey (latest: 56 | consensus of 56.3) will offer insight regarding the momentum in the business sector. At the same time, the weekly initial and continuing jobless claims will provide a more updated view of labor market conditions.

In the Euro area, attention turns to inflation data for September, due to release on Friday. CPI is expected stable at -0.2% yoy, while the core figure at 0.4% yoy. At the same time, unemployment rate for August is also released and is expected at 8.1% from 7.9% in the previous month.



#### Economic News Calendar for the period: September 22 - October 5, 2020

EURO ÀREA Consumer Confidence Indicator Sep Priday 25 US Durable goods orders (MoM) A Durable goods orders ex transportation (MoM) A EURO AREA M3 money supply (YoY) A Tuesday 29 US S&P Case/Shiller house price index 20 (YoY) Conference board consumer confidence Sep EURO AREA	August eptember August August August July eptember	<ul> <li>S</li> <li>6.00</li> <li>-14.7 +</li> <li>14.7 +</li> <li>15% -</li> <li>1.0% -</li> <li>10.1%</li> <li>10.1%</li> <li>10.1%</li> <li>S</li> <li>3.60%</li> </ul>	A 6.00 -13.9 A 0.4% 0.4% 9.5%	P 5.86 -14.7 P 11.7% 3.2% 10.1%	US Markit US Manufacturing PMI UK Markit UK PMI Manufacturing SA Markit/CIPS UK Services PMI JAPAN PMI manufacturing EURO AREA Markit Eurozone Manufacturing PMI Markit Eurozone Services PMI Markit Eurozone Composite PMI Markit Eurozone Composite PMI Monday 28 Monday 28 Wednesday 30 US ADP Employment Change (k)	September September September September September	s 53.5 54.0 + 55.9 -  51.9 + 50.6 - 51.9 -	55.1 47.3 53.7 47.6	P 53.1 55.2 58.8 47.2 51.7 50.5 51.9	US Initial Jobless Claims (k) Continuing Claims (k) New home sales (k) EURO AREA ECB publishes its Economic bulletin GERMANY IFO- Business Climate Indicator IFO- Susiness Climate Indicator IFO- Current Assesment	September 19 September 12 August September 24 September September	890 + 93.8 - 98.0 -	A 870 12580 1011 93.4 97.7 89.2 ₿9.2	P 866 12747 965 92.5 97.2 87.9
EURO ÀREA Consumer Confidence Indicator Sep Priday 25 US Durable goods orders (MoM) A Durable goods orders ex transportation (MoM) A EURO AREA M3 money supply (YoY) A Tuesday 29 US S&P Case/Shiller house price index 20 (YoY) Conference board consumer confidence Sep EURO AREA	August August August July	-14.7 + <b>S</b> 1.5% - 1.0% - 10.1%	-13.9 <b>A</b> 0.4% 0.4% 9.5% <b>A</b>	-14.7 P 11.7% 3.2% 10.1%	UK Markit UK PMI Manufacturing SA Markit/CIPS UK Services PMI JAPAN PMI manufacturing EURO AREA Markit Eurozone Manufacturing PMI Markit Eurozone Services PMI Markit Eurozone Composite PMI Markit Eurozone Composite PMI Monday 28 Wednesday 30 US	September September September September	54.0 + 55.9 -  51.9 + 50.6 - 51.9 -	54.3 55.1 47.3 53.7 47.6 50.1	55.2 58.8 47.2 51.7 50.5 51.9	Continuing Claims (k) New home sales (k) EURO AREA ECB publishes its Economic bulletin GERMANY IFO- Business Climate Indicator IFO-Expectations IFO- Current Assessment	September 12 August September 24 September September	12275 - 890 - 93.8 - 98.0 - 89.5 -	- 12580 → 1011 - 93.4 - 97.7 - 89.2	92.5 97.2 97.2 87.9
Consumer Confidence Indicator Sep Friday 25 US Durable goods orders (MoM) A Durable goods orders ex transportation (MoM) E EURO AREA M3 money supply (YoY) A Tuesday 29 US S&P Case/Shiller house price index 20 (YoY) Confrieence baard consumer confidence Sep EURO AREA	August August August July	<b>s</b> 1.5% - 1.0% - 10.1%	<b>A</b> 0.4% 0.4% 9.5%	<b>P</b> 11.7% 3.2% 10.1%	Markit UK PMI Manufacturing SA Markit/CIPS UK Services PMI JAPAN PMI manufacturing EURO AREA Markit Eurozone Manufacturing PMI Markit Eurozone Services PMI Markit Eurozone Composite PMI Monday 28 Monday 28 Wednesday 30 US	September September September September	55.9 -  51.9 + 50.6 - 51.9 -	55.1 47.3 53.7 47.6 50.1	58.8 47.2 51.7 50.5 51.9	New home sales (k) EURO AREA ECB publishes its Economic bulletin GERMANY IFO- Business Climate Indicator IFO- Current Assesment FO- Current Assesment GERMANY	August September 24 September September	890 -	<ul> <li>93.4</li> <li>97.7</li> <li>89.2</li> </ul>	965 92.5 97.2 87.9
Friday 25         US         Durable goods orders (MoM)         A         Durable goods orders ex         A         EURO AREA         M3 money supply (YoY)         A         Tuesday 29         US         S&P Case/Shiller house price index 20 (YoY)         Conference board consumer confidence       Sep EURO AREA	August August August July	<b>s</b> 1.5% - 1.0% - 10.1%	<b>A</b> 0.4% 0.4% 9.5%	<b>P</b> 11.7% 3.2% 10.1%	Markit/CIPS UK Services PMI JAPAN PMI manufacturing EURO AREA Markit Eurozone Manufacturing PMI Markit Eurozone Services PMI Markit Eurozone Composite PMI Monday 28 Monday 28 Wednesday 30 US	September September September September	55.9 -  51.9 + 50.6 - 51.9 -	55.1 47.3 53.7 47.6 50.1	58.8 47.2 51.7 50.5 51.9	EURO AREA ECB publishes its Economic bulletin GERMANY IFO- Business Climate Indicator IFO-Expectations IFO- Current Assesment	September September September	93.8 - 98.0 - 89.5 -	- 93.4 - 97.7 - 89.2	92.5 97.2 87.9
