



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

Slovakia's economic growth accelerated in the third quarter of 2018 to 4.6%, year on year, from 4.5% in the previous quarter. The quarter-on-quarter rate of growth reached 1.1%. The main driver of growth was consumer demand.

Employment growth slowed in the third quarter, to 1.9% year on year (from 2.1% in the second quarter) and to 0.4% quarter on quarter (from 0.5% in the second quarter). Slower job growth was observed in most sectors, except in services. The average wage in the economy

increased, year on year, by 6.1% in the third quarter (compared with 6.4% in the second quarter). Smaller wage increases were recorded in the public sector and in education, while the private sector reported somewhat faster wage growth.

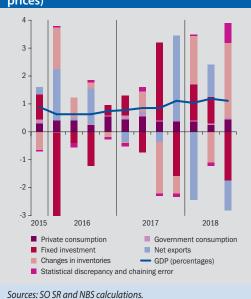
The annual HICP inflation rate slowed slightly in the quarter under review, to 2.7% (from 2.9% in the previous quarter), largely owing to a slowdown in the rates of increase in processed and unprocessed food prices.



2 GROSS DOMESTIC PRODUCT

Slovakia's annual GDP growth accelerated from 4.5% in the second quarter of this year to 4.6% in the third quarter. This represented, in real terms,

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



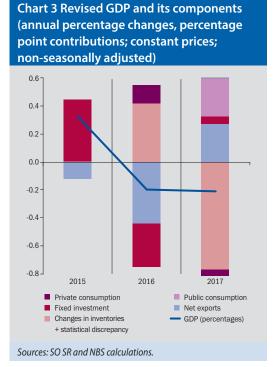
the most rapid year-on-year growth since the end of 2015. In quarter-on-quarter terms, the economy expanded by 1.1% after seasonal adjustment. GDP at current prices increased, year on year, by 7.0% in the third quarter (after rising by 6.8% in the second quarter), which was its largest nominal increase since the third quarter of 2008.

GDP data are systematically revised by the Statistical Office of the Slovak Republic (SO SR) on the basis of updated statistical data and data from administrative sources.

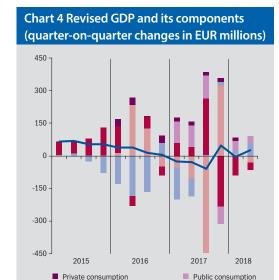
The annual GDP growth rate for 2015 has been revised upwards (from 3.9% to 4.2%), owing to an increase in fixed investment. The growth rate for 2016 has been moderated (from 3.3% to 3.1%), owing to a downward revision of goods exports. The rate for 2017 has also been reduced (from 3.4% to 3.2%). The contribution of public consumption and net exports of (almost exclusively) services has been increased, but not enough to offset the negative effects of changes in inventories and, in particular, of the elimination of the (positive) statistical discrepancy. The first two quarters of 2018 have also been revised: the volume of investment



Sources: SO SR and NBS calculations.







Fixed investment

Changes in inventories

Sources: SO SR and NBS calculations.

+ statistical discrepancy

has been reduced and the contribution of net exports, general government consumption and private consumption increased. The GDP data revised and published for the third quarter also necessitated upward revisions to the annual growth rates for the first three quarters of 2018, and of the expected annualised rate for 2018.

Net exports

- GDP

The Slovak economy is performing well, though its year-on-year growth during the quarter under review was driven mostly by changes in inventories. This growth, however, was also supported by other components (except investment), especially by private consumption. After a sharp rise in the previous quarter, investment suffered a decline. Fixed investment fell, year on year, by 5.7% at constant prices (after rising by 18.5% in the second quarter). Overall investment was affected by a fall in investment in car production, which recorded a steep increase in the previous quarter. Its year-on-year dynamics mirrored the base effect of the relatively large volume of investment in the same period a year earlier. These developments were also reflected in the structure of investment, because firms contributed significantly to the year-on-year decline in overall investment. On the other hand, government investment continued to grow on a year-on-year basis.

After being dampened in the second quarter by the impact of weaker household spending, the annual rate of consumption growth accelerated again in the third quarter, to 3.1%. Amid strong consumer confidence, spending on durable goods continued to grow at a fast pace. The accelerating year-on-year growth was driven by dynamic growth in spending on non-durable and semi-durable goods. There were adequate resources on the labour market to cover the strong growth in private consumption.

