# **MACROscope** Lite

# Warm, but the sky is clouded

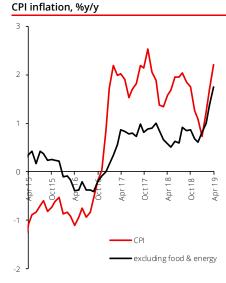
The Polish economy remained strong, even though despite economists, including us, were broadly expecting a slowdown. Flash GDP for 1Q19 showed a high 4.6% y/y, only slightly below 4.9% y/y posted in 4Q18. Seasonally-adjusted guarterly growth rate at 1.4% has been one of the best results since the start of the recovery. We will get to see the detailed breakdown on 31 May but the data we already have available suggest that the growth fundamentals will remain healthy, with no signs of overheating after a long growth streak, no negative blow to net exports stemming from the weaker condition in the euro zone and no signs of hesitant investment policy given worries about global economic growth in 2H19. Even though the economic cycle is quite mature, figures from companies employing 50 and more showed investment growth at 21.7% y/y - the highest since 2007. In our view, this may be partially labelled as a response to the labour market squeeze. The spread between Poland's and Germany's industrial output and export growth is still positive for our country. The balance of payments has even shown exports rising faster than imports - a phenomenon not recorded for some time already. And this happened despite strong domestic demand in Poland and weaker growth as well as falling leading indicators in the euro zone. What is more, the Polish economy showed a strong opening of 2Q with industrial output and retail sales coming well above expectations, triggering a wave of 2019 GDP forecast upgrades on the market. We agree that some upside adjustment is needed but, on the other hand, the external environment makes us stay cautious in terms of optimism. After all, along the strong Polish data came news about further escalation of US-China trade war and a risk of conflict between the USA and Iran. As a result we now see 2019 GDP growth at 4.3%.

As regards companies in 1Q19, we learned not only that they intensified their investment effort but also that they continued to see their margins falling. According to the government's agreement with the European Commission, from July on bigger companies will be buying energy at market prices, which will be another factor driving their costs up. Assumptions that companies will switch to a more aggressive pricing policy in order to improve their reduced profitability is one of the key arguments behind our expected CPI path. Our forecast assumes inflation reaching the 2.5% y/y target in May/June and ending the year near 3% y/y, with risk skewed upwards due to the unfreezing of energy prices and retailer tax to be introduced next year. Detailed data on CPI in April showed a major acceleration in service prices but this was partially due to a really strong hike in transport prices before Easter and May holiday, which could be reversed later on. Still, food and fuel prices went higher and higher pushing our CPI forecast for May to 2.4-2.5% y/y.

• The European elections showed a clear advantage of the governing party, PiS, over Koalicja Europejska (coalition of opposition parties). In our opinion it means that government will not be under pressure to escalate promises before the autumn elections. In a wider European perspective, the EP elections have brought a certain increase of power of liberal and green parties. It may make it more difficult to set up the new European Commission as well as to create a new common economic policy, especially regarding the tolerance with respect to the EU members' fiscal stimuli at the expense of wider deficits.

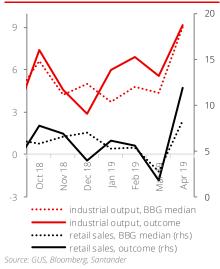
We have not observed any meaningful changes on the Polish FX market for a long time already and the situation has not changed recently. EURPLN is holding the "May pattern" we described last month and have moved somewhat higher as global growth concerns spurred the risk aversion and sent global equity indexes down. However, the zloty is performing quite well, possibly owing to the solid Polish macro data – it came the 7th among the EM fx vs USD in May with only the Thai baht in green. Strong data from Poland are likely to make **zloty outperform other CEE currencies**. Still, we do not expect the Polish currency to gain until the global market mood improves for longer and we see convincing data that the euro zone economy has reached the bottom of the slowdown.

