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Harmonised indices of consumer prices December – 2016



Foreword

Kosovo Agency of Statistics (KAS) started to publish Consumer Price Index (CPI) in September 2002 until December 2014, and since January 2015 the CPI has been harmonized by the international concept and is published as Harmonized Index of Consumer Prices (HICP). Consumer prices have started to be collected in May 2002 which is considered as a base month. While since the month of January 2016 the Harmonized Index of Consumer Prices (HICP), based on the Eurostat recommendations, is published with base year **2015=100**. Prices are collected from date 10 to 20 each month in 13 municipalities of Kosovo.

Since September 2002, KAS has continuously published CPI-HICP on a monthly basis including twelve publications annually (2004 - 2015)

This publication contains the table of Harmonized Index of Consumer Price in Kosovo on a monthly basis January 2010 - December 2016, monthly and annual HICP changes and average annual index 2016 with annual changes of the HICP in percentage, graphic presentation of HICP development 2010 - 2016 (2015=100), table for specific weights, the average index for 2016, annual changes of harmonized index of consumer prices in percentage (2015 / 2014), index for December 2016, monthly changes of harmonized index of consumer prices in percentage (December 2016 / November 2016) and annual changes of the consumer price index in percentage (December 2016 / December 2015) for groups and subgroups according to COICOP, table with average prices for some more representative items and the calculation methodology of consumer price indices.

Explanation for data users

The time series of Consumer Price Index (CPI) in the country have been published with the base month May 2002 = 100 for the period May 2002 - December 2015. Whereas, from January 2016 with recommendations of Eurostat, the Consumer Price Index (CPI), respectively the Harmonized Index of Consumer Prices (HICP) is calculated with the base year 2015 = 100, and all on this base have been recalculated all of the time series of Consumer Price Index (CPI) in the country, and have been published on 09.06.2016 on the web site of KAS (in the annual publication of the Harmonized Index of Consumer Prices 2002-2015). From January 2016 have been published the time series from the month January 2010.

Proposals, suggestions and feedback can be send via e-mail: economic@rks-gov.net

Consumer Price Index (CPI), namely the Harmonised Index of Consumer Prices (HICP), is a regular monthly publication.

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Symbols and abbreviations

CPI	Consumer Price Index
COICOP	Classification of individual consumption by purpose
HBS	Household Budget Survey
HICP	Harmonized Index of Consumer Prices
KAS	Kosovo Agency of Statistics
:	Figure not available
0	Less than half the unit used
-	Not applicable
%	Percentage
W	Statistical weights (CPI/HICP)
Ø	Average

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Harmonized Index of Consumer Prices (HICP) for December 2016

Overall harmonized index of consumer prices in the country is higher by 0,4% in December 2016 compared with November 2016. The rate of inflation measured in the month of December 2016 to December of 2015 was 1.3%

December 2016 / November 2016 0.4%

The harmonized index of consumer prices is higher by 0.4% in December 2016 compared with November 2016. Increased harmonized index of consumer prices was observed in COICOP subgroups: milk, cheese and eggs (2.1%), vegetables (6.2%), tobacco (2.2%), use of personal transport equipment (1.0%)-(rising price of petrol and diesel) with a common impact of these subgroups of 0,5 percent in the HICP.

The increase was counteracted mainly by decreases of subgroups: bread and cereals (-0.8%) with an impact of -0.1 percent in the HICP.

December 2016 / December 2015 1.3%

Overall harmonized index of consumer prices is higher by 1,3% in December 2016 compared to December 2015. In this period there are some changes in prices of items and services of COICOP groups and subgroups. The increase of the harmonized index of consumer prices has been observed in subgroups: meat (1.0%), milk, cheese and eggs (4.8%), sugar and confectionery (9.4%), coffee, tea and cocoa (3.1%), tobacco (8.3%), clothing (3.2%), electricity, gas and other fuels (1.0%), use of personal transport means (5.4%)-(rising price of petrol and diesel), services for transport (6.3%) - (rising price of plane tickets) with a common impact of these subgroups of 1.7 percent in the HICP.

The increase was counteracted mainly by decreases in this period of COICOP subgroups: bread and cereals (-1.5%), vegetables (-4.0%), audio-visual, photographic and information processing equipment (-3.4%) with a common impact of these subgroups of -0.4 percent in the HICP.

