

Good MornING Asia - 9 July 2018

A tit-for-tat trade war will hurt China's economic growth in the second quarter and will put pressure on the yuan. Japan's activity indicators have slipped from 'good' to 'mediocre', but it's unclear if this downtrend will continue.

In this bundle



China China: The retaliation cycle

A tit-for-tat trade war will hurt China's economic growth in the second quarter and will put pressure on the yuan



Japan: Momentum slipping

Japan

Japan's activity indicators have slipped from 'good' to 'mediocre', but its unclear if this downtrend will continue

Article | 6 July 2018

China

China: The retaliation cycle

A tit-for-tat trade war will hurt China's economic growth in the second quarter and will put pressure on the yuan



The trade war officially begins

On Friday, the US imposed tariffs on \$34 billion of Chinese goods prompting China to respond with <u>levies of its own</u>. The US administration is keen to close the trade deficit, and it believes that imposing tariffs on China can do the trick. We don't agree with this rationale.

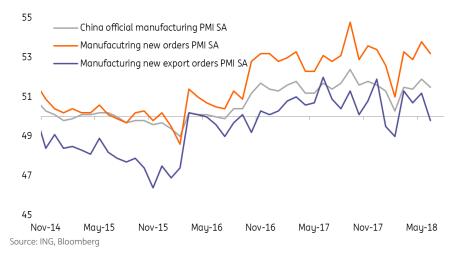
We expect that this is just the beginning of the trade war. The US will likely hit back, and though this may not happen immediately, it's just a matter of time. When the US does retaliate, China will too, probably without any delay. The momentum of this trade battle is controlled by the US. It can retaliate quickly to rock the market, or do so more slowly to allow investors to adjust.

Economic growth to soften in 2Q18

So how could this affect the economy? Well, tariffs don't just reduce the profit margins of exporters, they can also mean that exporters lose out on entire orders to other economies that trade similar goods. China's exports could be hit, and supply chain industries in China could be affected. This includes logistic services and packaging manufacturers, as well as the affected exporters' suppliers. This has been reflected in lower PMI readings (driven by lower export orders), which would imply lower 2H18 export activity. We suspect the negative impact from the trade war has yet to be fully reflected in the economic data.

But the threat from the trade war that has delayed investment decisions is not the only negative factor for the economy. Financial deleveraging reform is biting economic activity, especially in infrastructure investment, and therefore we have lowered our 2Q18 GDP forecast from 6.8% YoY to 6.7%.

PMI shows export orders shrinking while domestic orders holding up well



Supportive measures in 2H18 would stabilise growth

Having said that, we're still optimistic for economic growth in the second half of the year given the supportive measures being implemented by the government. Firstly, by not following the Fed in hiking the 7-day reverse repo and instead cutting the reserve ratio, the central bank (PBoC) has started to switch its monetary policy stance from tightening to loosening. These policies should help stabilise borrowing costs faced by corporates, especially SMEs, which could be hurt most by a trade war.

Secondly, there's fiscal spending, with participation in technology-related investment pools. Though these investment pools would not benefit export sectors, they would directly contribute to GDP, and raise the chances of China having its own high-tech components (for example advanced semiconductor chips) in the future.

We also expect other fiscal support - eg, restructuring the individual salary tax - to support domestic consumption, and could increase domestic sales to reduce the impact of tariffs on exports. In the past, this has not proved easy, because goods destined for export were considered to be too expensive for the domestic market. But this has changed. We expect that both the export market and the domestic market are now more compatible with an increasing middle class.

Put this all together, and our baseline case is that GDP will rise in the second half of 2018 at a rate of 6.7% year on year.

Yuan could continue to weaken as trade war continues

We have also revised our end-year <u>USD/CNY forecast to 7.0</u> from 6.60, and forecast the same USD/CNH as we believe the spread between CNY and CNH will continue to be small.

This revision reflects the fact that China has room to let the currency weaken by market forces in the middle of a trade war because it is opening up its market to attract more capital inflows. It reduces our previous concern that a weaker yuan would deplete foreign exchange reserves.

