

Bundles | 20 February 2018

# Good MornING Asia - 20 February 2018

Singapore's growth-friendly budget for 2018 suggests no change to the central bank's neutral policy stance at April's semi-annual meeting. Slowdown in Thailand's economic growth reinforces consensus forecast of stable central bank policy through 2018

# In this bundle



Singapore

# Singapore delays consumption tax hike

Expansionary fiscal policy suggests the Monetary Authority of Singapore will maintain its neutral policy stance at April's semiannual meeting



# Thailand's growth ends 2017 on a weak note

Persistent weak domestic demand undermines official optimism on 2018 growth outlook

Article | 19 February 2018

Singapore

# Singapore delays consumption tax hike

Expansionary fiscal policy suggests the Monetary Authority of Singapore will maintain its neutral policy stance at April's semi-annual meeting



Container yard

# No GST hike until 2021

In a pleasant surprise, Singapore's 2018 Budget released today did not include the most anticipated Goods and Service Tax hike from this year. The rumoured two percentage point hike in the GST to 9% (phased over two years) was postponed by the government to sometime between 2021 to 2025, although it would still be dependent on the state of the economy, the buoyancy of taxes and expenditure growth. However, the authorities would still bring e-services (not e-commerce for goods) from overseas suppliers under the GST net from 2020.

# Secure future amid ageing population

The budget aims to develop a vibrant and innovative economy with a fiscally sustained and secure future amid Singapore's ageing population. The proposed GST hike is one initiative to cope with future challenges to the economy and strengthen public finances.

In the next decade, between 2021 to 2030, if we do not take measures early, we will not have enough revenues to meet our growing needs. - Finance Minister Heng Swee Keat.

# Expansionary budget initiatives in 2018

- Increased social spending (proximity housing grants, extended conservancy and service charges rebate for public housing, retirement and healthcare spending)
- One-off payback of some of the 2017 budget surplus to Singaporeans
- Extended corporate tax rebate and wage credit scheme
- Funding support for companies to adopt productivity-enhancing technology and solutions
- Increased tax deductions on licensing payment for commercial use of intellectual property
- Increased infrastructure spending

# Among key revenue-raising measures are:

- Hike in stamp duty on residential properties
- Introduction of carbon tax
- Hike in domestic workers' levy
- Increase in sin tax on tobacco

9.6bn 2017 fiscal surplus in SGD

Better than expected

# A small fiscal deficit in 2018

The expenditure in fiscal year 2018 is projected to rise by 8.3% and the overall budget shortfall is projected at SGD 0.6bn (about 0.1% of GDP). This marks a sharp reversal from the SGD 9.6bn (2.1% of GDP) fiscal surplus in 2017, which beat the projection of a SGD 1.9bn surplus (0.4% of GDP), thanks mainly to a surge in investment income and stamp duty collection. The Budget assumes GDP growth in 2018 slightly above the middle of the official forecast range of 1.5-3.5% (3.6% in 2016).

# Reduced odds of MAS tightening

The expansionary fiscal policy suggests the Monetary Authority of Singapore, the central bank, will maintain its neutral policy stance at its semi-annual meeting in April. Whether growth will be sustained at the 3%-plus pace of the last two years depends on how exports perform, especially after a strong run in the last year. Recent export data hasn't been encouraging. And the continued macro-prudential tightening measures for the housing and automobile sectors will keep inflation subdued. The MAS is only forecasting inflation in a 0-1% range in 2018. This not a cause for concern, nor a strong argument for the central bank to join the global tightening cycle as yet.

# 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 <u>alissa.lefebre@ing.com</u>

# Deepali Bhargava

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

#### **Ruben Dewitte**

Economist +32495364780 <u>ruben.dewitte@ing.com</u>

# 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 <a href="mailto:sander.burgers@ing.com">sander.burgers@ing.com</a>

#### 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 <a href="mailto:tiberiu-stefan.posea@ing.com">tiberiu-stefan.posea@ing.com</a>

#### 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 <u>diederik.stadig@ing.com</u>

# Diogo Gouveia

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

#### Marine Leleux

Sector Strategist, Financials marine.leleux2@ing.com

# Ewa Manthey

Commodities Strategist <a href="mailto:ewa.manthey@ing.com">ewa.manthey@ing.com</a>

# **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 Katinka.Jongkind@ing.com

#### Marina Le Blanc

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

#### Samuel Abettan

Junior Economist <a href="mailto:samuel.abettan@ing.com">samuel.abettan@ing.com</a>

#### Franziska Biehl

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

#### Rebecca Byrne

Senior Editor and Supervisory Analyst <a href="mailto:rebecca.byrne@ing.com">rebecca.byrne@ing.com</a>

#### Mirjam Bani

Sector Economist, Commercial Real Estate & Public Sector (Netherlands) <a href="mailto:mirjam.bani@ing.com">mirjam.bani@ing.com</a>

