

# Short Term Statistics

## Services – Third Quarter, 2018

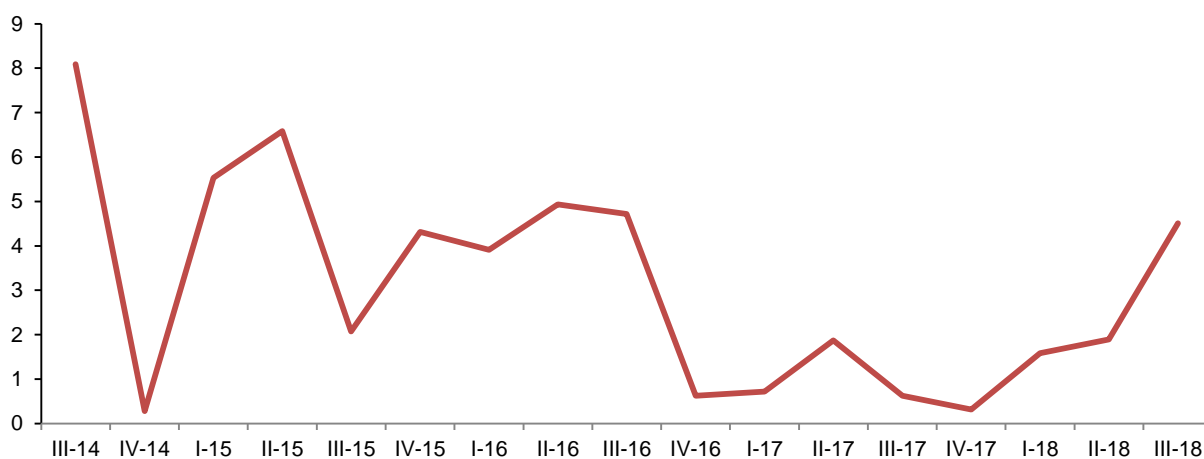
**Tirana, 14 December:** Services quarterly indicators, which include the economic activities: Wholesale and Retail trade; Repair of motor vehicles and motorcycles; Transport and Storage; Hotels; Information and Communication; Architectural and Engineering activities; Travel agency, in the third quarter 2018, are presented as below:

### Wholesale and Retail trade; Repair of motor vehicles and motorcycles

Trade quarterly indicators, which include: Wholesale and Retail trade; Repair of motor vehicles and motorcycles, in the third quarter 2018, are presented as follows:

- Turnover volume index increased by 4.5 % compared with the third quarter 2017;
- The number of employees' index increased by 6.5 % compared with the third quarter 2017;
- Wages index increased by 8.6 % compared with the third quarter 2017.

Fig. 1 Annual changes Turnover volum index, Trade (%)

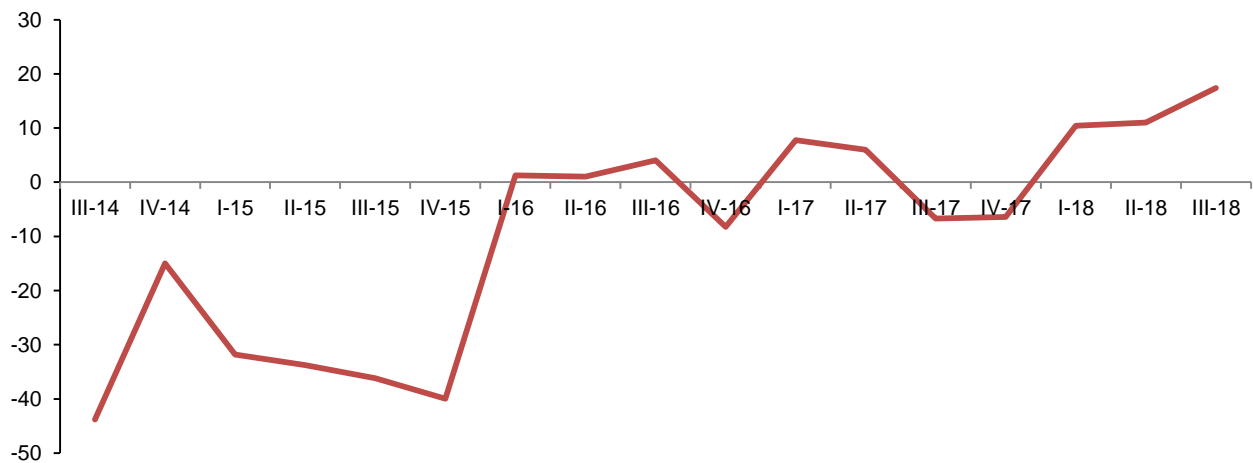


### Transport and storage

Transport and Storage quarterly indicators, which include: Rail transport of goods, Sea transport, Air transport, Storage and Post activity, in the third quarter 2018, are presented as follows:

- Turnover volume index increased by 17.4 % compared with the third quarter 2017;
- The number of employees' index increased by 5.4 % compared with the third quarter 2017;
- Wages index increased by 11.5 % compared with the third quarter 2017.

