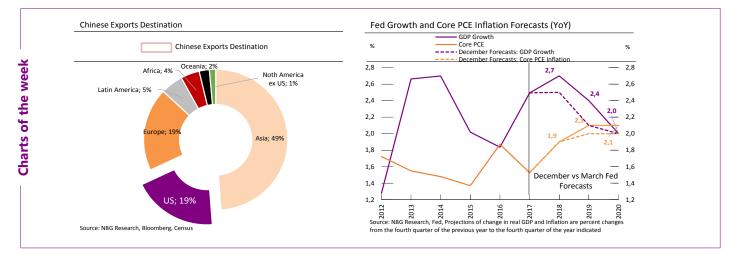
# Global Markets Roundup

National Bank of Greece | Economic Research Division | March 27, 2018

Investors' risk appetite dampened due to US-China trade concerns and US equity markets' IT jitters

- Economic brinkmanship intensified on Thursday (22<sup>nd</sup> March), following the findings of the US Trade Representative's investigation against China under Section 301. The US intends to impose tariffs of 25% on a variety of goods in order to reduce Chinese imports by \$50bn annually (currently: \$500bn | trade deficit: \$380 bn or 2% of US GDP). A list of targeted products will be announced within the next two months.
- Furthermore, the US will restrict Chinese inbound investment in technology and initiate a dispute regarding China's discriminatory technology licensing practices in the World Trade Organization (WTO). In response, on 23<sup>rd</sup> March, China announced a list of 128 US products to potentially face higher tariffs, albeit with a negligible import value of just \$3 bn (or 1.9% of total Chinese imports from the US), in order to indicate its readiness to retaliate, but also its preference for negotiations.
- Meanwhile, the placement of J. Bolton as US national security adviser, who, in the past, has often expressed a highly aggressive stance against N. Korea and Iran, could result in an increase in geopolitical tensions.
- On a more conciliatory note, following the recent tariffs on imports of steel (25%) & aluminum (10%) that took effect from March 23<sup>rd</sup>, the US announced the temporary exemption of more countries (up to May 1<sup>st</sup> 2018). As a result, these countries now represent 63% of US steel imports and 52% of US aluminum imports.
- The Fed raised the target for the federal funds rate by 25 bps, to 1.50%-1.75%, as expected, upgrading the economic outlook (higher GDP, lower unemployment rate forecasts) compared with December, mainly on the back of fiscal stimulus (see Economics). The Fed still expects two additional rate hikes in 2018 to 2.25%, while the projected path for 2019/2020 steepened (3.4% by end-2020 versus 3.0% in December).
- Global markets had a poor week. The S&P 500 index was down by 6.0% wow (albeit recovered by +2.7% on Monday 26<sup>th</sup>), with IT underperforming (-7.9% wow | +5.6% ytd including Monday). Personal data security concerns due to the possible misuse of Facebook data (-13.9% wow) by Cambridge Analytica was another cause for concern: 60% of the S&P500 IT sector's revenue stems from abroad and supply chains are concentrated heavily in EM Asia.
- Regionally, exporter-heavy equity markets were down substantially, with Japan's Nikkei225 declining by 4.9% wow (-9.4% ytd) and Germany's DAX30 by 4.1% wow (-8.0% ytd). Japanese equities have been hurt by a stronger Yen (+1.2% wow versus the US Dollar, to ¥104.73, the highest since November 2016). German equities also fell on the back of weaker-than-expected PMI's, as they suggest a moderation to euro area growth momentum (see Economics).
- Core government bond yields were down slightly, with the exception of UK Gilts, due to increasing expectations that the Bank of England will raise rates by 25 bps to 0.75% in May (2Yr: +9 bps, to 0.89%). High yield corporate bonds spreads widened significantly, by 14 bps to 374 bps in the US and their euro area counterparts by 17 bps to 306 bps. The US Dollar lost ground, down by 0.5% wow in NEER terms.



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

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

Lazaros Ioannidis 210-3341553 ioannidis.lazaros@nbg.gr

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

#### Table of Contents

Overview\_p1 Economics & Markets\_p2,3 Asset Allocation\_p4 Outlook\_p5,6 Forecasts\_p7 Event Calendar\_p8 Markets Monitor\_p9 ChartRoom\_p10,11 Market Valuation\_p12,13



# The Fed raised rates and macroeconomic forecasts were revised up

- The Fed increased the target for the federal funds rate by 25 bps to 1.50% - 1.75%, while the outlook for the economy was stronger compared with December, mainly on the back of further fiscal stimulus (increase in federal spending announced in February). The FOMC members continue to characterize the risks to the outlook as "roughly balanced". Indeed, the median estimate for 2018 GDP growth (Q4 YoY) was revised up by 0.2 pps to 2.5% for 2018, by 0.3 pps to 2.4% for 2019, but was maintained unchanged at 2.0% for 2020. Apparently, FOMC members expect that the positive effects from the recent fiscal stimulus will have run their course by then. The overall stronger growth outlook also translated into lower estimates for the unemployment rate -expected at 3.8% in 2018 (Q4 average / -0.1 pp compared with December) and at 3.6% in 2019 and 2020 (-0.4 pps compared with December), significantly below the Committee's estimated level of NAIRU (-0.1 pp at 4.5%). Regarding inflation, there was no meaningful revision -- a 0.1 pp increase for 2019 and 2020 (Q4 YoY average) core PCE, to 2.1% yoy. Headline PCE for 2020 was also revised up by 0.1 pp to 2.1% yoy. Notably, this is the first time the Committee has anticipated an overshooting of its 2.0% you inflation target, albeit the Fed's target has a symmetric tolerance range around it (a point that Fed Chair Powell highlighted in the press conference).
- In the aforementioned context, the expectations for monetary policy were tightened. For 2018, several FOMC members' estimates moved up, albeit not enough for the median projection to change. As a result, the latter continued to point to 2.25% by end-2018, thus implying two more hikes of 25 bps each by endyear. Nevertheless, the prospect of an upgrade for the median estimate for end-2018 later in the year (perhaps in June) gained some ground. Moreover, FOMC members now see the federal funds rate at 3.0% by end-2019 (compared with 2.75% in the December projections) and at 3.5% by end-2020 (compared with 3.0% in December), while the longer-term estimate now stands at 3.0% (2.75% in December). Nonetheless, Fed Chair Powell cautioned not to put too much weight on these changes to FOMC members' projections, emphasizing the Fed's data dependency and that these estimates can be revised later, in either direction, in tandem with the evolution of economic forecasts.

# Euro area business confidence surprised on the downside in March

• Business surveys weakened substantially for a 2<sup>nd</sup> consecutive month in March. The euro area composite PMI was 55.3 in March (14-months low), compared with 57.1 in February and a 12-year high of 58.8 in January (consensus: 56.8), with a slowdown in both the services sector (-1.2 pts to 55.0) and the manufacturing sector (-2.0 pts to 58.5). Notably, the new export orders component declined by 2.6 pts to a 16-month low of 55.4, implying possible negative effects from the strong euro (+6.7% yoy in NEER terms) to the demand for euro area exports. It should also be noted, however, that overall in Q1:18, the composite PMI stood at a still strong 57.1 on average (57.2 on average in Q4:17), consistent with GDP growth of 2.5% - 3.0% qoq saar in Q1:18 (2.4% qoq saar in Q4:17). However, the

recent data suggest that business sentiment indicators likely overstated the underlying growth momentum and probably reached a plateau at the start of the year. Consumer confidence was stable at +0.1 in March, remaining well above its long-term average (-12.5 since 2001).

#### **UK inflation decelerates**

- CPI growth slowed by 0.3 pps to 2.7% yoy in February, below estimates from both consensus (2.8% yoy) and the Bank of England (2.9% yoy / February Inflation Report). Core CPI (excluding food and energy) growth also declined substantially in February, by 0.3 pps, to 2.4% yoy (consensus: 2.5% yoy). Overall, latest data support the Bank of England's (BoE) expectation that inflation will slow, close to the target of 2.0% yoy amid measured interest rate hikes. At the same time, previous upward pressures on inflation from a weaker Sterling should dissipate (-15.2% in NEER terms from the Brexit referendum on June 23<sup>rd</sup> 2016 up to late-August 2017 and +7.3% since late-August 2017).
- The latest labor market data support the view that underlying domestic price pressures are building, thus working against, the above-described anticipated slowdown in CPI. Indeed, wage growth accelerated to 2.8% yoy in January, compared with an upwardly revised (by 0.2 pps), +2.7% yoy in December 2017 and 2.3% yoy on average in 2017, while, excluding bonus payments, it accelerated by 0.2 pps to 2.5% yoy (+2.1% yoy on average in 2017). The firm labor market conditions argue in favor of further gains in wages (the unemployment rate declined by 0.1 pp to a 43-year low of 4.3% in January). Taken together, these developments suggest that the decline in households' real incomes, evident throughout 2017 (CPI averaged +2.7% yoy in 2017, thus meaningfully above the aforementioned respective trend in wages), that has taken a considerable toll on private consumption (+1.3% qoq saar on average in 2017), may be coming to an end.

#### Chinese housing market rebalancing continues

House prices in large cities posted further stabilization in February, while prices in smaller cities increased. Overall, 63% of cities monitored by China's National Bureau of Statistics (NBS) reported a monthly increase in prices of new residential buildings, compared with 74% of cities in January. Annual growth stood at 5.8% yoy, on average, compared with 5.4% yoy in January and +8.5% yoy, on average, in 2017. Prices in large cities were little changed in February, at -0.2% mom and consistently hovering in the range of -0.2% mom to +0.3% mom since November 2016 (monthly growth weighted by city population in the 15 large cities that the NBS has chosen to track the impact of the tightening measures). On an annual basis, prices were flat compared with -0.4% yoy in January. Recall that the authorities' policy approach for the sector is two-pronged and region-specific, so as to address potential asset bubbles in the cities that have witnessed the most profound overheating (mostly large cities), while continuing to encourage sales in those (mostly smaller) cities facing a high stock of unsold properties (e.g. cities should reduce land supply if housing inventory is high and vice versa). Regarding the latter, the annual pace of growth in the remaining 55 cities stood at +8.4% yoy (+8.2% yoy previously).





