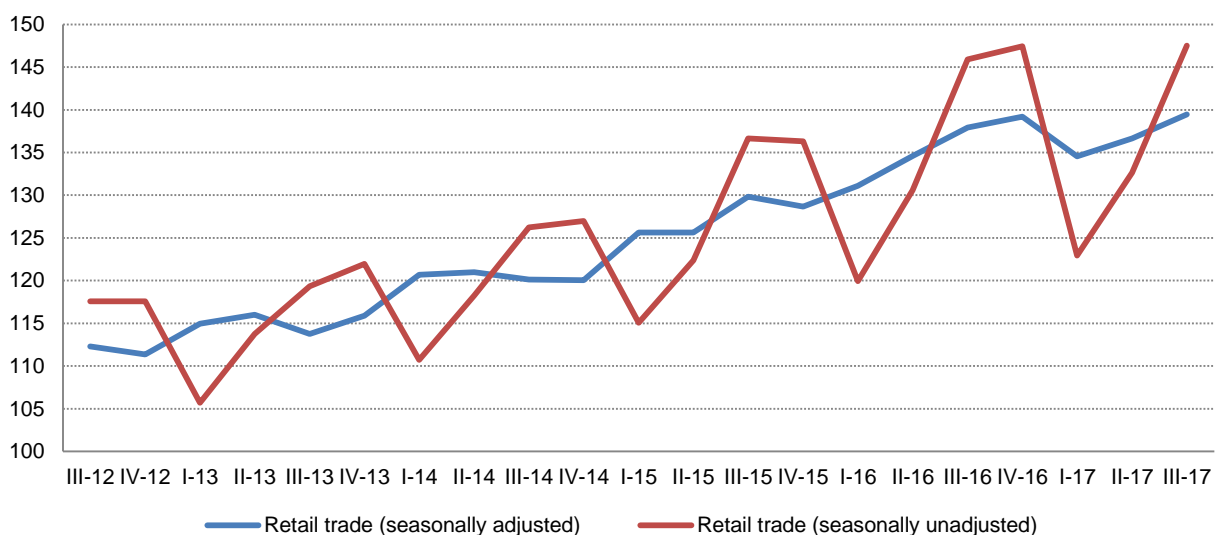# Retail trade

Third Quarter, 2017

Tirana, December 13, 2017: In the third quarter 2017, the turnover volume index increased 1.1 %, compared with the same quarter 2016. This indicator seasonally adjusted, compared with the previous quarter increased 2 %.

Fig. 1 Volume turnover index on retail trade

The annual change of turnover volume index in retail trade

In the group of Retail trade, without including the retail sales of motor fuel, turnover volume index increased 3.4 % compared with the same quarter of previous year.

In the group of "Food, beverages and tobacco in both specialized and non specialized stores", the turnover volume index increased 1.7 %, compared with the same quarter of 2016.
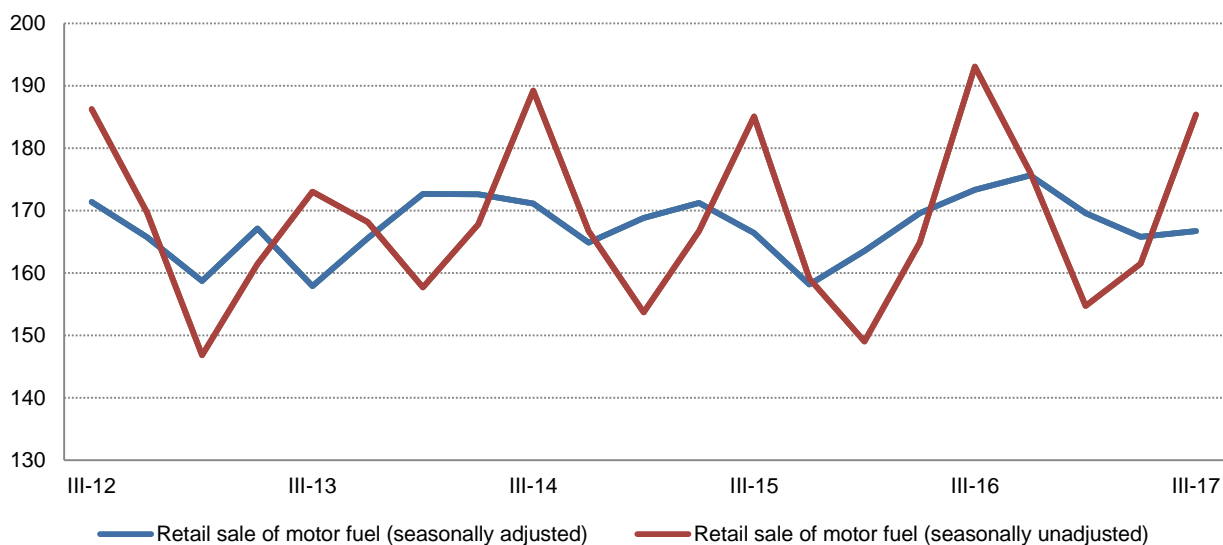
For release 13/12/2017

