

# Short Term Statistics

## Services – Fourth Quarter, 2019

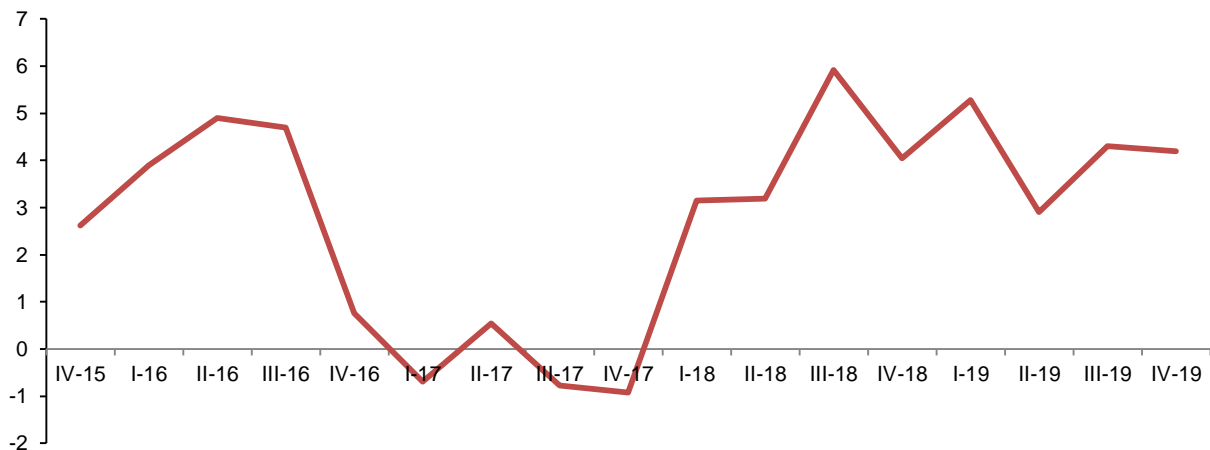
**Tirana, 13 March:** Services quarterly indicators, which include the economic activities: Wholesale and Retail trade; Repair of motor vehicles and motorcycles; Transport and Storage; Hotels; Bar-Restaurants; Information and Communication; Architectural and Engineering activities; Travel agency, in the fourth quarter 2019, 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 fourth quarter 2019, are presented as follows:

- Turnover volume index increased by 4.2 % compared with the fourth quarter 2018;
- The number of employees' index increased by 3.8 % compared with the fourth quarter 2018;
- Wages index increased by 4.1 % compared with the fourth quarter 2018.

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

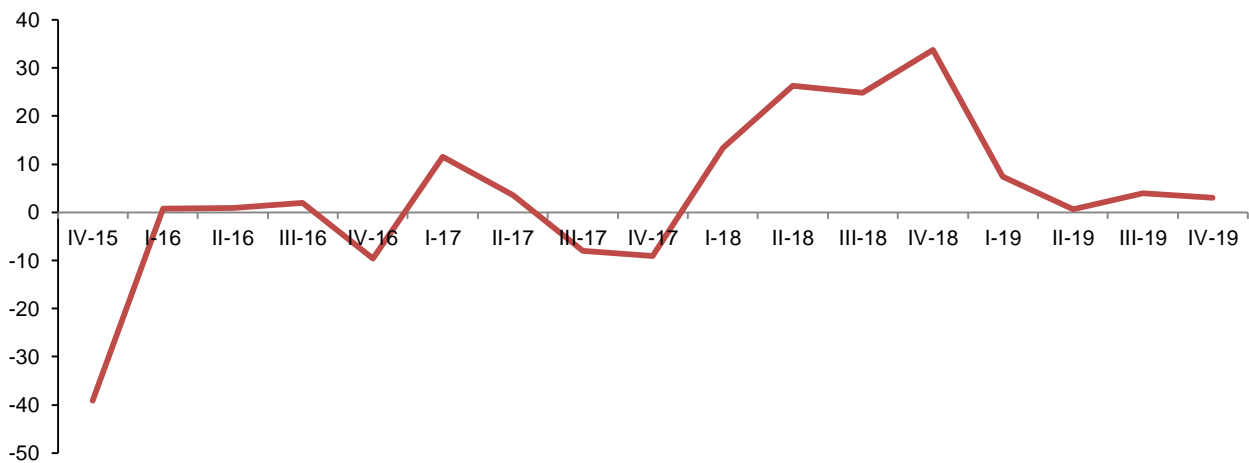


### Transport and storage

Transport and Storage quarterly indicators, which include: Rail transport of goods, Sea transport, Air transport, Storage and Post activity, in the fourth quarter 2019, are presented as follows:

- Turnover volume index increased by 3.0 % compared with the fourth quarter 2018;
- The number of employees' index increased by 4.1 % compared with the fourth quarter 2018;
- Wages index increased by 2.2 % compared with the fourth quarter 2018.

