

Bundles | 20 July 2018

Our view on next week's key events

Discover what ING analysts are looking for next week in our global economic calendars

In this bundle



Key events in developed markets next week

The advance release of 2Q18 GDP will be the big release from the US next week while German PMIs and Ifo might shed some light on the possible confidence...

By James Knightley and Carsten Brzeski



Asia week ahead: Prepare for slower growth

Weak exports, weak manufacturing, and therefore slow GDP growth. This was the storyline across Asia in the last quarter and likely to prevail for the rest...



Key events in EMEA and Latam next week

Sentiment indicators and rate decisions dominate EMEA and Latam markets in a particularly quiet week for most countries By Peter Virovacz and Muhammet Mercan

Key events in developed markets next week

The advance release of 2Q18 GDP will be the big release from the US next week while German PMIs and Ifo might shed some light on the possible confidence impact from latest trade tensions. The ECB meeting should almost be a non-event except for the central bank's economic outlook



Source: Shutterstock

What trade worries?

The big release from the US next week will be the advance release of 2Q18 GDP. Based on high-frequency data, we think we could see growth rebound to an annualised rate of 4% after a weather-depressed 2% figure for 1Q18. This would be the strongest rate of growth since the third quarter of 2014.

Consumer spending should rebound sharply, while business surveys suggest that investment growth remains strong despite intensifying trade war worries. We also look for inventory building to make a positive contribution to overall GDP growth.

This outcome, coupled with strong jobs growth data and positive sentiment surveys, offers support to our view that the US can grow 3% this year as a whole. With headline inflation close to 3% and the Federal Reserve continuing to talk of "gradual" policy tightening we look for a rate hike in 3Q and another in 4Q with two more likely in 2019. Nonetheless, this is contingent on trade fears gradually easing after the mid-term elections in November 2018. If they don't, then escalating

tensions could have ramifications for capex and hiring in the US, which may lead the Fed to take a more cautious approach to policy tightening.

The ECB could be in a predicament in light of next week's sentiment indicators

Next week's PMIs and the German Ifo should shed some light on the possible confidence impact from latest trade tensions. Up till now, hard economic data has been close to zero, but a negative sentiment loop cannot be excluded.

A renewed weakening of sentiment indicators at a time of stabilising and positively surprising hard data out of the Eurozone would also bring the ECB new headaches. Except for the ECB's take on the economic outlook, next week's ECB meeting should almost be a non-event.

ECB president Mario Draghi will probably try to downplay recent market talks about operation twist or first rate hikes in summer 2019, stressing that a non-active summer of 2019 is possible.

