

## Good MornING Asia - 28 April 2020

Markets rise on another "whatever it takes" - this time from the Bank of Japan. But is there any room for more?

### In this bundle



#### Japan | Thailand

##### BoJ's "whatever it takes"

Markets rise on another "whatever it takes" - this time from the Bank of Japan. But is there any room for more?



#### Asia Morning Bites

##### ASEAN Morning Bytes

Hopeful trends emerge on the Covid-19 front but growth data later in the week should remind investors of the downturn ahead.



#### China

##### China: Industrial profits continued nosedive

China's industrial profits growth has kept falling sharply. External demand has shrunk and is having a feedback effect on China's domestic...



#### Philippines

##### Philippines: Lockdown extension all but knocks out chances for growth in 2Q

Covid-19 is kryptonite to the Philippine economy, with GDP expected to contract for the first time since 1998

## BoJ's "whatever it takes"

Markets rise on another "whatever it takes" - this time from the Bank of Japan. But is there any room for more?



Source: istock

### Glass half empty, cracked, with a dead spider in it

OK, I'm not known for my sunny disposition, but even I can see that yesterday's Bank of Japan (BoJ) "Whatever it takes" announcement could be viewed positively by investors in risk assets. That basically makes it all the big central banks. Smaller central banks also all seem to be doing about as much as they can, with a few more rate cuts from some still to come, and a bit more liquidity from RRR cuts mixed with a bit of financial forbearance on things like leverage ratios for banks (Bank of England's latest). But basically, the monetary spigots are wide open.

Just to briefly re-cap on yesterday's BoJ pledges. These amount to the following (my views in parentheses)

1. The current Japanese Government Bond (JGB) target of JPY80tr per year of outright purchases to be replaced by "unlimited" JGB purchases (yet the BoJ were not even needing to buy that amount in order to hit their zero % yield target for the 10Y JGB - so surely this is the removal of a non-binding constraint?)
2. A quadrupling of their corporate bond purchases (this is a bit more meaningful)
3. Enhance the "special funds" supplying operation. This includes: a) expanding the range of eligible collateral b) increase the number of eligible counterparties and c) apply a positive interest rate of 0.1% on balances held by banks corresponding to loans extended through

this operation.

For more detail, [here is the BoJ's own account of its enhanced measures](#).

The final measure seems a bit of a hybrid of the Bank of England's funding for lending scheme, mixed with the Fed's Interest on Excess Reserves, and should help with corporate liquidity problems.

But, and I think it is worth returning to this, the BoJ's outlook for growth for 2020 is -3 to -5% (ING f -4.9% towards the bottom of this range) and the outlook for inflation is -0.7% to -0.3%. The outlooks for fiscal 2021 look fanciful and overly optimistic at 2.8% to 3.9% - basically saying that 2021 returns all the lost growth on top of the underlying growth rate for a net "no loss" position. That is basically nonsense. [See the BoJ's argument and make your own mind up](#).

The BoJ's forecasts, I think, encapsulate what a lot of market participants are assuming about this crisis, which makes them blind to current bad news, but celebrate every positive policy response. And I struggle with this. I think they are assuming:

1. It will basically all be over by Jan 1 2021 (there's a lot of optimism in a vaccine)...
2. ...and no second wave, despite some questionable opening ups in some parts of the world, and still worsening case counts in others.
3. It will have left no residual damage, so output lost will be restored with pent up demand returning us to more or less where we would have been before

In short, a nasty, but temporary interlude from the prevailing growth trend.

All of these assumptions seem highly questionable to me. I would prefer a base pricing model that assumed the following:

- Some permanent and perhaps substantial loss of potential output due to business failures, in spite of Central banks best efforts
- Jan 2021 is not "business as usual, but some social distancing measures remain. International travel remains a shadow of its former self, consumer spending on services remains dampened, and manufacturing adopts new, clunkier and probably less efficient and less profitable (but safer) supply chains.
- This may also be wrapped up with a more nationalistic policy on supply, possibly tied around a flaring up of trade war issues once more.

So as I said, I can't blame the market for reacting positively to news like this, or indeed the continued progress towards re-opening. But for me, the present value of the future I see, does not warrant these levels. I'm not a buyer.