## **Equities**

• Global equity markets recorded sharp losses in the past week, due to fears of a trade war. Overall, the MSCI World index was down by 4.4% wow, returning to negative territory ytd (-2.7%), with both emerging and developed markets recording substantial losses (EM: -3.4%, DM: -4.6%). The S&P500 was down by 6.0% wow (-3.2% ytd), the largest weekly decline since January 2016, with the IT sector leading the decrease (-7.9% wow), following a sharp fall in Facebook shares (-13.9% wow | -9.7% ytd), after reports of data misuse. Moreover, volatility rose by 9pps wow to 24.9%, the highest level since February 13<sup>th</sup>. European markets weakened after softer-than-expected PMI data, with the EuroStoxx down by 3.4% wow and DAX 30 by -4.1% wow. The Nikkei225 underperformed (-4.9% wow), as the stronger Yen and trade-related uncertainty have taken their toll. However, on Monday Japanese equities partly reversed their weekly declines and rose by 0.7%. Finally, onshore (CSI 300: -3.7% wow) and offshore (Shanghai Class B Shares: -3.3% wow) Chinese equities recorded considerable losses in the past week.

### **Fixed Income**

Government bond yields in major advanced economies were down in the past week (ex UK), mainly due to growth concerns after weaker-thanexpected PMI data. Specifically, the US 10Yr Treasury yield declined by 3 bps in the past week to 2.81%, while its short-term counterparts were down by 4 bps to 2.26%, with the yield curve (10-2 year spread), close to its flattest in a decade (56 bps). In contrast, the UK 10Yr Gilt yield rose by 2 bps to 1.45%, and the 2Yr Gilt yield by 9 bps to 0.89%, as strong wage data raised expectations for a rate hike from the Bank of England in May. Note that the Spanish 10-Year Yield declined to its lowest level since November 2016 (1.27%) on Friday, as the country's credit rating was raised one notch to A- from BBB+ from Standard & Poor's, with a positive outlook (Moody's: Aa2, Fitch: A-), due to an improving economic and fiscal outlook. Corporate bond spreads widened in the past week, due to higher risk aversion, following a slightly hawkish Fed decision, softer global growth data, and the threat of an escalating trade war between the US and **China.** Specifically, US HY spreads increased by 14 bps to 374 bps and their euro area counterparts by 17 bps to 306 bps. In the investment grade spectrum, spreads were up by 5 bps to 115 bps in the US and by 7 bps to 96 bps in the euro area. Overall, USD IG bonds have been the weakest performing US asset ytd in total return terms (-2.8%). High duration (7 Years) during a rising rate environment and the persistence of strong IG corporate bond supply ytd have negatively affected IG returns.

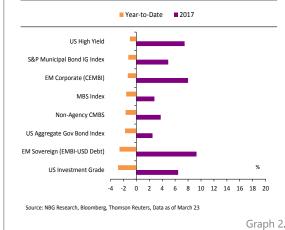
#### FX and Commodities

In foreign exchange markets, the British Pound was up in the past week, following progress on Brexit negotiations, as the European Council Summit on March 22–23 reached a preliminary agreement regarding the Brexit transition period (March 2019 to December 2020) and signalled the commencement of negotiations for the future relationship between the EU/UK. Stronger-than-expected wage data were also supportive. Indeed, the British Pound rose by 1.3% wow against the US Dollar to \$1.413 and by 0.9% wow against the euro to €/0.874. The Japanese Yen appreciated in the past week, due to increased safe haven demand. Specifically, the Yen rose by 0.7% wow against the euro to ¥129.40 and by 1.2% wow against the US dollar to ¥104.73.

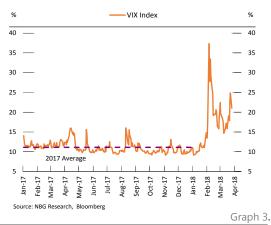
In commodities, oil prices rose, on a weekly basis, due to strong compliance to OPEC production cuts by OPEC and non-OPEC countries in February, an unexpected decline in oil inventories and persistent concerns over the Iran nuclear deal. Specifically, US oil inventories declined by 2.6 million barrels to 428 million barrels for the week ending March 16<sup>th</sup>. Overall, Brent rose by 6.7% wow to \$69.9/barrel and the WTI by 5.6% wow to \$65.8/barrel, a three-year high.



Total Returns Assets Class Performance in 2017 & Year-to-Date



#### Cboe S&P500 Volatility Index (VIX)



Quote of the week: "On tariffs... a number of FOMC participants reported, that trade policy has become a concern going forward for that group (Business Leaders)", **Fed Chair, Jerome Powell,** March 22<sup>nd</sup> 2018.

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**Total Portfolio Allocation** 

# Tactical Asset Allocation (3-month)

- Equities: We turn Neutral following our O/W stance since December 2016. Global GDP growth and corporate earnings are strong, albeit offset by trading concerns and the anticipating peak of central bank (C/B) liquidity. Volatility in returns will prevail in the rest of 2018 resulting in lower risk-adjusted returns. US tax-reform may support equities albeit we closed our O/W locking in gains. O/W Euro area and US financials due to higher yields, steeper curves and still favorable relative valuations.
- Government Bonds: Higher yields due to less aggressive C/Bs, reduced liquidity and stronger inflation data, albeit safe haven demand could support prices near-term. Underweight Govies. Steeper curves, particularly in Bunds.
- **Credit**: Credit spreads have less fuel to run. **Underweight position in credit** with a preference for banks.
- **Cash: OW position**, as a hedge, as well as a way of being tactical. 2018 is less likely to be as "risk on" as 2017.

# **NBG Global Markets - Main Equity Sector Calls**

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US Sector	Position	View/Comment
Banks	ow	Rising rates from low levels and low deposit betas will support interest margins. Less regulation also positive. Valuations (relative to the market) still attractive.
Energy	Neutral	OPEC's deal extension until end of 2018 has supported oil prices. However, US oil production is increasing (at 2015 high levels) and expected RoE for Energy firms remains low. Light positioning and sizeable underperformance (2017) may present a buying opportunity. Oil backwardation a positive for the sector.
Defensives/ Cyclicals	Neutral	We turn Neutral Defensives amid elevated volatility and favorable relative valuations. Underweight Consumer Discretionary (Cyclicals) as the sector is a major underperfomer during Fed hiking cycles and has high wage expenses.

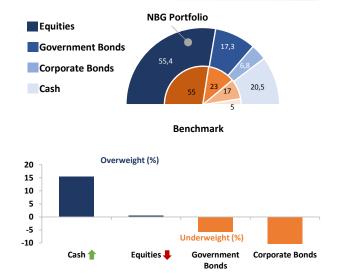
EA Sector	Position	View/Comment
Banks	ow	Steeper curves and attractive valuations on P/B terms should offset bouts of volatility. Private sector loan growth is increasing and EPS Revisions remain strong.
Energy	Neutral	OPEC's deal extension until end of 2018 has supported oil prices. However, US oil production is increasing (at 2015 high levels) and expected RoE for Energy firms remains low. Light positioning and sizeable underperformance (2017) may present a buying opportunity, thus we upgrade to neutral our position.
Defensives/ Cyclicals	Neutral	We turn Neutral Defensives amid elevated volatility and favorable relative valuations. Underweight Consumer Discretionary (Cyclicals) as the sector is a major underperfomer during Fed hiking cycles and has high wage expenses.

\*Including Technology and Industrials

\*\*Including Healthcare, Utilities, Telecoms

Notes:

- (1) The orange inner half-circle of the chart displays asset class weights for the benchmark portfolio. The blue-color representation (outside half-circle) shows asset class weights for the model portfolio.
- (2) All figures shown are in percentage points.
- (3) OW/UW: Overweight/Underweight relative to Benchmark.
- (4) Green (red) color arrows suggest an increase (decrease) in relative asset class weights (portfolio vs benchmark) over the last week.



## **Detailed Portfolio Breakdown**

Equities	Portfolio	Benchmark	OW/UW
US	52	52	-
Euro area	10	10	-
UK	7	7	-
Rest of Dev. Europe	5	5	-
Japan	7	7	-
Rest of Dev. World	8	8	-
Emerging Markets	11	11	-
EM Asia	64	64	-
EM Latin America	18	18	-
EMEA	18	18	-

Government Bonds	Portfolio	Benchmark	OW/UW
US	49	46	3 <i>,</i> 0
US TIPS	6	6	-
Germany	12	15	-3,0
UK	7	7	-
Japan	26	26	

Corporate Bonds	Portfolio	Benchmark	OW/UW
US Industrials	22	32	-10,0
US Banks	22	12	10,0
US High Yield	12	12	-
EUR Industrials	5	9	-4,5
EUR Banks	14	9	4,5
EUR High Yield	4	4	-
UK Industrials	2	3	-1,5
UK Banks	5	3	1,5
Emerging Markets	16	16	-



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- Likely fiscal loosening will support the economy & companies' earnings
- Solid EPS growth in H2:2017
   & 2018
- Cash-rich corporates will lead to share buybacks and higher dividends (deequitization)
- Demanding valuations

**Equity Markets** 

**Government Bonds** 

Foreign Exchange

- Peaking profit margins
- Protectionism and trade wars
- Aggressive Fed in 2018
   Neutral/Positive
- Valuations appear rich with term-premium close to 0%
- Underlying inflation pressures
- The Fed is expected to increase its policy rate towards 1.5% by end-2017 and 2%-2.25% by end-2018
   Balance sheet reduction.
- Balance sheet reduction, albeit well telegraphed may push term premia higher
- Global search for yield by non-US investors continues
   Safe haven demand
- Higher yields expected
- The Fed is expected to increase its policy rate towards 1.5% in 2017 and 2%-2.25% by end-2018
- Tax cuts may boost growth, and interest rates through a more aggressive Fed
- Mid-2014 rally probably out of steam
- Protectionism and trade
   Wars
- Long USD against its major counterparts ex-EUR