Polish domestic yields rose temporarily at the beginning of May in reaction to higherthan-expected inflation data in Poland and euro zone. Further in the month the yields were falling, following the core markets, which slid in response to the rising expectations of global slowdown. We believe that **yields and IRS rates will be decreasing further over June**, especially in the 5-10Y segment. A short pause is possible at the beginning of June, when the Polish inflation data and US labour market data are released.



Source: GUS, NBP, Santandei

#### Economic performance vs forecasts, %y/y



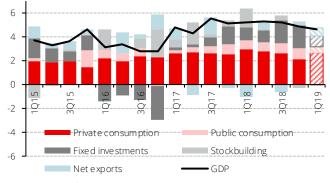
#### **Economic Analysis Department:**

al. Jana Pawła II 17, 00-854 Warszawa email: ekonomia@santander.pl website www: skarb.santander.pl Maciej Reluga – Chief Economist +48 22 5341888 Piotr Bielski +48 22 534 18 87 Marcin Luziński +48 22 534 18 85 Grzegorz Ogonek +48 22 534 19 23 Konrad Soszyński +48 22 534 18 86 Marcin Sulewski, CFA +48 22 534 18 84

# 📣 Santander

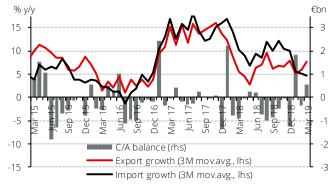
### Economy in charts

GDP growth in 1Q19 was above expectations...

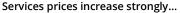


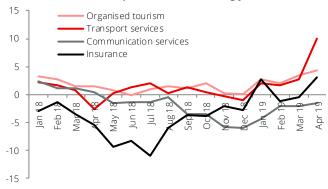
Source: GUS, Santander





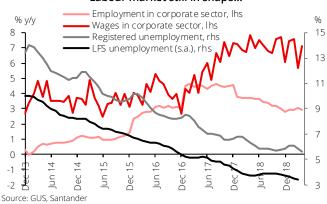
Source: NBP, Santander

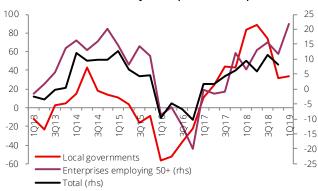




Source: GUS, Santander

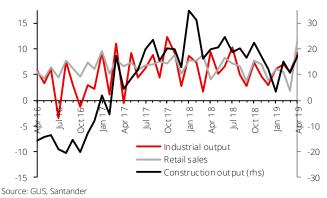
Labour market still in shape ...



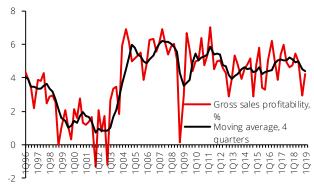


Source: Ministry of Finance, GUS, Santander

... first data from 2Q also exceeded expectations.



... corporate margins still go down.



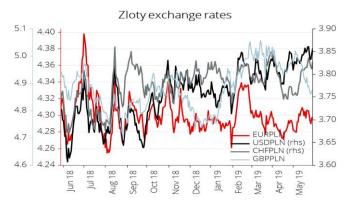
Source: GUS, NBP, Santander



Source: ZUS, Santander

...investment is likely to surprise to the upside...

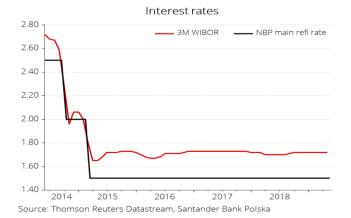
### Markets in charts



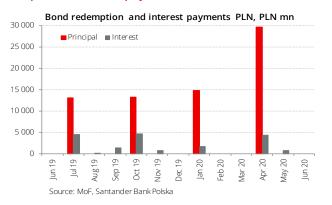
Source: Thomson Reuters Datastream, Santander Bank Polska