US Durable goods orders (MoM) A Durable goods orders ex transportation (MoM) A EURO AREA M3 money supply (YoY) A Tuesday 29 US S&P Case/Shiller house price index 20 (YoY) Conference board consumer confidence Sep EURO AREA	August August July	1.5% - 1.0% - 10.1% S	0.4% 0.4% 9.5%	11.7% 3.2% 10.1% P	Markit/CIPS UK Services PMI JAPAN PMI manufacturing EURO AREA Markit Eurozone Manufacturing PMI Markit Eurozone Services PMI Markit Eurozone Composite PMI Monday 28 Monday 28 Wednesday 30 US	September September September September	55.9 -  51.9 + 50.6 - 51.9 -	55.1 47.3 53.7 47.6 50.1	58.8 47.2 51.7 50.5 51.9	ECB publishes its Economic bulletin GERMANY IFO- Business Climate Indicator IFO-Expectations IFO- Current Assesment	September September	98.0 · 89.5 ·	- 97.7 - 89.2	97.2 87.9
US Durable goods orders (MoM) A Durable goods orders ex transportation (MoM) A EURO AREA M3 money supply (YoY) A Tuesday 29 US S&P Case/Shiller house price index 20 (YoY) Conference board consumer confidence Sep EURO AREA	August August July	1.5% - 1.0% - 10.1% S	0.4% 0.4% 9.5%	11.7% 3.2% 10.1% P	JAPAN PMI manufacturing EURO AREA Markit Eurozone Manufacturing PMI Markit Eurozone Services PMI Markit Eurozone Composite PMI Monday 28 Wednesday 30 US	September September September	 50.6 - 51.9 -	47.3 53.7 47.6 50.1	47.2 51.7 50.5 51.9	bulletin GERMANY IFO- Business Climate Indicator IFO- Expectations IFO- Current Assessment GERMANY	September September	98.0 · 89.5 ·	- 97.7 - 89.2	97.2 87.9
US Durable goods orders (MoM) A Durable goods orders ex transportation (MoM) A EURO AREA M3 money supply (YoY) A Tuesday 29 US S&P Case/Shiller house price index 20 (YoY) Conference board consumer confidence Sep EURO AREA	August August July	1.5% - 1.0% - 10.1% S	0.4% 0.4% 9.5%	11.7% 3.2% 10.1% P	PMI manufacturing EURO AREA Markit Eurozone Manufacturing PMI Markit Eurozone Services PMI Markit Eurozone Composite PMI Monday 28 Wednesday 30 US	September September	50.6 - 51.9 -	53.7 47.6 50.1	51.7 50.5 51.9	GERMANY IFO- Business Climate Indicator IFO-Expectations IFO- Current Assesment GERMANY	September September	98.0 · 89.5 ·	- 97.7 - 89.2	97.2 87.9
US Durable goods orders (MoM) A Durable goods orders ex transportation (MoM) A EURO AREA M3 money supply (YoY) A Tuesday 29 US S&P Case/Shiller house price index 20 (YoY) Conference board consumer confidence Sep EURO AREA	August August July	1.5% - 1.0% - 10.1% S	0.4% 0.4% 9.5%	11.7% 3.2% 10.1% P	EURO AREA Markit Eurozone Manufacturing PMI Markit Eurozone Services PMI Markit Eurozone Composite PMI Monday 28 Monday 28 Wednesday 30 US	September September	50.6 - 51.9 -	53.7 47.6 50.1	51.7 50.5 51.9	IFO- Business Climate Indicator IFO-Expectations IFO- Current Assesment	September September	98.0 · 89.5 ·	- 97.7 - 89.2	97.2 87.9
US Durable goods orders (MoM) A Durable goods orders ex transportation (MoM) A EURO AREA M3 money supply (YoY) A Tuesday 29 US S&P Case/Shiller house price index 20 (YoY) Conference board consumer confidence Sep EURO AREA	August August July	1.5% - 1.0% - 10.1% S	0.4% 0.4% 9.5%	11.7% 3.2% 10.1% P	Markit Eurozone Manufacturing PMI Markit Eurozone Services PMI Markit Eurozone Composite PMI Monday 28 Wednesday 30 US	September September	50.6 - 51.9 -	47.6 50.1	50.5 51.9	IFO-Expectations IFO- Current Assesment	September September	98.0 · 89.5 ·	- 97.7 - 89.2	97.2 87.9
US Durable goods orders (MoM) A Durable goods orders ex transportation (MoM) A EURO AREA M3 money supply (YoY) A Tuesday 29 US S&P Case/Shiller house price index 20 (YoY) Conference board consumer confidence Sep EURO AREA	August August July	1.5% - 1.0% - 10.1% S	0.4% 0.4% 9.5%	11.7% 3.2% 10.1% P	PMI Markit Eurozone Services PMI Markit Eurozone Composite PMI Monday 28 Wednesday 30 US	September September	50.6 - 51.9 -	47.6 50.1	50.5 51.9	IFO- Current Assesment	September	89.5 ·	- 89.2	87.9
US Durable goods orders (MoM) A Durable goods orders ex transportation (MoM) A EURO AREA M3 money supply (YoY) A Tuesday 29 US S&P Case/Shiller house price index 20 (YoY) Conference board consumer confidence Sep EURO AREA	August August July	1.5% - 1.0% - 10.1% S	0.4% 0.4% 9.5%	11.7% 3.2% 10.1% P	Markit Eurozone Services PMI Markit Eurozone Composite PMI Monday 28 Wednesday 30 US	September September	50.6 - 51.9 -	47.6 50.1	50.5 51.9	GERMANY		s		
US Durable goods orders (MoM) A Durable goods orders ex transportation (MoM) A EURO AREA M3 money supply (YoY) A Tuesday 29 US S&P Case/Shiller house price index 20 (YoY) Conference board consumer confidence Sep EURO AREA	August August July	1.5% - 1.0% - 10.1% S	0.4% 0.4% 9.5%	11.7% 3.2% 10.1% P	Markit Eurozone Composite PMI Monday 28 Wednesday 30 US	September	51.9 -	50.1	51.9		August		A	
US Durable goods orders (MoM) A Durable goods orders ex transportation (MoM) A EURO AREA M3 money supply (YoY) A Tuesday 29 US S&P Case/Shiller house price index 20 (YoY) Conference board consumer confidence Sep EURO AREA	August August July	1.5% - 1.0% - 10.1% S	0.4% 0.4% 9.5%	11.7% 3.2% 10.1% P	Monday 28 Wednesday 30 US		5				August		A	
US Durable goods orders (MoM) A Durable goods orders ex transportation (MoM) A EURO AREA M3 money supply (YoY) A Tuesday 29 US S&P Case/Shiller house price index 20 (YoY) Conference board consumer confidence Sep EURO AREA	August August July	1.5% - 1.0% - 10.1% S	0.4% 0.4% 9.5%	11.7% 3.2% 10.1% P	Wednesday 30 US	September		A	P		August		A	P