Harmonized Index of Consumer Prices (HICP) for 2016

The annual average inflation rate in 2016 0.3%

Overall harmonized index of consumer prices in the country in 2016 was higher in an average of 0.3% in 2016 compared to 2015. Increased prices are noted to COICOP subgroups: meat (1.5%); oils and fats (2.5%); sugar and sweets (8.8%); non-alcoholic beverages (1.8%); alcoholic beverages (7.2%); tobacco (8.8%); clothes (2.8%); Furniture and furnishin, carpets and other floor coverings (2.0%); medical products and equipment (2.4%); transport service (5.4%)- (increase of plane ticket price) with a common impact of these subgroups of 1.3% in the HICP

Decrease of harmonized index of consumer prices in this period is noticed in the COICOP subgroups: bread and cereals (-2.6%); fruits (-3.5%); vegetables (-6.1%), Water supply and miscellaneous services relating to the dwelling (-4.5%); Electricity, gas and other fuels (-2.7%)-escalation of the VAT by 8.0% from September of 2015 to some items and services has led to inflation dropping at the rate of -0.4 per cent in 2016. Equipment operations of personal transportation (-4.7%)-(decrease of oil and gasoline price) with a common impact of these subgroups of 1.0% in the HICP.

For more details on annual publication of HICP for 2016 in June 2017.

Table 1: Harmonised indices of consumer prices (HICP) January 2010 – December 2016 (2015=100), monthly and annual changes of prices in percentage

Year	Month	Index (2015 = 100)	Monthly change in percentage	Annual change in percentage
2010	January	88.0	0.6	0.7
	February	88.2	0.2	1.1
	March	88.1	-0.1	0.8
	April	87.2	-1.0	1.6
	May	87.5	0.3	2.2
	June	87.6	0.1	2.2
	July	87.9	0.3	2.7
	August	90.5	3.0	6.0
	September	90.8	0.3	6.0
	October	91.9	1.2	6.0
	November	92.3	0.4	6.2
	December	93.2	1.0	6.5
		Annual average 2010	89.4	:
2011	January	94.5	1.4	7.4
	February	96.5	2.1	9.4
	March	97.6	1.1	10.8
	April	96.5	-1.1	10.7
	May	96.5	0.0	10.3
	June	95.7	-0.8	9.2
	July	95.2	-0.5	8.3
	August	95.3	0.1	5.3
	September	95.1	-0.2	4.7
	October	96.2	1.2	4.7
	November	96.2	0.0	4.2
	December	96.5	0.3	3.5
		Annual average 2011	96.0	:
2012	January	97.3	0.8	3.0
	February	98.2	0.9	1.8
	March	98.3	0.1	0.7
	April	97.6	-0.7	1.1
	May	97.6	0.0	1.1
	June	97.3	-0.3	1.7
	July	97.3	0.0	2.2
	August	98.3	1.0	3.1
	September	99.1	0.8	4.2
	October	99.9	0.8	3.8
	November	99.5	-0.4	3.4
	December	100.1	0.6	3.7
		Annual average 2012	98.4	:
2013	January	100.7	0.6	3.5
	February	100.8	0.1	2.6
	March	100.8	0.0	2.5
	April	100.0	-0.8	2.5
	May	99.7	-0.3	2.2
	June	99.9	0.2	2.7
	July	99.6	-0.3	2.4
	August	99.5	-0.1	1.2
	September	99.3	-0.2	0.2
	October	100.1	0.8	0.2
	November	100.3	0.2	0.8
	December	100.6	0.3	0.5
		Annual average 2013	100.1	:

Table 1: Harmonised indices of consumer prices (HICP) January 2010 – December 2016 (2015=100), monthly and annual changes of prices in percentage (continued)