#### **Euro Area**

- Still high equity risk premium, albeit declining
- Credit conditions gradual
- turn more favorable Small fiscal loosening
- EPS estimates may turn pessimistic due to higher EUR and plateuning economic growth
- Strong Euro in NEER terms (2017 vs 2016)
- Political uncertainty (Spain, Italy) could re-emerge
- Neutral
- Upside risk in US benchmark yields
- Valuations appear excessive compared with long-term fundamentals
- Political Risk
- Fragile growth outlook
  - Medium-term inflation expectations remain low
  - Only slow ECB exit from accommodative monetary policy

#### Higher yields expected

- Reduced short-term tail risks
- Higher core bond yields
- Current account surplus
- Sluggish growth
- Deflation concerns
   The ECB's monetary policy to remain extra loose (Targeted-LTROs, ABSs, covered bank bond purchases, Quantitative Easing)
- Broadly Flat EUR against the USD with upside risks towards \$1.20

- Japan
- Still aggressive QE and "yieldcurve" targeting by the BoJ
- Upward revisions in corporate earnings
- Strong domestic recovery in H1:2017 will continue
- Signs of policy fatigue regarding structural reforms and fiscal discipline
- Strong appetite for foreign assets
- If sustained, JPY appreciation hurts exporters companies
- Neutral
- Sizeable fiscal deficits
   Restructuring efforts to be financed by fiscal
- policy measuresSafe haven demand
- Extremely dovish central bank
- Yield-targeting of 10-Year JGB at around 0%

- Stable yields expected
- Safe haven demand
- More balanced economic growth recovery (longterm)
- Inflation is bottoming out
- Additional Quantitative Easing by the Bank of Japan if inflation does not approach 2%

Lower JPY against the USD

- UK
- 65% of FTSE100 revenues from abroad
- Undemanding valuations in relative terms
- High UK exposure to the commodities sector assuming the oil rally continues
- Elevated Policy uncertainty to remain due to the outcome of the Brexit negotiating process

#### Neutral/Negative

- Elevated Policy uncertainty to remain due to the outcome of the Referendum and the negotiating process
- Rich valuations
- Inflation overshooting due to GBP weakness feeds through inflation expectations
- The BoE is expected to increase policy rates to 0.50%
- Slowing economic growth post-Brexit
  - Higher yields expected
- Transitions phase negotiations
- The BoE to retain rates at current levels
- Slowing economic growth post-Brexit
- Sizeable Current account deficit (-5.5% of GDP)
- Elevated Policy uncertainty to remain due to the outcome of the Referendum and the negotiating process
- Flat GBP against the USD with upside risks short term



	Turkey	Romania	Bulgaria	Serbia
+	Attractive valuations Weak foreign investor appetite for emerging	<ul> <li>Attractive valuations</li> <li>Weak foreign investor appetite for emerging</li> </ul>	<ul> <li>Attractive valuations</li> <li>Low-yielding domestic debt and deposits</li> </ul>	<ul> <li>Attractive valuations</li> <li>Weak foreign investor appetite for emerging</li> </ul>
Equity Markets	market assets	market assets	<ul> <li>Weak foreign investor appetite for emerging market assets</li> </ul>	market assets
► Equit	Neutral/Positive stance on equities	Neutral/Positive Stance on equities	Neutral/Positive Stance on equities	Neutral/Positive Stance on equities
•	Low public debt-to-GDP ratio	<ul> <li>Low public debt-to-GDP ratio</li> </ul>	<ul> <li>Very low public debt-to- GDP ratio and large fiscal</li> </ul>	<ul> <li>Positive inflation outlook</li> <li>Precautionary Stand-By</li> </ul>
Jebt -	Loosening fiscal stance	<ul> <li>Easing fiscal stance</li> </ul>	reserves	Agreement with the IMF
Domestic Debt	Stubbornly high inflation	<ul> <li>Envisaged tightening in monetary policy</li> </ul>	<ul> <li>Low inflation</li> </ul>	<ul> <li>Large public sector borrowing requirements</li> </ul>
	Stable to lower yields	▼ Stable to higher yields	Stable to lower yields	Stable to lower yields
Foreign Debt	High foreign debt yields Sizeable external financing requirements Weak foreign investor appetite for emerging market assets	<ul> <li>Strong external position</li> <li>Large external financing requirements</li> </ul>	<ul> <li>Solidly-based currency board arrangement, with substantial buffers</li> <li>Current account surplus</li> <li>Large external financing requirements</li> <li>Heightened domestic political uncertainty</li> </ul>	<ul> <li>Ongoing EU membership negotiations</li> <li>Precautionary Stand-By Agreement with the IMF</li> <li>Sizable external financing requirements</li> <li>Slow progress in structural reforms</li> </ul>
	Stable to narrowing spreads	▲ Stable to narrowing spreads	▲ Stable to narrowing spreads	Stable to narrowing spreads
+	High domestic debt yields	<ul> <li>Strong external position</li> </ul>	<ul> <li>Currency board arrangement</li> </ul>	<ul> <li>Ongoing EU membership negotiations</li> </ul>
nge I	Sizable external financing requirements	<ul> <li>Large external financing requirements</li> </ul>	<ul> <li>Large foreign currency reserves and fiscal</li> </ul>	<ul> <li>Precautionary Stand-By Agreement with the IMF</li> </ul>
Excha I	Weak foreign investor appetite for emerging market assets		reserves <ul> <li>Current account surplus</li> </ul>	<ul> <li>Sizable external financing requirements</li> </ul>
Foreign Exchange	Increasing geopolitical risks and domestic political uncertainty		<ul> <li>Sizable external financing requirements</li> </ul>	
	ancortainty		<ul> <li>Heightened domestic political uncertainty</li> </ul>	
	Weaker to stable TRY against the EUR	Stable to stronger RON against the EUR	<ul> <li>Stable BGN against the EUR</li> </ul>	<ul> <li>Weaker to stable RSD against EUR</li> </ul>

#### Emerging Markets Research, Head: Dr. Michael Loufir, tel:210-3341211, email: mloufir@nbg.gr

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Interest Rates & Fo	reian Fxcł	nange Fore	ecasts —						
10-Yr Gov. Bond Yield (%)	Mar 23rd	3-month	6-month	12-month	Official Rate (%)	Mar 23rd	3-month	6-month	12-month
Germany	0,53	0,70	0,80	0,90	Euro area	0,00	0,00	0,00	0,00
US	2,81	2,80	2,90	3,10	US	1,75	1,75	2,00	2,25
UK	1,45	1,62	1,70	1,87	UK	0,50	0,65	0,65	0,85
Japan	0,02	0,05	0,06	0,16	Japan	-0,10	-0, 10	-0,10	-0, 10
Currency	Mar 23rd	3-month	6-month	12-month		Mar 23rd	3-month	6-month	12-month
EUR/USD	1,24	1,20	1,20	1,22	USD/JPY	105	109	109	107
EUR/GBP	0,87	0,88	0,88	0,89	GBP/USD	1,41	1,37	1,36	1,36
EUR/JPY	129	131	131	131					
Forecasts at end of period									

#### Economic Forecasts

United States	2015a	Q1:16a	Q2:16a	Q3:16a	Q4:16a	2016a	Q1:17a	Q2:17a	Q3:17a	Q4:17a	<b>2017</b> a
Real GDP Growth (YoY) (1)	2,8	1,4	1,2	1,5	1,8	1,5	2,0	2,2	2,3	2,5	2,3
Real GDP Growth (QoQ saar) (2)	-	0,6	2,2	2,8	1,8	-	1,2	3,1	3,2	2,5	-
Private Consumption	3,6	1,8	3,8	2,8	2,9	2,7	1,9	3,3	2,2	3,8	2,7
Government Consumption	1,4	1,8	-0,9	0,5	0,2	0,8	-0,6	-0,2	0,7	2,9	0,1
Investment	3,9	-0,2	1,4	1,5	1,7	0,7	8,1	3,2	2,4	8,1	4,0
Residential	10,2	13,4	-4,8	-4,5	7,1	5,5	11,1	-7,3	-4,7	13,1	1,8
Non-residential	2,3	-4,0	3,3	3,4	0,2	-0,6	7,1	6,7	4,7	6,6	4,7
Inventories Contribution	0,2	-0,7	-0,7	0,1	1,1	-0,4	-1,5	0,1	0,8	-0,7	-0,1
Net Exports Contribution	-0,7	-0,3	0,3	0,4	-1,7	-0,2	0,2	0,2	0,4	-1,3	-0,2
Exports	0,4	-2,6	2,8	6,4	-3,8	-0,3	7,3	3,5	2,1	7,1	3,4
Imports	5,0	-0,2	0,4	2,7	8,1	1,3	4,3	1,5	-0,7	14,0	3,9
Inflation (3)	0,1	1,1	1,0	1,1	1,8	1,3	2,5	1,9	1,9	2,1	2,1
Euro Area	2015a	Q1:16a	Q2:16a	Q3:16a	Q4:16a	2016a	Q1:17a	Q2:17a	Q3:17a	Q4:17a	<b>2017</b> a
Real GDP Growth (YoY)	2,0	1,7	1,7	1,7	2,0	1,8	2,1	2,4	2,7	2,7	2,3
Real GDP Growth (QoQ saar)	-	2,1	1,4	1,6	2,6	-	2,5	3,0	2,8	2,4	-
Private Consumption	1,8	3,0	1,2	1,3	2,2	1,9	1,9	2,1	1,4	0,7	1,7
Government Consumption	1,3	3,3	1,1	0,8	1,1	1,8	1,0	1,5	1,7	1,4	1,2
Investment	3,0	1,9	10,0	2,9	3,1	4,5	0,6	7,1	-1,0	3,6	3,1
Inventories Contribution	0,0	-0,8	-0,5	0,5	0,6	-0,1	-0,9	0,9	-0,2	-0,7	0,0
Net Exports Contribution	0,1	0,2	-0,9	-0,3	-0,1	-0,5	2,1	-0,9	2,1	1,7	0,6
Exports	6,1	1,7	5,5	1,5	6,7	3,4	5,2	4,7	6,6	7,8	5,3
Imports	6,5	1,4	8,2	2,5	7,5	4,8	0,8	7,2	2,4	4,4	4,3
Inflation	0.0	0,0	-0,1	0,3	0.7	0,2	1.8	1,5	1,4	1,4	1,5