US Durable goods orders (MoM) A Durable goods orders ex transportation (MoM) A EURO AREA M3 money supply (YoY) A Tuesday 29 US S&P Case/Shiller house price index 20 (YoY) Conference board consumer confidence Sep EURO AREA	August August July	1.5% - 1.0% - 10.1% S	0.4% 0.4% 9.5%	11.7% 3.2% 10.1% P	Wednesday 30 US	September		A	P		August		A	P
US Durable goods orders (MoM) A Durable goods orders ex transportation (MoM) A EURO AREA M3 money supply (YoY) A Tuesday 29 US S&P Case/Shiller house price index 20 (YoY) Conference board consumer confidence Sep EURO AREA	August August July	1.5% - 1.0% - 10.1% S	0.4% 0.4% 9.5%	11.7% 3.2% 10.1% P	Wednesday 30 US	September		A	P		August		A	
Durable goods orders (MoM) A Durable goods orders ex transportation (MoM) A EURO AREA M3 money supply (YoY) A Tuesday 29 US S&P Case/Shiller house price index 20 (YoY) Conference board consumer confidence EURO AREA	August August July	1.5% - 1.0% - 10.1% S	0.4% 0.4% 9.5%	11.7% 3.2% 10.1% P	US	September		A	P		August		A	
Durable goods orders ex A transportation (MoM) EURO AREA M3 money supply (YoY) A M3 money supply (YoY) A US S&P Case/Shiller house price index 20 (YoY) Conference board consumer Confidence EURO AREA	August August July	1.0% - 10.1% S	0.4% 9.5% A	3.2% 10.1% P	US	September		A	P		August		A	P
transportation (MoM) A EURO AREA M3 money supply (YoY) A US S&P Case/Shiller house price index 20 (YoY) Conference board consumer confidence Sep EURO AREA	August	10.1% S	9.5% A	10.1% P	US	September		A	P		August		A	P
EURÒ AREA M3 money supply (YoY) A Tuesday 29 US S&P Case/Shiller house price index 20 (YoY) Conference board consumer confidence Sep EURO AREA	July	5	A	P	US	September		A	Ρ		August		A	P
M3 money supply (YoY) A Tuesday 29 US S&P Case/Shiller house price index 20 (YoY) Conference board consumer confidence EURO AREA	July	5	A	P	US	September		A	P		August		A	P
Tuesday 29 US S&P Case/Shiller house price index 20 (YoY) Conference board consumer confidence EURO AREA	July	5	A	P	US	September		A	P		August		A	
US S&P Case/Shiller house price index 20 (YoY) Conference board consumer confidence EURO AREA					US	September		A	P		August		A	
US S&P Case/Shiller house price index 20 (YoY) Conference board consumer confidence EURO AREA					US	September		A	P		August		A	P
US S&P Case/Shiller house price index 20 (YoY) Conference board consumer confidence EURO AREA					US	September		A	P		August		A	D
US S&P Case/Shiller house price index 20 (YoY) Conference board consumer confidence EURO AREA					US	September		A	P		August		A	P
US S&P Case/Shiller house price index 20 (YoY) Conference board consumer confidence EURO AREA					US	September		A	P		August		A	
US S&P Case/Shiller house price index 20 (YoY) Conference board consumer confidence EURO AREA					US	September		A	Р		August		A	P
US S&P Case/Shiller house price index 20 (YoY) Conference board consumer confidence EURO AREA					US	September		A	Р		August		A	P
S&P Case/Shiller house price index 20 (YoY) Conference board consumer confidence EURO AREA						September		Α	Р		Aucust		Α	P
index 20 (YoY) Conference board consumer confidence EURO AREA		3.60%			ADP Employment Change (k)	September					August	0.4%		F .
index 20 (YoY) Conference board consumer Sep confidence <b>EURO AREA</b>		3.60%					630		428	Retail sales (MoM)	August			-0.2%
Conference board consumer Sep confidence EURO AREA	eptember			3.46%	GDP (QoQ, annualized)	Q2:20	-31.7%		-31.7%	Retail sales (YoY)	August	4.2%		5.0%
EURO AREA	eptember	00.0		04.0	Personal consumption (QoQ,					CHINA	- J			
EURO AREA		90.0		84.8	annualized)	Q2:20	-34.1%		-34.1%	Manufacturing PMI	September	51.3		51.0
					Pending home sales (MoM)	August	3.0%		5.9%	Caixin PMI Manufacturing	September	53.1		53.1
	eptember	89.0		87.7	UK	- J								
					GDP (QoQ)	Q2:20	-20.4%		-20.4%					
					GDP (YoY)	Q2:20	-21.7%		-21.7%					
					Nationwide House Px NSA YoY	September	4.5%		3.7%					
					JAPAN									
					Industrial Production (MoM)	August	1.4%		8.7%					
					Industrial Production (YoY)	August	-13.4%		-15.5%					
					Retail sales (MoM)	August	2.0%		-3.4%					
					Retail sales (YoY)	August	-3.1%		-2.9%					
					Construction Orders YoY	August			-22.9%					
Thursday 1					Friday 2					Monday 5				
US		S	Α	Р	US		S	Α	Р	EURO AREA		S	Α	Р
	tember 26	850		870	Change in Nonfarm Payrolls (k)	September	850		1371	Retail sales (MoM)	August			-1.3%
	tember 19	12250		12580	Change in Private Payrolls (k)	September	850		1027	Retail sales (YoY)	August			0.4%
	August	-2.5%		0.4%	Unemployment rate	September	8.2%		8.4%					
	August	0.8%		1.9%	Average weekly hours (hrs)	September	34.6		34.6					
	August	1.2%		1.0%	Average Hourly Earnings MoM	September	0.2%		0.4%					
. ,	August	1.4%		1.3%	Average Hourly Earnings YoY	September	4.8%		4.7%					
	eptember	56.3		56.0	Labor Force Participation Rate	September	61.9%		61.7%					
	August	0.7%		0.1%	Underemployment Rate	September			14.2%					
JAPAN					Factory Goods Orders (MoM)	August	1.0%		6.4%					
Tankan - large manufacturers	Q3:20	-24		-34	JAPAN									
current index	20.20	-24		-34	Jobless Rate	August	3.0%		2.9%					
Tankan - large manufacturers	O3:20	-16		-27	EURO AREA									
outlook index	Q5.20	-10		-21	CPI estimate (YoY)	September	-0.2%		-0.2%					
EURO AREA														
Unemployment Rate A					Core CPI (YoY)	September	0.4%		0.4%					