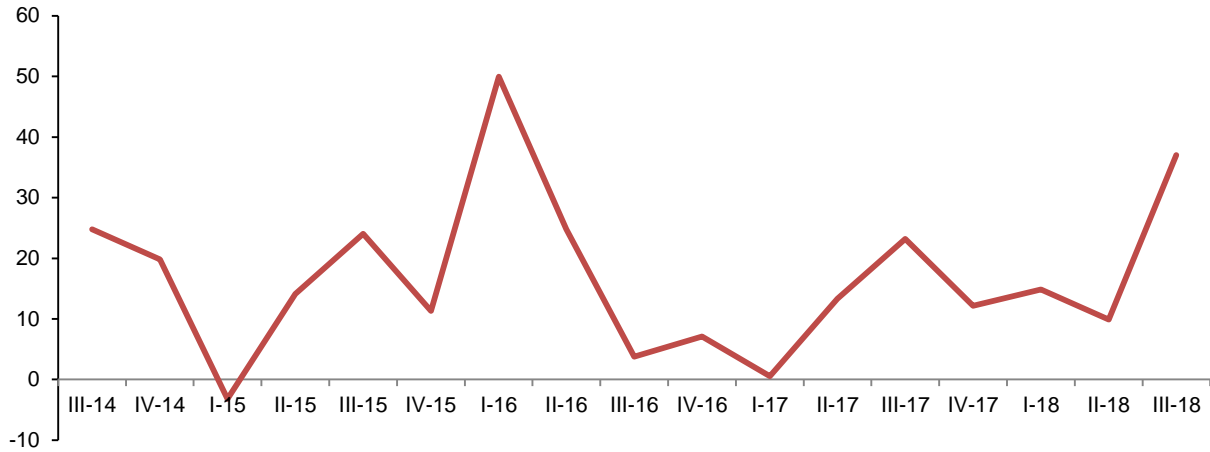
**Fig.2 Annual changes in Turnover volum index, Transportation and Storage activities (%)**



### Hotels

Hotels quarterly indicators, in the third quarter 2018, are presented as follows:

- Turnover volume index increased by 37.0 % compared with the third quarter 2017;
- The number of employees' index increased by 21.3 % compared with the third quarter 2017;
- Wages index increased by 20.9 %, compared with the third quarter 2017.

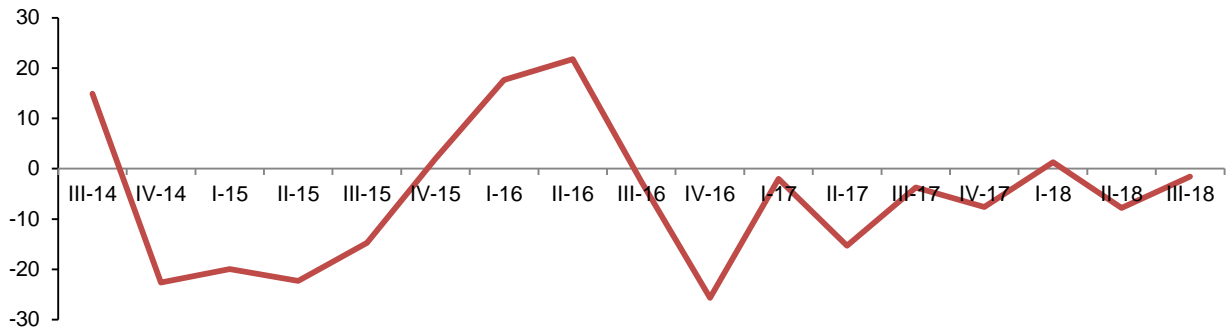
**Fig. 3 Annual changes in Turnover volum index, Hotels (%)**

### Information and Communication

Information and Communication quarterly indicators, which include: Publishing activities, Telecommunications and Computer programming, Consultancy and related activities, in the third quarter 2018, are presented as follows:

- Turnover volume index decreased by 1.5 % compared with the third quarter 2017;
- The number of employees' index increased by 4.3 % compared with the third quarter 2017;
- The wages index decreased by 0.7 % compared with the third quarter 2017.

