



REPORT ON THE SLOVAK ECONOMY

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ABBREVIATIONS

CPI consumer price index

EA euro area

ECB European Central Bank
EC European Commission
EMEs emerging market economies
EONIA euro overnight index average
ESA 2010 European System of Accounts 2010

ESI Economic Sentiment Indicator (European Commission)

EU European Union

EUR euro

EURIBOR euro interbank offered rate

Eurostat statistical office of the European Union

FDI foreign direct investment GDP gross domestic product

GNDI gross national disposable income

GNI gross national income

HICP Harmonised Index of Consumer Prices

IMF International Monetary Fund
MFI monetary financial institutions

MF SR Ministry of Finance of the Slovak Republic

MMF money market fund

MTF NBS's Medium-Term Forecast (published on a quarterly basis)

NACE Statistical Classification of Economic Activities in the European Community (Rev. 2)

NARKS National Association of Real Estate Offices of Slovakia

NBS Národná banka Slovenska
NEER nominal effective exchange rate
NFC non-financial corporation

NPISHs non-profit institutions serving households

OECD Organisation for Economic Co-operation and Development

p.a. per annum p.p. percentage point

PMI Purchasing Managers' Index REER real effective exchange rate

SASS Slovenská asociácia správcovských spoločností – Slovak Association of Asset

Management Companies

SME small and medium-sized enterprise
SO SR Statistical Office of the Slovak Republic

ULC unit labour costs

ÚPSVR Ústredie práce, sociálnych vecí a rodiny – Central Office of Labour, Social Affairs and

Family

ÚRSO Úrad pre reguláciu sieťových odvetví – Regulatory Office for Network Industries

USD US dollar VAT value-added tax

Symbols used in the tables

- . Data are not yet available.
- Data do not exist / data are not applicable.
- (p) Preliminary data





1 SUMMARY

The Slovak economy continued to grow in the fourth quarter of 2017, by 0.9% quarter on quarter (compared with 0.8% in the previous quarter). The annual rate of growth reached 3.5%. The main drivers of economic growth were net exports and domestic demand, reflecting the favourable labour market trends.

Employment grew over the quarter under review more moderately than in the previous quarter, i.e. by 0.5% quarter on quarter (compared with 0.6% in the third quarter), representing a year-on-year rise of 2.2%. The quarter-on-quarter

slowdown took place mostly in the private sector. The average wage in the economy increased, year on year, by 5.2% in the last quarter of 2017, as in the previous quarter. This increase was largely caused by accelerated wage growth in the private sector.

The annual HICP inflation rate continued to accelerate in the quarter under review, to 2.0%. This acceleration was caused almost exclusively by food prices. The steepest increases were recorded in unprocessed and processed food prices.



2 GROSS DOMESTIC PRODUCT

The Slovak economy expanded in the fourth quarter of 2017 by 0.9% quarter on quarter (compared with 0.8% in the third quarter), representing an annual growth rate of 3.5% (3.4% in the third quarter). The favourable economic trend in that period was attributable largely to net exports. The quarterly rate of export growth accelerated by 4.6% (up from 2.4% in the third quarter), while that of import growth slowed to 1.2% (after rising in the third quarter by 3.4%). Exports still reflected the impact of the sector's lower output caused largely by in-

Chart 1 GDP and its components (quarter-on-quarter percentage changes; percentage point contributions; constant prices)

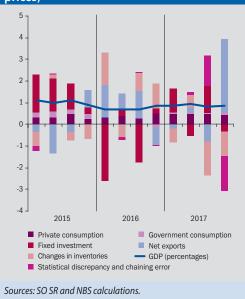


Chart 2 GDP and its components (annual percentage changes; percentage point contributions; constant prices; non-seasonally adjusted)



vestment in the preparation of new export products. Thus, demand pressures for highly specialised imports eased, mainly in sectors linked to the automotive industry. Consumer spending contributed positively to economic growth, despite increasing more moderately than in the previous quarter. Investment fell somewhat at the end of the year. The public sector was the only sector that invested less in 2017 than in 2016 (at current prices).