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

# Equity Markets (in local currency)

3298 23209 5843 16069	-2,7 -0,8	2,1 -1,9 -22,5 -5,8	10,8 5,2 -20,5 -4,3	13,5 -3,5 -22,2 -0,6	MSCI Emerging Markets MSCI Asia China	60809 949 95	-3,5 -3,9 -3,6	-1,1 3,9 10,6	7,1 13,9 24,6
5843 1606	-2,7 -0,8	-22,5	-20,5	-22,2	China	95			
1606	-0,8		,				-3,6	10,6	24.6
	- , -	-5,8	-4,3	-0.6	IZ				,-
22221	5.0			0,0	Korea	714	-4,5	3,3	11,4
2323	-5,0	-17,6	-10,8	-16,5	MSCI Latin America	81729	-1,2	-18,4	-13,9
347	-4,2	-14,0	-8,7	-9,1	Brazil	304351	-1,6	-16,9	-9,9
12469	-4,9	-5,9	1,5	0,7	Mexico	33873	1,8	-15,6	-14,9
4730	-5,0	-20,9	-15,9	-14,2	MSCI Europe	5142	-2,6	-19,3	-13,1
18698	-4,2	-20,5	-14,8	-13,6	Russia	1152	-2,3	-15,4	-7,6
	-4,4	-30,6	-27,4	-30,4	Turkey	1327049	1,8	-11,7	-4,3
	18698 6628	18698 -4,2	18698 -4,2 -20,5	18698 -4,2 -20,5 -14,8	18698 -4,2 -20,5 -14,8 -13,6	18698 -4,2 -20,5 -14,8 -13,6 <b>Russia</b>	18698 -4,2 -20,5 -14,8 -13,6 <b>Russia</b> 1152	18698 -4,2 -20,5 -14,8 -13,6 <b>Russia</b> 1152 -2,3	18698 -4,2 -20,5 -14,8 -13,6 <b>Russia</b> 1152 -2,3 -15,4