Developed Markets Economic Calendar

Bundles | 20 July 2018

.300 .030 .030 .0530 .9530 .930 .330	Friday 20 July Fed's Bullard Speaks on Economy and Monetar Jun National CPI (YoY%) Jun CPI ex-food, energy (YoY%) May All Industry Activity Index (MoM%) Jun Public Finances (PSNCR) Jun PSNB ex Banks (£bn) Jun CPI (MoM/YoY%) Greece Sovereign Debt to be Rated by S&P Austria Sovereign Debt to be Rated by Fitch	ry Policy - - - - - - -/-	0.8 0.4 0 - 5 0/2.3	0.7 0.3 1 4.51 4.97
030 030 9530 930	Jun National CPI (YoY%) Jun CPI ex-food, energy (YoY%) May All Industry Activity Index (MoM%) Jun Public Finances (PSNCR) Jun PSNB ex Banks (£bn) Jun CPI (MoM/YoY%) Greece Sovereign Debt to be Rated by S&P	-	0.4 0 - 5	0.3 1 4.51 4.97
030 0530 0930	Jun CPI ex-food, energy (YoY%) May All Industry Activity Index (MoM%) Jun Public Finances (PSNCR) Jun PSNB ex Banks (£bn) Jun CPI (MoM/YoY%) Greece Sovereign Debt to be Rated by S&P	- - - - -	0.4 0 - 5	0.3 1 4.51 4.97
930 930	May All Industry Activity Index (MoM%) Jun Public Finances (PSNCR) Jun PSNB ex Banks (£bn) Jun CPI (MoM/YoY%) Greece Sovereign Debt to be Rated by S&P	- - - -	0 - 5	1 4.51 4.97
930 930	Jun Public Finances (PSNCR) Jun PSNB ex Banks (£bn) Jun CPI (MoM/YoY%) Greece Sovereign Debt to be Rated by S&P	- - -/-	- 5	4.51 4.97
930	Jun PSNB ex Banks (£bn) Jun CPI (MoM/YoY%) Greece Sovereign Debt to be Rated by S&P	- - -/-	5	4.97
	Jun CPI (MoM/YoY%) Greece Sovereign Debt to be Rated by S&P	- -/-		
.330	Greece Sovereign Debt to be Rated by S&P	-/-	0/2.3	
	,			0.1/2.2
	Austria Sovereign Debt to be Rated by Fitch			
	Monday 23 July			
.500	Jun Existing Home Sales	5.50	5.46	5.43
.500	Jul A Consumer Confidence	-0.5	-	-0.5
.800	BOE's Broadbent Speaks in London			
	Tuesday 24 July			
600		-	-	106.9
900	Jul P Markit Manufacturing PMI	54.7	_	54.9
900	Jul P Markit Services PMI	55.4	-	55.2
900	Jul P Markit Composite PMI	54.9	-	54.9
900		-	-	4
900	3 11 3	102	_	101.8
900			_	98.6
900	•		_	105.1
			-/-	0.4/1.9
250		, , , , , , , , , , , , , , , , , , ,	<u> </u>	01 1/ 213
330		3.0	27	-0.4
	Jun P Durable Goods Orders (ex. Transport,			0.1
		-	-	0
		_		0.25
	• • •	_	_	-0.4
		-	-	6.5
	, ,			0.5
	3 ,			
770		/ 0	/ 0	2.0
		4.0	4.0	2.0
		-	-	-
		97.5	97.3	97.1
	, ,	,		0.5/4.5
230		-/-	-/-	0.5/1.7
	,			
	Netherlands Sovereign Debt to Be Rated by Moo	ody's		
388888888888888888888888888888888888888	500 800 600 900 900 900 900 900	Jul A Consumer Confidence BOE's Broadbent Speaks in London Tuesday 24 July May F Leading Economic Index Jul P Markit Manufacturing PMI Jul P Markit Services PMI Bank of Portugal Releases Bank Lending Survey Wednesday 25 July Jun M3 Money Supply (YoY%) Jul IFO Business Climate Jul IFO Expectations Jul IFO Current Assessment 20 CPI (QoQ/YoY%) Thursday 26 July Jun P Durable Goods Orders (MoM%) Jun P Durable Goods Orders (ex. Transport, MACMOL\ 245 ECB Main Refinancing Rate ECB Marginal Lending Facility ECB Deposit Facility Rate B30 Jun Unemployment Rate (%) Portugal Releases Year-to-Date Budget Report Friday 27 July 330 2Q A GDP (QoQ Annualised %) Revisions: GDP Jul F U. of Mich. Sentiment Index Tokyo July CPI 230 2Q PPI (Q) (QoQ/YoY%) Sweden Sovereign Debt to be Rated by Mod	Jul A Consumer Confidence -0.5 BOE's Broadbent Speaks in London Tuesday 24 July May F Leading Economic Index - Jul P Markit Manufacturing PMI 54.7 Jul P Markit Services PMI 55.4 Jul P Markit Composite PMI 54.9 Bank of Portugal Releases Bank Lending Survey Wednesday 25 July Jul IFO Business Climate 102 Jul IFO Expectations 98.8 Jul IFO Current Assessment 105.3 ZQ CPI (QoQ/YoY%) -/- Thursday 26 July Jun P Durable Goods Orders (MoM%) 3.0 Jun P Durable Goods Orders (ex. Transport, 0.4 ECB Main Refinancing Rate - ECB Marginal Lending Facility - ECB Marginal Lending Facility - ECB Deposit Facility Rate - Jun Unemployment Rate (%) - Portugal Releases Year-to-Date Budget Report Friday 27 July 330 ZQ A GDP (QoQ Annualised %) 4.0 3310 Tokyo July CPI - Sweden Sovereign Debt to be Rated by Moody's	Jul A Consumer Confidence BOE's Broadbent Speaks in London Tuesday 24 July May F Leading Economic Index Jul P Markit Manufacturing PMI Jul P Markit Services PMI Jul P Markit Composite PMI Bank of Portugal Releases Bank Lending Survey Wednesday 25 July Jul IFO Business Climate Jul IFO Expectations Jul IFO Current Assessment Jul IFO Current Assessment Jul IFO Current Assessment Jul IFO Current Assessment Jun P Durable Goods Orders (MoM%) Jun P Durable Goods Orders (Ex. Transport, Jun P Durable Goods Orders (Ex. Transport, Sun P Durab