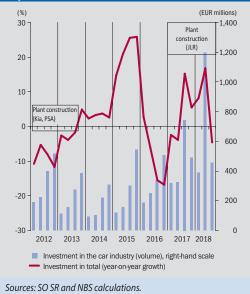
The rate of export growth decelerated in the third quarter to 5.6%, from 7.6% in the second quarter. Exports reflected the effect of investment in the production of new car models from the previous quarter. The export performance of car manufacturers remained strong, though their suppliers had an exceptionally weak quarter owing probably to declines in production in neighbouring countries. As regards the structure of exports by destination, a slowdown was recorded in exports to all the major recipient countries. The slowdown in total exports was caused largely by exports to non-euro area EU countries. Imports of goods and services increased by 5.4%, compared with 6.6% in the previous quarter. This increase made it possible for net exports to maintain their positive contribution to the annual rate of GDP growth.

On the production side, the most notable improvement was recorded in private services,









owing to growth in private consumption and in value added in financial services. In construction, the contribution to GDP of value added growth continued to increase, probably as a result of infrastructural investments. Value added also increased over the first three quarters in manufacturing, mostly in the automotive industry. GDP growth was also supported on the production side by effective tax collection.

The seasonally adjusted quarter-on-quarter rate of economic growth reached 1.1% in the third quarter. This growth was driven mainly by private consumption, coupled with a positive change

in inventories, which more than offset the declines in investment and in net exports. Exports of goods and services increased by 0.6% quarter on quarter, while imports grew at a much faster pace (1.8%).

After rising in the second quarter by 4.3%, fixed investment declined in the third quarter by 7.4%, more than projected in the forecast (3.3%). This decline took place in all types of assets. A slightly positive contribution was made by investment in residential buildings.

Chart 7 Fixed investment – contributions of assets to quarter-on-quarter percentage changes (percentage points; constant prices; seasonally adjusted)



Table 1 GDP by expenditure (percentage changes compared with the previous period; constant prices)

			2017	2018				
	Q1	Q2	Q3	Q4	Year	Q1	Q2	Q3
Gross domestic product	0.8	0.9	0.9	1.1	3.2	1.0	1.2	1.1
Final consumption of households and non-profit institutions serving households	0.8	1.1	0.7	0.7	3.5	0.7	0.5	0.9
Final consumption of general government	0.8	0.6	0.2	0.3	1.7	0.3	0.3	0.4
Gross fixed capital formation	3.3	-3.4	13.3	-6.8	3.4	6.0	4.3	-7.4
Exports of goods and services	3.2	-3.2	2.5	3.6	5.9	-1.5	2.8	0.6
Imports of goods and services	3.9	-3.5	3.1	0.6	5.3	0.9	1.8	1.8
Source: SO SR.								



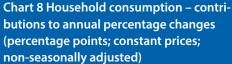
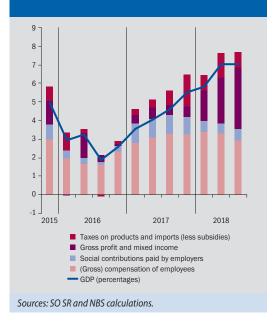




Chart 9 GDP – contributions to annual percentage changes (percentage points; current prices; non-seasonally adjusted)

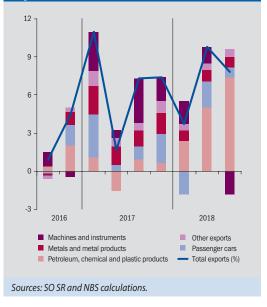


Private consumption was supported in the period under review by the ongoing growth in employment and wages. Except for autonomous expenditure on food and housing, household expenditure on luxury items and services (health, communication, recreation, education and restaurants) grew at a faster pace. After a weak second quarter (a rise of 0.5%), private consumption increased by 0.9% in the third quarter.

Looking at GDP at current prices as calculated using the income approach, the accelerating GDP growth in the third quarter was driven mainly by growth in entrepreneurial income (gross profits and mixed income). Income from work remained strong, but its contribution weakened somewhat, owing probably to the regular revision of data for the previous year, while data for this year were modified only slightly.