Year	Month	Index (2015 = 100)	Monthly change in percentage	Annual change in percentage
2014	January	100.9	0.3	0.2
	February	100.9	0.0	0.1
	March	101.1	0.2	0.3
	April	100.3	-0.8	0.3
	May	100.2	-0.1	0.5
	June	100.3	0.1	0.4
	July	100.4	0.1	0.8
	August	100.4	0.0	0.9
	September	100.6	0.2	1.3
	October	100.7	0.1	0.6
	November	100.4	-0.3	0.1
	December	100.2	-0.2	-0.4
		Annual average 2014	100.5	:
2015	January	100.3	0.1	-0.6
	February	100.6	0.3	-0.3
	March	100.7	0.1	-0.4
	April	99.9	-0.8	-0.4
	May	99.7	-0.1	-0.5
	June	99.9	0.1	-0.4
	July	99.6	-0.2	-0.8
	August	99.7	0.1	-0.7
	September	99.4	-0.3	-1.2
	October	100.0	0.6	-0.7
	November	100.1	0.1	-0.3
	December	100.0	0.0	-0.2
		Annual average 2015	100.0	:
2016	January	100.5	0.5	0.2
	February	100.7	0.2	0.0
	March	100.8	0.1	0.1
	April	99.8	-1.0	-0.1
	May	99.6	-0.2	-0.1
	June	99.6	-0.1	-0.3
	July	99.6	0.0	0.0
	August	99.8	0.2	0.0
	September	99.9	0.2	0.6
	October	100.9	0.9	0.9
	November	101.0	0.1	0.9
	December	101.3	0.4	1.3
		Annual average 2016	100.3	:

Figure 1: The annual average harmonized index of consumer prices in years 2010 - 2016 (2015 = 100)

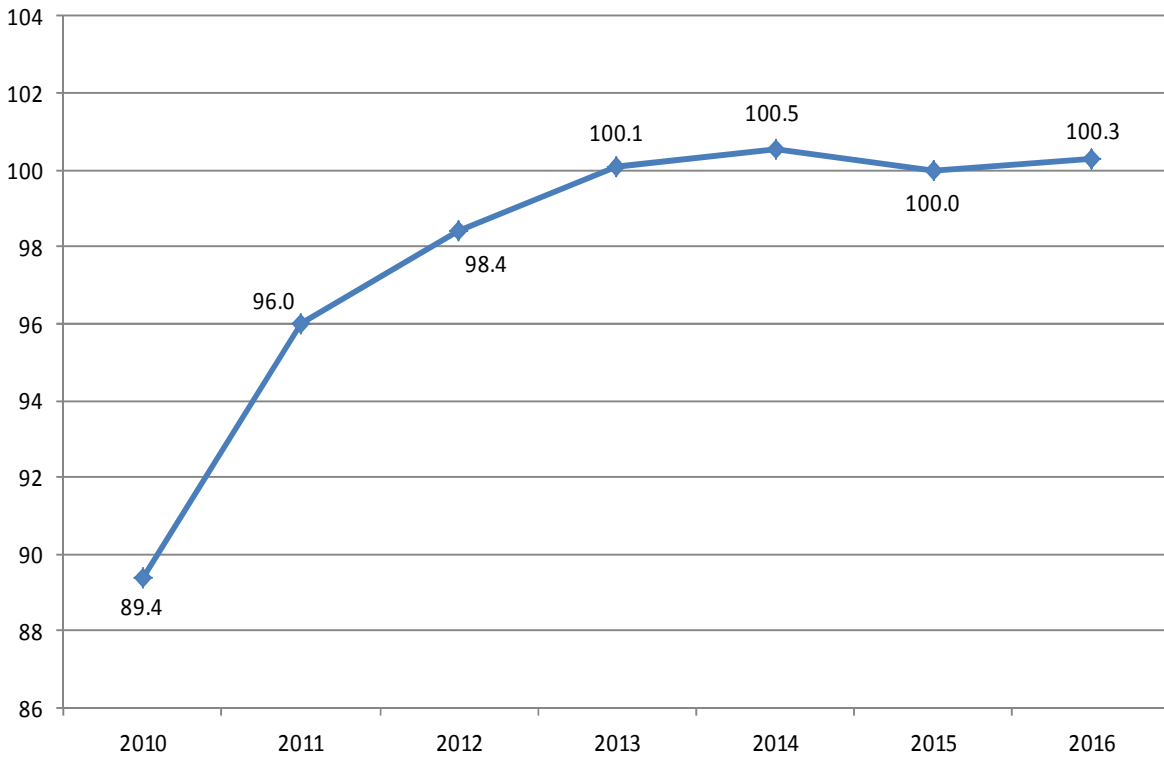


Figure 2: Annual changes in percentage of the harmonized indices of consumer prices