Source: Thomson Reuters Datastream, Santander Bank Polska

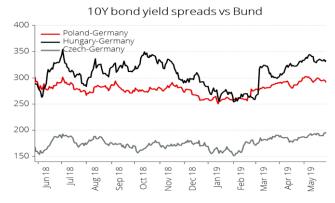


### Principal and interest payments

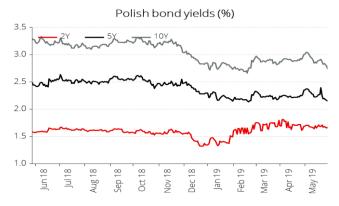




Source: Thomson Reuters Datastream, Santander Bank Polska



Source: Thomson Reuters Datastream, Santander Bank Polska



Source: Thomson Reuters Datastream, Santander Bank Polska

Foreign currency denominated bond redemption and 25 000 interest payments, PLN mn Principal Interest 20 000 15 000 10 000 5 000 0 Jan 20 Apr 20 May 20 σ <u>\_</u> Feb 20 Mar 20 Jun 20 σ σ σ σ σ Ē Aug 1 Sep dt 0 Š S Dec Source: MoF, Santander Bank Polska

### Economic Calendar

MONDAY	TUESDAY	THURSDAY	FRIDAY			
<mark>27 May</mark> PL: Unemployment rate (Apr)	28 HU: Central bank decision US: Consumer confidence index (May)	29	30 US: Preliminary GDP (Q1) US: Pending home sales (May)	31 PL: GDP (Q1) CZ: Flash GDP (Q1) HU: Flash GDP (Q1) US: Michigan index (May) US: Personal spending (Apr) US: Personal income (Apr)		
<b>3 June</b> PL: PMI – manufacturing (May) DE: PMI - manufacturing (May) EZ: PMI – manufacturing (May) US: ISM – manufacturing (May)	4 <b>PL: Flash CPI (May)</b> EZ: Flash HICP (May) US: Industrial orders (Apr)	5 <b>PL: MPC decision</b> DE: PMI – services (May) EZ: PMI – services (May) EZ: Retail sales (Apr) US: ADP report (May) US: ISM – services (May) US: Fed Beige Book	6 EZ: ECB decision DE: Industrial orders (Apr) CZ: Industrial output (Apr) HU: Industrial output (Apr) EZ: GDP (Q1)	7 DE: Industrial output (Apr) DE: Exports (Apr) HU: Inflation (May) US: Non-farm payrolls (May) US: Unemployment rate (May)		
10	11 CZ: Inflation (May)	12 US: Inflation (May)	13 <b>PL: Balance of payments (Apr</b> EZ: Industrial output (Apr)	14 <b>') PL: Inflation (May)</b> US: Retail sales (May) US: Industrial output (May) US: Flash Michigan (Jun)		
17 PL: Core inflation (May)	18 EZ: HICP (May) DE: ZEW (Jun) US: House starts (May)	19 PL: Employment (May) PL: Wages (May) US: FOMC decision	20 US: Philly Fed index (Jun)	21 PL: Industrial output (May) PL: PPI (May) PL: MPC minutes DE: Flash PMI – manufacturing (Jun) DE: Flash PMI – services (Jun) EZ: Flash PMI – manufacturing (Jun) EZ: Flash PMI – services (Jun) US: Home sales (May)		
24 PL: Construction and assembly output (May) PL: Retail sales (May) DE: Ifo (Jun)	25 PL: Money supply (May) HU: Central bank decision US: New home sales (May) US: Consumer confidence index (May)	26 <b>PL: Unemployment rate (May</b> ) CZ: Central bank decision US: Durable goods orders (May)	US: Pending home sales (May)	28 <b>PL: Flash CPI (Jun)</b> EZ: Flash HICP (Jun) CZ: GDP (Q1) US: Personal spending (May) US: Personal income (May) US: Michigan index (Jun)		
<b>1 July</b> <b>PL: PMI – manufacturing (Jun)</b> DE: PMI - manufacturing (Jun) EZ: PMI – manufacturing (Jun) US: ISM – manufacturing (Jun)	2	3 <b>PL: MPC decision</b> DE: PMI – services (Jun) EZ: PMI – services (Jun) US: ISM – services (Jun) US: ADP report (Jun)	4 EZ: Retail sales (May)	5 DE: Industrial orders (May) US: Non-farm payrolls (Jun) US: Unemployment rate (Jun) HU: Industrial output (May)		