## Asia today

There's not much else going on today: Prakash Sakpal writes this on Thailand: "The Thai government is planning to extend its state of emergency by a month until 31 May. Meanwhile, the country's tourism authority has dashed hopes of a near-term economic recovery as it expects a 60% plunge in tourist arrivals this year with this, in turn, denting tourism income by at least half. All this adds to the downside risk to our view of a 7.7% YoY GDP fall in 2Q20 and full-year contraction of 4.3%. We expect an additional 50 basis point central bank (BoT) rate cut this quarter, taking rates to a record low of 0.25%, fueling the need for unconventional easing after that".

## Author

### **Amrita Naik Nimbalkar**

Junior Economist, Global Macro  
[amrita.naik.nimbalkar@ing.com](mailto:amrita.naik.nimbalkar@ing.com)

### **Alissa Lefebvre**

Economist  
[alissa.lefebvre@ing.com](mailto:alissa.lefebvre@ing.com)

### **Deepali Bhargava**

Regional Head of Research, Asia-Pacific  
[Deepali.Bhargava@ing.com](mailto:Deepali.Bhargava@ing.com)

### **Ruben Dewitte**

Economist  
+32495364780  
[ruben.dewitte@ing.com](mailto:ruben.dewitte@ing.com)

### **Kinga Havasi**

Economic research trainee  
[kinga.havasi@ing.com](mailto:kinga.havasi@ing.com)

### **Marten van Garderen**

Consumer Economist, Netherlands  
[marten.van.garderen@ing.com](mailto:marten.van.garderen@ing.com)

### **David Havrlant**

Chief Economist, Czech Republic  
420 770 321 486  
[david.havrlant@ing.com](mailto:david.havrlant@ing.com)

### **Sander Burgers**

Senior Economist, Dutch Housing  
[sander.burgers@ing.com](mailto:sander.burgers@ing.com)

### **Lynn Song**

Chief Economist, Greater China  
[lynn.song@asia.ing.com](mailto:lynn.song@asia.ing.com)

### **Michiel Tukker**

Senior European Rates Strategist  
[michiel.tukker@ing.com](mailto:michiel.tukker@ing.com)

### **Michal Rubaszek**

Senior Economist, Poland  
[michal.rubaszek@ing.pl](mailto:michal.rubaszek@ing.pl)

**This is a test author**

**Stefan Posea**

Economist, Romania

[tiberiu-stefan.posea@ing.com](mailto:tiberiu-stefan.posea@ing.com)

**Marine Leleux**

Sector Strategist, Financials

[marine.leleux2@ing.com](mailto:marine.leleux2@ing.com)

**Jesse Norcross**

Senior Sector Strategist, Real Estate

[jesse.norcross@ing.com](mailto:jesse.norcross@ing.com)

**Teise Stellema**

Research Assistant, Energy Transition

[teise.stellema@ing.com](mailto:teise.stellema@ing.com)

**Diederik Stadig**

Sector Economist, TMT & Healthcare

[diederik.stadig@ing.com](mailto:diederik.stadig@ing.com)

**Diogo Gouveia**

Sector Economist

[diogo.duarte.vieira.de.gouveia@ing.com](mailto:diogo.duarte.vieira.de.gouveia@ing.com)

**Marine Leleux**

Sector Strategist, Financials

[marine.leleux2@ing.com](mailto:marine.leleux2@ing.com)

**Ewa Manthey**

Commodities Strategist

[ewa.manthey@ing.com](mailto:ewa.manthey@ing.com)

**ING Analysts**

**James Wilson**

EM Sovereign Strategist

[James.wilson@ing.com](mailto:James.wilson@ing.com)

**Sophie Smith**

Digital Editor

[sophie.smith@ing.com](mailto:sophie.smith@ing.com)

**Frantisek Taborsky**

EMEA FX & FI Strategist

[frantisek.taborsky@ing.com](mailto:frantisek.taborsky@ing.com)

**Adam Antoniak**

Senior Economist, Poland

[adam.antoniak@ing.pl](mailto:adam.antoniak@ing.pl)