#### 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 (%)
Energy	103,9	-7,4	-47,2	-45,2	-56,0	Energy	107,3	-6,4	-46,8	-45,8
Materials	272,3	-5,4	0,0	8,5	1,5	Materials	259,7	-4,1	-0,4	6,2
Industrials	261,6	-3,1	-5,4	1,1	-1,2	Industrials	256,3	-2,2	-6,2	-0,7
Consumer Discretionary	318,4	-0,9	14,4	22,1	21,5	Consumer Discretionary	305,1	-0,3	13,7	20,5
Consumer Staples	246,5	-1,2	-1,8	0,3	9,2	Consumer Staples	245,5	-0,3	-2,4	-1,6
Healthcare	288,1	-2,4	3,2	17,1	13,6	Healthcare	282,6	-1,8	2,5	15,4
Financials	94,9	-4,9	-24,5	-18,3	-22,3	Financials	95,0	-4,0	-24,6	-19,4
IT	384,5	1,7	23,7	40,2	49,1	IT	371,1	2,0	23,2	39,4
Telecoms	80,1	-1,1	3,4	10,3	20,1	Telecoms	83,4	-0,7	3,1	9,5
Utilities	139,3	-0,2	-7,3	-6,2	11,6	Utilities	141,9	0,6	-7,9	-7,9

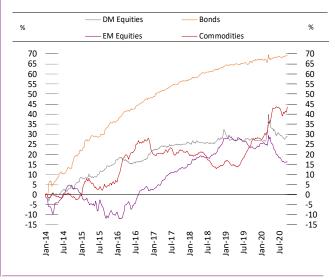
Bond Markets (%	5) —									
10-Year Government Bond Yields	Current	Last week	Year Start	One Year Back	10-year average	Government Bond Yield Spreads (in bps)	Current	Last week	Year Start	One Year Back
US	0,66	0,70	1,92	1,69	2,22	US Treasuries 10Y/2Y	53	56	35	4
Germany	-0,53	-0,49	-0,19	-0,58	0,87	US Treasuries 10Y/5Y	39	41	23	11
Japan	0,01	0,02	-0,01	-0,25	0,39	Bunds 10Y/2Y	18	21	42	17
UK	0,19	0,18	0,82	0,52	1,73	Bunds 10Y/5Y	19	20	29	18
Greece	1,03	1,08	1,47	1,34	9,48					
Ireland	-0,17	-0,13	0,12	-0,04	3,09	Corporate Bond Spreads	Current	I ant const.	Year Start	One Year
Italy	0,89	0,96	1,41	0,82	2,98	(in bps)	Current	Last week	Year Start	Back
Spain	0,25	0,29	0,47	0,15	2,70	EM Inv. Grade (IG)	197	190	150	162
Portugal	0,27	0,30	0,44	0,17	4,42	EM High yield	682	645	494	570
						US IG	146	135	101	120
US Mortgage Market (1. Fixed-rate Mortgage)	Current	Last week	Year Start	One Year Back	10-year average	US High yield	564	516	360	395
<b>30-Year FRM</b> <sup>1</sup> (%)	3,1	3,1	4,0	4,0	4,1	Euro area IG	119	112	94	112
vs 30Yr Treasury (bps)	170	165	156	188	128	Euro area High Yield	484	438	308	361

# 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 (%)
Euro-based cross rates										
EUR/USD	1,16	-1,8	-1,7	6,5	3,7	Agricultural	325	-3,3	3,0	1,2
EUR/CHF	1,08	0,1	0,5	-0,5	-0,5	Energy	230	-2,1	-9,1	-50,2
EUR/GBP	0,91	-0,5	1,9	3,0	7,9	West Texas Oil (\$)	40	-2,5	-7,6	-28,9
EUR/JPY	122,88	-0,8	-2,0	4,3	1,0	Crude brent Oil (\$)	41	-2,9	-9,1	-33,8
EUR/NOK	11,14	3,4	5,9	12,3	13,1	Industrial Metals	1212	-3,8	-2,4	1,5
EUR/SEK	10,62	2,3	2,9	-0,5	1,1	Precious Metals	2147	-6,0	-5,7	20,5
EUR/AUD	1,65	1,9	1,1	2,3	3,6	Gold (\$)	1862	-4,6	-4,8	23,7
EUR/CAD	1,56	-0,4	0,1	7,5	6,9	Silver (\$)	23	-14,5	-16,8	28,4
USD-based cross rates						Baltic Dry Index	1667	28,6	10,5	-15,1
USD/CAD	1,34	1,4	1,8	0,9	3,0	Baltic Dirty Tanker Index	434	-1,6	-8,2	-50,5
USD/AUD	1,42	3,7	2,9	-4,0	-0,2					
USD/JPY	105,58	1,0	-0,4	-2,1	-2,8					