Source: GUS, NBP, Ministry of Finance, Bloomberg

### Calendar of MPC meetings and data releases for 2019

	I	П	III	IV	V	VI	VII	VIII	IX	х	XI	XII
ECB decision	24	-	7	10	-	6	25	-	12	24	-	12
MPC decision	30	-	20	-	1	19	31	-	18	30	-	11
MPC minutes	9	6	6	3	15	5	3	-	11	2	6	4
Flash GDP*	31	21	21	18	30	21	-	22	26	17	21	19
GDP*	31	14	-	-	15	-	-	14	-	-	14	-
СРІ	-	28	-	-	31	-	-	30	-	-	29	-
Core inflation	15	15	15	15	15	14	15	14	13	15	14	13
PPI	-	-	18	16	16	17	16	16	16	16	15	16
Industrial output	18	19	20	18	22	21	18	21	19	18	22	19
Retail sales	18	20	20	18	22	21	18	21	19	18	22	19
Gross wages, employment	22	21	21	23	23	24	19	22	20	21	25	20
Foreign trade	18	19	19	17	21	19	17	20	18	17	21	18
Balance of payments*	about 50 working days after reported period											
Balance of payments	-	-	29									
Money supply	14	13	18	12	14							
ECB decision	23	22	22	23	24							

## Economic data and forecasts for Poland

### Monthly economic indicators

		May 18	Jun 18	Jul 18	Aug 18	Sep 18	Oct 18	Nov 18	Dec 18	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19
PMI	pts	53.3	54.2	52.9	51.4	50.5	50.4	49.5	47.6	48.2	47.6	48.7	49.0	49.5	49.9
Industrial production	% y/y	5.2	6.7	10.3	5.0	2.7	7.4	4.6	2.9	6.0	6.9	5.6	9.2	8.5	2.8
Construction production	% y/y	20.7	24.7	18.7	20.1	16.5	22.5	17.0	12.3	3.2	15.1	10.8	17.4	15.6	5.3
Retail sales <sup>a</sup>	% y/y	7.6	10.3	9.3	9.0	5.6	9.7	8.2	4.7	6.6	6.5	3.1	13.6	7.3	5.8
Unemployment rate	%	6.1	5.8	5.8	5.8	5.7	5.7	5.7	5.8	6.1	6.1	5.9	5.6	5.4	5.2
Gross wages in corporate sector	% y/y	7.0	7.5	7.2	6.8	6.7	7.6	7.7	6.1	7.5	7.6	5.7	7.1	7.9	7.1
Employment in corporate sector	% y/y	3.7	3.7	3.5	3.4	3.2	3.2	3.0	2.8	2.9	2.9	3.0	2.9	2.8	2.7
Exports (€)	% y/y	1.5	7.7	12.0	8.9	-1.5	13.2	7.6	2.3	5.0	10.0	7.9	11.4	7.4	1.5
Imports (€)	% y/y	4.1	9.4	12.4	14.0	4.2	18.0	9.1	2.3	4.9	7.8	1.4	10.4	8.4	3.5
