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Series 3: Economic Statistics

Energy Balance Q4 2017



Foreword

Kosovo Agency of Statistics (KAS) has prepared data on coal production and consumption, energy production and consumption, import and export of energy and import and export of other energy fuels. This statistical publication presents statistical data for the fourth quarter of 2017.

Data sources used, include: Kosovo Energy Corporation (KEK), Kosovo Company for Distribution and Supply of Electricity KEDS, and Kosovo International Trade Statistics.

Based on continued demand from various internal and external users and based on indicators of Eurostat which publishes the statistics of energy, we have presented data of interest.

The purpose of the publication is to be mindful of the tendency of development of this sector.

This publication will serve as a useful reference for all users of KAS statistical data and will serve as useful and relevant economic information for Kosovo.

In particular we thank the Kosovo Energy Corporation and the Kosovo Company for the Distribution and Supply of Electricity without whose cooperation this publication would not be possible.

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Symbols and abbreviations

Q 1 – First Quarter

Q 2 – Second Quarter

Q 3 – Third Quarter

Q 4 – Fourth Quarter

DIS – Distribution

GWh – A unit for measuring power (Gigawatt hours of power).

MWh – A unit for measuring power (Megawatt hours of power) (1GWh=1000MWh).

Key to symbols

- Not applicable

: No data.

Note: Position (Public lighting+Other¹) is realized internal consumption for secondary needs to mining and quarrying.

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Coal production for the fourth quarter of 2017

In the fourth quarter of 2017, coal production is 1 718.8 thousand tons.

Gross electricity production in PP & HPP for the fourth quarter of 2017

In the fourth quarter of 2017, the gross amount of electricity produced in the power plants is 1 131.6 GWh, while in the hydro power plants it is 30.9 GWh.

Import and export of electricity for the fourth quarter of 2017

In the fourth quarter of 2017, Kosovo imported 380.9 GWh of electricity.

In this quarter (Q4 2017) Kosovo has exported 90.0 GWh of electricity.

Final or the last consumers for the fourth quarter of 2017

In the fourth quarter of 2017, the amount of electricity available to consumers is 1 094.0 GWh of electricity. In relation to the same quarter last year (Q4 2016), the amount of electricity consumed raised by 18.5%.

(To see the distribution of electricity according to final customers in percent, see Graph.1).

Import and export of fuels for the fourth quarter of 2017

To see the progress of the import and export of fuels for the fourth period of 2017 see Table 2a and 2b.

Methodological explanations and definitions

¹Electricity - means the form of energy which is transported through metal conductors.

Energy – means any form of manufactured or obtained energy (electricity, heating or natural gas) for supply or sale purpose.

Energy fuel - Fuels which release the energy during combustion are called energy fuels.

Energy enterprise - means electricity company which carries one or more of the following energy activities: production, transformation, transmission, distribution, supply, trading or disposal of electricity, heat or natural gas under a license issued by the Law on Energy Regulator or without a license if such license is not required.

Production of coal - Represents the amount of coal that is extracted from the mines.

Production of electricity - represents the amount of electricity produced in power plants and hydropower plants.

Power generation - implies the generation of electricity, heat or any other form of energy.

Gross energy production - represents all the amount of electricity production in power plants or hydropower plants.

Net energy production - represents the amount of electricity to the brink.

Imports of electricity - represents the amount of electricity purchased outside the state.

Exports of electricity - represents the amount of energy sold outside the state.

Exchanges of electricity - represent the amount of electricity exchanged or produced in the country and abroad.

Losses of electricity - represent the amount of electricity that is lost in transmission and distribution.

Consumer - means the consumer to purchase wholesale or the end (final) consumer of energy.

Privileged consumers (220-110kV) - means any natural or legal person who is free to buy electricity from the supplier to the choice of his/her.

Distribution - means that transport of electricity, heat or natural gas through high voltage lines, medium, or medium-pressure pipelines or low, in order of a delivery to customers, but not including supplies.

²(2701) Coal- briquette, egg-shaped and similar fuels produced from solid coal.

(2702) Lignite- whether or not agglomerated, excluding jet.

¹ Methodological explanations are taken from Energy Law No. 2004/8.

² Nomenclature of goods and customs fees.

(2703) Peat- (including its waste or litter), whether or not agglomerated.

(2704) Coke and semi-coke of coal. Lignite or of peat. Whether or not agglomerated; retort carbon:

(2705) Coal gas, water gas, producer gas, weak gas and similar gases (EXTL. petroleum gases and other gaseous hydrocarbons)

(2706) Tar distilled from coal, from lignite or from peat, and other mineral pitch, whether or not dehydrated or partially distilled including tar rebuilt.