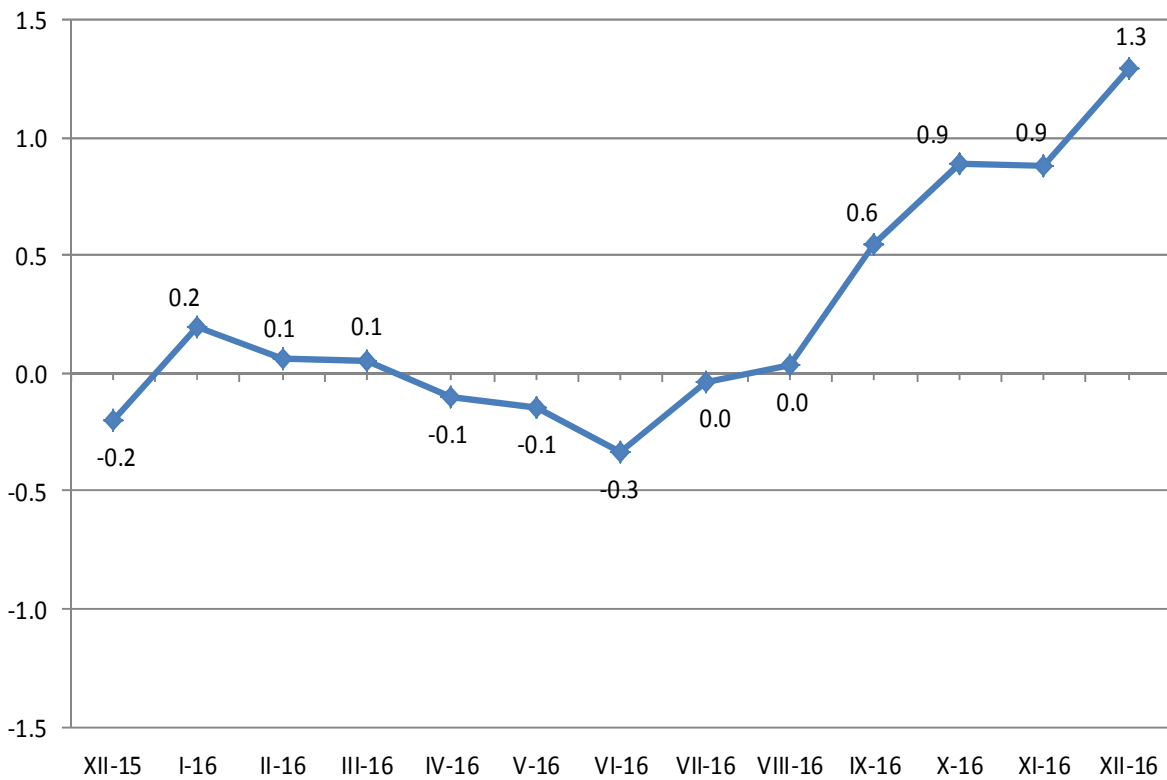


Table 2: Weights, annual average index in 2016, the annual changes in the percentage of consumer prices, the index for December 2016 (2015 = 100), monthly and annual price change in percent for groups and subgroups according to COICOP