The most value added (expressed in terms of wages, profits and write-offs) was contributed to

constant prices)							
	2016	2017					
	Year	Q1	Q2	Q3	Q4	Year	
Gross domestic product	3.3	0.8	1.0	0.8	0.9	3.4	
Final consumption of households and non-profit institutions serving households	2.7	0.9	0.9	0.9	0.8	3.6	
Final consumption of general government	1.6	0.4	0.3	0.2	0.7	0.2	
Gross fixed capital formation	-8.3	5.4	-2.4	6.1	-1.4	3.2	
Exports of goods and services	6.2	1.0	-2.3	2.4	4.6	4.3	
Imports of goods and services	3.7	1.2	-2.7	3.4	1.2	3.9	
Source: SO SR.							



Chart 3 GDP – sectoral contributions to annual percentage changes (percentage points; constant prices; non-seasonally adjusted)



Chart 5 Real investment and its components (quarter-on-quarter percentage changes; percentage point contributions; constant prices; seasonally adjusted)

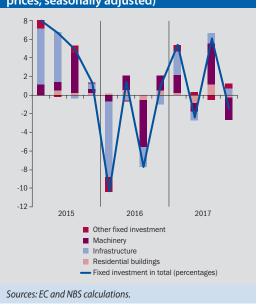
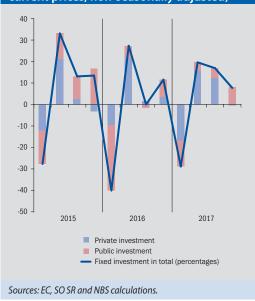


Chart 4 Exports broken down by destination (quarter-on-quarter percentage changes; constant prices)



Chart 6 Fixed investment - sectoral contributions to quarter-on-quarter percentage changes (percentage points; current prices; non-seasonally adjusted)



GDP growth by the trade sector. This was a result of strong household consumption. The services sector also made a significant contribution, mainly through the real estate sector. Value added in construction increased to some extent, too. The manufacturing sector contributed less value added to GDP growth, continuing a downward trend that started at the beginning of the year.

The largest contributor to economic growth in the fourth quarter of 2017 was net exports, i.e. accelerated export growth accompanied by



slower import growth. Broken down by destination, exports to non-euro area EU countries, as well as exports to non-EU countries, increased considerably (by more than 21%) in the last quarter of 2017. The structure of imports by country of origin shows that, in quarter-on-quarter terms, imports from countries outside the EU decreased by 1.5%. Imports from non-euro area EU countries showed stronger growth dynamics.

Investment declined in quarter-on-quarter terms, owing to a fall in investment in machinery, probably reflecting the effect of increased investment from the previous quarter (mainly in the automotive industry). Investment in residential buildings declined, too. At the same time, investment in infrastructure and in other assets increased to some extent. Broken down by sector, the quarterly rate of investment growth

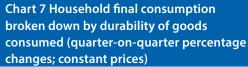




Chart 8 Private consumption and its components (annual percentage changes; percentage point contributions; constant prices; non-seasonally adjusted)



accelerated in the public sector, while slowing somewhat in the private sector. At current prices, however, the public sector invested less in 2017 than in the previous year.

The favourable labour market trends (i.e. growing wages and employment), supported by strong consumer confidence, have led to stable growth in household final consumption. Consumer demand continued to grow in the quarter under review, at a broadly stable pace (i.e. 0.8%, compared with 0.9% in the previous quarter). Consumer confidence led to faster growth in spending on durable goods, which exceeded the growth rate of overall consumption throughout 2017. Faster growth than in overall household consumption was also recorded in spending on health care, communication, recreation, education and restaurant services.