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

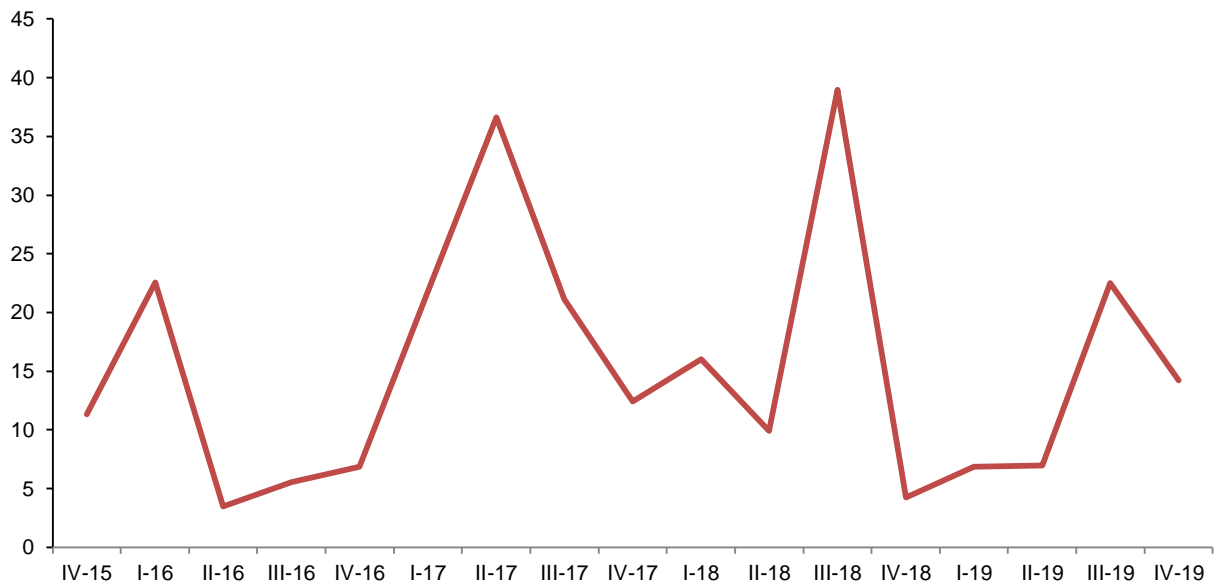


### Hotels

Hotels quarterly indicators, in the fourth quarter 2019, are presented as follows:

- Turnover volume index increased by 14.2 % compared with the fourth quarter 2018;
- The number of employees' index increased by 20.7 % compared with the fourth quarter 2018;
- Wages index increased by 22.8 %, compared with the fourth quarter 2018.

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

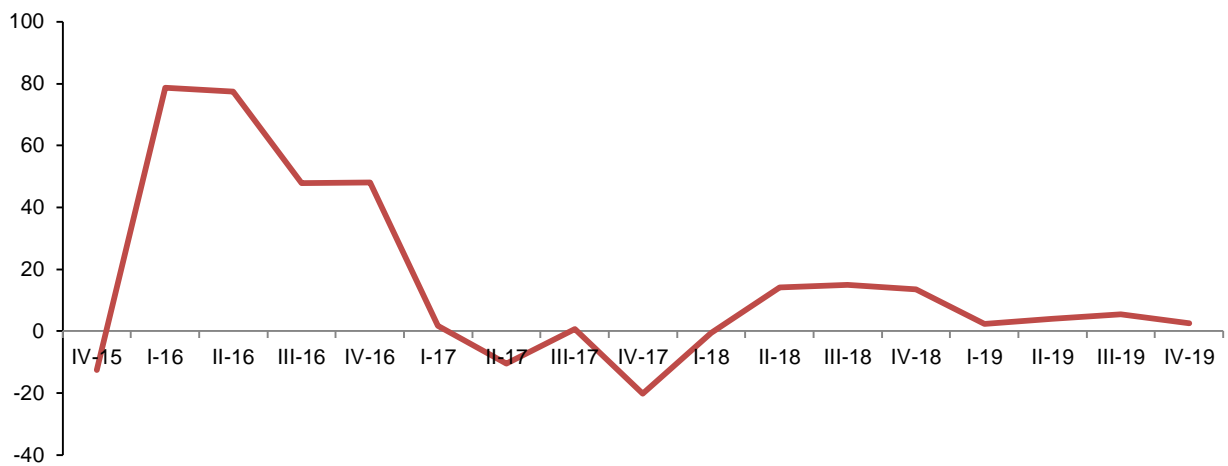


### Bar-Restaurants

Hotels quarterly indicators, in the fourth quarter 2019, are presented as follows:

- Turnover volume index increased by 2.5 % compared with the fourth quarter 2018;
- The number of employees' index increased by 10.3 % compared with the fourth quarter 2018;
- Wages index increased by 18.6 %, compared with the fourth quarter 2018.