GDP growth in the third quarter was significantly influenced by changes in inventories. A closer look at the data indicates that the overall change in inventories was caused mostly by increases in the inventories of materials and products. Broken down by sector, almost 50% of the total increase in inventories was accounted for by wholesale trade, car production, retail trade, metal pro-

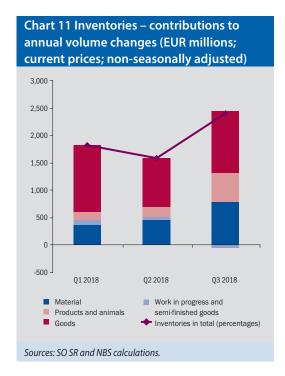
Chart 10 Exports of goods – contributions to annual percentage changes (percentage points; current prices; non-seasonally adjusted)

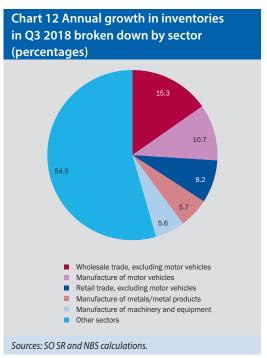


cessing, and the manufacture of machinery and equipment. This can, in large part, be explained by the weakening export performance of suppliers within the global value chains in the car industry.



CHAPTER 2



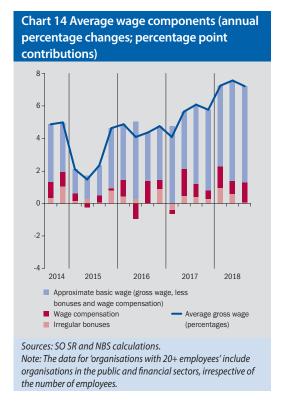




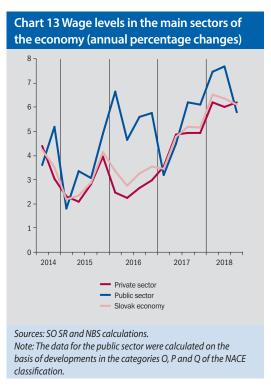
3 THE LABOUR MARKET

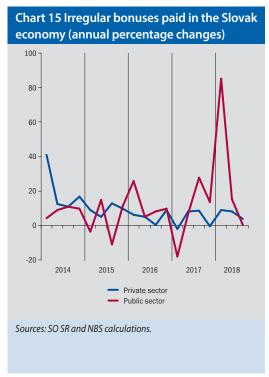
3.1 WAGES AND LABOUR PRODUCTIVITY

Annual average wage growth in Slovakia slowed to 6.1% in the third quarter of 2018, from 6.4% in the previous quarter, as a result of weaker wage growth in the public sector and education. Despite faster wage growth in health services, wage growth in the public sector slowed from 7.7% to 5.8%. This was a consequence of a marked slowdown in the payment of irregular bonuses. On the other hand, wage growth in the private sector accelerated slightly (from 6% in the second quarter to 6.2% in the third quarter), mainly as a result of wage growth in industry, caused by a marked increase in irregular bonuses paid in the power industry. Accelerated wage growth was also recorded in transportation, accommodation and food services. Wage growth in the private sector was, however, hampered by a considerable slowdown in irregular bonus payments (except in the power industry). Despite this slowdown, the rates of wage growth recorded in the first three guarters of this year were higher than the average figure for the whole post-crisis period. Adjusted for inflation, real wages increased year on year by 3.3%. Wages levels rose most steeply in organisation with 20 or

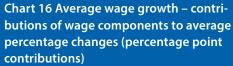


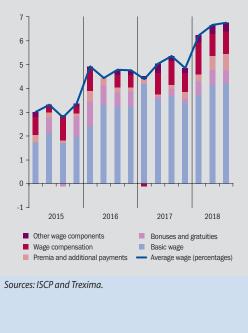
more employees (by 7.6%), while those in smaller firms increased only moderately (by 3.8%).