The group of "Non-food Products in specialized and non specialized stores", without including the retail sales of motor fuel in specialized stores, the value of turnover index volume in the third quarter 2017 increased 4.5 %, compared with the same quarter of the previous year.

The group "Motor fuel retail sales in specialized stores", the value of turnover volume index decreased 4 %, compared with the same quarter of the previous year.

Fig. 2 Volume turnover index on retail sale of motor fuel

— Retail sale of motor fuel (seasonally adjusted)   — Retail sale of motor fuel (seasonally unadjusted)

The contribution of the main groups to the volume of the retail trade turnover index

Referring the annual comparison, the retail trade turnover volume index, in the third quarter 2017, is +1.1%. The groups that have contributed are: The group "Non-food Products in specialized and non specialized stores" with +1.8 percentage point; the group "Food, beverages and tobacco in both specialized and non specialized stores" has contributed with +0.4 percentage point and the group Retail sale of motor fuel" with -1.1 percentage point.

Fig. 2 Contribution of the main branches of the retail trade to real growth rate (q3-2017 / q3-2016)
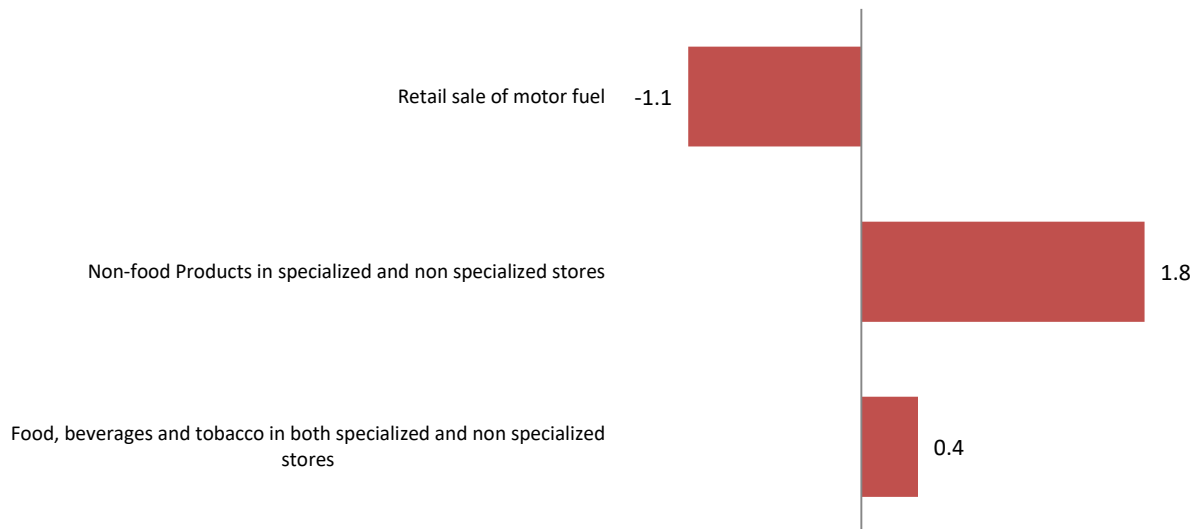
The quarterly change of turnover volume index seasonally adjusted

In the third quarter 2017, the group of retail trade, without including the retail sales of motor fuel, turnover volume index seasonally adjusted increased 3.2 % compared with the second quarter 2017.

In the group of "Food, beverages and tobacco in both specialized and non specialized stores", the turnover volume index seasonally adjusted increased 2.7 %, compared with the previous quarter.