Click here to download a printer-friendly version of this table

Author

James Knightley
Chief International Economist, US
james.knightley@ing.com

Carsten BrzeskiGlobal Head of Macro
<u>carsten.brzeski@ing.de</u>

6

Article | 19 July 2018

Asia week ahead: Prepare for slower growth

Weak exports, weak manufacturing, and therefore slow GDP growth. This was the storyline across Asia in the last quarter and likely to prevail for the rest of the year



The key Asian economic releases next week are Korea's GDP for the second quarter and June manufacturing data from Singapore and Taiwan, all informing about Asia's growth outlook in the tariff era. Weak exports, weak manufacturing, and therefore slow GDP growth was the economic story across Asia in the last quarter. And it's likely to remain the theme for the rest of the year.

Weak exports and manufacturing, and slower GDP growth

In its quarterly Economic Outlook report released earlier this month, the Korean central bank (Bank of Korea) cut its GDP outlook for 2018 to 2.9% growth from 3.0% previously. This is the result of the slowdown already underway in the country's exports and manufacturing. Export growth of 3.4%

Bundles | 20 July 2018

year-on-year in 2Q slowed from 9.9% in 1Q. And industrial production growth has been flat in recent months. We expect 2Q GDP growth of 2.6%, down from 2.8% in the previous quarter.

2.6% ING forecast for Korea's 2Q GDP growth

With the trade war risk intensifying, GDP growth is poised to slow for the rest of the year. We are reviewing our full-year 2018 growth forecast of 2.8% for a downgrade. While this could make a case for Bank of Korea (BoK) policy easing, there is little policy space for such a move, which is also unlikely as higher tariffs and a weak Korean currency exert upward inflationary pressure. We expect the next move in the BoK policy rate to be higher, not this year though.

In Singapore, the advance estimate of GDP in 2Q revealed a slowdown in growth to 3.8% from 4.3% in the previous quarter. This estimate is typically based on data for the first two months in the quarter. Manufacturing drives GDP growth and the June data next week (26 July) is a good guide for revisions to the advance estimate. Unexpectedly weak non-oil domestic export growth in June (1.1% YoY, down from 15.5% in May) signals weak manufacturing. If realized, our forecast of 2.4% manufacturing growth in June, down from 11% in May, will mean a downgrade of 2Q GDP growth to 3.6%.

2.4% ING forecast for Singapore's manufacturing in June

The heavy dependence on exports makes Singapore's economy more vulnerable to the global trade war. While we are looking to downgrade our growth forecast for this year from 3.2%, it will take a big slump in the economy for the central bank (MAS) to reverse the April policy tightening. And that's not what we are anticipating at the moment.

For Taiwan, it's the same economic story as in Korea or Singapore -- weak exports, weak manufacturing, and therefore weak GDP growth.