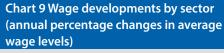
3 THE LABOUR MARKET

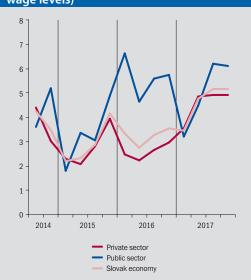
3.1 WAGES AND LABOUR PRODUCTIVITY

The average wage in the Slovak economy continued to rise in the last quarter of 2017 by 5.2% year on year, as in the previous quarter. This rise was a result of strong wage growth in the private sector, reaching 4.9% as in the third quarter. Wages increased most rapidly in manufacturing, transportation and storage, professional services, recreation, and in real estate activities. The average rate of wage growth in public administration, education and health care reached 6.1%, which was only slightly less than the figure recorded in the previous quarter (6.2%). This was due to a negotiated increase in teachers' basic salaries (6.6% year on year) and a one-off pay rise in public and state administration (7.6%). Real wages rose in the quarter under review by 3.3% year on year, representing a quarter-on-quarter slowdown (down from 3.6%) resulting from the higher inflation rate. The average wage growth in the economy accelerated over the course of last year, from 3.3% at the end of 2016 to 4.6% at the end of 2017.

Wage growth across the economy was not supported substantially by one-off bonus payments at the end of the year (bonuses were paid in more or less the same amount as a year earlier). One of the main factors behind wage growth was, in all probability, the steeply rising trend in basic wages. This trend is expected to continue in 2018, as some of the country's major employers are considering a wage increase of five or more percent for this year and surveys carried out among employers indicate a further acceleration of wage growth in 2018.¹

Compensation per employee (including gross wages and social contributions paid by employers) grew less dynamically in the last quarter of 2017, i.e. by 3.9% year on year (compared with 5% in the previous quarter). This was due mainly to volatility in payments to own employees from after-tax profits (including bonuses paid to Board of Directors and Supervisory Board members, royalties and dividends), which recorded





Sources: SO SR and NBS calculations. Note: Data for the public sector were calculated on the basis of developments in the categories O, P and Q of the NACE statistical classification of economic activities.

Chart 10 Wage developments by component (annual percentage changes; percentage point contributions)



Note: The data for 'organisation with 20+ employees' include organisations in the public and financial sectors irrespective of the number of employees.

¹ For example, KPMG's Pulse of the Economy 2017 survey.

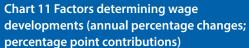


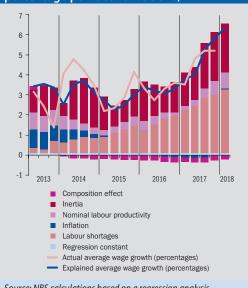
Table 2 Wages and labour productivity (annual percentage changes)								
	2016	2017						
	Year	Q1	Q2	Q3	Q4	Year		
Average wage (headline)	3.3	3.5	4.8	5.2	5.2	4.6		
Consumer-price inflation	-0.5	0.9	1.0	1.5	1.8	1.3		
Average real wage (headline)	3.8	2.6	3.8	3.6	3.3	3.3		
Average wage (ESA 2010)	3.0	2.6	3.7	4.6	3.7	3.7		
Compensation per employee (ESA 2010)	2.3	3.1	4.0	5.0	3.9	4.1		
Nominal labour productivity (ESA 2010)	0.5	1.8	2.3	2.6	3.1	2.5		
Real labour productivity (ESA 2010)	0.9	0.9	1.6	1.0	1.2	1.2		

Sources: SO SR and NBS calculations.

Note: Average wages (headline) are based on data from SO SR statistical reports. Average real wages were calculated on the basis of CPI inflation. Labour productivity (ESA 2010) was calculated as the ratio of nominal GDP to employment as defined in the ESA 2010 methodology.