**Fig. 4 Annual changes in Turnover volum index, Information and Communication activities (%)**

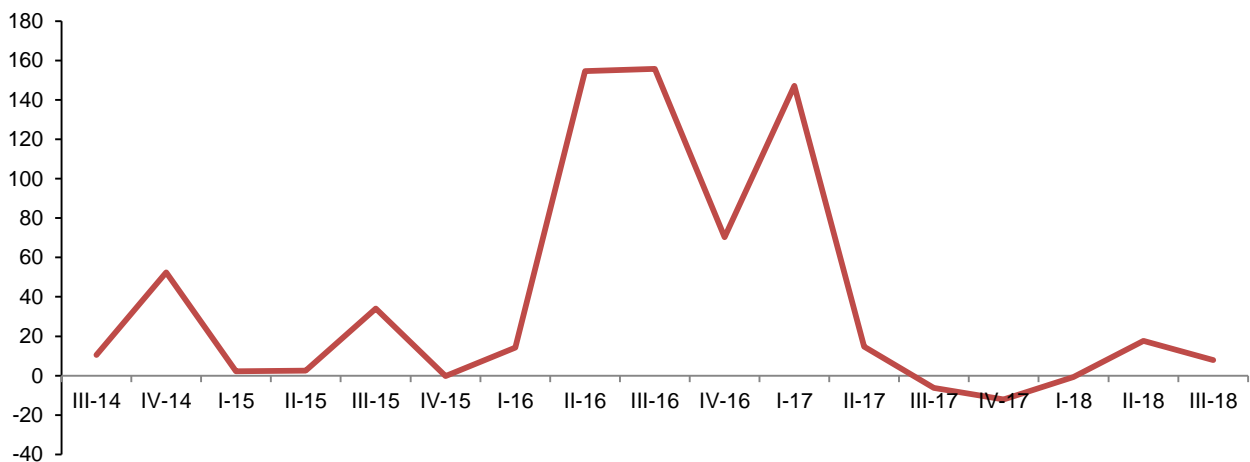


#### **Architectural and Engineering activities**

Architectural and Engineering activities quarterly indicators, which include: Architectural and Engineering activities, Technical testing and Analysis, in the third quarter 2018, are presented as follows:

- Turnover volume index increased by 7.9 % compared with the third quarter 2017;
- The number of employees' index increased by 5.3 % compared with the third quarter 2017;
- Wages index increased by 1.2 % compared with the third quarter 2017.

**Fig.5 Annual changes in Turnover volum index, Architectural and Engineering activities (%)**

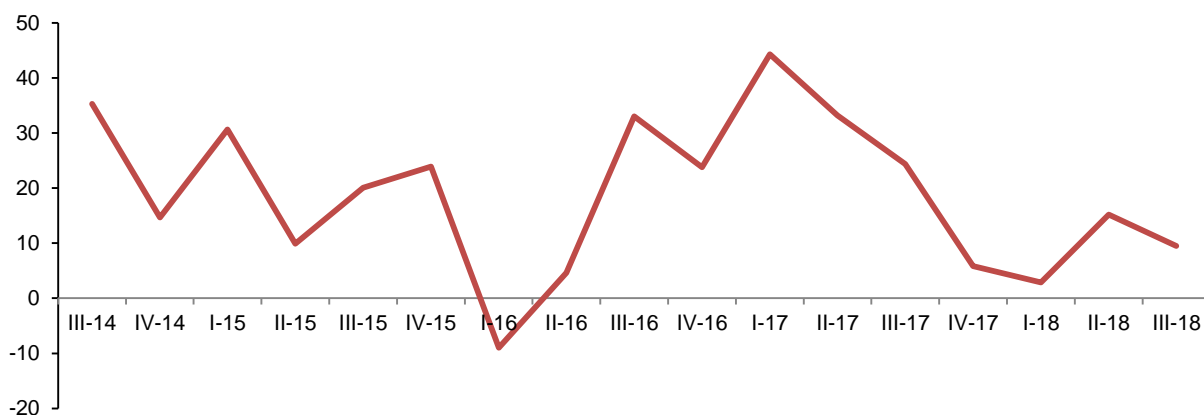


## Travel agency

Travel agency quarterly indicators, in the third quarter 2018 are presented as follows:

- Turnover volume index increased by 9.5 % compared with the third quarter 2017;
- The number of employees' index increased by 2.6 % compared with the third quarter 2017;
- Wages index decreased by 1.6 % compared with the third quarter 2017.