**Fig. 4 Annual changes in Turnover volum index, Bar-Restaurants (%)**

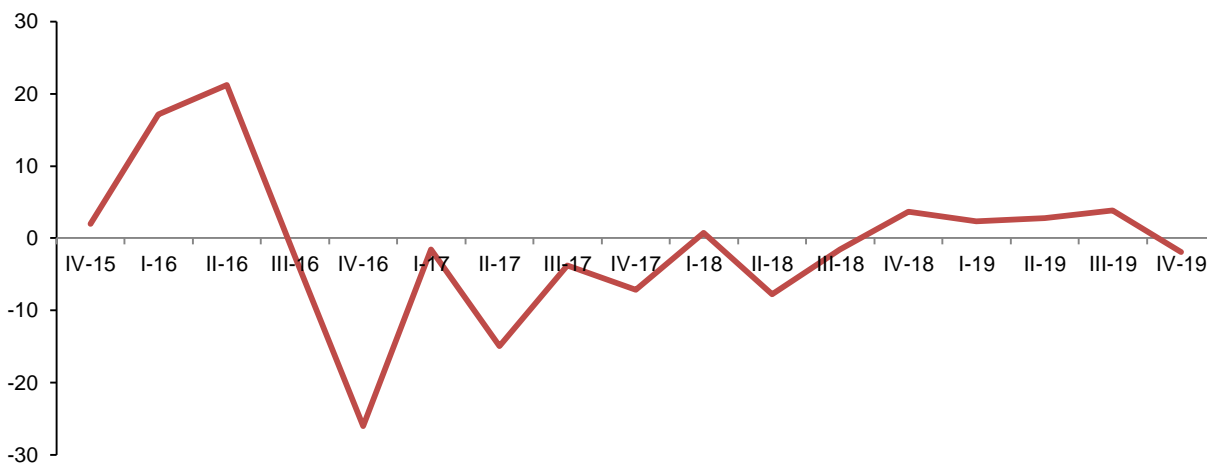


**Information and Communication**

Information and Communication quarterly indicators, which include: Publishing activities, Telecommunications and Computer programming, Consultancy and related activities, in the fourth quarter 2019, are presented as follows:

- Turnover volume index decreased by 1.9 % compared with the fourth quarter 2018;
- The number of employees' index increased by 24.4 % compared with the fourth quarter 2018;
- The wages index increased by 12.9 % compared with the fourth quarter 2018.

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

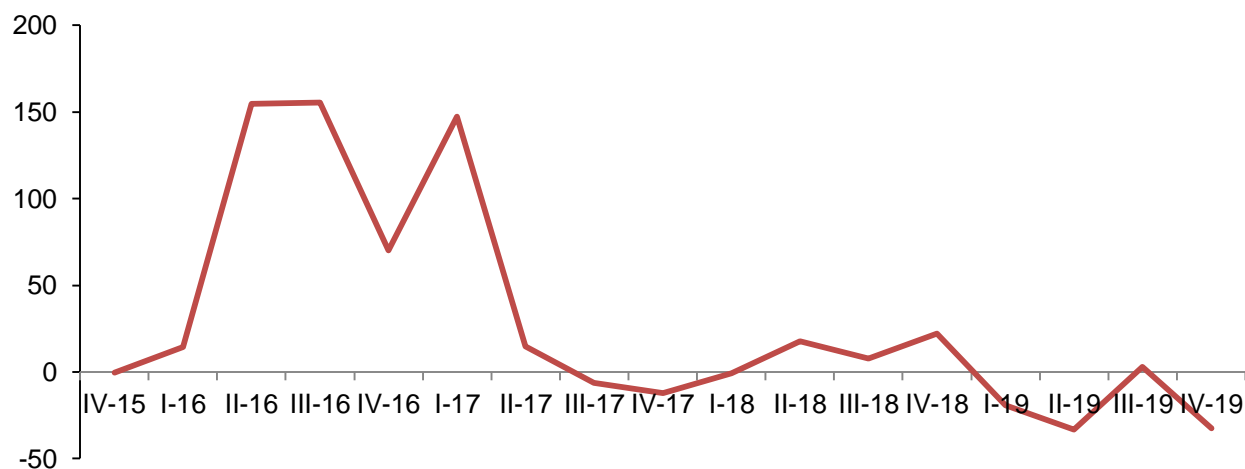


### Architectural and Engineering activities

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

- Turnover volume index decreased by 32.4 % compared with the fourth quarter 2018;
- The number of employees' index decreased by 0.7 % compared with the fourth quarter 2018;
- Wages index increased by 1.2 % compared with the fourth quarter 2018.