Asia Economic Calendar

Country	Time	Data/event	ING	Survey	Prev.
		Friday 20 July			
Malaysia	0800	Jul 13 Forex reserves- Month end (US\$bn)	-	-	104.7
Taiwan	0900	Jun Export Orders (YoY%)	8	8	11.68
Thailand	-	Jun Exports (Cust est, YoY%)	7	9.5	11.4
	-	Jun Imports (Cust est, YoY%)	19	15	11.7
		Monday 23 July			
Philippines	-	Jun Budget balance (PHP bn)	-	-	-32.9
Singapore	0600	Jun CPI (YoY%)	0.6	-	0.4
	0600	Jun CPI Core (YoY%)	1.6	-	1.5
Taiwan	0900	Jun Industrial Production (YoY%)	4	5.8	7.05
Hong Kong	0415	Jun Composite CPI (%YoY)	2.2	-	2.1
		Tuesday 24 July			
Taiwan	0920	Jun Money supply (M2) (YoY%)	3.8	-	3.73
South Korea	2200	Jul BOK Consumer Sentiment Index	106.3	-	105.5
		Thursday 26 July			
Hong Kong	0930	Jun Exports (YoY%)	7.9	-	15.9
	0930	Jun Imports (YoY%)	8.5	-	16.5
	0930	Jun Trade balance (HK\$ bn)	-54.3	-	-43.2
Singapore	0600	Jun Industrial Production (MoM, SA/YoY%)	-0.7/2.4	-/-	0.4/11.1
South Korea	0000	2Q P GDP (QoQ/YoY%)	0.5/2.6	-/-	1/2.8
		Friday 27 July			
China	0230	Jun Industrial Profits (YTD, YoY%)	18	-	21.1
Singapore	0330	2Q Jobless Rate (Q) (%, SA)	2	-	2
Source: ING, Bl	oomberg				