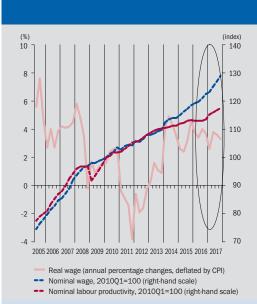
a marked increase in the third quarter, followed by a sharp decrease in the fourth quarter. Social contributions paid by employers rose to lesser extent, owing probably to the year-end settlement of health insurance contributions (part of which was repaid to employers). Overall, compensation per employee increased by 4.1% during 2017, representing a relatively significant acceleration in comparison with 2016. The accelerating wage growth in the period under review was driven by the ongoing tensions in the labour market, while employers' perceptions of labour shortages increased still further. This was due to growth in economic output and in employment, coupled with less favourable demographic developments, which negatively affect the availability of workforce in the labour market. Economic growth was accompanied by





Source: NBS calculations based on a regression analysis. Note: The following variables have been transformed: four-quarter moving average of labour productivity; four-quarter moving average of CPI inflation recorded three quarters earlier. The figures for labour shortages are based on responses to the European Commission's business sentiment surveys, with the sectors weighted by employment trends. The composition effect is given by the impact of annual growth in employment. The data for 2018Q1 are based on the MTF-2018Q1 forecast of NBS.

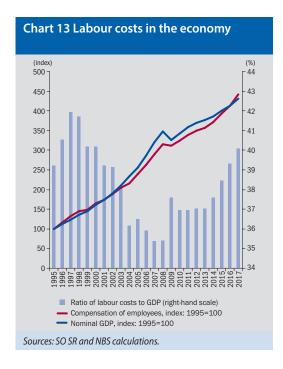
Chart 12 Wages and labour productivity



Sources: SO SR and NBS calculations.

Notes: Wages are based on data from SO SR statistical reports. Nominal labour productivity was calculated from employment according to SO SR statistical reports. Base indices are based on seasonally adjusted data.





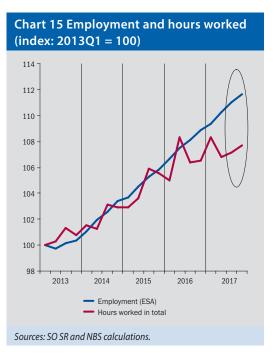
a modest increase in labour productivity, which was positively reflected in the volume of financial resources available for the payment of higher wages. The labour market tensions were also reflected in the average rate of wage growth, which exceeded the rate of nominal labour productivity growth. This may have an upward effect on price levels.

The number of hours worked increased broadly in line with employment during the fourth quarter, by 0.5% quarter on quarter. The share of part-time job offers increased² in that period. This may to some extent hamper the increase in the number of hours worked in comparison with employment growth.



3.2 EMPLOYMENT AND UNEMPLOYMENT

The level of employment in the economy rose in the last quarter of 2017, by 0.5% quarter on guarter. This represented a moderate slowdown in comparison with the previous two quarters. Annual employment growth moderated in the fourth quarter to 2.2%, down from 2.3% in the third quarter. The moderate slowdown took place mostly in the private sector, while employment growth in public administration, education and health care accelerated during the fourth quarter, from 0.9% to 1.4% at the end of the year, mainly in self-government bodies. In the private sector, employment grew dynamically in manufacturing and in construction. A certain slowdown was recorded in services and in retail trade. The number of self-employed persons also increased somewhat. Employers' perceptions of labour shortages may constitute a major barrier to employment growth in the period ahead.



2 Source: profesia.sk.

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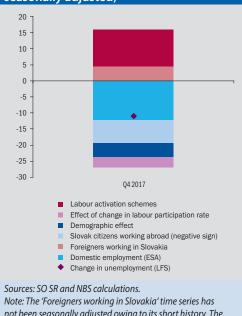


The number of unemployed (according to the Labour Force Survey) continued to decrease in the last quarter of 2017, by approximately 11,000 quarter on quarter. This was due to employment growth, coupled with a decrease in the size of the population aged 15-64 and a slight fall in the labour market participation rate (after a prolonged upward trend). The number of Slovak citizens working abroad increased in the fourth quarter, in contrast with the decreasing trend observed during the first three quarters of 2017. The unemployment rate dropped by 0.4 percentage point, to 7.6%, representing a historical low. The seasonally adjusted unemployment rate, based on the total number of job seekers

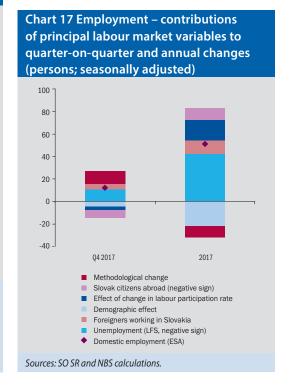
registered with the Central Office of Labour, Social Affairs and Family (ÚPSVR), declined during the fourth quarter, from 7.8% to 7.3%.