In the group of "Non-food Products in specialized and non specialized stores", without including the retail sales of motor fuel in specialized stores, the volume of turnover index seasonally adjusted, in the third quarter 2017 increased 3.4 %, compared with previous quarter.

In the group "Motor fuel retail sales in specialized stores", the value of volume turnover index seasonally adjusted increased 0.6 %, compared with the second quarter 2017.

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Tab. 1 Annual change on Retail Trade and Retail Sale of motor fuel seasonally unadjusted

%

NACE	Economic activity	III.16 / III.15	IV.16 / IV.15	I.17 / I.16	II.17 / II.16	III.17 /I II.16
47	**Retail trade**	6.8	8.2	2.5	1.6	1.1
47ex473	**Retail trade, except retail sale of automotive fuel**	8.1	6.8	2.0	3.0	3.4
4711; 472	Food, beverages and tobacco in both specialized and non specialized stores	10.1	5.1	-0.2	2.7	1.7
4719; 474-4778	Non-food Products in specialized and non specialized stores	6.6	8.0	3.3	3.1	4.5
473	**Retail sale of motor fuel**	4.3	10.7	3.8	-2.0	-4.0

Tab. 2 Quarterly change on Retail Trade and Retail Sale of motor fuel seasonally adjusted

%

NACE	Economic activity	III.16 /II.16	IV.16 /III.16	I.17 / IV.16	II.17 / I.17	III.17 /II.17
47	**Retail trade**	2.5	0.9	-3.3	1.6	2.0
47ex473	**Retail trade, except retail sale of automotive fuel**	3.1	0.3	-4.3	4.2	3.2
4711; 472	Food, beverages and tobacco in both specialized and non specialized stores	4.5	0.4	-6.1	4.5	2.7
4719; 474-4778	Non-food Products in specialized and non specialized stores	2.4	1.8	-3.4	2.7	3.4
473	**Retail sale of motor fuel**	2.2	1.3	-3.4	-2.3	0.6

Tab. 3 Annual monthly change on Retail Trade and Retail Sale of motor fuel seasonally unadjusted

%

NACE	Economic activity	07 -17 / 07-17	08-17 / 08-16	09-17 / 09-16
47	**Retail trade**	3.0	-0.6	1.1
47ex473	**Retail trade, except retail sale of automotive fuel**	5.1	1.6	3.7
4711; 472	Food, beverages and tobacco in both specialized and non specialized stores	2.8	0.2	2.1
4719; 474-4778	Non-food Products in specialized and non specialized stores	6.4	2.3	4.8
473	**Retail sale of motor fuel**	-1.5	-4.5	-6.0

Tab. 4 Monthly change on Retail Trade and Retail Sale of motor fuel seasonally adjusted

%

NACE	Economic activity	07-17 / 06-17	08-17 / 07-17	09-17 / 08-17
47	**Retail trade**	2.4	-2.1	0.3
47ex473	**Retail trade, except retail sale of automotive fuel**	2.4	-1.1	0.9
4711; 472	Food, beverages and tobacco in both specialized and non specialized stores	5.2	-1.7	-2.6
4719; 474-4778	Non-food Products in specialized and non specialized stores	1.0	-1.3	2.6
473	**Retail sale of motor fuel**	2,7	-3,4	-1,8

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Tab. 5 Monthly value and volume indices on Retail Trade

2010=100

NACE Rev. 2	Group 47							
Year	2014		2015		2016		2017	
Month	Value	Volume	Value	Volume	Value	Volume	Value	Volume
1	127.4	110.1	127.2	117.0	129.9	119.3	132.8	118.4
2	122.8	106.6	122.9	109.9	125.2	115.0	133.0	118.4
3	133.2	115.5	134.2	118.4	137.0	125.6	149.3	132.0
4	129.2	113.0	132.5	116.6	137.1	126.2	143.2	126.4
5	136.3	120.0	139.5	123.7	143.1	132.0	148.9	133.6
6	137.6	121.7	142.4	126.8	145.2	133.6	152.8	138.0
7	140.1	124.6	143.7	128.2	156.3	143.6	163.8	147.9
8	149.8	132.9	159.8	142.9	170.8	156.0	172.4	155.1
9	136.8	121.3	155.3	139.0	151.8	138.1	155.4	139.6
10	135.9	121.0	141.7	127.2	152.4	137.4		
11	126.4	113.2	135.9	123.3	151.2	135.1		
12	160.6	146.8	175.2	158.4	191.0	169.9		