**Min Joo Kang**

Senior Economist, South Korea and Japan

[min.joo.kang@asia.ing.com](mailto:min.joo.kang@asia.ing.com)

**Coco Zhang**

ESG Research

[coco.zhang@ing.com](mailto:coco.zhang@ing.com)

**Jan Frederik Slijkerman**

Senior Sector Strategist, TMT

[jan.frederik.slijkerman@ing.com](mailto:jan.frederik.slijkerman@ing.com)

**Katinka Jongkind**

Senior Economist, Services and Leisure

[Katinka.Jongkind@ing.com](mailto:Katinka.Jongkind@ing.com)

**Marina Le Blanc**

Sector Strategist, Financials

[Marina.Le.Blanc@ing.com](mailto:Marina.Le.Blanc@ing.com)

**Samuel Abettan**

Junior Economist

[samuel.abettan@ing.com](mailto:samuel.abettan@ing.com)

**Franziska Biehl**

Senior Economist, Germany

[Franziska.Marie.Biehl@ing.de](mailto:Franziska.Marie.Biehl@ing.de)

**Rebecca Byrne**

Senior Editor and Supervisory Analyst

[rebecca.byrne@ing.com](mailto:rebecca.byrne@ing.com)

**Mirjam Bani**

Sector Economist, Commercial Real Estate & Public Sector (Netherlands)

[mirjam.bani@ing.com](mailto:mirjam.bani@ing.com)

**Timothy Rahill**

Credit Strategist

[timothy.rahill@ing.com](mailto:timothy.rahill@ing.com)

**Leszek Kasek**

Senior Economist, Poland

[leszek.kasek@ing.pl](mailto:leszek.kasek@ing.pl)

**Oleksiy Soroka, CFA**

Senior High Yield Credit Strategist

[oleksiy.soroka@ing.com](mailto:oleksiy.soroka@ing.com)

**Antoine Bouvet**

Head of European Rates Strategy

[antoine.bouvet@ing.com](mailto:antoine.bouvet@ing.com)

**Jeroen van den Broek**

Global Head of Sector Research

[jeroen.van.den.broek@ing.com](mailto:jeroen.van.den.broek@ing.com)

**Edse Dantuma**

Senior Sector Economist, Industry and Healthcare

[edse.dantuma@ing.com](mailto:edse.dantuma@ing.com)

**Francesco Pesole**

FX Strategist

[francesco.pesole@ing.com](mailto:francesco.pesole@ing.com)

**Rico Luman**

Senior Sector Economist, Transport and Logistics

[Rico.Luman@ing.com](mailto:Rico.Luman@ing.com)

**Jurjen Witteveen**

Sector Economist

[jurjen.witteveen@ing.com](mailto:jurjen.witteveen@ing.com)

**Dmitry Dolgin**

Chief Economist, CIS

[dmitry.dolgin@ing.de](mailto:dmitry.dolgin@ing.de)

**Nicholas Mapa**

Senior Economist, Philippines

[nicholas.antonio.mapa@asia.ing.com](mailto:nicholas.antonio.mapa@asia.ing.com)

**Egor Fedorov**

Senior Credit Analyst

[egor.fedorov@ing.com](mailto:egor.fedorov@ing.com)

**Sebastian Franke**

Consumer Economist

[sebastian.franke@ing.de](mailto:sebastian.franke@ing.de)

**Gerben Hieminga**

Senior Sector Economist, Energy

[gerben.hieminga@ing.com](mailto:gerben.hieminga@ing.com)

**Nadège Tillier**

Head of Corporates Sector Strategy

[nadege.tillier@ing.com](mailto:nadege.tillier@ing.com)

**Charlotte de Montpellier**

Senior Economist, France and Switzerland

[charlotte.de.montpellier@ing.com](mailto:charlotte.de.montpellier@ing.com)

**Laura Straeter**

Behavioural Scientist

+31(0)611172684

[laura.Straeter@ing.com](mailto:laura.Straeter@ing.com)

**Valentin Tataru**

Chief Economist, Romania

[valentin.tataru@ing.com](mailto:valentin.tataru@ing.com)