Source: Bloomberg, as of September 25<sup>th</sup>, S&P/Goldman Sachs Indices for Agricultural, Energy, Industrial & Precious Metals, BofA/ML Indices for Corporate Bond Spreads

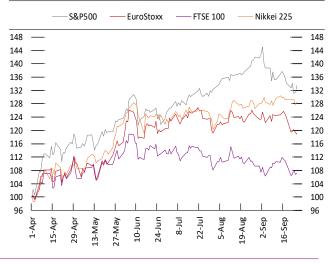
#### Global Cross Asset ETFs: Flows as % of AUM



Source: Bloomberg, NBG estimates, Cumulative flows since January 2014, AUM stands for Assets Under Management, Data as of September 25<sup>th</sup>

Equity Market Performance - G4

Russell 2000 Value & Growth Index



Source: Bloomberg - Data as of September 25th – Rebased @ 100

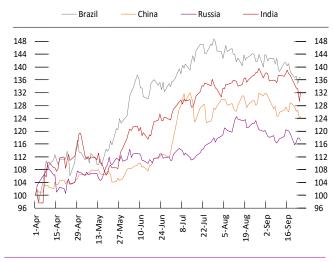
Value/Growth Relative Performance during the previous 6 months (right) Russell 2000 Value (left) Russell 2000 Growth (left) 1700 4 1600 2 1500 0 1400 -2 1300 -4 1200 -6 1100 -8 1000 -10 900 -12 800 -14 700 600 -16 1-Apr 22-Jul 5-Aug 29-Apr 13-May 10-Jun 24-Jun 19-Aug 2-Sep 16-Sep 15-Apr 27-May 8-Jul

Equity ETFs: Flows as % of AUM



Source: Bloomberg, NBG estimates, Cumulative flows since January 2014, AUM stands for Assets Under Management, Data as of September 25<sup>th</sup>

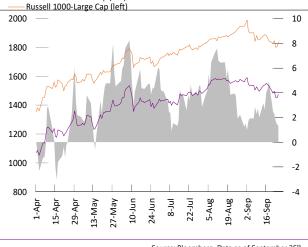
#### Equity Market Performance - BRICs



Source: Bloomberg - Data as of September 25th – Rebased @ 100

#### Russell 2000 & Russell 1000 Index

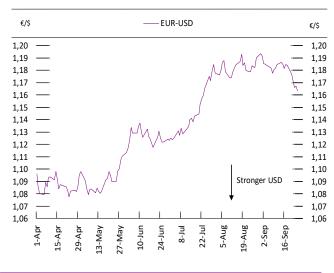
Small Cap/Large Cap Relative Performance during the previous 6 months (right) — Russell 2000-Small cap (left) Russell 42000-small cap (left)



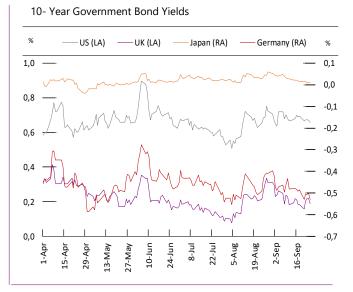
Source: Bloomberg, Data as of September 25th

Source: Bloomberg, Data as of September 25th

#### EUR/USD

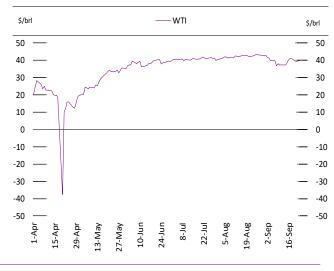


Source: Bloomberg, Data as of September 25<sup>th</sup>

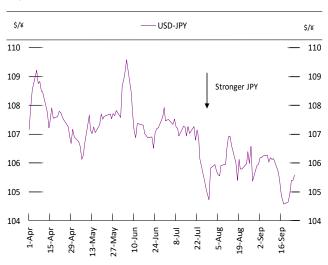


Source: Bloomberg - Data as of September 25<sup>th</sup> LA:Left Axis RA:Right Axis

#### West Texas Intermediate (\$/brl)



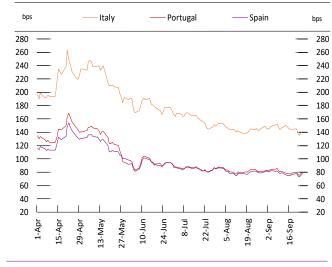
Source: Bloomberg, Data as of September  $\mathbf{25}^{th}$ 





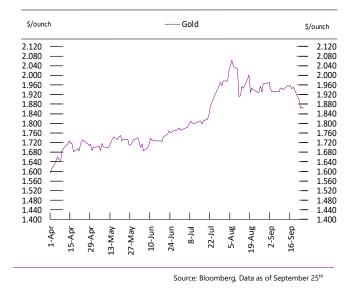
#### 10- Year Government Bond Spreads

JPY/USD



Source: Bloomberg - Data as of September 25th

## Gold (\$/ounch)



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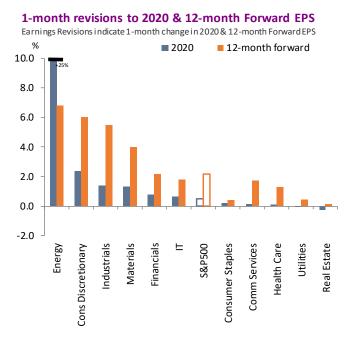
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# **US Sectors Valuation**