7.00 per dollar seems a steep depreciation but this speed is in line with <u>our forecasts of</u> <u>other Asian currencies</u>. China cannot defy gravity when it comes to appreciating against other Asian currencies, especially against Japan, South Korea and Taiwan because these are competitors in electronic exports. China won't depreciate against these Asian currencies because it won't initiate a currency war in the middle of a trade war.

ING global forecasts

QUA RTER ATTRE Uniced States GDP (% VoO), ann) 12 31 32 2.9 2.3 2.0 4.0 33 2.2 1.5 2.2 0.1 9 2.2 1.7 1.8 1.8 1.7 1.6 1.6 1.6 1.6 1.6 1.6 1.5 1.5 2.2 2.1 2.1 2.3 2.2 2.0 2.2 2.2 2.0 2.0 2.0 2.0 2.0 2.0 2			2017						2018F				1	2019F					2020		
GDP (% 0Q0, arm) 12 31 32 2.9 2.3 2.1 2.1 2.1 2.2 2.1 1.1 <		QUA	2Q	3Q	4Q	FY	10	20	3Q	4Q	FY	10	2Q	3Q	4Q	FY	10	2Q	3Q	4Q	FY
GP (% lood, ann) 27 30 29 28 24 15 15 17 16 16 17 17 17 16 12 03 12 14 13 15 14 14 13 15 14 14 13 15 14 14 14 14 14 15 17 14 16 16 17	GDP (% QoQ, ann) CPI headline (% YoY) Federal funds (%, eop) ¹ 3-month interest rate (%, eop) 10-year interest rate (%, eop) Fiscal balance (% of GDP) Fiscal thrust (% of GDP)	2.6 0.75 1.15	1.9 1.00 1.30	2.0 1.00 1.33	2.1 1.25 1.56	2.1 -3.5 0.0	2.3 1.50 2.30	2.7 1.75 2.35	2.9 2.00 2.62	2.6 2.25 2.84	2.6 -4.0 1.4	2.3 2.50 3.04	2.4 2.50 2.99	2.4 2.75 3.27	2.3 2.75 3.30	2.3 -4.7 0.8	2.3 3.00 3.55	2.2 3.25 3.72	2.1 3.25 3.54	1.9 3.00 3.46	1.8 2.1 -5.0 0.4 83.0
GP GO Construction Con	GDP (% QoQ, ann) CPI headline (% YoY) Refin minimum bid rate (%, eop) 3-month interest rate (%, eop) 10-year interest rate (%, eop) Fiscal balance (% of GDP) Fiscal thrust (% of GDP)	1.5 0.00 -0.33	1.3 0.00 -0.33	1.5 0.00 -0.33	1.4 0.00 -0.33	1.4 -0.9 0.2	1.3 0.00 -0.33	1.7 0.00 -0.33	2.0 0.00 -0.33	1.6 0.00 -0.33	1.7 -0.9 0.2	1.4 0.00 -0.25	1.6 0.00 -0.20	1.6 0.00 -0.10	1.7 0.25 0.10	1.6 0.25 0.10 0.80 -1.1 0.3	1.7 0.25 0.15	1.7 0.50 0.30	1.7 0.50 0.40	1.7 0.50 0.50	0.50
GDP (% VoY) 69 69 68 6.8 6.7 6.8 6.8 6.6 6.7 6.6 6.6 6.7 6.6 6.6 6.7 6.6 6.6 6.7 6.6 6.6 6.7 6.6 6.6 6.7 6.6 6.6 6.7 6.6 6.6 6.7 6.6 6.6 6.7 6.6 6.6 6.7 6.6 6.6 6.7 6.6 6.6 6.6 6.7 6.6 6.6 6.7 6.6 6.6 6.7 6.6 6.6 6.7 6.6 6.6 6.7 6.6 6.6 6.7 6.6 6.6 6.7 7 6.7 6.6 6.6 6.7 7 6.7 6.7 6.6 6.6 6.7 <td>GDP (% QoQ, ann) CPI headline (% YoY) Excess reserve rate (%) 3-month interest rate (%, eop) 10-year interest rate (%, eop) Fiscal balance (% of GDP)</td> <td>0.2 -0.1 0.00</td> <td>0.4 -0.1 0.00</td> <td>0.6 -0.1 0.00</td> <td>0.6 -0.1 0.00 0.10</td> <td>0.5 -4.8</td> <td>1.3 -0.1 0.00</td> <td>0.7 -0.1 0.00</td> <td>1.0 -0.1 0.00</td> <td>0.6 -0.1 0.00 0.10</td> <td>0.9 -4.1</td> <td>0.6 -0.1 0.0</td> <td>2.2 -0.1 0.0</td> <td>2.2 -0.1 0.05</td> <td>2.3 0.0 0.1</td> <td>-3.6</td> <td>2.3 0.0 0.1</td> <td>1.0 0.0 0.1</td> <td>1.0 0.0 0.1</td> <td>1.0 0.0 0.1 0.3</td> <td>0.6 1.0 -3.0 226.0</td>	GDP (% QoQ, ann) CPI headline (% YoY) Excess reserve rate (%) 3-month interest rate (%, eop) 10-year interest rate (%, eop) Fiscal balance (% of GDP)	0.2 -0.1 0.00	0.4 -0.1 0.00	0.6 -0.1 0.00	0.6 -0.1 0.00 0.10	0.5 -4.8	1.3 -0.1 0.00	0.7 -0.1 0.00	1.0 -0.1 0.00	0.6 -0.1 0.00 0.10	0.9 -4.1	0.6 -0.1 0.0	2.2 -0.1 0.0	2.2 -0.1 0.05	2.3 0.0 0.1	-3.6	2.3 0.0 0.1	1.0 0.0 0.1	1.0 0.0 0.1	1.0 0.0 0.1 0.3	0.6 1.0 -3.0 226.0
GDP (% QO), ann) 13 10 19 16 15 09 19 15 18 15 14 23 17 21 17 13 15	GDP (% YoY) CPI headline (% YoY) PBOC 7-day reverse repo rate (% eop) 10-year T-bond yield (%, eop) Fiscal balance (% of GDP)	1.4 2.45	1.4 2.45	1.6 2.45	1.8 2.50	1.6 -3.7	2.5 2.55	2.0 2.55	2.0	2.1 2.55	2.2 2.55 3.40 -3.5	1.9 2.55	1.9 2.60	1.9	2.0 2.70	1.9 2.70 3.00 -3.5	2.0 2.70	1.9 2.70	1.8 2.70	1.7	6.5 2.0 2.75 2.90 -3.5 100
	GPP (% QoQ, ann) CPI headine (% YOY) Bob official bank rate (%, eop) Bob Quantitative Easing (Ebn) 3-month interest rate (%, eop) 10-year interest rate (%, eop) Fiscal balance (% of GDP) Fiscal thrust (% of GDP)	2.1 0.25 445 0.35	2.7 0.25 445 0.35	2.8 0.25 445 0.35	3.0 0.50 445 0.52	2.7 0.50 -2.5 -0.5	2.7 0.50 445 0.60	2.5 0.75 445 0.80	2.5 0.75 445 0.80	2.3 0.75 445 0.80	0.75 445 0.80 1.80 -1.8 -0.4	2.2 0.75 445 0.85	2.1 1.00 445 1.05	1.9 1.00 445 1.05	2.0 1.00 445 1.05	1.00 445 1.05 2.0 -1.7 -0.4	2.1 1.25 445 1.30	2.2 1.25 445 1.35	2.2 1.50 445 1.60	2.1 1.50 445 1.65	2.2 1.50 445 1.65 2.2 -1.4 -0.3 85.5
USD/CNY (eop) 6.89 6.78 6.65 6.51 6.28 6.67 6.80 6.60 6.50 6.5 6.4 6.4 6.3 EUR/GBP (eop) 0.87 0.88 0.84 0.88 0.86 0.83 0.82 0.81 0.80	USD/JPY (eop) USD/CNY (eop)	112 6.89	115 6.78	110 6.65	113 6.51		107 6.28	110 6.67	110 6.80	110 7.00		108 7.00	105 6.80	102 6.60	100 6.50		98.0 6.5	95.0 6.4	93.0 6.4	90.0 6.3	

¹Lower level of 25bp range; 3-month interest rate forecast based on interbank rates Source: ING forecasts