to-year a

— South Eastern Eu	irope E	conon	nic Fo	recasts							
<b>Economic Indicators</b>	5						Stock Markets (in loo	al currenc	cy)		
Real GDP Growth (%)	2014	2015	2016	2017f	2018f	2019f	Country - Index	26/3/2018	Last week return (%)	Year-to-Date change (%)	2-year change (%)
Turkey	5,2	6,1	3,2	7,0	4,8	4,2	Turkey - ISE100	116.420	0,8	0,9	43,1
Romania	3,1	3,9	4,8	7,0	4,8	3,8	Romania - BET-BK	1.768	-0,8	7,0	39,5
Bulgaria	1,3	3,6	3,9	3,6	3,6	3,3	Bulgaria - SOFIX	654	-2,7	-3,5	47,2
Serbia	-1,8	0,8	2,8	1,9	3,6	3,6	Serbia - BELEX15	749	0,0	-1,5	23,0
Headline Inflation (eo			0.5	11.0	0.5		Financial Markets	26/3/2018	3-month forecast	6-month forecast	12-month forecast
Turkey	8,2	8,8	8,5	11,9	9,5	8,2		(0())			
Romania	0,8	-0,9	-0,5	3,5	3,8	3,4	1-m Money Market Rate			10.0	
Bulgaria	-0,9	-0,4	0,1	2,8	2,4	2,6	Turkey	13,6	13,5	13,0	12,5
Serbia	1,7	1,5	1,6	3,0	3,0	3,0	Romania	1,6	2,4	2,6	2,8
							Bulgaria	-0,1	0,1	0,1	0,2
Current Account Balan	<b>ce (% o</b> f	f GDP)					Serbia	2,7	2,9	3,1	3,5
Turkey	-4,7	-3,7	-3,8	-5,5	-4,8	-4,6	Currency				
Romania	-0,7	-1,2	-2,1	-3,4	-4,3	-4,6	TRY/EUR	4,94	4,88	4,94	5,00
Bulgaria	0,1	0,0	5,3	3,9	2,6	1,4	RON/EUR	4,65	4,63	4,62	4,60
Serbia	-6,0	-4,7	-3,1	-5,7	-4,9	-4,8	BGN/EUR	1,96	1,96	1,96	1,96
							RSD/EUR	118,6	118,6	118,6	118,5
Fiscal Balance (% of Gl	DP)						Sovereign Eurobond Sp	read (in bp	s)		
Turkey	-1,1	-1,0	-1,1	-1,5	-2,5	-2,5	Turkey (USD 2020)(*)	191	180	160	150
Romania	-1,7	-1,5	-2,4	-2,9	-4,0	-4,3	Romania (EUR 2024)	116	114	112	110
Bulgaria	-3,7	-2,8	1,6	0,9	-0,5	-0,3	Bulgaria (EUR 2022)	48	47	45	40
Serbia	-6,6	-3,7	-1,3	1,2	0,3	0,1	Serbia (USD 2021)(*)	139	132	128	120
f: NBG forecasts							(*) Spread over US Treasuries	5			

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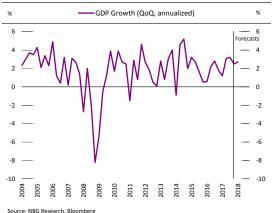
# **Economic Calendar**

The main macro event next week in the US is the third estimate for GDP in Q4:17, due on Wednesday. Real GDP growth is expected at +2.7% qoq saar, from +2.5% qoq saar in the previous estimate.

In the UK, the final estimate for Q4:17 GDP is released on Thurday, and is expected unchanged from the previous estimate at +0.4% qoq and +1.4% yoy (lowest since Q2:12.

In China, PMI data for March will offer a better insight on underlying growth momentum in Q1:18, after "hard" activity data exceeding consensus expectations in January - February.