Tab. 6 Monthly value and volume indices on Retail Sale of motor fuel

2010=100

NACE Rev. 2	Group 4730							
Year	2014		2015		2016		2017	
Month	Value	Volume	Value	Volume	Value	Volume	Value	Volume
1	208.1	160.8	191.5	169.1	161.2	147.9	178.7	155.8
2	201.0	151.8	171.1	146.4	147.4	140.1	169.8	148.0
3	211.7	160.4	175.6	145.6	168.1	159.1	188.2	160.4
4	208.5	159.0	191.2	155.6	166.9	159.1	181.6	154.9
5	221.1	169.0	213.7	172.5	179.3	166.5	186.8	160.1
6	229.2	175.4	217.1	172.0	187.4	169.0	194.6	169.4
7	234.1	179.2	229.5	180.5	211.3	189.3	214,6	186,6
8	276.6	211.3	263.2	211.2	242.6	217.0	238,8	207,2
9	231.7	177.1	198.6	163.5	193.0	172.8	187,3	162,4
10	214.6	165.6	188.6	156.1	200.0	175.9		
11	190.0	149.0	177.1	151.1	190.4	167.0		
12	219.7	185.6	196.4	170.1	212.1	185.3		

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Methodological elucidations

General information

INSTAT, from the first quarter 2017, presents the value and volume turnover indices on retail trade with some methodological changes:

- Backasting of indicators (in value and volume) of retail trade time series, as a result of change of number of enterprises registered in 2015 by tax offices.

- Seasonally and calendar adjusted of time series

INSTAT, in 2017 published the Statistical Revision Policy in the following link: (http://www.instat.gov.al/media/371722/revision_policy_2016.pdf)

The process of backasting

In 2015 the number of active enterprises in Statistical Business Register (excluding agricultural enterprise) increased 20 %, impacting so the change of population of domain covered in retail trade by increasing with 15 %.

As a result of this, the results of time series are updated in individual groups, and the weights are updated in aggregate level. From this process the level of results change, we have an increase in the level, but the growth rate remains almost the same.

The process of update is fulfilled by benchmarking the results obtained from the Statistical Business Register updated in 2015, by using the proportional Denton method.

Seasonal and calendar adjustment

Seasonal and calendar adjustment of monthly / quarterly time series of retail trade 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 2005 to 2017. X-12 ARIMA model is totally based in moving average. In all time series is applied the multiplicative decomposition and the direct approach. In calendar adjustment is applied the specification of trading day and a national calendar, considering both moving and fix national holidays. During the process of seasonal adjustment are treated even the special case occurred during the time series span, identified by software as outlier.

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Information on the observation

Purpose – The quarterly statistical Retail Trade data collected by the comitial enterprises show the most recent performance and developments of the economic indicators in the retail trade store units, as well as the consume scale.

The legal base of compilation methodology of Retail Trade indicators is, Council Regulation (EC) No 1165/98, of 19 May 1998 concerning Short-Term Statistics

Scope - Based on the main activity in the survey there are included:

• Retail trade activity, group 47-NACE-Rev. 2.2   (excluding the group 47.79-47.99)
• Retail sale of motor fuel, group 473-NACE Rev.2
The groups are evaluated on the base of percentage that each product or goods had covered in the total Turnover. For the codification of products the Nomenclature of the Products was used.
The main groups of are in accordance with the corresponding groups in the Index of Prices of Consume. The indexes are compared to the base year 2010=100.

Weights – The structure of weights on Retail Trade

Food, beverages and tobacco in both specialized and non specialized stores 28.4%

Non-food Products in specialized and non specialized stores 44.1%

Retail sale of motor fuel 27.5 %

Model - The enterprises are selected from the Statistical Register of Enterprises. The enterprises with 1-4 employees are surveyed by sample survey, whereas the enterprises with 5 and more employees are surveyed exhaustively.
Data collection - The data are collected directly from enterprises. The interviewers collect the data from enterprises. 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 indexes are deflated with the index of the price consume for the respective periods and corresponding groups.
The annual change in percentage - it 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 revaluation 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.

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