**Fig.6 Annual changes in Turnover volum index, Travel Agency activity (%)**



**Tab. 1 Turnover volume index, Services (2010=100)**

NACE Rev.2 Section	Division	Economic activity	Seasonally undjusted		Seasonally adjusted	
			Tr.III 2018 (2010=100)	III.18 / III.17 (%)	Tr. III 2018 (2010=100)	III.18 / II.18 (%)
G	45+46	Trade	151.3	4.5	142.4	1.5
H	49-53	Transport and storage	60.3	17.4	49.7	-0.9
I	55.1	Hotels	283.2	37.0	239.1	28.5
J	58. 61. 62	Information and Communication	85.5	-1.5	80.1	1.5
M	71	Architectural and Engineering activities	280.5	7.9	273.2	-16.7
N	79	Travel agency	283.3	9.5	267.8	1.0

**Tab.2 Number of employees and wages index, Services (2010=100)**

NACE Rev.2		Economic activity	Number of employees		Wages	
Section	Division		Tr. III 2018 (2010=100)	III.18 / III.17 (%)	Tr. III 2018 (2010=100)	III.18 / III.17 (%)
G	45+46	Trade	218.2	6.5	223.3	8.6
H	49-53	Transport and Storage	116.2	5.4	104.1	11.5
I	55.1	Hotels	191.6	21.3	216.3	20.9
J	58. 61. 62	Information and Communication	102.3	4.3	132.6	-0.7
M	71	Architectural and Engineering activities	162.7	5.3	217.1	1.2
N	79	Travel agency	335.0	2.6	384.8	-1.6

# Methodological elucidations

## Information on the observation

### Services

**Purpose** – The short term statistics shows the trend of economic development of a country in quarterly periods. By which the policy makers can develop a short term plan for the further development of the country. The development of the main indicators such as; industrial production turnover, number of employees and wages in time series are described by this publication.

**Coverage**- based on main economic activity the main activities covered in the STS survey for services is as following:

- Total sale and repair of motor vehicles (45) and Wholesale (46)
- Transportation and Storage (is included and the Postal and courier activities) (49-53)
- Accommodation and Food Services, Hotels (55.1)
- Information and Communication (58, 61, 62)
- Architectural and Engineering activities (71)
- Administrative Services and ancillary activities – Travel Agencies (79)

**Model and data collection** - The enterprises are selected from the Statistical Register of Enterprises. The enterprises with 1-9 employees are surveyed by sample survey. Whereas the enterprises with 10 and more employees are surveyed exhaustively. The data are collected directly from enterprises with face to face interview through interviewers. The questionnaire is filled from the interviewers.

**Indicators** – The indicators are given in Index form. The quarterly changes are given in percentage; whereas the annual changes are given in percentage with reference to the base year actually 2010=100. The data do not present absolute values.

**Indexes** – The indexes show the changes in time of a given variable, or of a group of variables. The Index Volume is calculated through the Laspeyres Formula. In order to avoid the prices impact the indices are deflated with the proper price index by activities. Transport with implicit price index calculated, etc.

**The annual and quarterly changes in percentage** – The annual change measures in percentage the change of economic indicators of the actual quarter compared with the same quarter of the previous year. The quarterly change in percentage it measures in percentage the change of economic indicators of the actual quarter against compared with the previous quarter of the same year.

**Revision** – Indexes may be revised due to several reasons: additional information. The methodological changes, or re-evaluation of the used coefficients etc.

### Definition of the main indicators

**Turnover** is the total amount realized by enterprises during the month from the selling of goods. Selling of own products and services excluded VAT.

**Number of persons** working includes all persons who actually work in the observed unit. There are included owners and co-owners and family members that helps in the activity and employees in the end of the quarter.

**Employment index** – shows the evolution of employment in observation unit.

**Wages and salaries** – are defined as the total remunerations. In cash or in kind payable to all persons counted on the payrolls in return for work done during the accounting period.

**Index of wages and salaries** – the gross wages and salaries index approximates the development of the wages and salaries bill.

#### **Seasonal adjustment**

Seasonal adjustment of quarterly time series of producer of materials goods is done by using JDemetra+ 2.1 version software. The chosen model for the decomposition of time series is X-12 ARIMA. Under specification X-13. The span of time series is from first quarter 2005 to third quarter 2018. X-12 ARIMA model is totally based in moving average. In all-time series is applied the multiplicative decomposition and the direct approach. During the process of seasonal adjustment are treated even the special case occurred during the time series span. identified by software as outlier.