**James Smith**

Developed Markets Economist, UK

[james.smith@ing.com](mailto:james.smith@ing.com)

**Suvi Platerink Kosonen**

Senior Sector Strategist, Financials

[suvi.platerink-kosonen@ing.com](mailto:suvi.platerink-kosonen@ing.com)

**Thijs Geijer**

Senior Sector Economist, Food & Agri

[thijs.geijer@ing.com](mailto:thijs.geijer@ing.com)

**Maurice van Sante**

Senior Economist Construction & Team Lead Sectors

[maurice.van.sante@ing.com](mailto:maurice.van.sante@ing.com)

**Marcel Klok**

Senior Economist, Netherlands

[marcel.klok@ing.com](mailto:marcel.klok@ing.com)

**Piotr Poplawski**

Senior Economist, Poland

[piotr.poplawski@ing.pl](mailto:piotr.poplawski@ing.pl)

**Paolo Pizzoli**

Senior Economist, Italy, Greece

[paolo.pizzoli@ing.com](mailto:paolo.pizzoli@ing.com)

**Marieke Blom**



Chief Economist and Global Head of Research

[marieke.blom@ing.com](mailto:marieke.blom@ing.com)

**Raoul Leering**

Senior Macro Economist

[raoul.leering@ing.com](mailto:raoul.leering@ing.com)

**Maarten Leen**

Head of Global IFRS9 ME Scenarios

[maarten.leen@ing.com](mailto:maarten.leen@ing.com)

**Maureen Schuller**

Head of Financials Sector Strategy

[Maureen.Schuller@ing.com](mailto:Maureen.Schuller@ing.com)

**Warren Patterson**

Head of Commodities Strategy

[Warren.Patterson@asia.ing.com](mailto:Warren.Patterson@asia.ing.com)

**Rafal Benecki**

Chief Economist, Poland

[rafal.benecki@ing.pl](mailto:rafal.benecki@ing.pl)

**Philippe Ledent**

Senior Economist, Belgium, Luxembourg

[philippe.ledent@ing.com](mailto:philippe.ledent@ing.com)

**Peter Virovacz**

Senior Economist, Hungary

[peter.virovacz@ing.com](mailto:peter.virovacz@ing.com)

**Inga Fechner**

Senior Economist, Germany, Global Trade

[inga.fechner@ing.de](mailto:inga.fechner@ing.de)

**Dimitry Fleming**

Senior Data Analyst, Netherlands

[Dimitry.Fleming@ing.com](mailto:Dimitry.Fleming@ing.com)

**Ciprian Dascalu**

Chief Economist, Romania

+40 31 406 8990

[ciprian.dascalu@ing.com](mailto:ciprian.dascalu@ing.com)

**Muhammet Mercan**

Chief Economist, Turkey

[muhammet.mercan@ingbank.com.tr](mailto:muhammet.mercan@ingbank.com.tr)

**Iris Pang**

Chief Economist, Greater China

[iris.pang@asia.ing.com](mailto:iris.pang@asia.ing.com)

**Sophie Freeman**

Writer, Group Research

+44 20 7767 6209

[Sophie.Freeman@uk.ing.com](mailto:Sophie.Freeman@uk.ing.com)

**Padhraic Garvey, CFA**

Regional Head of Research, Americas

[padhraic.garvey@ing.com](mailto:padhraic.garvey@ing.com)

**James Knightley**

Chief International Economist, US

[james.knightley@ing.com](mailto: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](mailto:martin.van.vliet@ing.com)

**Karol Pogorzelski**

Senior Economist, Poland

[Karol.Pogorzelski@ing.pl](mailto:Karol.Pogorzelski@ing.pl)

**Carsten Brzeski**

Global Head of Macro

[carsten.brzeski@ing.de](mailto:carsten.brzeski@ing.de)

**Viraj Patel**

Foreign Exchange Strategist

+44 20 7767 6405

[viraj.patel@ing.com](mailto:viraj.patel@ing.com)

**Owen Thomas**

Global Head of Editorial Content

+44 (0) 207 767 5331

[owen.thomas@ing.com](mailto:owen.thomas@ing.com)