Trade balance	EUR mn	-242.0	-369.0	-236.0	-542	-544	-467	10	-1 220	-290	-367	589	171	-438	-751
Current account balance	EUR mn	236.0	192.0	-754.0	-1 005	-876	-482	-29	-1 248	1 825	-342	533	-12	258	214
Current account balance	% GDP	-0.2	-0.1	-0.2	-0.4	-0.6	-0.7	-0.7	-0.7	-0.8	-0.7	-0.4	-0.4	-0.4	-0.4
Budget balance (cumulative)	PLN bn	9.6	9.5	-0.9	1.1	3.2	6.5	11.1	-10.4	6.6	-0.8	-4.5	-0.1	-1.4	-2.5
Budget balance (cumulative)	% of FY plan	-23.1	-23.0	2.1	-2.5	-7.7	-15.6	-26.7	25.1	-23.1	2.8	15.7	0.3	4.9	8.7
СЫ	% y/y	1.7	2.0	2.0	2.0	1.9	1.8	1.3	1.1	0.7	1.2	1.7	2.2	2.5	2.6
CPI excluding food and energy	% y/y	0.5	0.6	0.6	0.9	0.8	0.9	0.7	0.6	0.8	1.0	1.4	1.7	2.0	2.1
PPI	% y/y	3.0	3.7	3.4	3.0	3.0	3.2	2.8	2.1	2.2	2.9	2.5	2.6	1.7	1.9
Broad money (M3)	% y/y	6.6	7.3	7.3	7.5	7.9	8.3	8.8	9.2	8.8	9.8	9.9	10.4	10.1	10.1
Deposits	% y/y	6.0	6.7	6.8	7.0	6.9	7.6	8.1	8.7	8.4	9.3	9.7	10.5	9.4	9.5
Loans	% y/y	5.5	5.6	5.6	6.1	5.9	6.7	7.0	7.6	7.4	7.5	8.1	7.7	6.5	6.4
EUR/PLN	PLN	4.28	4.30	4.33	4.29	4.30	4.31	4.30	4.29	4.29	4.31	4.30	4.29	4.30	4.30
USD/PLN	PLN	3.63	3.69	3.70	3.71	3.69	3.75	3.79	3.77	3.76	3.80	3.80	3.81	3.83	3.84
CHF/PLN	PLN	3.64	3.73	3.72	3.75	3.81	3.77	3.78	3.80	3.80	3.79	3.80	3.79	3.75	3.74
Reference rate <sup>b</sup>	%	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
3M WIBOR	%	1.70	1.70	1.70	1.70	1.71	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72
Yield on 2-year T-bonds	%	1.57	1.60	1.63	1.61	1.60	1.58	1.58	1.44	1.41	1.62	1.71	1.71	1.70	1.65
Yield on 5-year T-bonds	%	2.49	2.48	2.52	2.50	2.56	2.52	2.46	2.37	2.23	2.19	2.23	2.23	2.10	2.10
Yield on 10-year T-bonds	%	3.23	3.23	3.18	3.15	3.24	3.23	3.20	2.93	2.80	2.75	2.88	2.90	2.68	2.72

Note: <sup>a</sup> in nominal terms, <sup>b</sup> at the end of the period. Source: GUS, NBP, Finance Ministry, Santander Bank Polska estimates.