Author

Alissa Lefebre

Economist

alissa.lefebre@ing.com

Deepali Bhargava

Regional Head of Research, Asia-Pacific

Deepali.Bhargava@ing.com

Ruben Dewitte

Economist

+32495364780

ruben.dewitte@ing.com

Kinga Havasi

Economic research trainee

kinga.havasi@ing.com

Marten van Garderen

Consumer Economist, Netherlands

marten.van.garderen@ing.com

David Havrlant

Chief Economist, Czech Republic

420 770 321 486

david.havrlant@ing.com

Sander Burgers

Senior Economist, Dutch Housing sander.burgers@ing.com

Lynn Song

Chief Economist, Greater China lynn.song@asia.ing.com

Michiel Tukker

Senior European Rates Strategist michiel.tukker@ing.com

Michal Rubaszek

Senior Economist, Poland michal.rubaszek@ing.pl

This is a test author

Stefan Posea

Economist, Romania tiberiu-stefan.posea@ing.com

Marine Leleux

Sector Strategist, Financials marine.leleux2@ing.com

Jesse Norcross

Senior Sector Strategist, Real Estate <u>jesse.norcross@ing.com</u>

Teise Stellema

Research Assistant, Energy Transition teise.stellema@ing.com

Diederik Stadig

Sector Economist, TMT & Healthcare diederik.stadig@ing.com

Diogo Gouveia

Sector Economist diogo.duarte.vieira.de.gouveia@ing.com

Marine Leleux

Sector Strategist, Financials

marine.leleux2@ing.com

Ewa Manthey

Commodities Strategist ewa.manthey@ing.com

ING Analysts

James Wilson

EM Sovereign Strategist James.wilson@ing.com

Sophie Smith

Digital Editor sophie.smith@ing.com

Frantisek Taborsky

EMEA FX & FI Strategist <u>frantisek.taborsky@ing.com</u>

Adam Antoniak

Senior Economist, Poland adam.antoniak@ing.pl

Min Joo Kang

Senior Economist, South Korea and Japan min.joo.kang@asia.ing.com

Coco Zhang

ESG Research coco.zhang@ing.com

Jan Frederik Slijkerman

Senior Sector Strategist, TMT jan.frederik.slijkerman@ing.com

Katinka Jongkind

Senior Economist, Services and Leisure <u>Katinka.Jongkind@ing.com</u>

Marina Le Blanc

Sector Strategist, Financials Marina.Le.Blanc@ing.com

Samuel Abettan

Junior Economist samuel.abettan@inq.com

Franziska Biehl

Senior Economist, Germany <u>Franziska.Marie.Biehl@inq.de</u>

Rebecca Byrne

Senior Editor and Supervisory Analyst rebecca.byrne@ing.com

Mirjam Bani

Sector Economist, Commercial Real Estate & Public Sector (Netherlands) mirjam.bani@ing.com