**Bert Colijn**

Chief Economist, Netherlands

[bert.colijn@ing.com](mailto:bert.colijn@ing.com)

**Peter Vanden Houte**

Chief Economist, Belgium, Luxembourg, Eurozone

[peter.vandenhoute@ing.com](mailto:peter.vandenhoute@ing.com)

**Benjamin Schroeder**

Senior Rates Strategist

[benjamin.schroeder@ing.com](mailto:benjamin.schroeder@ing.com)

**Chris Turner**

Global Head of Markets and Regional Head of Research for UK & CEE

[chris.turner@ing.com](mailto:chris.turner@ing.com)

**Gustavo Rangel**

Chief Economist, LATAM

+1 646 424 6464

[gustavo.rangel@ing.com](mailto:gustavo.rangel@ing.com)

**Carlo Cocuzzo**

Economist, Digital Finance

+44 20 7767 5306

[carlo.cocuzzo@ing.com](mailto:carlo.cocuzzo@ing.com)

## ASEAN Morning Bytes

Hopeful trends emerge on the Covid-19 front but growth data later in the week should remind investors of the downturn ahead.



### EM Space: Central bank meetings and GDP data to give cues for trading

- **General Asia:** Investor sentiment will take its cue from economic data reports from major markets in the coming week even as previous virus hotspots rollout plans to gradually reopen their economies. GDP data and meetings of key central banks will be the focus for the coming days while hopeful trends on the virus front will likely be countered by rounds of expectedly poor economic data and the continued rise in new Covid-19 cases in other jurisdictions.
- **Thailand:** The Thai government is planning to extend its state of emergency by a month until 31 May. Meanwhile, the country's tourism authority has dashed hopes of a near-term economic recovery as it expects a 60% plunge in tourist arrivals this year with this, in turn, denting tourism income by at least half. All this adds to the downside risk to our view of a 7.7% YoY GDP fall in 2Q20 and full-year contraction of 4.3%. We expect an additional 50 basis point central bank (BoT) rate cut this quarter, taking rates to a record low of 0.25%, fueling the need for unconventional easing after that.
- **Philippines:** Bangko Sentral ng Pilipinas (BSP) predicts GDP growth to slip to -0.2% in 2020 as Governor Diokno pledged additional stimulus to help stave off an impending economic downturn. Diokno indicated that he was open to cutting rates further and reducing reserve

requirements but we believe he may be running out of conventional policy space after committing several rounds of rate cuts to date. Meanwhile, the Treasury announced a fresh round of Dollar-denominated borrowing with the Philippines set to issue \$1bn worth of bonds likely split between the 10-year and 25-year tenors. The issuance should help bolster the PHP in the near term but reports that up to 90,000 migrant Filipinos are now unemployed should limit the Peso's gains.

## What to look out for: GDP data, central bank meetings and Covid-19 developments

- Philippines remittances and GIR (28 April)
- US wholesale inventories and consumer expectations (28 April)
- Singapore unemployment (29 April)
- US GDP and pending home sales (29 April)
- FOMC meeting (30 April)
- China PMI manufacturing and non-manufacturing (30 April)
- Thailand trade (30 April)
- Taiwan GDP (30 April)
- ECB meeting (30 April)
- US personal spending and core PCE (30 April)
- US ISM PMI manufacturing (1 May)

### Author

#### Nicholas Mapa

Senior Economist, Philippines

[nicholas.antonio.mapa@asia.ing.com](mailto:nicholas.antonio.mapa@asia.ing.com)

## China: Industrial profits continued nosedive

China's industrial profits growth has kept falling sharply. External demand has shrunk and is having a feedback effect on China's domestic demand. We expect a combination of fiscal and monetary policy to keep SMEs and jobs stable.



Source: Shutterstock

### Another deep fall in industrial profits

Industrial profits fell 34.9%YoY in March after falling 38.3%YoY in January to February.

The continued deep fall in industrial profits shows that China has faced a continued fall in demand for goods from foreign economies due to Covid-19's impact on those economies' job markets and wages growth.