# Timothy Rahill

Credit Strategist <a href="mailto:timothy.rahill@ing.com">timothy.rahill@ing.com</a>

#### Leszek Kasek

Senior Economist, Poland <a href="mailto:leszek.kasek@ing.pl">leszek.kasek@ing.pl</a>

# Oleksiy Soroka, CFA

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

#### **Antoine Bouvet**

Head of European Rates Strategy <a href="mailto:antoine.bouvet@ing.com">antoine.bouvet@ing.com</a>

#### Jeroen van den Broek

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

#### Edse Dantuma

Senior Sector Economist, Industry and Healthcare <a href="mailto:edse.dantuma@ing.com">edse.dantuma@ing.com</a>

#### Francesco Pesole

FX Strategist

francesco.pesole@ing.com

#### Rico Luman

Senior Sector Economist, Transport and Logistics <a href="mailto:Rico.Luman@ing.com">Rico.Luman@ing.com</a>

# Jurjen Witteveen

Sector Economist jurjen.witteveen@ing.com

# **Dmitry Dolgin**

Chief Economist, CIS <a href="mailto:dmitry.dolgin@ing.de">dmitry.dolgin@ing.de</a>

#### 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 <a href="mailto:nadege.tillier@ing.com">nadege.tillier@ing.com</a>

# Charlotte de Montpellier

Senior Economist, France and Switzerland <a href="mailto:charlotte.de.montpellier@ing.com">charlotte.de.montpellier@ing.com</a>

#### 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 <u>suvi.platerink-kosonen@inq.com</u>

# Thijs Geijer

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

#### Maurice van Sante

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

#### Marcel Klok

Senior Economist, Netherlands marcel.klok@inq.com

# Piotr Poplawski

Senior Economist, Poland piotr.poplawski@ing.pl

#### Paolo Pizzoli

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

#### Marieke Blom

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

#### **Raoul Leering**

Senior Macro Economist raoul.leering@inq.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 <a href="mailto:philippe.ledent@ing.com">philippe.ledent@ing.com</a>

# **Peter Virovacz**

Senior Economist, Hungary <a href="mailto:peter.virovacz@ing.com">peter.virovacz@ing.com</a>

# Inga Fechner

Senior Economist, Germany, Global Trade <a href="mailto:inga.fechner@ing.de">inga.fechner@ing.de</a>

# **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 <a href="mailto:muhammet.mercan@ingbank.com.tr">muhammet.mercan@ingbank.com.tr</a>

# 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 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@ing.com

#### Peter Vanden Houte

Chief Economist, Belgium, Luxembourg, Eurozone <a href="mailto:peter.vandenhoute@ing.com">peter.vandenhoute@ing.com</a>

# Benjamin Schroeder

Senior Rates Strategist benjamin.schroder@ing.com

# **Chris Turner**

Global Head of Markets and Regional Head of Research for UK & CEE <a href="mailto:chris.turner@ing.com">chris.turner@ing.com</a>

# Gustavo Rangel

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

# Carlo Cocuzzo

Economist, Digital Finance +44 20 7767 5306 <u>carlo.cocuzzo@ing.com</u>

# Thailand's growth ends 2017 on a weak note

Persistent weak domestic demand undermines official optimism on 2018 growth outlook



Source: Shutterstock

4%

4Q17 GDP growth

YoY

Worse than expected

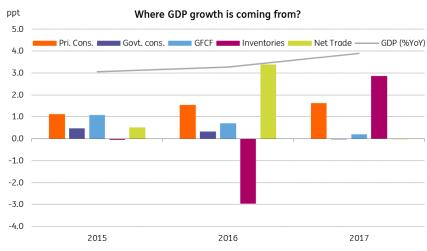
# GDP growth slows in 4Q17

Consistent with our forecast, Thailand joined the majority of Asian economies in posting an economic slowdown in the final quarter of 2017. At 4.0% year-on-year in 4Q17, GDP growth came in below the consensus forecast, which was centred on an unchanged pace of 4.3% posted in 3Q17 (ING forecast 3.9%). A moderation of both exports and industrial production growth, as well as persistent weak domestic spending, were behind our below-consensus 3.9% forecast.

The slowdown from 3Q17 was broad-based. The contribution of all main domestic spending components – private consumption, government consumption and gross fixed capital formation –

to headline GDP growth narrowed. The same was true for net exports despite an acceleration in trade growth. Inventories remained the main expenditure-side driver of GDP growth, accounting for more than half of the GDP growth in the last quarter. On the industry side, agriculture and manufacturing were the main drags.