Source: ING Global Research

Click here to download our global forecasts

Author

Iris Pang

Chief Economist, Greater China iris.pang@asia.ing.com Article | 6 July 2018

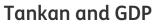
Japan

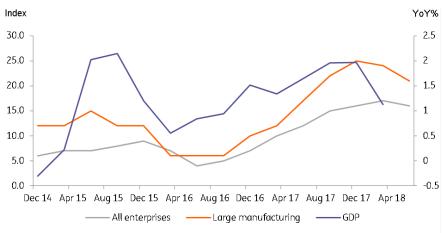
Japan: Momentum slipping

Japan's activity indicators have slipped from 'good' to 'mediocre', but its unclear if this downtrend will continue



Source: istock





Tankan survey and Japanese GDP

Japanese growth appears to have peaked in 1Q18, if the latest Tankan survey can be taken at face value, and unlike the official Japanese GDP data, it probably can. But although the headline index

fell, and by more than had been expected, there are one or two reasons not to get too downbeat about the Japanese economy just yet.

For starters, the non-manufacturing surveys- and diffusion indices for smaller firms- were a lot less negative (indeed, sometimes actually rose) than the large manufacturing series. Though this might simply be a factor of timing. Large manufacturing firms are typically more export-oriented and so have probably been more rapidly affected by plunging sentiment about trade and export orders than their more domestically-oriented and smaller suppliers and service sector support firms. Should the global trading environment worsen further - and we expect it to do so - then it is probably only a matter of time before these other firms go the same way as their larger manufacturing counterparts.

Investment intentions higher?



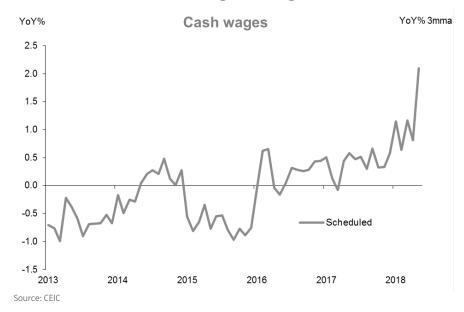
from 6.3% in 2017

But don't forget investment

Investment has really picked up the pace. And the thing about investment is that when it is growing, it usually does so far faster than the underlying pace of other GDP growth, lifting other sectors in its wake.

Admittedly, the profit outlook detailed in the latest Tankan survey wasn't too impressive, but that, in turn, may reflect some higher employment and even stronger wages growth. Scheduled cash earnings in April slid back to 0.9% year on year, but this looks like noise, and the recent sharp uptrend in wages growth still looks firmly in place.

So all things considered, the Japanese outlook remains reasonably good with stronger domestic demand helping to offset what looks like an unavoidable, but moderate slowdown in the manufacturing export sector.



Scheduled cash earnings - they haven't done this for ages

Bank of Japan still hamstrung by inappropriate inflation target

All this leaves the Bank of Japan (BoJ) wrestling with a policy target that it will never reach (2.0% inflation), and the latest tick higher by the Tokyo headline CPI index leaves it barely over a quarter (0.6%YoY) of the target.

The 10-year Japanese government bond (JGB) has seen its yield slide in recent weeks, now at just 0.033%. With little pressure for yields to do anything but decline, the BoJ has continued its policy of opportunistic skipping of scheduled bond purchases and flagrant backsliding compared to its targeted pace of asset accumulation. We can only expect this backsliding to continue or even increase as time goes on.

Meanwhile, the cover the BoJ has been waiting for from the European Central Bank (ECB) tapering its policy has not been forthcoming, as clever sleight of hand by the ECB has enabled it to move towards a taper, even the end of negative deposit rates, but in such a slow and disappointing fashion in terms of foreign exchange markets, that it has provided little if any diversion for the BoJ to undertake a similar directional move. This is unlikely to change in the current environment, and we have pushed back the timing of the BoJ's own end to negative rates until 2020.