**-34.9%** China industrial profits  
%YoY in March

## Profits may not come back as lockdowns relax

The re-opening of a few European and US cities does not mean a meaningful rebound of activity and demand for goods and services even in these places. Unemployment rates are rising, and even those hanging on to jobs could face a fall in wages.

This means that the demand for goods in a large part of the world will be weaker than in pre-Covid-19 times. As such manufacturing and exports from China will continue to face difficulties.

Industrial profits will have to rely more on domestic demand. But conditions are not much better in China. With the shrinkage in demand from overseas, factories are receiving fewer export orders, and they too need fewer employees or may need to cut wages. There will be also challenges from domestic demand.

## In need of a combined fiscal and monetary policy

Interest rates and RRR cuts are still necessary as these will lower interest rates for the whole economy.

But there are limitations on monetary policy tools. Smaller firms are more at risk as they are less likely to get loans from banks due to their weak credit profile.

So fiscal policy will fill the gaps, and It is expected that the government will help those SMEs with guarantees so that banks can be confident to approve their loans.

We expect 4 more rate cuts and 6 more RRR cuts. But these monetary policies will really only be effective if there is matching fiscal support. We expect the Two Sessions will reveal more fiscal stimulus. For now, we estimate the size of fiscal stimulus at 6% to 8% of GDP.

### Author

#### Iris Pang

Chief Economist, Greater China

[iris.pang@asia.ing.com](mailto:iris.pang@asia.ing.com)



# Philippines: Lockdown extension all but knocks out chances for growth in 2Q

Covid-19 is kryptonite to the Philippine economy, with GDP expected to contract for the first time since 1998



Source: Shutterstock

## Consumption machine

In the wake of the Asian Financial Crisis (AFC), the Philippines entered a recession but subsequently posted what will likely be 85 straight quarters of positive growth. Riding a wave of stable consumption from a burgeoning population, the Philippine economy rode out every crisis since 1998, with domestic incomes augmented by overseas Filipino remittances. More recently, the Philippines had posted a sterling run of growth above 6% with a combination of robust household consumption, capital formation and government spending. The streak of positive growth however may come to an end in 2020.

## Kryptonite to the economic engine

Pre Covid-19, the Philippines was enjoying a nice growth spurt helped along by the demographic dividend and supported by remittances sent home by migrant Filipino workers. Remittances have been a big part of the economic resilience, providing both dollar liquidity and peso purchasing power with remittance growth sustained even during economic downturns. The natural hedge of Filipinos based in almost every corner of the globe meant that region specific recessions could be offset by remittances sent from other countries. 2020 and the Covid-19 pandemic however



changes the equation for the Philippine economy, knocking out heavyweight household consumption (lockdown measures) and [negating the boon of remittances](#).

## Government signals technical recession

Government officials signalled the possibility for the economy to enter a technical recession beginning in 2Q 2020 with Secretary Carlos Dominguez flagging a best case 0% growth for the economy. We expect a sharp deceleration in growth momentum for both 2Q and 3Q with a marginal recovery by the end of the year. The extension of the lockdown for a whole month (ends 15 May), coupled with a modest response from the fiscal sector all but scuttles hopes for growth in 2Q with the lockdown period extending deep into the quarter. Meanwhile, 3Q output may also contract as consumer and business sentiment will likely stay impaired significantly even after the lockdown is lifted.

## U-shaped recovery

We have likened Covid-19 to kryptonite to the once robust economy and we now expect a deep drop in performance as the virus knocks out the Philippines' greatest strengths. The Philippines will be missing the support from remittance flows, which will take the wind out of consumption momentum with up to 90,000 migrant Filipinos losing their jobs due to the virus. Onshore, the services-oriented economy is not likely to jump out of the gates after the lockdown as social distancing curtails businesses where human interaction is unavoidable. To date, the fiscal response has remained modest even as the lockdown was extended a full month and as it remains meagre we expect GDP to contract by 2.2% in 2020 with negative growth in both 2Q and 3Q.

### Author

#### Nicholas Mapa

Senior Economist, Philippines

[nicholas.antonio.mapa@asia.ing.com](mailto:nicholas.antonio.mapa@asia.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](http://www.ing.com).