US GDP Growth and Consensus Forecasts



- · · · ·	the period													
Tuesday 20					Wednesday 21					Thursday 22				
UK		S	<b>A</b>	P	US		S	A	P	US		S	<b>A</b>	P
CPI (YoY)	February		- 2.7%	3.0%	Existing home sales (mn)	February	5.40 +	5.54	5.38	Initial Jobless Claims (k)	March 17	225 •		226
CPI Core (YoY)	February	2.5%	- 2.4%	2.7%	Fed announces its intervention	March 21	1.75%	1.75%	1.50%	Continuing Claims (k)	March 10		1828	1885
EURO AREA					rate					Markit US Manufacturing PMI	March	55.5 -	55.7	55.3
Consumer Confidence Indicator GERMANY	March		+ 0.1	0.1	UK ILO Unemployment Rate	January	4.4% +	4.3%	4.4%	<b>UK</b> Retail sales Ex Auto (MoM)	February	0.4% +	0.6%	-0.2%
ZEW survey current situation	March	90.0	+ 90.7	92.3						BoE announces its intervention	March 22	0.5%	0.5%	0.5%
ZEW survey expectations	March	13.0	- 5.1	17.8						rate	IVIAI CIT 22	0.570	0.570	0.570
										BoE Asset Purchase Target (£bn)	March	435	435	435
										JAPAN				
										Nikkei PMI Manufacturing EURO AREA	March		53.2	54.1
										Markit Eurozone Manufacturing				
										PMI	March	58.1	56.6	58.6
Friday 23					Monday 26					ECB publishes its Economic				
US		S	Α	Р						bulletin				
Durable goods orders (MoM)	February		+ 3.1%	-3.5%						Markit Eurozone Services PMI	March	56.0	55.0	56.2
Durable goods orders ex										Markit Eurozone Composite PMI	March	56.8		57.1
transportation (MoM)	February	0.5%	+ 1.2%	-0.2%						GERMANY				
New home sales (k)	February	620	- 618	622						IFO- Business Climate Indicator	March	114.6 +	114.7	115.4
JAPAN	,									IFO-Expectations	March	104.4	104.4	105.4
CPI (YoY)	February	1.5%	1.5%	1.4%						IFO- Current Assesment	March	125.6 +		126.4
Core CPI (YoY) - ex. Fresh Food	February	1.0%	1.0%	0.9%						1				
Core CPI (YoY) - ex. Fresh Food	February	0.5%	0.5%	0.4%										
and Energy	repruary	0.3%	0.5%	0.4%						1				
Tuesday 27					Wednesday 28					Thursday 29				
US		s	Α	Р	US		s	Α	Р	US		s	Α	Р
S&P Case/Shiller house price			^		GDP (QoQ, annualized)	Q4:17 T	2.7%	<u>.</u>	2.5%	Personal income (MoM)	February	0.4%	^	0.4%
index 20 (YoY)	January			6.30%					2.570	r croonar mcome (mom)				0.2%
	January	6.10%		0.5070	Personal Consumption	04·17 T	3.8%		3.8%	Personal spending (MoM)		0.2%		
					Personal Consumption Pending home sales (MoM)	Q4:17 T February	3.8% 2.0%		3.8% -4 7%	Personal spending (MoM) PCE Deflator (YoY)	February	0.2% 1.7%		
Conference board consumer	March	131.0		130.8	Personal Consumption Pending home sales (MoM)	Q4:17 T February	3.8% 2.0%		3.8% -4.7%	PCE Deflator (YoY)	February February	1.7%		1.7%
Conference board consumer confidence										PCE Deflator (YoY) PCE Core Deflator (YoY)	February February February	1.7% 1.6%		1.7% 1.5%
Conference board consumer confidence EURO AREA	March	131.0		130.8						PCE Deflator (YoY) PCE Core Deflator (YoY) Initial Jobless Claims (k)	February February February March 24	1.7% 1.6% 230		1.7% 1.5% 229
Conference board consumer confidence <b>EURO AREA</b> M3 money supply (YoY)	March February	131.0 4.6%		130.8 4.6%						PCE Deflator (YoY) PCE Core Deflator (YoY) Initial Jobless Claims (k) Continuing Claims (k)	February February February	1.7% 1.6%		1.7% 1.5% 229
Conference board consumer confidence <b>EURO AREA</b> M3 money supply (YoY) Economic Confidence	March February March	131.0 4.6% 113.3		130.8 4.6% 114.1						PCE Deflator (YoY) PCE Core Deflator (YoY) Initial Jobless Claims (k) Continuing Claims (k) UK	February February February March 24 March 17	1.7% 1.6% 230 1865		1.7% 1.5% 229 1828
Conference board consumer confidence <b>EURO AREA</b> M3 money supply (YoY)	March February	131.0 4.6%		130.8 4.6%						PCE Deflator (YoY) PCE Core Deflator (YoY) Initial Jobless Claims (k) Continuing Claims (k) UK GDP (QoQ)	February February February March 24 March 17 Q4:17 F	1.7% 1.6% 230 1865 0.4%		1.7% 1.5% 229 1828 0.4%
Conference board consumer confidence <b>EURO AREA</b> M3 money supply (YoY) Economic Confidence	March February March	131.0 4.6% 113.3		130.8 4.6% 114.1						PCE Deflator (YoY) PCE Core Deflator (YoY) Initial Jobless Claims (k) Continuing Claims (k) UK	February February February March 24 March 17	1.7% 1.6% 230 1865		1.7% 1.5% 229 1828
Conference board consumer confidence <b>EURO AREA</b> M3 money supply (YoY) Economic Confidence	March February March	131.0 4.6% 113.3		130.8 4.6% 114.1						PCE Deflator (YoY) PCE Core Deflator (YoY) Initial Jobless Claims (k) Continuing Claims (k) UK GDP (QoQ) GDP (YoY) JAPAN	February February February March 24 March 17 Q4:17 F	1.7% 1.6% 230 1865 0.4%		1.7% 1.5% 229 1828
Conference board consumer confidence EURO AREA M3 money supply (YoY) Economic Confidence	March February March	131.0 4.6% 113.3		130.8 4.6% 114.1						PCE Deflator (YoY) PCE Core Deflator (YoY) Initial Jobless Claims (k) Continuing Claims (k) <b>UK</b> GDP (QoQ) GDP (YoY)	February February March 24 March 17 Q4:17 F Q4:17 F	1.7% 1.6% 230 1865 0.4% 1.4%		1.7% 1.5% 229 1828 0.4% 1.4%
Conference board consumer confidence EURO AREA M3 money supply (YoY) Economic Confidence	March February March	131.0 4.6% 113.3		130.8 4.6% 114.1						PCE Deflator (YoY) PCE Core Deflator (YoY) Initial Jobless Claims (k) Continuing Claims (k) <b>UK</b> GDP (QoQ) GDP (YoY) JAPAN Retail sales (MOM)	February February March 24 March 17 Q4:17 F Q4:17 F February	1.7% 1.6% 230 1865 0.4% 1.4% 0.6%		1.7% 1.5% 229 1828 0.4% 1.4%
Conference board consumer confidence <b>EURO AREA</b> M3 money supply (YoY) Economic Confidence	March February March	131.0 4.6% 113.3		130.8 4.6% 114.1						PCE Deflator (YoY) PCE Core Deflator (YoY) Initial Jobless Claims (k) Continuing Claims (k) <b>UK</b> GDP (QoQ) GDP (YoY) JAPAN Retail sales (MOM)	February February March 24 March 17 Q4:17 F Q4:17 F February	1.7% 1.6% 230 1865 0.4% 1.4% 0.6%		1.7% 1.5% 229 1828 0.4% 1.4%
Conference board consumer confidence <b>EURO AREA</b> M3 money supply (YoY) Economic Confidence Business Climate Indicator	March February March	131.0 4.6% 113.3		130.8 4.6% 114.1	Pending home sales (MoM)			  A		PCE Deflator (YoY) PCE Core Deflator (YoY) Initial Jobless Claims (k) Continuing Claims (k) <b>UK</b> GDP (QoQ) GDP (YoY) JAPAN Retail sales (MOM)	February February March 24 March 17 Q4:17 F Q4:17 F February	1.7% 1.6% 230 1865 0.4% 1.4% 0.6%		1.7% 1.5% 229 1828 0.4% 1.4%
Conference board consumer confidence EURO AREA M3 money supply (YoY) Economic Confidence Business Climate Indicator Friday 30	March February March	131.0 4.6% 113.3 1.36	  	130.8 4.6% 114.1 1.48	Pending home sales (MoM)		2.0%		-4.7%	PCE Deflator (YoY) PCE Core Deflator (YoY) Initial Jobless Claims (k) Continuing Claims (k) <b>UK</b> GDP (QoQ) GDP (YoY) JAPAN Retail sales (MOM)	February February March 24 March 17 Q4:17 F Q4:17 F February	1.7% 1.6% 230 1865 0.4% 1.4% 0.6%		1.7% 1.5% 229 1828 0.4% 1.4%
Conference board consumer confidence <b>EURO AREA</b> M3 money supply (YoY) Economic Confidence Business Climate Indicator Friday 30 JAPAN	March February March March	131.0 4.6% 113.3 1.36 <b>S</b>	   A	130.8 4.6% 114.1 1.48 <b>P</b>	Pending home sales (MoM) Monday 2 US	February	2.0% S	 A	-4.7% P	PCE Deflator (YoY) PCE Core Deflator (YoY) Initial Jobless Claims (k) Continuing Claims (k) <b>UK</b> GDP (QoQ) GDP (YoY) JAPAN Retail sales (MOM)	February February March 24 March 17 Q4:17 F Q4:17 F February	1.7% 1.6% 230 1865 0.4% 1.4% 0.6%		1.7% 1.5% 229 1828 0.4% 1.4%
Conference board consumer confidence EURO AREA M3 money supply (YoY) Economic Confidence Business Climate Indicator Friday 30 JAPAN Jobless Rate	March February March March	131.0 4.6% 113.3 1.36 <b>S</b> 2.6%	   A 	130.8 4.6% 114.1 1.48 <b>P</b> 2.4%	Pending home sales (MoM) Monday 2 US Construction spending (MoM)	February	2.0% S 0.4%	 A 	-4.7% P 0.0%	PCE Deflator (YoY) PCE Core Deflator (YoY) Initial Jobless Claims (k) Continuing Claims (k) <b>UK</b> GDP (QoQ) GDP (YoY) JAPAN Retail sales (MOM)	February February March 24 March 17 Q4:17 F Q4:17 F February	1.7% 1.6% 230 1865 0.4% 1.4% 0.6%		1.7% 1.5% 229 1823 0.4% 1.4%
Conference board consumer confidence EURO AREA M3 money supply (YoY) Economic Confidence Business Climate Indicator Friday 30 JAPAN Jobless Rate Industrial Production (MoM)	March February March March February February	131.0 4.6% 113.3 1.36 <b>\$</b> 2.6% 5.0%	   A 	130.8 4.6% 114.1 1.48 <b>P</b> 2.4% -6.8%	Pending home sales (MoM) Monday 2 US Construction spending (MoM) ISM Manufacturing	February February March	2.0% S 0.4% 60.0	 A 	-4.7% P 0.0% 60.8	PCE Deflator (YoY) PCE Core Deflator (YoY) Initial Jobless Claims (k) Continuing Claims (k) <b>UK</b> GDP (QoQ) GDP (YoY) JAPAN Retail sales (MOM)	February February March 24 March 17 Q4:17 F Q4:17 F February	1.7% 1.6% 230 1865 0.4% 1.4% 0.6%		1.7% 1.5% 229 1828 0.4% 1.4%
Conference board consumer confidence EURO AREA M3 money supply (YoY) Economic Confidence Business Climate Indicator Friday 30 JAPAN Jobless Rate Industrial Production (MoM) Industrial Production (YoY)	March February March March February February February	131.0 4.6% 113.3 1.36 <b>\$</b> 2.6% 5.0% 2.3%		130.8 4.6% 114.1 1.48 <b>P</b> 2.4% -6.8% 2.5%	Pending home sales (MoM) Monday 2 US Construction spending (MoM) ISM Manufacturing JAPAN	February	2.0% S 0.4%	 A 	-4.7% P 0.0%	PCE Deflator (YoY) PCE Core Deflator (YoY) Initial Jobless Claims (k) Continuing Claims (k) <b>UK</b> GDP (QoQ) GDP (YoY) JAPAN Retail sales (MOM)	February February March 24 March 17 Q4:17 F Q4:17 F February	1.7% 1.6% 230 1865 0.4% 1.4% 0.6%		1.7% 1.5% 229 1828 0.4% 1.4%
Conference board consumer confidence EURO AREA M3 money supply (YoY) Economic Confidence Business Climate Indicator Friday 30 JAPAN Jobless Rate Industrial Production (MoM) Industrial Production (YoY)	March February March March February February February	131.0 4.6% 113.3 1.36 <b>\$</b> 2.6% 5.0% 2.3%		130.8 4.6% 114.1 1.48 <b>P</b> 2.4% -6.8% 2.5%	Pending home sales (MoM) Monday 2 US Construction spending (MoM) ISM Manufacturing JAPAN Tankan - large manufacturers	February February March Q1:18	2.0% S 0.4% 60.0 25	 A 	-4.7% <b>P</b> 0.0% 60.8 26	PCE Deflator (YoY) PCE Core Deflator (YoY) Initial Jobless Claims (k) Continuing Claims (k) <b>UK</b> GDP (QoQ) GDP (YoY) JAPAN Retail sales (MOM)	February February March 24 March 17 Q4:17 F Q4:17 F February	1.7% 1.6% 230 1865 0.4% 1.4% 0.6%		1.7% 1.5% 229 1828 0.4% 1.4%
Conference board consumer confidence EURO AREA M3 money supply (YoY) Economic Confidence Business Climate Indicator Friday 30 JAPAN Jobless Rate Industrial Production (MoM) Industrial Production (YoY)	March February March March February February February	131.0 4.6% 113.3 1.36 <b>\$</b> 2.6% 5.0% 2.3%		130.8 4.6% 114.1 1.48 <b>P</b> 2.4% -6.8% 2.5%	Pending home sales (MoM) Monday 2 US Construction spending (MoM) ISM Manufacturing JAPAN Tankan - large manufacturers current index Tankan - large manufacturers outlook index	February February March	2.0% S 0.4% 60.0	 A 	-4.7% P 0.0% 60.8	PCE Deflator (YoY) PCE Core Deflator (YoY) Initial Jobless Claims (k) Continuing Claims (k) <b>UK</b> GDP (QoQ) GDP (YoY) JAPAN Retail sales (MOM)	February February March 24 March 17 Q4:17 F Q4:17 F February	1.7% 1.6% 230 1865 0.4% 1.4% 0.6%		1.7% 1.5% 229 1828 0.4% 1.4%
Conference board consumer confidence EURO AREA M3 money supply (YoY) Economic Confidence Business Climate Indicator Friday 30 JAPAN Jobless Rate Industrial Production (MoM) Industrial Production (YoY)	March February March March February February February	131.0 4.6% 113.3 1.36 <b>\$</b> 2.6% 5.0% 2.3%		130.8 4.6% 114.1 1.48 <b>P</b> 2.4% -6.8% 2.5%	Pending home sales (MoM) Monday 2 US Construction spending (MoM) ISM Manufacturing JAPAN Tankan - large manufacturers current index Tankan - large manufacturers outlook index CHINA	February February March Q1:18	2.0% 5 0.4% 60.0 25 22	 A 	-4.7% <b>P</b> 0.0% 60.8 26 21	PCE Deflator (YoY) PCE Core Deflator (YoY) Initial Jobless Claims (k) Continuing Claims (k) <b>UK</b> GDP (QoQ) GDP (YoY) JAPAN Retail sales (MOM)	February February March 24 March 17 Q4:17 F Q4:17 F February	1.7% 1.6% 230 1865 0.4% 1.4% 0.6%		1.7% 1.5% 229 1828 0.4% 1.4%
Conference board consumer confidence EURO AREA M3 money supply (YoY) Economic Confidence Business Climate Indicator Friday 30 JAPAN Jobless Rate Industrial Production (MoM) Industrial Production (YoY)	March February March March February February February	131.0 4.6% 113.3 1.36 <b>\$</b> 2.6% 5.0% 2.3%		130.8 4.6% 114.1 1.48 <b>P</b> 2.4% -6.8% 2.5%	Pending home sales (MoM) Monday 2 US Construction spending (MoM) ISM Manufacturing JAPAN Tankan - large manufacturers current index current index CHINA Manufacturing PMI	February February March Q1:18 Q1:18 March	2.0% <b>S</b> 0.4% 60.0 25 22 50.7	 A 	-4.7% <b>P</b> 0.0% 60.8 26 21 50.3	PCE Deflator (YoY) PCE Core Deflator (YoY) Initial Jobless Claims (k) Continuing Claims (k) <b>UK</b> GDP (QoQ) GDP (YoY) JAPAN Retail sales (MOM)	February February March 24 March 17 Q4:17 F Q4:17 F February	1.7% 1.6% 230 1865 0.4% 1.4% 0.6%		1.7% 1.5% 229 1828 0.4% 1.4%
Conference board consumer confidence EURO AREA M3 money supply (YoY) Economic Confidence Business Climate Indicator Friday 30 JAPAN Jobless Rate Industrial Production (MoM) Industrial Production (YoY)	March February March March February February February	131.0 4.6% 113.3 1.36 <b>\$</b> 2.6% 5.0% 2.3%		130.8 4.6% 114.1 1.48 <b>P</b> 2.4% -6.8% 2.5%	Pending home sales (MoM) Monday 2 US Construction spending (MoM) ISM Manufacturing JAPAN Tankan - large manufacturers current index Tankan - large manufacturers outlook index CHINA	February February March Q1:18 Q1:18	2.0% 5 0.4% 60.0 25 22	 A 	-4.7% <b>P</b> 0.0% 60.8 26 21	PCE Deflator (YoY) PCE Core Deflator (YoY) Initial Jobless Claims (k) Continuing Claims (k) <b>UK</b> GDP (QoQ) GDP (YoY) JAPAN Retail sales (MOM)	February February March 24 March 17 Q4:17 F Q4:17 F February	1.7% 1.6% 230 1865 0.4% 1.4% 0.6%		1.79 1.59 229 182 0.49 1.49
Conference board consumer confidence EURO AREA M3 money supply (YoY) Economic Confidence Business Climate Indicator Friday 30 JAPAN Jobless Rate Industrial Production (MoM) Industrial Production (YoY)	March February March March February February February	131.0 4.6% 113.3 1.36 <b>\$</b> 2.6% 5.0% 2.3%		130.8 4.6% 114.1 1.48 <b>P</b> 2.4% -6.8% 2.5%	Pending home sales (MoM) Monday 2 US Construction spending (MoM) ISM Manufacturing JAPAN Tankan - large manufacturers current index current index CHINA Manufacturing PMI	February February March Q1:18 Q1:18 March	2.0% <b>S</b> 0.4% 60.0 25 22 50.7	 A 	-4.7% <b>P</b> 0.0% 60.8 26 21 50.3	PCE Deflator (YoY) PCE Core Deflator (YoY) Initial Jobless Claims (k) Continuing Claims (k) <b>UK</b> GDP (QoQ) GDP (YoY) JAPAN Retail sales (MOM)	February February March 24 March 17 Q4:17 F Q4:17 F February	1.7% 1.6% 230 1865 0.4% 1.4% 0.6%		1.7% 1.5% 229 1828 0.4% 1.4%
Conference board consumer confidence EURO AREA M3 money supply (YoY) Economic Confidence Business Climate Indicator Friday 30 JAPAN Jobless Rate Industrial Production (MoM) Industrial Production (YoY)	March February March March February February February	131.0 4.6% 113.3 1.36 <b>\$</b> 2.6% 5.0% 2.3%		130.8 4.6% 114.1 1.48 <b>P</b> 2.4% -6.8% 2.5%	Pending home sales (MoM) Monday 2 US Construction spending (MoM) ISM Manufacturing JAPAN Tankan - large manufacturers current index current index CHINA Manufacturing PMI	February February March Q1:18 Q1:18 March	2.0% <b>S</b> 0.4% 60.0 25 22 50.7	 A 	-4.7% <b>P</b> 0.0% 60.8 26 21 50.3	PCE Deflator (YoY) PCE Core Deflator (YoY) Initial Jobless Claims (k) Continuing Claims (k) <b>UK</b> GDP (QoQ) GDP (YoY) JAPAN Retail sales (MOM)	February February March 24 March 17 Q4:17 F Q4:17 F February	1.7% 1.6% 230 1865 0.4% 1.4% 0.6%		1.79 1.59 229 182 0.49 1.49
Conference board consumer confidence EURO AREA M3 money supply (YoY) Economic Confidence Business Climate Indicator Friday 30 JAPAN Jobless Rate Industrial Production (MoM) Industrial Production (YoY)	March February March March February February February	131.0 4.6% 113.3 1.36 <b>\$</b> 2.6% 5.0% 2.3%		130.8 4.6% 114.1 1.48 <b>P</b> 2.4% -6.8% 2.5%	Pending home sales (MoM) Monday 2 US Construction spending (MoM) ISM Manufacturing JAPAN Tankan - large manufacturers current index current index CHINA Manufacturing PMI	February February March Q1:18 Q1:18 March	2.0% <b>S</b> 0.4% 60.0 25 22 50.7	 A 	-4.7% <b>P</b> 0.0% 60.8 26 21 50.3	PCE Deflator (YoY) PCE Core Deflator (YoY) Initial Jobless Claims (k) Continuing Claims (k) <b>UK</b> GDP (QoQ) GDP (YoY) JAPAN Retail sales (MOM)	February February March 24 March 17 Q4:17 F Q4:17 F February	1.7% 1.6% 230 1865 0.4% 1.4% 0.6%		1.79 1.59 229 182 0.49 1.49
Conference board consumer confidence EURO AREA M3 money supply (YoY) Economic Confidence Business Climate Indicator Friday 30 JAPAN Jobless Rate Industrial Production (MoM) Industrial Production (YoY)	March February March March February February February	131.0 4.6% 113.3 1.36 <b>\$</b> 2.6% 5.0% 2.3%		130.8 4.6% 114.1 1.48 <b>P</b> 2.4% -6.8% 2.5%	Pending home sales (MoM) Monday 2 US Construction spending (MoM) ISM Manufacturing JAPAN Tankan - large manufacturers current index current index CHINA Manufacturing PMI	February February March Q1:18 Q1:18 March	2.0% <b>S</b> 0.4% 60.0 25 22 50.7	 A 	-4.7% <b>P</b> 0.0% 60.8 26 21 50.3	PCE Deflator (YoY) PCE Core Deflator (YoY) Initial Jobless Claims (k) Continuing Claims (k) <b>UK</b> GDP (QoQ) GDP (YoY) JAPAN Retail sales (MOM)	February February March 24 March 17 Q4:17 F Q4:17 F February	1.7% 1.6% 230 1865 0.4% 1.4% 0.6%		1.7% 1.5% 229 1823 0.4% 1.4%