COICOP	Groups and subgroups	Weight ‰	XII - 2016 2015=100	XII - 2016 XI- 2016	XII - 2016 XII - 2015	Annual average index 2016 2015=100	2016 2015
00	Total HICP	1000.0	101.3	0.4	1.3	100.3	0.3
01	Food and non-alcoholic beverages	392.4	99.8	0.6	0.7	99.6	-0.4
01.1	Food	339.1	99.5	0.7	0.7	99.4	-0.6
01.1.1	Bread and cereals	82.8	96.6	-0.8	-1.5	97.4	-2.6
01.1.2	Meat	109.7	101.9	-0.1	1.0	101.5	1.5
01.1.3	Fish	4.0	100.4	0.4	-0.4	100.5	0.5
01.1.4	Milk, cheese and eggs	52.6	104.9	2.1	4.8	100.3	0.3
01.1.5	Oils and fats	10.7	102.5	0.9	-1.1	102.5	2.5
01.1.6	Fruits	16.9	85.8	-1.8	-1.0	96.5	-3.5
01.1.7	Vegetables	36.9	91.7	6.2	-4.0	93.9	-6.1
01.1.8	Sugar, jam, honey, chocolate and confectionery	16.9	114.6	1.1	9.4	108.8	8.8
01.1.9	Food products n.e.c.	8.6	101.8	-0.1	1.4	101.0	1.0
01.2	Non-alcoholic beverages	53.3	102.3	0.1	1.0	101.8	1.8
01.2.1	Coffee, tea and cocoa	11.6	104.5	0.8	3.1	102.3	2.3
01.2.2	Mineral waters, soft drinks, fruit and vegetable juices	41.7	101.8	-0.1	0.4	101.7	1.7
02	Alcoholic beverages, tobacco	51.7	110.4	1.7	6.0	107.9	7.9
02.1	Alcoholic beverages	19.3	108.0	0.8	2.1	107.2	7.2
02.2	Tobacco	32.4	112.2	2.2	8.3	108.8	8.8
03	Clothing and footwear	45.1	104.0	0.0	2.6	102.7	2.7
03.1	Clothing	33.9	104.3	0.2	3.2	102.8	2.8
03.2	Footwear	11.2	103.0	-0.7	0.9	102.2	2.2
04	Housing, water, electricity, gas and other fuels	78.6	105.0	0.0	0.6	97.8	-2.2
04.1	Actual rentals for housing	6.0	98.9	0.0	-1.1	99.4	-0.6
04.3	Maintenance and repair of the dwelling	5.8	100.3	-0.1	0.1	100.4	0.4
04.4	Water supply and miscellaneous services relating to the dwelling	11.8	95.5	0.0	-0.1	95.5	-4.5
04.5	Electricity, gas and other fuels	55.0	108.1	0.0	1.0	97.3	-2.7
05	Furnishing, household equipment and routine maintenance of the house	87.3	101.8	0.0	1.0	101.5	1.5
05.1	Furniture and furnishing, carpets and other floor coverings	23.5	102.3	-0.1	1.5	102.0	2.0
05.2	Household textiles	3.3	101.6	0.0	1.3	101.5	1.5
05.3	Household appliances	14.0	101.6	0.1	0.5	101.9	1.9
05.4	Glassware, tableware and household utensils	10.4	104.3	-0.1	2.7	102.7	2.7
05.5	Tools and equipment for house and garden	14.8	101.6	0.1	0.6	101.4	1.4
05.6	Goods and services for routine household maintenance	21.3	100.6	0.0	0.1	100.5	0.5

Table 2: Weights, annual average index in 2016, the annual changes in the percentage of consumer prices, the index for December 2016 (2015 = 100), monthly and annual price change in percent for groups and subgroups according to COICOP (continued)

COICOP	Groups and subgroups	Weight %	XII - 2016 2015=100	XII - 2016 XI- 2016	XII - 2016 XII - 2015	Annual average index 2016 2015=100	2016 2015
06	Health	33.5	102.2	0.0	0.1	102.3	2.3
06.1	Medical products, appliances and equipment	21.9	102.3	0.0	-0.1	102.4	2.4
06.2	Out-patient services	8.4	102.4	0.0	0.7	102.4	2.4
06.3	Hospital services	3.2	100.0	0.0	0.0	100.0	0.0
07	Transport	131.2	100.3	0.4	3.8	98.2	-1.8
07.1	Purchase of vehicles	37.8	100.4	-0.4	-0.7	100.8	0.8
07.2	Equipment operations of personal transportation	73.0	99.6	1.0	5.4	95.3	-4.7
07.3	Transport services	20.4	104.7	-0.6	6.3	105.4	5.4
08	Communication	37.9	99.4	0.1	-0.6	99.9	-0.1
08.1	Postal services	3.0	104.6	0.0	4.6	102.3	2.3
08.2	Telephone and telefax equipment	7.0	97.2	0.3	-2.8	99.3	-0.7
08.3	Telephone and telefax services	27.9	99.4	0.0	-0.6	99.8	-0.2
09	Recreation and culture	46.3	99.4	-0.4	-0.9	100.0	0.0
09.1	Audio-visual, photographic and information processing equipment	11.0	96.5	-0.6	-3.4	98.4	-1.6
09.2	Other major durables for recreation and culture	3.3	100.1	0.0	-0.1	100.4	0.4
09.3	Other recreational items and equipment, gardens and pets	8.7	102.2	-0.2	1.2	102.0	2.0
09.4	Recreational and cultural services	6.0	100.6	0.0	0.0	100.6	0.6
09.5	Newspapers, books and stationery	13.3	98.7	-0.5	-1.3	99.1	-0.9
09.6	Package Holidays	4.0	100.6	-0.6	0.4	100.6	0.6
10	Education	12.3	99.9	0.0	-0.4	99.9	-0.1
11	Restaurants and hotels	34.6	100.6	-0.2	-0.5	100.6	0.6
11.1	Catering services	27.7	101.4	0.1	0.0	101.1	1.1
11.2	Accommodation services	6.9	97.4	-1.6	-2.7	98.8	-1.2
12	Miscellaneous goods and services	49.1	100.8	0.1	0.9	100.9	0.9
12.1	Personal care	15.6	101.0	0.3	0.7	100.9	0.9
12.3	Personal effects n.e.c.	8.2	98.8	0.0	1.7	98.8	-1.2
12.4	Social protection	1.0	104.3	0.0	1.5	104.2	4.2
12.5	Insurance	10.9	102.3	-0.1	1.1	102.5	2.5
12.6	Financial services n.e.c.	9.6	100.0	0.0	0.0	100.0	0.0
12.7	Other services n.e.c.	3.8	101.2	0.0	1.2	101.2	1.2