#### Quarterly and annual economic indicators

		2016	2017	2018	2019E	1Q18	2Q18	3Q18	4Q18	1Q19	2Q19E	3Q19E	4Q19E
GDP	PLN bn	1 861.1	1 989.3	2 115.7	2 252.3	487.1	507.6	525.2	595.8	520.9	541.6	558.3	631.5
GDP	% y/y	3.1	4.8	5.1	4.3	5.2	5.3	5.2	4.9	4.6	4.3	4.4	4.2
Domestic demand	% y/y	2.3	4.9	5.5	4.3	6.6	4.9	6.1	4.8	4.0	4.4	4.5	4.3
Private consumption	% y/y	3.9	4.5	4.5	4.6	4.6	4.8	4.4	4.2	4.2	4.3	4.9	4.8
Fixed investments	% y/y	-8.2	4.0	8.7	6.0	9.6	6.0	11.3	8.2	7.2	6.8	6.3	5.0
Industrial production	% y/y	2.9	6.5	5.9	6.0	5.5	7.0	5.3	5.5	6.1	6.8	6.0	5.3
Construction production	% y/y	-14.5	13.7	19.7	8.3	25.6	21.9	18.3	16.8	9.9	12.1	7.6	5.4
Retail sales <sup>a</sup>	% y/y	3.9	8.2	7.8	7.5	8.4	7.5	7.9	7.4	5.3	8.9	9.0	6.9
Unemployment rate <sup>b</sup>	%	8.2	6.6	5.8	5.3	6.6	5.8	5.7	5.8	5.9	5.2	5.2	5.3
Gross wages in the national economy <sup>a</sup>	% y/y	3.8	5.3	7.2	7.1	6.2	7.1	7.6	7.7	7.1	7.0	7.0	7.4
Employment in the national economy	% y/y	2.3	3.3	2.6	2.1	2.8	3.0	2.3	2.5	2.6	2.0	1.9	1.8
Exports (€)	% y/y	3.1	13.8	6.6	5.8	5.5	6.4	6.2	8.0	7.6	6.7	5.3	4.0
Imports (€)	% y/y	2.7	14.9	9.9	6.5	10.2	9.4	10.0	10.0	4.6	7.3	7.2	6.7
Trade balance	EUR mn	2 935	1 426	-5 179	-6 851	-1 567	-620	-1 319	-1 673	-68	-1 018	-2 436	-3 329
Current account balance	EUR mn	-2 248	715	-3 449	-3 559	535	400	-2 631	-1 753	2 395	466	-3 288	-3 132
Current account balance	% GDP	-0.5	0.2	-0.7	-0.7	-0.2	-0.1	-0.6	-0.7	-0.3	-0.3	-0.4	-0.7
General government balance	% GDP	-2.2	-1.4	-0.4	-1.7	-	-	-	-	-	-	-	-
СЫ	% y/y	-0.6	2.0	1.6	2.2	1.5	1.7	1.9	1.4	1.2	2.4	2.6	2.7
CPI <sup>b</sup>	% y/y	0.8	2.1	1.1	2.9	1.3	2.0	1.9	1.1	1.7	2.6	2.5	2.9
CPI excluding food and energy	% y/y	-0.2	0.7	0.7	2.0	0.8	0.6	0.8	0.7	1.1	1.9	2.3	2.8
PPI	% y/y	-0.2	2.9	2.2	2.4	0.2	2.6	3.1	2.7	2.5	2.1	2.2	2.8
Broad money (M3) <sup>b</sup>	% y/y	9.6	4.6	9.2	8.7	5.8	7.3	7.9	9.2	9.1	8.9	8.8	8.7
Deposits <sup>b</sup>	% y/y	9.1	4.1	8.7	8.5	5.1	6.7	6.9	8.7	8.6	8.6	8.5	8.5
Loans <sup>b</sup>	% y/y	4.7	3.6	7.6	7.2	4.3	5.6	5.9	7.6	7.5	7.4	7.3	7.2
EUR/PLN	PLN	4.36	4.26	4.26	4.31	4.18	4.26	4.30	4.30	4.30	4.30	4.33	4.32
USD/PLN	PLN	3.95	3.78	3.61	3.79	3.40	3.58	3.70	3.77	3.79	3.83	3.82	3.74
CHF/PLN	PLN	4.00	3.84	3.69	3.72	3.59	3.63	3.76	3.79	3.80	3.76	3.72	3.63
Reference rate <sup>b</sup>	%	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
3M WIBOR	%	1.70	1.73	1.71	1.72	1.72	1.70	1.71	1.72	1.72	1.72	1.72	1.72
Yield on 2-year T-bonds	%	1.66	1.89	1.59	1.65	1.64	1.57	1.61	1.53	1.64	1.58	1.60	1.78
Yield on 5-year T-bonds	%	2.37	2.78	2.51	2.34	2.61	2.43	2.53	2.45	2.23	2.28	2.40	2.45
Yield on 10-year T-bonds	%	3.05	3.44	3.21	2.84	3.37	3.18	3.19	3.12	2.84	2.87	2.78	2.88

Note: <sup>a</sup> in nominal terms, <sup>b</sup> at the end of period. Source: GUS, NBP, Finance Ministry, Santander Bank Polska estimates.