Overall, the labour market situation was favourable in 2017. Employment grew during the year by 2.2% (51,000 persons), which was slightly less than the figure for the previous year (2.4%), but represented one of the strongest employment growth rates ever recorded in Slovakia. This growth was supported by a fall in unemployment (by 42,000 persons), accompanied by a rise in the number of foreigners working in Slovakia (by 12,000). Further supporting factors were the rising labour market participation rate and the falling number of Slovak citizens working abroad. A counterbalance to these effects was the continuing decrease in the size of the active population.

Chart 16 Unemployment – contributions of principal labour market variables to quarter-on-quarter changes (persons; seasonally adjusted)



Sources: SO SR and NBS calculations.
Note: The 'Foreigners working in Slovakia' time series has not been seasonally adjusted owing to its short history. The seasonality observed in this time series, however, appears to be insignificant. 'Labour activation schemes' is an imputed item which includes the effect of residual differences between the LFS and ESA methodologies.



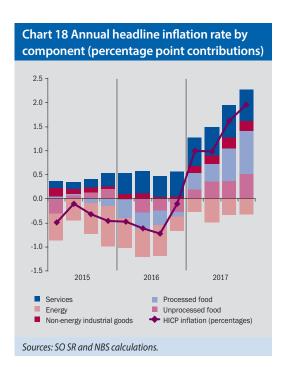
3 Seasonally adjusted data.



4 Price developments

Consumer-price inflation continued to rise in the fourth quarter of 2017, by 2.0% year on year. The rise in inflation was caused first and foremost by steeper year-on-year increases in food prices, mainly in prices for dairy products, fats and eggs. This trend was affected by the withdrawal of contaminated eggs from the European market (i.e. the fipronil egg scandal), accompanied by growing demand for butter made from milk. These factors are expected to influence inflation in the short term only. Services prices also increased, year on year, reflecting the impulses coming from the labour market. The continuing

strong growth in nominal and real wages had created conditions for a rise in cost-push and demand-pull prices for services. Energy prices rose in Europe's commodity markets, mainly in the second half of 2017. This rise was not reflected in regulated energy prices. With a certain delay, the rate of increase in these prices is expected to accelerate considerably in 2018. Brent oil prices in EUR increased, too, causing an immediate rise in fuel prices. The average HICP inflation rate accelerated to 1.4% in 2017 (up from -0.5% in 2016), owing mainly to the year-on-year increase in food prices.



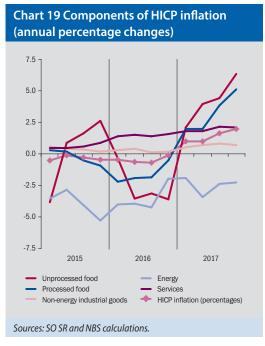


Table 3 Annual percentage changes in consumer-price inflation by component								
	2016	2017						
	Year	Q1	Q2	Q3	Q4	Year		
HICP inflation	-0.5	1.0	1.0	1.6	2.0	1.4		
Unprocessed food	-2.7	2.1	4.0	4.4	6.3	4.2		
Processed food	-1.6	2.0	2.0	3.8	5.1	3.2		
Non-energy industrial goods	0.2	0.5	0.7	0.8	0.7	0.7		
Energy	-3.5	-1.9	-3.4	-2.4	-2.2	-2.5		
Services	1.5	1.8	1.8	2.1	2.1	2.0		
Sources: SO SR and NBS calculations.								