Table 3: Average prices in Euros for some selected goods and services

Code	Item	Unit Mesaure	XII 2015	XI 2016	XII 2016
101	Rice	1 kg	1.32	1.35	1.35
102	Wheat flour	1 kg	0.37	0.41	0.41
103	White bread	500g	0.30	0.29	0.29
111	Beef meat	1 kg	6.48	6.47	6.50
112	Veal meat	1 kg	7.31	7.38	7.34
114	Chicken	1 kg	2.61	2.60	2.59
131	Milk (tetrapak)	1 lit	0.88	0.86	0.86
133	Yoghurt	1 lit	0.88	0.88	0.86
137	Eggs	30 pcs	2.34	2.60	2.92
141	Edible oils	1 lit	1.19	1.12	1.13
153	Bananas	1 kg	0.99	1.01	0.99
161	Potatoes	1 kg	0.37	0.37	0.36
162	Tomatoes	1 kg	0.85	0.73	0.82
163	Beans	1 kg	2.41	2.13	2.20
167	Pepper	1 kg	1.33	1.01	1.28
175	Sugar	1 kg	0.73	0.90	0.92
192	Ground coffee	1 kg	7.04	7.21	7.29
193	Tea	1 kg	5.81	6.15	6.27
195	Mineral water	1.5 lit	0.31	0.30	0.31
204	Beer	0.5 l	0.63	0.64	0.64
215	Cigarettes - Ronhill	1 pack	1.39	1.50	1.54
217	Cigarettes - Marlboro	1 pack	2.32	2.41	2.49
416	Electricity	1 kwh	0.070	0.071	0.071
418	Firewood	1 m ³	39.88	39.26	39.10
701	Petrol	1 lit	0.97	1.02	1.04
702	Diesel	1 lit	0.94	0.98	1.00

HICP Methodology

HICP Kosovo, produced by Kosovo Agency of Statistics (KAS), is produced by methods of the Harmonized Index of Consumer Prices (HICP). Eurostat has defined the HICP as the European standard of consumer price indices. Index calculated and their results are presented by Classification of Individual Consumption by Purpose (COICOP), the international classification which classifies consumption in divisions, groups and classes of items. By COICOP, KAS has allocated 83 classes of defined consumption (at 5-digit level) further to 380 products (elementary aggregate). KAS has defined aggregation weight for each element and each month collects prices for each elementary aggregate.

Each month the HICP is calculated in two steps:

1. Elementary indices (elementary aggregate indicator) calculated from the collected prices by using the formula of unweighted geometric average (Jevon).
2. The indices of the highest level, including the HICP itself, are calculated by averaging the elementary indices by formula of weighted arithmetic average (Laspeyres).

Elementary aggregate weights are based on estimates of annual consumer spending.

For 83 classes the KAS evaluates consumption of annual consumer spending from the Household Budget Survey (HBS) and National Accounts (NA); weights within the consumer classes come from domestic sources of KAS. Specific weights from January 2013 were based on estimates of the data of the Household Budget Survey (HBS) and National Accounts (NA) that refer to 2012, while from January 2015 specific weights based on updated data of National Accounts (NA) and the Household Budget Survey (HBS) in 2013. From January 2016 specific weights for items and services harmonized by E-COICOP (recommendations by Eurostat) are based on data from the National Accounts (NA) and the Household Budget Survey (HBS) 2014. Weights updated annually provides that HICP reflects current consumer trends.

Total annual consumption expenditure is defined as all domestic (within-country) monetary purchases of the household sector. This matches the NA category called *Household Final Monetary Consumption (HFMC)* and means the weights must exclude the value of consumption of own production and costs for owner-occupied housing. Until December 2014 the weights included expenditure of only domestic consumers, while from January 2015 are also include expenditure of non resident consumers.