This analysis is based on information available until 30.05.2019 has been prepared by: ECONOMIC ANALYSIS DEPARTMENT

al. Jana Pawła II 17, 00-854 Warszawa (+48) 22 586 8340 Email: ekonomia@santander.pl Web site: <u>http://www.skarb.santander.pl</u>

## Maciej Reluga\* – Chief Economist

tel. (+48) 22 534 1888. Email: maciej.reluga@santander.pl

Piotr Bielski*	– Director	(+48) 22 534 1887
Marcin Luziński*	– Economist	(+48) 22 534 1885
Grzegorz Ogonek*	– Economist	(+48) 22 534 1923
Konrad Soszyński*	– Economist	(+48) 22 534 1886
Marcin Sulewski, CFA*	– Economist	(+48) 22 534 1884

# TREASURY SERVICES DEPARTMENT

# Poznań

pl. Gen. W. Andersa 5 61-894 Poznań tel. (+48) 61 856 58 14/30 fax (+48) 61 856 4456

## Warszawa

al. Jana Pawła II 17 00-854 Warszawa tel. (+48) 22 586 83 20/38 fax (+48) 22 586 8340

## Wrocław

ul. Robotnicza 11 53-607 Wrocław tel. (+48) 71 369 9400 fax (+48) 71 370 2622



# IMPORTANT DISCLOSURES

This report has been prepared by Santander Bank Polska S.A. and is provided for information purposes only. Santander Bank Polska S.A. is registered in Poland and is authorised and regulated by The Polish Financial Supervision Authority.

This report is issued in Poland by Santander Bank Polska S.A., in Spain by Banco Santander, S.A., under the supervision of the CNMV and in the United Kingdom by Banco Santander, S.A., London Branch ("Santander London"). Santander London is registered in the UK (with FRN 136261) and subject to limited regulation by the FCA and PRA. Santander Bank Polska S.A., Banco Santander, S.A. and Santander London are members of Grupo Santander. A list of authorised legal entities within Grupo Santander is available upon request.

This material constitutes "investment research" for the purposes of the Markets in Financial Instruments Directive and as such contains an objective or independent explanation of the matters contained in the material. Any recommendations contained in this document must not be relied upon as investment advice based on the recipient's personal circumstances. The information and opinions contained in this report have been obtained from, or are based on, public sources believed to be reliable, but no representation or warranty, express or implied, is made that such information is accurate, complete or up to date and it should not be relied upon as such. Furthermore, this report does not constitute a prospectus or other offering document or an offer or solicitation to buy or sell any securities or other investment. Information and opinions contained in the report are published for the assistance of recipients, but are not to be relied upon as authoritative or taken in substitution for the exercise of judgement by any recipient, are subject to change without notice and not intended to provide the sole basis of any evaluation of the instruments discussed herein.

Any reference to past performance should not be taken as an indication of future performance. This report is for the use of intended recipients only and may not be reproduced (in whole or in part) or delivered or transmitted to any other person without the prior written consent of Santander Bank Polska S.A.

Investors should seek financial advice regarding the appropriateness of investing in financial instruments and implementing investment strategies discussed or recommended in this report and should understand that statements regarding future prospects may not be realised. Any decision to purchase or subscribe for securities in any offering must be based solely on existing public information on such security or the information in the prospectus or other offering document issued in connection with such offering, and not on this report.

The material in this research report is general information intended for recipients who understand the risks associated with investment. It does not take into account whether an investment, course of action, or associated risks are suitable for the recipient. Furthermore, this document is intended to be used by market professionals (eligible counterparties and professional clients but not retail clients). Retail clients must not rely on this document.

To the fullest extent permitted by law, no Santander Group company accepts any liability whatsoever (including in negligence) for any direct or consequential loss arising from any use of or reliance on material contained in this report. All estimates and opinions included in this report are made as of the date of this report. Unless otherwise indicated in this report there is no intention to update this report.