Fig.6 Annual changes in Turnover volum index, Architectural and Engineering activities (%)

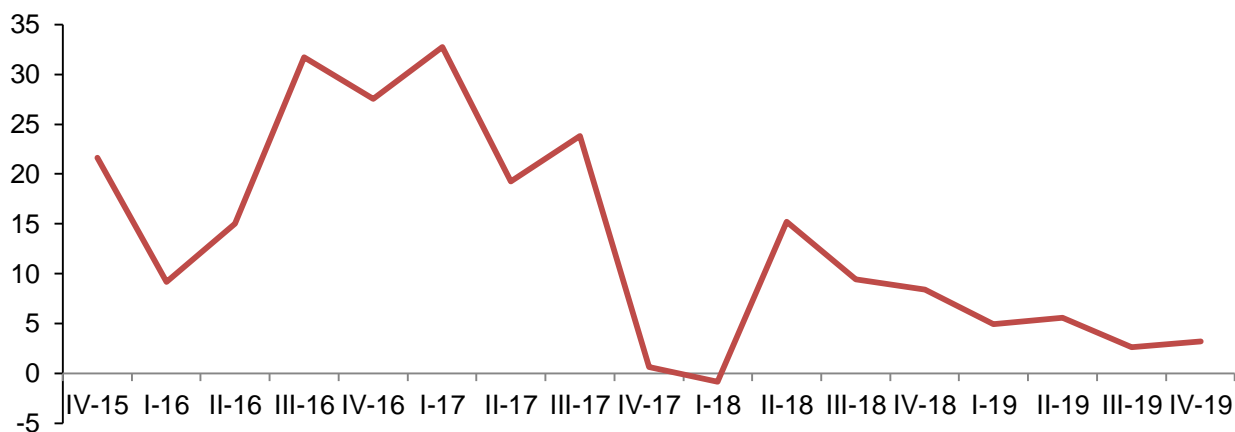


### Travel agency

Travel agency quarterly indicators, in the fourth quarter 2019 are presented as follows:

- Turnover volume index increased by 3.2 % compared with the fourth quarter 2018;
- The number of employees' index increased by 2.8 % compared with the fourth quarter 2018;
- Wages index increased by 2.1 % compared with the fourth quarter 2018.

Fig.7 Annual changes in Turnover volum index, Travel Agency activity (%)



Tab. 1 Turnover volume index, Services (2015=100)

NACE Rev.2			Seasonally undjusted		Seasonally adjusted	
Section	Division	Economic activity	Tr.IV .2019 (2015=100)	IV.19 / IV.18 (%)	Tr.IV.2019(2015=100)	IV.19 / III.19 (%)
G	45+46+47	Trade	119.4	4.2	112.1	-0.9
H	49-53	Transport and storage	121.8	3.0	129.1	3.5
I	55.1	Hotels	154.8	14.2	164.8	-24.7
I	56	Bar-Restorants	155.3	2.5	166.2	-8.0
J	58. 61. 62	Information and Communication	96.5	-1.9	89.8	-3.0
M	71	Architectural and Engineering activities	181.3	-32.4	168.4	-32.6
N	79	Travel agency	159.7	3.2	157.3	-6.3

Tab. 2 Number of employees and wages index, Services (2015=100)

NACE Rev.2			Number of employees		Wages	
Section	Division	Economic activity	Tr.IV 2019 (2015=100)	IV.19 /IV.18 (%)	Tr. IV 2019 (2015=100)	IV.19 /IV.18 (%)
G	45+46+47	Trade	111.3	3.8	114.5	4.1
H	49-53	Transport and Storage	115.2	4.1	124.9	2.2
I	55.1	Hotels	146.0	20.7	169.4	22.8
I	56	Bar-Restorants	150.9	10.3	174.7	18.6
J	58. 61. 62	Information and Communication	100.6	24.4	96.7	12.9
M	71	Architectural and Engineering activities	115.1	-0.7	136.4	1.2
N	79	Travel agency	136.8	2.8	153.1	2.1

# Methodology

## Information

In the wake of its efforts to standardizing and approaching the short term statistics to the standards of EU statistics, the publication of Short Term Statistics - Services has passed through some methodological changes, such as:

- Indices on Short term statistics Services from first quarter 2019 will be calculated with base year 2015=100.
- Weights are calculated based on Structural Business Survey in 2017, realized from INSTAT.
- Based on the main activity is also included Food Services activity (Bar-Restaurants).

## Services

**Purpose** -The short term statistics shows the trend of economic development of a country in quarterly periods. By which the police 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) and Bar-Restaurants (56)
- 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 2015=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 2006 to fourth quarter 2019. 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.