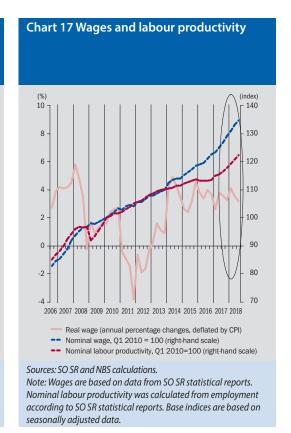












Compensation per employee continued growing in the quarter under review, at a pace of 5.3% year on year, representing a slowdown compared with the previous quarter. This growth was supported by higher payments classified as expenditure items (payments to persons working on the basis of a contract for work, members of boards of directors and supervisory boards) and by severance pays. On the other hand, compensation per employee growth was dampened by bonuses paid from profits.

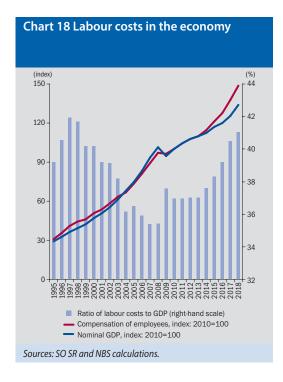
Sources: SO SR and NBS calculations.

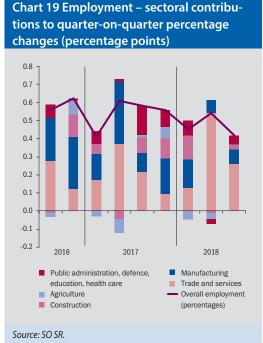
Nominal labour productivity, supported by the strong economic growth, continued to grow in the third quarter, at the fastest pace recorded in the past seven years. Despite its acceleration, nominal labour productivity growth still lagged behind wage growth. As a result of a slight slowdown in average wage growth, the excess of wage growth over labour productivity growth moderated in the quarter under review.

Table 2 Wages and labour productivity (annual percentage changes)										
			2017	2018						
	Q1	Q2	Q3	Q4	Year	Q1	Q2	Q3		
Average wage (headline)	3.5	4.8	5.2	5.2	4.6	6.5	6.4	6.1		
Consumer price inflation	0.9	1.0	1.5	1.8	1.3	2.3	2.8	2.7		
Average real wage (headline)	2.6	3.8	3.6	3.3	3.3	4.1	3.5	3.3		
Average wage (ESA 2010)	3.1	4.3	5.2	4.3	4.2	6.2	6.2	5.5		
Compensation per employee (ESA 2010)	4.5	5.3	6.1	4.9	5.2	5.4	5.6	5.3		
Nominal labour productivity (ESA 2010)	1.4	1.9	2.2	3.2	2.2	3.5	4.8	5.0		
Real labour productivity (ESA 2010)	0.5	1.2	0.7	1.4	1.0	1.4	2.3	2.7		

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.



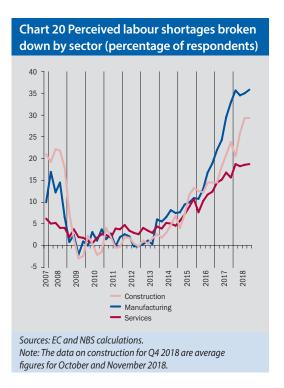




3.2 EMPLOYMENT AND UNEMPLOYMENT

The annual rate of employment growth slowed during the third quarter of 2018, to 1.9% (from 2.1% in the previous quarter). In seasonally adjusted terms, the quarter-on-quarter rate of employment growth moderated to 0.4%, from 0.5% in the second quarter. Employment growth decelerated in most sectors, except in the services sector, comprising professional, scientific and technical activities, where employment rose by 2.5% quarter on quarter. After falling quarter on quarter in the previous quarter, employment in construction, public administration and defence increased again. The number of self-employed persons also increased slightly.

This trend in employment reflected the actual situation in the labour market. The number of job vacancies continued to grow in the period under review, but the persisting shortage of skilled labour caused a gradual slowdown in employment growth. At the same time, employers' expectations regarding the further trend in employment were less optimistic, owing probably to the heightened uncertainty surrounding the global economic outlook.