To estimate monthly price change, KAS staff collect prices for a set of specific items (often called a *market basket*) chosen to represent the elementary aggregates. The goal is to collect all prices of exactly the same items every month; whenever a price cannot be collected, carefully developed procedures must be applied to avoid a biased result.

KAS data collectors, who are based in seven regional centers, collect approximately 6000 prices during the period of 10th - 20th of each month. They obtain prices in stores, markets, service enterprises and other retail outlets in thirteen municipalities of Kosovo:

- Gjakovë
- Gjilan
- Istog
- Mitrovicë
- Pejë
- Kamenicë
- Vushtrri
- Podujevë
- Prizren
- Prishtinë
- Suharekë
- Ferizaj
- Rahovec

The KAS central office staff in Pristina collects prices for items such as electricity, water, postal and telecom services, and rail transport.

Elementary Indexes

Elementary index for a month is equal to its index in the previous month multiplied by the price change measured on a monthly basis, calculated from collected prices. KAS uses the geometric mean formula (Jevon) to calculate monthly changes: geometric average rate of the current month in geometric average price collected for the previous month.

Index for elementary aggregate e for month m

$$I_e^m = I_e^{m-1} \times \left[\frac{\left(\prod_{i=1}^{n_e} p_i^m \right)^{1/n_e}}{\left(\prod_{i=1}^{n_e} p_i^{m-1} \right)^{1/n_e}} \right] \quad I_e^0 \equiv 100$$

I_e^m = Price index for elementary aggregate e for month m

I_e^{m-1} = Price index for elementary aggregate e in month $m-1$

p_i^m = Price for item i in month m

p_i^{m-1} = Price for item i in month $m-1$

n_e = Number of collected prices for elementary aggregate e

Higher-level indexes

In Kosovo's HICP indexes are calculated first for groups (of elementary aggregates) and these are combined to obtain the overall HICP.

Higher-level indexes are weighted by arithmetic averages of elementary indexes. In the current CPI, which uses the *Young* formula until December 2013, the weights are shares of the unadjusted weight-period expenditures. Since January 2014 the index will use the *Lowe* formula, with weights that are shares of weight-period expenditures that have been updated for price change. (The *Lowe* formula is closer to the actual *Laspeyres* formula).

Both the *Young* and *Lowe* formulas are weighted by arithmetic averages with weights that are shares of consumption expenditure and so both are *Laspeyres-type* index formulas. Currently HICP uses the *Young* index formula whose weights are shares of expenditures during the weight period (2010). New weights from NA data and from the 2012 HBS and are applied from January 2014. CPI has passed in calculating indexes by *Lowe's* formula; (weights have been spending part of 2012 calculated by price changes in December 2013, and by January 2015 are applied new weights from the NA data and the HBS 2013 calculated with the price changes in December 2014 (HICP weights).

Index weights

Young Formula Weights for Elementary Aggregates within Groups

$$w_{e,g}^b = \frac{x_e^b}{\sum_{e=1}^{k_g} x_e^b} \quad \sum_{e=1}^{k_g} w_{e,g}^b = 1$$

$w_{e,g}^b$ = Weight for elementary aggregate e within group g in weight-period b

x_e^b = expenditure for elementary aggregate e in weight-period b (Currently $b = 2012$)

k_g = Number of elementary aggregates in group g

Young Formula Weights for Groups within the Overall CPI

$$w_g^b = \frac{\sum_{e=1}^{k_g} x_e^b}{\sum_{g=1}^h \sum_{e=1}^{k_g} x_e^b} \quad \sum_{g=1}^h w_{e,g} = 1$$

w_g^b = Weight for group g in weight period b

h = Number of groups in CPI

Lowe Formula Weights for Elementary Aggregates within Groups

$$w_{e,g}^b = \frac{x_e^b \times a_e^{b \rightarrow v}}{\sum_{e=1}^{k_g} (x_e^b \times a_e^{b \rightarrow v})} \quad \sum_{e=1}^{k_g} w_{e,g} = 1$$

$w_{e,g}^b$ = Weight for elementary aggregate e within group g in weight-period b
(Effective January 2014, $b = 2012$)

$a_e^{b \rightarrow v}$ = weight adjustment factor for elementary aggregate e

$$a_e^{b \rightarrow v} = I_e^v / \frac{1}{12} \left(\sum_{m=Jan}^{Dec} I_e^{m/b} \right)$$