Santander Bank Polska S.A. and its legal affiliates may make a market in, or may, as principal or agent, buy or sell securities of the issuers mentioned in this report or derivatives thereon. Santander Bank Polska S.A. and its legal affiliates may have a financial interest in the issuers mentioned in this report, including a long or short position in their securities and/or options, futures or other derivative instruments based thereon, or vice versa.

Santander Bank Polska S.A. and its legal affiliates may receive or intend to seek compensation for investment banking services in the next three months from or in relation to an issuer mentioned in this report. Any issuer mentioned in this report may have been provided with sections of this report prior to its publication in order to verify its factual accuracy.

Santander Bank Polska S.A. and/or a company in the Santander Group is a market maker or a liquidity provider for EUR/PLN.

Santander Bank Polska S.A. and/or a company of the Santander Group has been lead or co-lead manager over the previous 12 months in a publicly disclosed offer of or on financial instruments issued by the Polish Ministry of Finance or Ministry of Treasury.

Santander Bank Polska S.A. and/or a company in the Santander Group expects to receive or intends to seek compensation for investment banking services from the Polish Ministry of Finance or Ministry of Treasury in the next three months.

#### ADDITIONAL INFORMATION

Santander Bank Polska S.A. or any of its affiliates, salespeople, traders and other professionals may provide oral or written market commentary or trading strategies to its clients that reflect opinions that are contrary to the opinions expressed herein. Furthermore, Santander Bank Polska S.A. or any of its affiliates' trading and investment businesses may make investment decisions that are inconsistent with the recommendations expressed herein.

No part of this report may be copied, conveyed, distributed or furnished to any person or entity in any country (or persons or entities in the same) in which its distribution is prohibited by law. Failure to comply with these restrictions may breach the laws of the relevant jurisdiction.

Investment research issued by Santander Bank Polska S.A. is prepared in accordance with the Santander Group policies for managing conflicts of interest. In relation to the production of investment research, Santander Bank Polska S.A. and its affiliates have internal rules of conduct that contain, among other things, procedures to prevent conflicts of interest including Chinese Walls and, where appropriate, establishing specific restrictions on research activity. Information concerning the management of conflicts of interest and the internal rules of conduct are available on request from Santander Bank Polska S.A..

#### COUNTRY & REGION SPECIFIC DISCLOSURES

Poland (PL): This publication has been prepared by Santander Bank Polska S.A. for information purposes only and it is not an offer or solicitation for the purchase or sale of any financial instrument. All reasonable care has been taken to ensure that the information contained herein is not untrue or misleading. But no representation is made as to its accuracy or completeness. No reliance should be placed on it and no liability is accepted for any loss arising from reliance on it. Information presented in the publication is not an investment advice. Resulting from the purchase or sale of financial instrument, additional costs, including taxes, that are not payable to or through Santander Bank Polska S.A., can arise to the purchasing or selling party. Rates used for calculation can differ from market levels or can be inconsistent with financial calculation of any market participant. Conditions presented in the publication are subject to change. Examples presented in the publication is for information purposes only and shall be treated only as a base for further discussion.

**U.K. and European Economic Area (EEA):** Unless specified to the contrary, issued and approved for distribution in the U.K. and the EEA by Banco Santander, S.A. Investment research issued by Banco Santander, S.A. has been prepared in accordance with Grupo Santander's policies for managing conflicts of interest arising as a result of publication and distribution of investment research. Many European regulators require that a firm establish, implement and maintain such a policy. This report has been issued in the U.K. only to persons of a kind described in Article 19 (5), 38, 47 and 49 of the Financial Services and Markets Act 2000 (Financial Promotion) Order 2005 (all such persons being referred to as "relevant persons"). This document must not be acted on or relied on by persons who are not relevant persons. Any investment or investment activity to which this document relates is only regarded as being provided to professional investors (or equivalent) in their home jurisdiction.

© Santander Bank Polska S.A. 2019. All Rights Reserved.