# What's driving GDP growth?



Note: Bars sum to total GDP growth

Source: Bloomberg, ING

# **Outlook for 2018**

This puts the full-year 2017 GDP growth at 3.9%, an acceleration from 3.3% in the previous year (revised up from 3.2%). The pick up in growth in the last year was mostly an inventory story rather than improvement in underlying economic fundamentals (see chart). Thailand's National Economic and Social Development Board (NESDB), the agency responsible for national accounts statistics, forecasts 2018 GDP growth in a 3.6-4.6% range. The Bank of Thailand (BoT), the central bank, forecasts it at 3.8%. We are again below consensus with our 3.5% growth forecast for this year (consensus 3.9%).

We consider the official optimism on growth unfounded unless it receives support from a recovery in domestic spending, while de-stocking will likely weigh on growth. This means the economy will need further support from exports. However, the Thai baht's (THB) appreciation works to dampen external demand. We do not think the BoT will want to complicate matters by joining the global tightening cycle, while weak domestic demand and low inflation warrant no BoT tightening anytime soon.

# What's driving THB appreciation?

There has been no let-up in the THB uptrend coming into 2018, with 4.2% year-to-date appreciation already against the USD. The key force behind the THB strength is the high current account surplus. At about 11% of GDP in 2017, the surplus was barely changed from 2016. The large current account surplus is the result of weak domestic demand. The textbook remedy for such an imbalance is demand-boosting economic policies. With no scope for monetary easing, more needs to come from the fiscal side. Without this, a repeat of 2017's THB performance looks difficult this year. The NESDB forecasts THB averaging somewhere between 31.5-32.5 per USD in

2018 (spot 31.3). We are reviewing our end-2018 forecast of 30.6 for upward revision (consensus 31.3).

#### **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 <u>alissa.lefebre@ing.com</u>

# Deepali Bhargava

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

#### **Ruben Dewitte**

Economist +32495364780 <u>ruben.dewitte@ing.com</u>

# 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 <a href="mailto:tiberiu-stefan.posea@ing.com">tiberiu-stefan.posea@ing.com</a>

# Marine Leleux

Sector Strategist, Financials marine.leleux2@ing.com

#### **Jesse Norcross**

Senior Sector Strategist, Real Estate jesse.norcross@inq.com

#### Teise Stellema

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

# Diederik Stadig

Sector Economist, TMT & Healthcare <a href="mailto:diederik.stadig@ing.com">diederik.stadig@ing.com</a>

# Diogo Gouveia

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

#### Marine Leleux

Sector Strategist, Financials marine.leleux2@ing.com

# Ewa Manthey

Commodities Strategist <a href="mailto:ewa.manthey@ing.com">ewa.manthey@ing.com</a>

# **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 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

Katinka.Jongkind@ing.com

#### Marina Le Blanc

Sector Strategist, Financials

Marina.Le.Blanc@inq.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

rebecca.byrne@ing.com

#### Mirjam Bani

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

mirjam.bani@inq.com

# Timothy Rahill

Credit Strategist

timothy.rahill@ing.com

#### Leszek Kasek

Senior Economist, Poland <a href="mailto:leszek.kasek@ing.pl">leszek.kasek@ing.pl</a>

#### 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 <a href="mailto:edse.dantuma@ing.com">edse.dantuma@ing.com</a>

# 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@ing.com

# **Dmitry Dolgin**

Chief Economist, CIS <a href="mailto:dmitry.dolgin@ing.de">dmitry.dolgin@ing.de</a>

# Nicholas Mapa

Senior Economist, Philippines <a href="mailto:nicholas.antonio.mapa@asia.ing.com">nicholas.antonio.mapa@asia.ing.com</a>

#### **Egor Fedorov**

Senior Credit Analyst eqor.fedorov@ing.com

#### Sebastian Franke

Consumer Economist sebastian.franke@inq.de

# Gerben Hieminga

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

# Nadège Tillier

Head of Corporates Sector Strategy <a href="mailto:nadege.tillier@ing.com">nadege.tillier@ing.com</a>

# Charlotte de Montpellier

Senior Economist, France and Switzerland <a href="mailto:charlotte.de.montpellier@ing.com">charlotte.de.montpellier@ing.com</a>

#### 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 <u>maurice.van.sante@inq.com</u>

#### 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@ing.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 <a href="mailto:philippe.ledent@ing.com">philippe.ledent@ing.com</a>

# **Peter Virovacz**

Senior Economist, Hungary <a href="mailto:peter.virovacz@ing.com">peter.virovacz@ing.com</a>

# Inga Fechner

Senior Economist, Germany, Global Trade <a href="mailto:inga.fechner@ing.de">inga.fechner@ing.de</a>

# **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 Coliin

Chief Economist, Netherlands bert.coliin@ing.com

#### Peter Vanden Houte

Chief Economist, Belgium, Luxembourg, Eurozone <a href="mailto:peter.vandenhoute@ing.com">peter.vandenhoute@ing.com</a>

#### 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.