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

## Equity Markets (in local currency)

Developed Markets		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	2588	-6,0	-3,2	10,3	27,1	MSCI Emerging Markets	61290	-3,2	0,7	18,8	35,2
Japan	NIKKEI 225	20618	-4,9	-9,4	8,0	21,3	MSCI Asia	927	-3,9	0,5	21,3	40,5
UK	FTSE 100	6922	-3,4	-10,0	-5,7	11,7	China	92	-6,1	2,9	36,6	64,3
Canada	S&P/TSX	15224	-3,1	-6,1	-1,4	13,8	Korea	735	-3,2	-1,8	16,2	36,7
Hong Kong	Hang Seng	30309	-3,8	1,3	24,6	47,0	MSCI Latin America	89545	-1,0	4,4	17,6	36,7
Euro area	EuroStoxx	369	-3,4	-4,4	0,2	13,6	Brazil	283215	-0,5	10,1	29,7	58,7
Germany	DAX 30	11886	-4,1	-8,0	-1,3	18,6	Mexico	44142	-2,0	-5,2	-3,9	1,7
France	CAC 40	5095	-3,5	-4,1	1,2	15,2	MSCI Europe	5552	-0,7	3,1	13,2	23,8
Italy	FTSE/MIB	22289	-2,5	2,0	10,5	20,7	Russia	1054	0,4	10,4	15,3	26,0
Spain	IBEX-35	9393	-3,8	-6,5	-9,0	5,2	Turkey	1577653	-1,2	-0,3	25,2	37,6