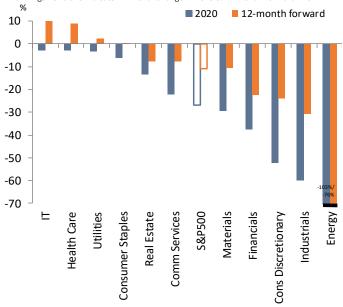
		Price (\$)		EPS Gro	wth (%)	Dividend	Yield (%)		P/	'E Ratio		P/BV Ratio			
	25/9/20	% Weekly Change	%YTD	2019	2020	2019	2020	2019	2020	12m fwd	10Yr Avg	2019	2020	12m fwd	10Yr Avg
S&P500	3298	-0.6	2.1	1.2	-18.4	1.8	1.7	20.3	25.2	21.4	15.6	3.7	3.7	3.5	2.6
Energy	229	-8.6	-49.8	-29.0	N/A	3.8	7.4	21.8	N/A	N/A	13.0	1.6	1.0	1.0	1.7
Materials	393	-4.6	1.8	-15.6	-16.3	2.1	2.1	20.2	25.3	21.0	15.1	2.4	2.6	2.6	2.5
Financials															
<b>Diversified Financials</b>	679	-2.9	-8.6	1.6	-22.8	1.4	1.7	16.2	19.0	16.2	14.0	1.9	1.6	1.5	1.5
Banks	233	-6.2	-38.7	9.0	-50.5	2.6	4.1	12.3	15.5	11.8	10.9	1.4	0.8	0.8	1.0
Insurance	356	-4.0	-19.2	15.8	-5.9	2.2	2.9	13.4	11.5	10.5	10.9	1.5	1.2	1.1	1.1
Real Estate	215	-2.1	-10.4	1.9	-8.4	3.1	3.2	21.0	20.5	19.6	18.2	3.7	3.2	3.3	3.1
Industrials															
Capital Goods	638	-3.7	-12.2	-7.2	-28.3	1.8	2.0	21.2	25.6	20.5	15.9	5.5	4.2	4.0	3.5
Transportation	859	-0.4	9.6	6.5	N/A	1.9	1.6	14.7	N/A	N/A	9.9	4.3	5.5	5.4	3.5
Commercial Services	374	-0.4	8.2	12.8	-3.7	1.3	1.2	28.5	31.0	28.8	20.5	6.0	5.7	5.5	3.6
Consumer Discretionary															
Retailing	3329	1.9	35.9	4.4	-3.4	0.7	0.5	33.9	47.2	39.2	23.3	13.8	14.5	12.6	7.1
Consumer Services	1140	-0.9	-12.4	5.0	N/A	2.1	1.7	24.2	N/A	N/A	22.2	16.5	31.9	55.5	8.2
Consumer Durables	385	2.2	3.5	-0.4	-17.2	1.5	1.4	19.7	24.9	20.6	17.1	4.1	4.1	3.8	3.2
Automobiles and parts	94	-7.1	-21.1	-16.8	N/A	4.2	1.4	8.5	N/A	N/A	7.6	1.3	1.2	1.1	1.6
IT															
Technology	2112	3.5	32.5	2.6	3.7	1.3	1.1	21.6	26.6	24.1	13.1	9.7	13.7	14.7	4.2
Software & Services	2801	1.4	21.9	11.4	7.9	0.9	0.9	29.5	32.3	29.5	18.2	7.9	9.2	8.4	5.4
Semiconductors	1488	2.0	19.8	-12.3	7.4	1.8	1.6	18.9	21.0	19.1	14.2	5.6	5.9	5.5	3.2
Communication Services	192	-0.4	5.9	3.0	-11.9	1.2	1.1	21.8	25.4	22.3	17.8	3.5	3.4	3.2	2.9
Media	725	-0.1	11.2	3.8	-11.2	0.4	0.3	27.4	33.0	27.2	20.7	4.2	4.2	3.9	3.3
Consumer Staples										_					
Food & Staples Retailing	524	0.5	5.3	2.9	-2.0	1.7	1.6	21.5	23.5	22.8	16.6	4.6	4.8	4.5	3.2
Food Beverage & Tobacco	664	-1.4	-7.1	-1.7	-2.1	3.3	3.6	19.7	18.7	17.7	17.7	5.3	5.0	4.7	4.9
Household Goods	822	0.5	10.6	6.4	8.3	2.3	2.1	26.0	26.6	25.4	19.8	9.5	10.1	9.9	5.6
Health Care															
Pharmaceuticals	1005	-1.8	1.9	10.8	7.5	2.1	2.3	16.2	15.2	14.2	14.7	6.3	5.2	4.8	3.9
Healthcare Equipment	1379	-2.2	0.1	9.9	-1.2	1.0	1.1	20.7	20.7	18.5	15.7	3.8	3.3	3.1	2.7
Utilities	299	1.2	-9.1	4.9	1.5	3.1	3.5	20.7	18.6	17.9	16.1	2.2	1.9	1.9	1.7

Source Factset, 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 for a value less than -1standard devation from average.