ING global forecasts

			2017				2018F					2019F						2020F		_
	FIRST QUA RTER	2Q	3Q	4Q	FY	10	2Q	3Q	4Q	FY	10	2Q	3Q	4Q	FY	10	2Q	3Q	4Q	F
United States GDP (% QoQ, ann) (CP headline (% YoY) Federal funds (% eop) ¹ 3-month interest rate (%, eop) 10-year interest rate (%, eop) Fiscal balance (% of GDP) Fiscal thrust (% of GDP) Debt held by public (% of GDP)	1.2 2.6 0.75 1.15 2.40	1.30	3.2 2.0 1.00 1.33 2.30	2.9 2.1 1.25 1.56 2.40	2.3 2.1 -3.5 0.0 76.1	2.0 2.3 1.50 2.30 3.00	4.0 2.7 1.75 2.35 3.00	2.62	2.3 2.6 2.25 2.84 3.20	2.9 2.6 -4.0 1.4 77.3	1.5 2.3 2.50 3.04 3.30	2.99	2.0 2.4 2.75 3.27 3.20	1.9 2.3 2.75 3.30 3.20	2.2 2.3 -4.7 0.8 79.8	3.55		3.54	1.7 1.9 3.00 3.46 2.90	1.0 2.5 0.4 83.0
Eurozone GOP (% Q-Q, ann) CPI headline (% YoY) Refinitinium bid rate (%, eop) 3-month interest rate (%, eop) Fiscal balance (% of GDP) Fiscal balance (% of GDP) Fiscal betWGDP (%)	-0.33	-0.33	2.9 1.5 0.00 -0.33 0.45	-0.33	2.4 1.4 -0.9 0.2 89.2	-0.33	1.5 1.7 0.00 -0.33 0.30	-0.33		2.0 1.7 -0.9 0.2 87.7	-0.25	-0.20	1.6 1.6 0.00 -0.10 0.70	0.10		0.15	1.6 1.7 0.50 0.30 1.00	0.40	0.50	0.50
Japan GDP (% QoQ, ann) CPI headline (% YoY) Excess reserve rate (%) 3-month interest rate (%, eop) 10-year interest rate (%, eop) Fiscal balance (% of GDP) Gross public deUGDP (%)	1.9 0.2 -0.1 0.00 0.10	2.3 0.4 -0.1 0.00 0.10	1.6 0.6 -0.1 0.00 0.10	1.3 0.6 -0.1 0.00 0.10	1.7 0.5 -4.8 221.0		1.8 0.7 -0.1 0.00 0.10			1.0 0.9 -4.1 223.0	6.1 0.6 -0.1 0.0 0.1	-7.8 2.2 -0.1 0.0 0.1	1.2 2.2 -0.1 0.05 0.1	1.4 2.3 0.0 0.1 0.1	0.7 1.8 -3.6 224.0	11 2.3 0.0 0.1 0.2	1.1 1.0 0.0 0.1 0.2	1.1 1.0 0.0 0.1 0.2	1.1 1.0 0.0 0.1 0.3	0.6 1.0 -3.0 226.0
China GDP (% YoY) CPI headline (% YoY) PBOC 7-day reverse repo rate (% eop) 10-yeor 7-bond yield (%, eop) Fiscol balance (% of GDP) Public debt, inc local govt (% GDP)	6.9 1.4 2.45 3.29		6.8 1.6 2.45 3.61	6.8 1.8 2.50 3.90	6.9 1.6 -3.7 50.0	6.8 2.5 2.55 3.75	6.7 2.0 2.55 3.54		6.8 2.1 2.55 3.40	6.8 2.2 2.55 3.40 -3.5 85.0			6.6 1.9 2.65 3.10	6.6 2.0 2.70 3.00	6.7 1.9 2.70 3.00 -3.5 100				6.4 1.7 2.75 2.90	
UK GDP (% QoQ, ann) CPI headline (% YoY) BoE official bank rate (%, eop) BoE Quantitative Easing (Ebn) 3-month interest rate (%, eop) Fixed balance (% of GDP) Fixed balance (% of GDP) Fixed brust (% of GDP) Gross public debu/GDP (%)		445 0.35	1.9 2.8 0.25 445 0.35 1.35	1.6 3.0 0.50 445 0.52 1.20	1.5 2.7 0.50 -2.5 -0.5 87.0	0.9 2.7 0.50 445 0.60 1.45	1.9 2.5 0.75 445 0.80 1.48	445 0.80	1.8 2.3 0.75 445 0.80 1.80	2.5 0.75 445 0.80 1.80 -1.8 -0.4 86.5		445 1.05	445	1.7 2.0 1.00 445 1.05 2.00	2.0 1.00 445 1.05 2.0 -1.7 -0.4 86.0	2.1 2.1 1.25 445 1.30 2.1	445	1.7 2.2 1.50 445 1.60 2.2	1.7 2.1 1.50 445 1.65 2.2	445
EUR/USD (eop) USD/JPY (eop) USD/CNY (eop) EUR/GBP (eop)	1.08 112 6.89 0.87	115 6.78	1.20 110 6.65 0.94	113 6.51		107	1.17 110 6.67 0.88	110 6.80	1.23 110 7.00 0.86		108 7.00	105 6.80	1.33 102 6.60 0.81	100 6.50			1.37 95.0 6.4 0.8			
Brent Crude (US\$/bbl, avg)	55	51	52	61	55	67	72	70	68	69	64	66	67	66	66	61.0	66.0	71.0	66.0	66 (