#### World Market Sectors (MSCI Indices)

	Level	1-week	Year-to-Date		2-year change (%)	in local currency	Current	1-week	Year-to-Date	1-Year	2-year	
	Level	change (%)	change (%)	change (%)	change (%)		Level	change (%)	change (%)	change (%)	change (%)	
Energy	207,6	-0,7	-7,1	1,8	12,8	Energy	206,9	-1,3	-7,9	-2,1	10,8	
Materials	264,4	-3,7	-5,8	12,0	39,2	Materials	241,9	-4,3	-7,4	5,9	34,1	
Industrials	252,2	-3,9	-3,6	12,0	28,7	Industrials	242,0	-4,3	-5,4	7,2	24,8	
Consumer Discretionary	240,5	-3,9	0,4	16,0	27,8	<b>Consumer Discretionary</b>	227,0	-4,3	-1,2	12,1	24,8	
Consumer Staples	217,6	-3,3	-8,5	-2,0	1,8	Consumer Staples	211,1	-3,8	-10,0	-6,1	-0,4	
Healthcare	219,8	-5,5	-3,4	5,8	13,6	Healthcare	213,0	-5,7	-4,5	2,9	11,7	
Financials	122,8	-5,0	-3,5	11,5	35,9	Financials	119,3	-5,4	-4,6	7,1	32,3	
IT	224,7	-7,3	1,8	25,8	55,4	IT	215,9	-7,4	1,2	24,2	53,9	
Telecoms	65,7	-4,0	-7,6	-6,7	-7,9	Telecoms	65,9	-4,5	-9,6	-11,4	-10,9	
Utilities	121,0	-1,8	-4,8	-0,5	2,4	Utilities	120,5	-2,1	-6,0	-4,3	0,1	

#### Bond Markets (%)

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	2,81	2,85	2,41	2,42	2,56	US Treasuries 10Y/2Y	56	55	52	117	176
Germany	0,53	0,57	0,43	0,43	1,74	US Treasuries 10Y/5Y	21	20	20	47	89
Japan	0,02	0,04	0,05	0,06	0,73	Bunds 10Y/2Y	114	116	105	117	127
UK	1,45	1,43	1,19	1,23	2,49	Bunds 10Y/5Y	60	61	63	73	76
Greece	4,38	4,18	4,12	7,39	10,30						
Ireland	0,95	1,01	0,67	1,10	4,22	Corporate Bond Spreads	Current	Last week	Year Start	One Year	10-year
Italy	1,87	1,98	2,01	2,26	3,56	(in bps)	Current	Last week	Teal Start	Back	average
Spain	1,27	1,38	1,57	1,73	3,54	EM Inv. Grade (IG)	150	142	138	161	267
Portugal	1,72	1,76	1,94	4,20	5,29	EM High yield	367	350	371	449	808
						US IG	115	110	98	123	196
US Mortgage Market (1. Fixed-rate Mortgage)	Current	Last week	Year Start	One Year Back	10-year average	US High yield	374	360	358	411	632
<b>30-Year FRM</b> <sup>1</sup> (%)	4,7	4,7	4,2	4,5	4,3	Euro area IG	96	89	87	119	168
vs 30Yr Treasury (bps)	162	160	148	143	95	Euro area High Yield	306	289	272	351	652

#### 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	1,24	0,5	0,6	14,6	2,9	Agricultural	391	-1,5	0,0	-8,3	2,9
EUR/CHF	1,17	0,0	1,5	9,2	0,0	Energy	489	5,1	6,3	31,3	5,8
EUR/GBP	0,87	-0,9	-0,9	1,5	-1,5	West Texas Oil (\$)	66	5,6	6,8	40,1	9,0
EUR/JPY	129,40	-0,7	-2,3	8,2	-4,3	Crude brent Oil (\$)	70	6,7	7,6	39,9	4,5
EUR/NOK	9,58	1,1	-0,8	4,7	-2,7	Industrial Metals	1343	-2,5	-7,2	9,8	-7,3
EUR/SEK	10,19	1,1	2,2	7,0	3,9	Precious Metals	1615	2,8	1,3	5,9	2,4
EUR/AUD	1,60	0,7	1,9	13,5	4,5	Gold (\$)	1347	2,5	1,7	8,2	3,4
EUR/CAD	1,59	-1,0	2,1	10,7	5,6	Silver (\$)	17	1,3	0,3	-5,8	-2,2
USD-based cross rates						Baltic Dry Index	1122	-2,4	-2,1	-6,2	-17,9
USD/CAD	1,29	-1,6	1,5	-3,4	2,5	Baltic Dirty Tanker Index	656	3,3	2,5	-19,2	-20,7
USD/AUD	1,30	0,2	1,4	-0,9	1,5						
USD/JPY	104,73	-1,2	-2,8	-5,6	-7,1						

- DM Equities

– EM Equities

Jan-15 Apr-15 Jul-15 Oct-15 Jan-16

Equity Market Performance - G4

S&P500

Oct-14

Apr-14 Jul-14

4 Jan-

%

60 55

50

45

40

35

30

25

20

15

10

5

0

-5

-10

-15

120

118

116

114

112

110

108

106

104

102

100 

98

96

94

92

21-Sep

5-Oct

19-Oct

2-Nov

Russell 2000 Value & Growth Index

Russell 2000 Value (left)

16-Nov 30-Nov 14-Dec Bonds

- Commodities

Apr-17 Jul-17

Assets Under Management, Data as of March 23rd

Jan-17

- FTSE 100

Apr-16 Jul-16 Oct-16

Source: Bloomberg, NBG estimates, Cumulative flows since January 2014, AUM stands for

EuroStoxx

%

60

55

50

45

40

35

30

25

20

15

10

5

0

-5

-10

-15

120

118

116

114

112

110

108

106

104

100 98

96

94

92

102

22-Feb

8-Mar

22-Mar

8-Feb

25-

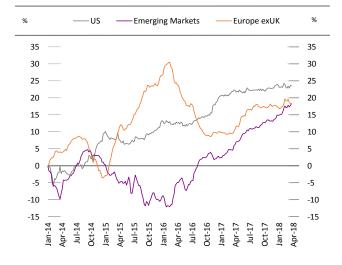
Source: Bloomberg - Data as of March 23rd - Rebased @ 100

Jan-18 Apr-18

Nikkei 225

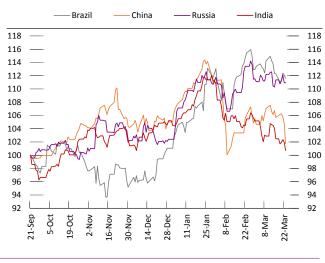
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#### Equity ETFs: Flows as % of AUM

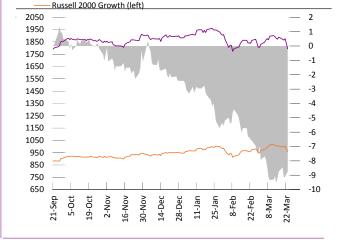


Source: Bloomberg, NBG estimates, Cumulative flows since January 2014, AUM stands for Assets Under Management, Data as of March 23"

Equity Market Performance - BRICs



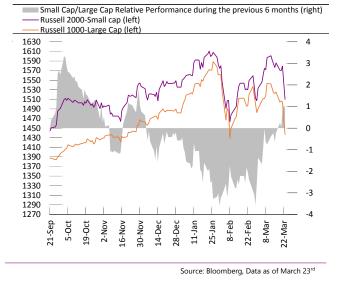
Source: Bloomberg - Data as of March 23rd – Rebased @ 100



28-Dec 11-Jan -Jan

Value/Growth Relative Performance during the previous 6 months (right)

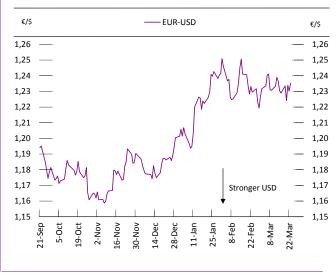
Russell 2000 & Russell 1000 Index



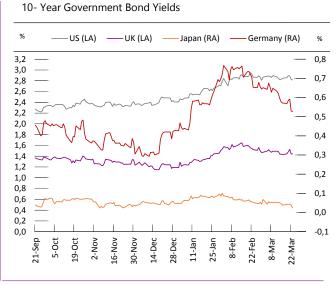
Source: Bloomberg, Data as of March 23rd

#### NBG Global Markets Roundup | Chartroom

#### EUR/USD



Source: Bloomberg, Data as of March 23rd

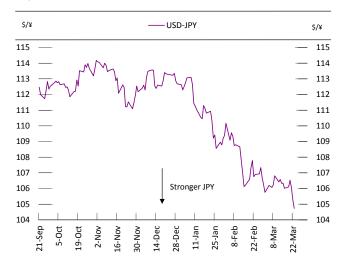


Source: Bloomberg - Data as of March 23<sup>rd</sup> LA:Left Axis RA:Right Axis

West Texas Intermediate (\$/brl)

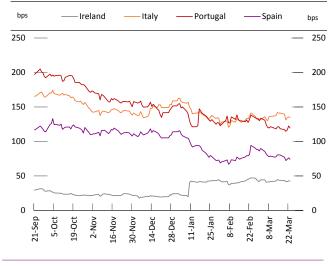


Source: Bloomberg, Data as of March 23rd



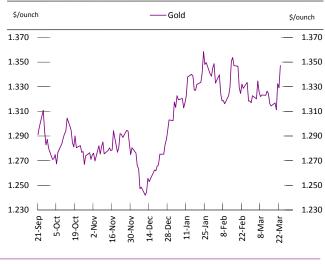
Source: Bloomberg, Data as of March 23rd

#### 10- Year Government Bond Spreads



Source: Bloomberg - Data as of March 23rd





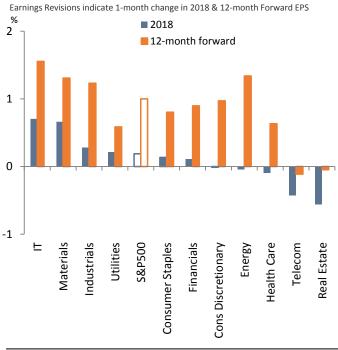
Source: Bloomberg, Data as of March 23rd