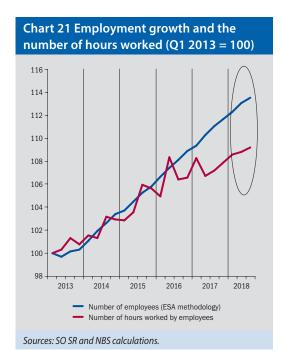
The number of hours worked has long been growing at a far slower pace than the number of employees. In the quarter under review, the number of hours worked increased by 0.3%

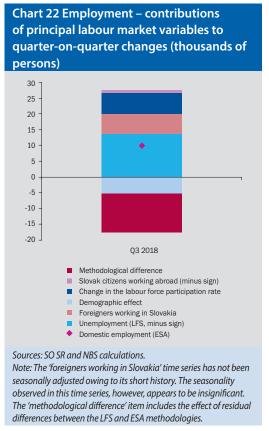




quarter on quarter, while that of employees rose by 0.5%. The difference was caused mainly by a quarter-on-quarter drop in the number of hours worked in manufacturing. Since there is a chronic shortage of skilled labour in this sector, employers are forced to hire workers for part-time employment, too, even for shorter working hours. The increase in the number of part-time employees explains why the length of a working week decreased in the third quarter, to a greater extent than in the previous quarters.

According to the Labour Force Survey (LFS), the number of unemployed decreased in the third quarter of 2018, at a faster pace than in the previous quarters. The seasonally adjusted num-





ber of unemployed dropped by 13,600 persons quarter on quarter. The unemployment rate fell by 0.5 percentage point, to 6.3%, representing a new historical low. The labour market situation was still influenced by the growing number of foreigners working in Slovakia, the falling number of Slovak citizens working abroad, and the rising labour participation rate. These developments were strongly supported by the favourable trend in wages, too.



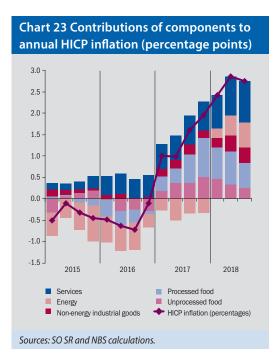
4 PRICE DEVELOPMENTS

Annual HICP inflation slowed slightly during the third quarter of 2018, to 2.7% (from 2.9% in the previous quarter), owing mainly to a slowdown in the rate of increase in processed and unprocessed food prices.

The slower year-on-year rise in processed food prices was due to the fading of the base effect of a steep increase in food prices from the second half of 2017. This effect is expected to culminate

in the last quarter of 2018 and thereby cause a further slowdown in inflation.

On the other hand, the annual rate of increase in energy prices accelerated in the period under review. Demand-pull inflation also accelerated slightly. Energy prices were influenced by a steep rise in oil prices, which subsequently generated a rapid increase in petrol/diesel prices. Thus, energy prices were the key factor constraining the



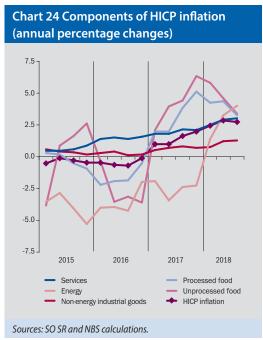


Table 3 Annual percentage changes in consumer price inflation by component											
			2017	2018							
	Q1	Q2	Q3	Q4	Year	Q1	Q2	Q3			
HICP inflation	1.0	1.0	1.6	2.0	1.4	2.4	2.9	2.7			
Unprocessed food	2.1	4.0	4.4	6.3	4.2	5.8	4.6	3.4			
Processed food	2.0	2.0	3.8	5.1	3.2	4.2	4.4	3.2			
Non-energy industrial goods	0.5	0.7	0.8	0.7	0.7	0.8	1.2	1.3			
Energy	-1.9	-3.4	-2.4	-2.2	-2.5	1.4	3.3	4.0			
Services	1.8	1.8	2.1	2.1	2.0	2.5	2.9	3.0			
Sources: SO SR and NBS calculations.											



CHAPTER 4

slowdown in inflation in the third quarter. The prices of other energy commodities increased, too. This, however, is unlikely to cause a steeper rise in regulated energy prices before the beginning of 2019.

The slight acceleration of demand-pull inflation was caused by increases in non-energy industrial goods prices and in services prices.

As for non-energy industrial goods, the annual rate of increase in prices of durable goods (furniture and household appliances) accelerated in the period under review. Services prices continued to rise as a result of demand-pull and cost-push pressures from the labour market. Labour market pressures are expected to push up prices for services in the medium term, too.