12-month revisions to 2020 & 12-month Forward EPS

Earnings Revisions indicate 12-month change in 2020 & 12-month Forward EPS



Source: Factset, Data as of September 25<sup>th</sup> 12-month forward EPS are 26% of 2020 EPS and 70% of 2021 EPS

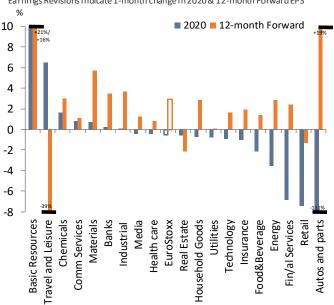
#### Source: Factset, Data as of September 25th

12-month forward EPS are 26% of 2020 EPS and 70% of 2021 EPS National Bank of Greece | Economic Research Division | Global Markets Analysis

# **Euro Area Sectors Valuation**

		Price (€)			owth (%)	Dividend	Dividend Yield (%)			P/E Ratio			P/BV Ratio			
	25/9/20	% Weekly Chan	ige %YTD	2019	2020	2019	2020	2019	2020	12m fwd	10Yr Avg	2019	2020	12m fwd	10Yr Avg	
EuroStoxx	347	-4.2	-14.0	2.2	-41.7	3.0	2.6	16.8	24.5	18.3	13.5	1.7	1.5	1.5	1.4	
Energy	199	-8.0	-39.4	-10.1	-72.1	5.0	6.6	13.7	29.3	17.0	11.9	1.3	1.0	1.0	1.1	
Materials	387	-5.3	-20.7	12.5	-41.5	3.1	3.0	15.4	21.0	15.4	14.2	1.8	1.5	1.4	1.4	
Basic Resources	157	-8.4	-22.9	-60.5	N/A	3.1	2.2	20.8	N/A	N/A	9.3	0.9	0.8	0.8	0.9	
Chemicals	1151	-4.9	-2.1	-13.5	-18.5	2.7	2.7	21.6	26.3	22.5	15.5	2.1	2.1	2.1	2.2	
Financials																
Fin/al Services	461	-2.9	-8.5	23.8	-36.4	2.6	2.6	15.0	21.2	16.4	13.8	1.6	1.2	1.1	1.2	
Banks	53	-9.6	-45.2	-1.1	-58.7	5.7	3.9	9.2	12.1	9.0	9.5	0.6	0.4	0.3	0.7	
Insurance	218	-8.0	-28.0	12.3	-21.8	4.8	6.6	11.0	10.0	8.3	9.3	1.0	0.7	0.7	0.9	
Real Estate	192	-5.1	-22.2	0.2	-6.9	4.2	4.5	19.1	16.0	15.5	17.0	1.0	0.8	0.8	1.0	
Industrial	825	-4.5	-12.2	12.0	-47.7	2.4	1.8	20.2	33.5	23.5	15.6	3.2	2.7	2.6	2.4	
Consumer Discretionary																
Media	196	-1.1	-12.5	4.1	-20.6	2.6	2.5	17.9	19.5	17.3	15.5	2.5	2.2	2.1	1.8	
Retail	607	-4.0	1.0	4.9	-39.5	2.6	1.8	26.0	43.3	31.0	21.9	6.7	5.8	5.4	4.2	
Automobiles and parts	398	-3.8	-18.1	-12.2	N/A	3.7	1.5	8.7	N/A	N/A	11.4	0.9	0.8	0.7	1.0	
Travel and Leisure	170	-1.8	-20.6	-10.1	N/A	2.2	0.4	16.8	N/A	N/A	13.7	2.0	1.8	1.8	2.0	
Technology	651	-3.0	7.5	2.1	-11.1	1.1	0.8	27.9	32.5	26.9	18.8	4.8	4.4	4.1	3.3	
Communication Services	237	-4.2	-18.0	-9.6	-2.4	4.0	4.5	18.0	14.9	13.9	14.7	1.8	1.4	1.4	1.8	
Consumer Staples																
Food&Beverage	456	-4.9	-23.7	16.8	-37.2	2.1	2.1	20.6	24.8	20.4	18.8	2.7	2.0	1.9	2.6	
Household Goods	1059	-1.7	-1.1	6.4	-29.1	1.6	1.3	29.9	40.9	32.6	21.7	6.1	5.5	5.2	3.9	
Health care	820	-2.5	-5.8	7.0	-8.2	2.1	2.1	20.2	20.1	18.1	15.6	2.4	2.2	2.1	2.2	
Utilities	341	-1.2	-1.6	57.7	-4.0	4.5	4.6	16.2	16.3	15.0	12.8	1.6	1.4	1.4	1.1	

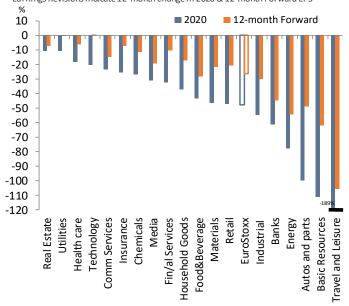
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# 1-month revisions to 2020 & 12-month Forward EPS Earnings Revisions indicate 1-month change in 2020 & 12-month Forward EPS

# 12-month revisions to 2020 & 12-month Forward EPS

Earnings Revisions indicate 12-month change in 2020 & 12-month Forward EPS



Source: Factset, Data as of September 25<sup>th</sup> 12-month forward EPS are 26% of 2020 EPS and 70% of 2021 EPS

#### Source: Factset, Data as of September 25th

12-month forward EPS are 26% of 2020 EPS and 70% of 2021 EPS National Bank of Greece | Economic Research Division | Global Markets Analysis



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