I_e^v = Price index for elementary aggregate e for month v

(Effective January 2014, $v =$ December 2013)

$I_e^{m/b}$ = Price index for elementary aggregate e in month m in year b

Lowe Formula Weights for Group within Overall-CPI

$$w_g^b = \frac{\sum_{e=1}^{k_g} (x_e^b \times a_e^{b \rightarrow v})}{\sum_{g=1}^h \sum_{e=1}^{k_g} (x_e^b \times a_e^{b \rightarrow v})} \quad \sum_{g=1}^h w_{e,g} = 1$$

Indexes for higher-level Groups

$$I_g^m = \sum_{e=1}^{k_g} w_{e,g}^b * I_e^m \quad I_e^0 = 100$$

period 0 is May 2002 for most items,
but later for items that entered at a later date

Overall HICP

Overall HICP is a weighted arithmetic average of the indexes of groups. CPI used in the formula of Young, but since January 2014 has passed in using Lowe formula.

Because the groups have different bases indexed (most have a base May 2002 = 100, but the groups added later have otherwise, since January 2016 the indices are calculated with base year 2015 = 100), indices of groups should be re-based on a common period, which is the month v (previous month before new weights being put into use).

$$\text{HICP}^m = \text{HICP}^v \times \sum_{\xi=1}^n w_{\xi}^b \times \frac{I_{\xi}^m}{I_{\xi}^v} \quad \text{HICP}^0 = 100$$

HICP^m = Harmonized index of consumer prices for the month **m**

v = previous month before new weights being put into use). (Currently $v = 2015=100$)

Kosovo Agency of Statistics

short description

Kosovo Agency of Statistics is a professional institution which deals with collection, processing and publication of official statistical data. As such acts since 1948 and has passed through several historical stages, structured according to state regulation of those times.

On 2 August 1999, the Agency has resumed his professional work (after nine years of interruption of all statistical series detrimental to the interest of Kosovo), as an independent institution under the Ministry of Public Administration. Since 12.12.2011 the Agency operates in the frames of the Prime Minister's Office. Office is funded by the Kosovo Consolidated Budget, but also by donors for specific projects and for technical professional support.

Kosovo Agency of Statistics acts according to the Law No. 04/L-036 which entered into force on 12.12.2011. Programme of Official Statistics 2013/2017 is in implementation for the development of statistical system in correlation with the European Union statistics (EUROSTAT).

Kosovo Agency of Statistics has this organizational structure: production departments; (Department of Economic statistics and National Accounts, Department of Agriculture and Environment statistics and Department of Social statistics. **Support Departments**; Department of Methodology and Information Technology, Department of Policy Planning, Coordination and Communication, Department of Census and survey and Department of Administration. **Within the Agency are also established Regional Offices**; Gjakove, Gjilan, Mitrovica, Peja, Prizren, Pristina and Ferizaj

Number of employees and budget are still limited. In KAS are employed in total 143 workers, of whom 98 (68,58 %) at the headquarters of the Agency, while in the Regional Offices, 45 (31,5%). Agency's educational qualifying structure is as follows: 61,7% with university education, 15,4% with with non-tertiary education, and 17.5% with secondary education.

We have professional and technical cooperation with all Ministries of the Government of Kosovo, especially with the Ministry of Economy and Finance, Central Bank of Kosovo, with international institutions, EUROSTAT, International Monetary Fund, World Bank, Sweden's SIDA, DFID, UNFPA, UNDP, UNVEF, and with the statistical institutions of the countries in the region.

Kosovo Agency of Statistics almost completely covers the territory of Kosovo, based on the statistical structure of the enumeration areas as the basic unit and sole in the country from which it gets first hand information. All surveys conducted in the field use the extension of the samples in these enumeration areas but also a statistical methodology according to international recommendations. During the collection of statistical data and reports from reporting entities are involved professionals, technicians, administrators, servants of the country offices, field enumerators from regional offices, etc.

In 2011, the project of Population Census , Households and Dwellings was successfully implemented, and in 2014 was successfully carried out the Agriculture Census. The result obtained from these censuses will have an important role in the development policies.

The mission of the Agency; to meet the needs of users with qualitative statistical data, objective, in time and space so that users have reliable base to conduct regular analysis in the interest of planning and project development at the municipal and country level. To support government institutions, scientific institutes, research academies, businesses in order to provide proper information for decision-makers and other users in Kosovo.

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