## **US Sectors Valuation**

	Pri	ce (\$)	EPS Gro	owth (%)	Dividend	Yield (%)	P/E Ratio				P/BV Ratio			
	23/3/2018 %	6 Weekly Change	2017	2018	2017	2018	2017	2018	12m fwd	10Yr Avg	2017	2018	12m fwd	10Yr Avg
S&P500	2588	-6,0	11,5	18,7	1,8	2,1	20,5	16,5	16,1	14,3	3,3	3,0	2,9	2,3
Energy	493	-0,9	247,0	72,4	2,9	3,2	34,4	20,0	19,5	19,6	1,8	1,8	1,8	1,8
Materials	351	-5,3	9,6	23,2	1,8	2,1	20,9	16,0	15,7	14,9	2,9	2,5	2,5	2,7
Financials														
<b>Diversified Financials</b>	660	-7,1	8,8	27,2	1,2	1,4	20,2	14,9	14,6	13,7	2,0	1,7	1,7	1,4
Banks	326	-8,1	13,2	25,1	1,8	2,4	16,2	11,8	11,5	12,6	1,5	1,3	1,3	0,9
Insurance	381	-5,1	2,5	37,9	2,0	2,3	16,6	11,7	11,5	10,1	1,4	1,3	1,3	1,0
Real Estate	186	-3,8	2,5	4,8	3,6	3,8	17,3	16,5	16,3	17,4	3,1	3,1	3,1	2,6
Industrials														
Capital Goods	662	-4,8	7,3	15,9	2,1	2,1	22,2	18,1	17,6	14,9	5,0	4,5	4,4	3,0
Transportation	687	-5,6	0,8	26,2	1,6	1,8	17,5	13,6	13,2	14,2	4,1	3,6	3,5	3,1
Commercial Services	256	-4,5	-1,7	15,4	1,4	1,5	24,6	20,9	20,5	18,2	4,0	3,7	3,6	3,0
Consumer Discretionary														
Retailing	1929	-4,5	5,4	24,1	0,7	0,8	41,2	32,3	31,2	20,8	13,0	10,6	10,3	5,4
Media	500	-5,7	12,1	15,7	1,4	1,6	18,0	14,7	14,3	15,1	2,8	2,4	2,4	2,2
Consumer Services	1021	-4,8	12,9	18,1	1,8	2,0	24,1	19,9	19,4	17,9	8,9	8,5	8,4	4,7
Consumer Durables	313	-3,4	-3,6	16,7	1,5	1,6	20,0	16,7	16,2	16,8	3,5	3,1	3,1	2,9
Automobiles and parts	122	-6,8	2,9	-3,4	3,7	3,9	7,5	7,2	7,2	8,9	1,8	1,4	1,4	1,9
IT														
Technology	1055	-7,0	14,6	16,8	1,7	2,0	17,5	14,0	13,7	12,4	5,3	4,8	4,7	2,8
Software & Services	1572	-8,5	15,5	15,6	0,8	0,9	27,1	22,1	21,5	15,7	6,9	5,6	5,4	3,9
Semiconductors	982	-6,8	41,1	21,2	1,6	1,9	17,6	14,1	13,9	16,5	4,8	4,0	3,9	2,8
Consumer Staples														
Food & Staples Retailing	359	-3,9	1,2	10,4	2,5	2,3	17,9	15,2	14,9	15,0	3,4	2,9	2,9	2,6
Food Beverage & Tobacco	647	-5,3	8,3	12,6	3,0	3,4	20,7	17,5	17,2	16,8	5,1	4,8	4,8	4,8
Household Goods	517	-3,6	4,8	9,9	3,0	3,2	21,2	18,8	18,4	17,9	5,3	5,2	5,2	4,4
Health Care														
Pharmaceuticals	798	-7,3	5,6	8,1	2,0	2,3	16,5	14,5	14,2	13,9	4,6	4,0	3,9	3,2
Healthcare Equipment	1013	-6,1	11,2	16,2	0,9	1,1	20,5	16,8	16,4	13,9	3,6	3,1	3,0	2,4
Telecom	147	-5,6	0,8	14,6	5,5	5,8	12,2	10,2	10,2	12,7	2,1	1,9	1,9	2,3
Utilities	249	-2,5	0.1	6,7	3,8	3,8	17,0	16,0	15,8	14,4	1,8	1,7	1,7	1,5

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, light orange a value less than -1standard devation from average.



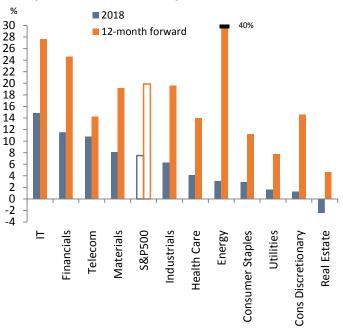
Source: Factset, Data as of March 23rd

12-month forward EPS are 78% of 2018 EPS and 22% of 2019 EPS

1-month revisions to 2018 & 12-month Forward EPS

## 12-month revisions to 2018 & 12-month Forward EPS

Earnings Revisions indicate 12-month change in 2018 & 12-month Forward EPS



Source: Factset, Data as of March 23rd

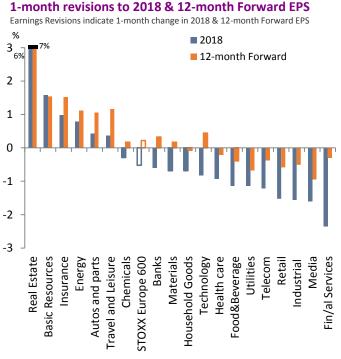
12-month forward EPS are 78% of 2018 EPS and 22% of 2019 EPS

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

## **Europe Sectors Valuation**

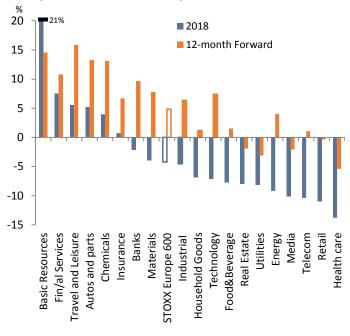
	Pri	ce (€)	EPS Gro	wth (%)	Dividend	Yield (%)		P,	/E Ratio		P/BV Ratio			
	23/3/2018 %	6 Weekly Change	2017	2018	2017	2018	2017	2018	12m fwd	10Yr Avg	2017	2018	12m fwd	10Yr Avg
STOXX Europe 600	366	-3,1	12,6	9,1	3,3	3,6	16,3	14,4	14,2	12,8	1,9	1,8	1,7	1,5
Energy	313	-1,3	68,3	16,5	4,8	5,0	16,6	14,0	13,8	11,2	1,4	1,3	1,3	1,3
Materials	430	-4,1	12,2	9,0	2,8	3,1	18,1	15,9	15,5	14,2	1,9	1,8	1,8	1,5
Basic Resources	445	-3,8	89,8	3,7	3,6	4,0	12,6	11,5	11,6	12,6	1,6	1,5	1,5	1,3
Chemicals	900	-2,8	17,6	6,8	2,6	3,0	17,7	15,7	15,5	14,1	2,5	2,3	2,2	2,0
Financials														
Fin/al Services	484	-2,4	14,5	-8,3	3,0	3,2	15,5	16,5	16,0	13,1	1,8	1,9	1,8	1,3
Banks	172	-5,0	30,6	20,9	3,9	4,6	14,3	10,9	10,7	10,9	1,0	0,9	0,9	0,8
Insurance	280	-3,5	-10,4	20,1	4,6	5,1	13,6	10,8	10,6	9,3	1,2	1,1	1,1	1,0
Real Estate	171	0,1	3,2	1,4	3,9	4,0	20,1	20,2	19,9	18,7	1,0	0,9	0,9	1,0
Industrial	508	-3,4	9,5	9,4	2,5	2,8	20,0	17,5	17,1	14,4	3,3	2,9	2,9	2,3
Consumer Discretionary														
Media	260	-2,1	4,8	1,2	2,9	3,6	16,9	15,9	15,6	14,0	3,1	2,7	2,7	2,4
Retail	285	-2,1	1,6	6,5	2,9	3,1	19,8	17,8	17,4	15,9	2,6	2,4	2,4	2,4
Automobiles and parts	594	-3,7	20,4	5,1	3,0	3,4	8,8	8,0	7,9	9,2	1,3	1,1	1,1	1,0
Travel and Leisure	251	-2,5	15,5	7,1	2,4	2,6	13,8	12,4	12,1	15,4	2,8	2,5	2,4	2,1
Technology	426	-5,2	8,0	11,6	1,5	1,7	24,4	21,2	20,5	16,8	3,5	3,3	3,2	2,5
Consumer Staples														
Food&Beverage	600	-3,0	3,3	9,6	2,9	3,0	22,4	19,9	19,5	17,3	3,4	3,2	3,1	2,7
Household Goods	772	-1,2	7,0	6,2	2,7	2,9	19,7	18,3	18,0	16,8	4,7	4,4	4,3	3,5
Health care	664	-3,0	-7,3	6,5	2,9	3,1	17,4	15,8	15,5	14,1	3,3	3,0	3,0	3,0
Telecom	251	-3,8	16,5	0,4	4,9	5,2	15,3	14,7	14,4	13,3	1,8	1,7	1,7	1,6
Utilities	274	-2,0	-1,8	-3,8	5,3	5,3	13,1	13,8	13,6	12,1	1,3	1,3	1,3	1,3

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.



12-month revisions to 2018 & 12-month Forward EPS

Earnings Revisions indicate 12-month change in 2018 & 12-month Forward EPS



Source: Factset, Data as of March 23rd

12-month forward EPS are 78% of 2018 EPS and 22% of 2019 EPS

Source: Factset, Data as of March  $23^{\mbox{\scriptsize rd}}$ 

12-month forward EPS are 78% of 2018 EPS and 22% of 2019 EPS

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



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