Timothy Rahill

Credit Strategist timothy.rahill@ing.com

Leszek Kasek

Senior Economist, Poland leszek.kasek@ing.pl

Oleksiy Soroka, CFA

Senior High Yield Credit Strategist oleksiy.soroka@ing.com

Antoine Bouvet

Head of European Rates Strategy antoine.bouvet@ing.com

Jeroen van den Broek

Global Head of Sector Research jeroen.van.den.broek@ing.com

Edse Dantuma

Senior Sector Economist, Industry and Healthcare edse.dantuma@ing.com

Francesco Pesole

FX Strategist

francesco.pesole@ing.com

Rico Luman

Senior Sector Economist, Transport and Logistics Rico.Luman@ing.com

Jurjen Witteveen

Sector Economist

jurjen.witteveen@inq.com

Dmitry Dolgin

Chief Economist, CIS dmitry.dolgin@ing.de

Nicholas Mapa

Senior Economist, Philippines nicholas.antonio.mapa@asia.ing.com

Egor Fedorov

Senior Credit Analyst egor.fedorov@ing.com

Sebastian Franke

Consumer Economist sebastian.franke@ing.de

Gerben Hieminga

Senior Sector Economist, Energy gerben.hieminga@ing.com

Nadège Tillier

Head of Corporates Sector Strategy nadeqe.tillier@ing.com

Charlotte de Montpellier

Senior Economist, France and Switzerland charlotte.de.montpellier@ing.com

Laura Straeter

Behavioural Scientist +31(0)611172684 laura.Straeter@ing.com

Valentin Tataru

Chief Economist, Romania valentin.tataru@ing.com

James Smith

Developed Markets Economist, UK <u>james.smith@ing.com</u>

Suvi Platerink Kosonen

Senior Sector Strategist, Financials suvi.platerink-kosonen@ing.com

Thijs Geijer

Senior Sector Economist, Food & Agri thijs.geijer@ing.com

Maurice van Sante

Senior Economist Construction & Team Lead Sectors maurice.van.sante@inq.com

Marcel Klok

Senior Economist, Netherlands marcel.klok@ing.com

Piotr Poplawski

Senior Economist, Poland piotr.poplawski@ing.pl

Paolo Pizzoli

Senior Economist, Italy, Greece paolo.pizzoli@inq.com

Marieke Blom

Chief Economist and Global Head of Research marieke.blom@ing.com

Raoul Leering

Senior Macro Economist raoul.leering@ing.com

Maarten Leen

Head of Global IFRS9 ME Scenarios maarten.leen@ing.com

Maureen Schuller

Head of Financials Sector Strategy <u>Maureen.Schuller@ing.com</u>

Warren Patterson

Head of Commodities Strategy Warren.Patterson@asia.ing.com

Rafal Benecki

Chief Economist, Poland rafal.benecki@ing.pl

Philippe Ledent

Senior Economist, Belgium, Luxembourg philippe.ledent@ing.com

Peter Virovacz

Senior Economist, Hungary peter.virovacz@ing.com

Inga Fechner

Senior Economist, Germany, Global Trade inga.fechner@ing.de

Dimitry Fleming

Senior Data Analyst, Netherlands <u>Dimitry.Fleming@ing.com</u>

Ciprian Dascalu

Chief Economist, Romania +40 31 406 8990 ciprian.dascalu@ing.com

Muhammet Mercan

Chief Economist, Turkey muhammet.mercan@ingbank.com.tr

Iris Pang

Chief Economist, Greater China iris.pang@asia.ing.com

Sophie Freeman

Writer, Group Research +44 20 7767 6209 Sophie.Freeman@uk.ing.com

Padhraic Garvey, CFA

Regional Head of Research, Americas padhraic.garvey@ing.com

James Knightley

Chief International Economist, US <u>james.knightley@ing.com</u>

Tim Condon

Asia Chief Economist +65 6232-6020

Martin van Vliet

Senior Interest Rate Strategist +31 20 563 8801 martin.van.vliet@ing.com

Karol Pogorzelski

Senior Economist, Poland Karol.Pogorzelski@ing.pl

Carsten Brzeski

Global Head of Macro carsten.brzeski@ing.de

Viraj Patel

Foreign Exchange Strategist +44 20 7767 6405 viraj.patel@ing.com

Owen Thomas

Global Head of Editorial Content +44 (0) 207 767 5331 owen.thomas@ing.com

Bert Colijn

Chief Economist, Netherlands bert.colijn@inq.com

Peter Vanden Houte

Chief Economist, Belgium, Luxembourg, Eurozone peter.vandenhoute@ing.com

Benjamin Schroeder

Senior Rates Strategist benjamin.schroder@ing.com

Chris Turner

Global Head of Markets and Regional Head of Research for UK & CEE chris.turner@ing.com

Gustavo Rangel

Chief Economist, LATAM +1 646 424 6464 gustavo.rangel@ing.com

Carlo Cocuzzo

Economist, Digital Finance +44 20 7767 5306 carlo.cocuzzo@ing.com

16

Key events in EMEA and Latam next week

Sentiment indicators and rate decisions dominate EMEA and Latam markets in a particularly quiet week for most countries



Source: Shutterstock

Expect no surprises from the Hungarian central bank

In Hungary, the key event of a rather quiet week is the monetary policy meeting of the central bank.

We are confident that the National Bank of Hungary won't ruin any trader's, portfolio manager's or treasurer's vacations with a surprise move. The EUR/HUF has stabilised between the 322-325 range. Moreover, with oil prices heading south and the June inflation reading undershooting the NBH forecast, we don't see any reason why the central bank could change its monetary policy or its main messages regarding the forward guidance.

Turkey to tighten?

We expect the Turkish central bank to deliver a measured 100bp tightening on the back of the sharp deterioration in the inflation outlook and ongoing deterioration in forward-looking expectations.

Although the rebalancing has already started, it is likely to be the main theme for the rest of 2018.