*Lower level of 25bp range; 3-month interest rate forecast based on int Source: ING forecasts

Source: ING Global Research

Click here to download our global forecasts

Author

Amrita Naik Nimbalkar

Junior Economist, Global Macro amrita.naik.nimbalkar@ing.com

Mateusz Sutowicz

Senior Economist, Poland mateusz.sutowicz@ing.pl

Alissa Lefebre

Economist alissa.lefebre@ing.com

Deepali Bhargava

Regional Head of Research, Asia-Pacific <u>Deepali.Bhargava@ing.com</u> 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 jesse.norcross@ing.com

Teise Stellema Research Assistant, Energy Transition <u>teise.stellema@ing.com</u>

Diederik Stadig Sector Economist, TMT & Healthcare <u>diederik.stadig@ing.com</u>

Diogo Gouveia Sector Economist <u>diogo.duarte.vieira.de.gouveia@ing.com</u>

Marine Leleux Sector Strategist, Financials marine.leleux2@ing.com

Ewa Manthey Commodities Strategist <u>ewa.manthey@ing.com</u>

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 frantisek.taborsky@ing.com

Adam Antoniak Senior Economist, Poland adam.antoniak@ing.pl

Min Joo Kang Senior Economist, South Korea and Japan <u>min.joo.kang@asia.ing.com</u>

Coco Zhang ESG Research <u>coco.zhang@ing.com</u>

Jan Frederik Slijkerman

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

Katinka Jongkind Senior Economist, Services and Leisure Katinka.Jongkind@ing.com

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

Samuel Abettan Junior Economist samuel.abettan@ing.com

Franziska Biehl Senior Economist, Germany Franziska.Marie.Biehl@ing.de

Rebecca Byrne Senior Editor and Supervisory Analyst <u>rebecca.byrne@ing.com</u>

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 <u>Rico.Luman@ing.com</u>

Jurjen Witteveen Sector Economist jurjen.witteveen@ing.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 nadege.tillier@ing.com

Charlotte de Montpellier Senior Economist, France and Switzerland <u>charlotte.de.montpellier@ing.com</u>

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 james.smith@ing.com

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

Thijs Geijer Senior Sector Economist, Food & Agri <u>thijs.geijer@ing.com</u>

Maurice van Sante

Senior Economist Construction & Team Lead Sectors <u>maurice.van.sante@ing.com</u>

Marcel Klok Senior Economist, Netherlands <u>marcel.klok@ing.com</u>

Piotr Poplawski Senior Economist, Poland piotr.poplawski@ing.pl

Paolo Pizzoli Senior Economist, Italy, Greece <u>paolo.pizzoli@ing.com</u>

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 <u>ciprian.dascalu@ing.com</u>

Muhammet Mercan

Chief Economist, Turkey <u>muhammet.mercan@ingbank.com.tr</u>

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

james.knightley@ing.com

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 <u>viraj.patel@ing.com</u>

Owen Thomas

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

Bert Colijn Chief Economist, Netherlands bert.colijn@ing.com

Peter Vanden Houte Chief Economist, Belgium, Luxembourg, Eurozone <u>peter.vandenhoute@ing.com</u>

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

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.