Bundles | 20 July 2018

EMEA and Latam Economic Calendar

Country	Time	Data/event	ING	Survey	Prev.
		Friday 20 July			
Russia	-	Russia Sovereign Debt to be Rated by S&P			
Poland	0900	Jun Retail Sales (MoM/YoY%)	0.7/7.4	1.5/8.1	2.7/7.6
Czech Rep	-	Czech Sovereign Debt to be Rated by S&P			
Hungary	0800	May Avg Gross Wages (YoY%)	11.4	11.2	12.6
	-	Hungarian parliament May Pass 2019 Budget			
Serbia	-	May C/A (€mn)	-	-	-233.5
Croatia	-	Jun Unemployment Rate (%)	-	-	9.2
		Sunday 22 July			
Hungary	2300	Jul Economic Sentiment	9.7	-	9.8
	2300	Jul Business Confidence	14.8	-	15.3
	2300	Jul Consumer Confidence	-4.7	-	-5.7
		Monday 23 July			
Turkey	0800	Jul Consumer Confidence	-	-	70.28
Poland	1300	Jun M3 Money Supply (MoM/YoY%)	-/-	0.5/7.3	1.3/6.6
Kazakhstan	-	Jun M3 Money Supply (MoM%)	-	-	-0.5
		Tuesday 24 July			
Turkey	1200	Benchmark Repurchase Rate	18.75	-	17.75
Poland	0900	Jun Unemployment Rate (%)	-	5.9	6.1
Czech Rep	0800	Jul Business Confidence	-	-	17
	0800	Jul Consumer & Business Confidence	-	-	15.7
	0800	Jul Consumer Confidence	-	-	10.5
Hungary	1300	Policy Rate (%)	0.9	-	0.9
South Africa	0800	May Leading Indicator	-	-	105.9
		Wednesday 25 July			
Turkey	1230	Jul Real Sector Confidence Index SA	-	-	102.5
	1230	Jul Industrial Confidence	-	-	104.6
	1230	Jul Capacity Utilization (%)	-	-	78.3
Poland	-	Jun Budget Perf. (YTD)	-	-	42.7
	-	Jun Budget Level (YTD)	-	-	9585.34
Serbia	1100	May Real Wages (YoY%)	-	-	5
Croatia	1000	May Real Wages (YoY%)	-	-	4.6
Mexico	1400	May Retail Sales (YoY%)	2.2	-	3.3
		Thursday 26 July			
South Africa	1030	Jun PPI (MoM/YoY%)	-/-	-/-	0.7/4.6
Israel	1100	May Industrial Production (SA, MoM%)	-	-	2.2
Brazil	1430	Jun C/A Balance (\$mn)	100	-	729.23
Mexico	1400	Jun Unemployment Rate SA (%)	3.19	-	3.17
		Friday 27 July			
Russia	1130	Key Rate (%)	-	7.25	7.25
Israel	-	Jun Leading 'S' Indicator (MoM%)	-	-	0.25
Source: ING, Bl	oomberg				

Click here to download a printer-friendly version of this table

Author

Peter Virovacz
Senior Economist, Hungary
peter.virovacz@ing.com

Muhammet Mercan
Chief Economist, Turkey
muhammet.mercan@ingbank.com.tr

Disclaimer

This publication has been prepared by the Economic and Financial Analysis Division of ING Bank N.V. ("ING") solely for information purposes without regard to any particular user's investment objectives, financial situation, or means. ING forms part of ING Group (being for this purpose ING Group N.V. and its subsidiary and affiliated companies). The information in the publication is not an investment recommendation and it is not investment, legal or tax advice or an offer or solicitation to purchase or sell any financial instrument. Reasonable care has been taken to ensure that this publication is not untrue or misleading when published, but ING does not represent that it is accurate or complete. ING does not accept any liability for any direct, indirect or consequential loss arising from any use of this publication. Unless otherwise stated, any views, forecasts, or estimates are solely those of the author(s), as of the date of the publication and are subject to change without notice.

The distribution of this publication may be restricted by law or regulation in different jurisdictions and persons into whose possession this publication comes should inform themselves about, and observe, such restrictions.

Copyright and database rights protection exists in this report and it may not be reproduced, distributed or published by any person for any purpose without the prior express consent of ING. All rights are reserved. ING Bank N.V. is authorised by the Dutch Central Bank and supervised by the European Central Bank (ECB), the Dutch Central Bank (DNB) and the Dutch Authority for the Financial Markets (AFM). ING Bank N.V. is incorporated in the Netherlands (Trade Register no. 33031431 Amsterdam). In the United Kingdom this information is approved and/or communicated by ING Bank N.V., London Branch. ING Bank N.V., London Branch is authorised by the Prudential Regulation Authority and is subject to regulation by the Financial Conduct Authority and limited regulation by the Prudential Regulation Authority. ING Bank N.V., London branch is registered in England (Registration number BR000341) at 8-10 Moorgate, London EC2 6DA. For US Investors: Any person wishing to discuss this report or effect transactions in any security discussed herein should contact ING Financial Markets LLC, which is a member of the NYSE, FINRA and SIPC and part of ING, and which has accepted responsibility for the distribution of this report in the United States under applicable requirements.

Additional information is available on request. For more information about ING Group, please visit www.ing.com.