(2707) Oils and other products of the distillation of high temperature coal tar, similar products in which the weight of the aromatic constituents exceeds those of non aromatic.

(2708) Turpentine and turpentine coke, obtained from coal tar or from other mineral tars.

(2709) Petroleum oils and oils obtained from bituminous minerals, crude.

(2710) Petroleum oils and oils obtained from bituminous minerals, other than crude; preparations unspecified and not elsewhere, containing by weight 70% or more of petroleum oils or oils obtained from bituminous minerals. These oils being the basic constituents of the preparations.

(2711) Petroleum gases and other hydrocarbon diesel.

(2712) Gelatin oil, paraffin wax, microcrystalline petroleum wax, liquid wax, ozokerite, lignite wax, peat wax, other mineral waxes, and similar products obtained by synthesis or by other processes, whether or not colored.

(2713) Coconut oil, bitumen and other residues of oils obtained from bituminous minerals.

(2714) Natural bitumen and asphalt, bituminous or oil-shale and tar sand, asphalt and asphaltic rocks

(2715) Bituminous mastic backed and other bituminous mixtures based on natural asphalt, bitumen supernatural, oil bitumen or mineral tar.

1 Production and consumption of coal, electricity production in power plants and hydropower plants, import and export of electricity

Tab 1. Production and consumption of coal, electricity production in power plants and hydropower plants, import and export of electricity from the year 2002- 2017

Period	Coal production in thousand tons	Gross electricity production in PP in GWh	Electricity production in hydro power plants in GWh	Consumption GWh (including consumers 220-110kV)	Import of electricity GWh	Export of electricity GWh
2002	5,527.9	3,151.7	:	1,950.4	816.1	648.2
2003	6,465.9	3,221.1	:	2,041.1	637.3	277.6
2004	5,658.3	3,481.1	:	2,139.3	650.7	194.7
2005	6,391.1	3,999.5	:	2,109.4	490.7	225.8
2006	6,532.4	3,970.5	:	2,154.9	537.9	253.3
2007	6,715.4	4,309.5	93.2	2,391.6	623.3	360.0
2008	7,842.0	4,505.8	75.7	2,941.0	647.6	235.0
2009	7,870.7	5,260.0	88.7	3,200.7	767.5	113.9
2010	7,958.1	5,481.0	115.5	3,480.3	816.6	350.6
2011	8,212.1	5,696.4	75.4	3,684.9	816.2	371.2
2012	8,028.4	5,847.2	65.0	3,611.6	625.1	472.8
2013	8,219.4	6,248.3	136.7	3,705.6	521.7	856.9
2014	7,204.2	5,324.0	151.4	3,772.0	875.3	474.8
2015	8,241.0	5,978.7	141.6	3,971.8	684.3	552.5
2016	8,800.8	6,248.8	234.6	3,595.3	458.8	1,064.2
2017	7,574.7	5,725.9	180.2	4,107.8	742.0	885.7

Tab 1a. Production and consumption of coal, electricity production in power plants and hydropower plants, import and export of electricity since Q1 2012 – Q4 2017

Period	Coal production in thousand tons	Gross electricity production in PP in GWh	Electricity production in hydro power plants GWh	Consumption GWh (including consumers 220-110kV)	Import of electricity GWh	Export of electricity GWh
Q1-2012	2,222.1	1,737.4	12.4	1,033.5	217.3	53.7
Q2-2012	1,920.6	1,338.0	19.4	830.3	111.2	167.1
Q3-2012	1,700.5	1,134.7	13.7	825.8	154.7	90.1
Q4-2012	2,185.2	1,637.1	19.5	922.0	141.8	161.9
Q1-2013	1,964.8	1,713.9	16.4	1,006.8	229.7	100.4
Q2-2013	1,970.0	1,674.2	44.3	857.7	2.1	393.1
Q3-2013	2,116.8	1,319.0	50.7	871.8	142.5	221.3
Q4-2013	2,167.9	1,541.2	25.3	969.4	147.5	142.1
Q1-2014	2,143.7	1,795.7	19.6	958.2	167.2	243.1
Q2-2014	1,638.9	1,306.3	56.5	884.4	111.2	161.6
Q3-2014	1,366.8	889.6	28.8	908.7	337.1	1.4
Q4-2014	2,054.7	1,332.5	46.5	1,020.6	259.7	68.8
Q1-2015	1,981.4	1,484.3	36.5	1,037.2	293.9	5.7
Q2-2015	1,984.1	1,465.3	60.2	932.2	98.8	209.7
Q3-2015	1,957.8	1,327.4	24.9	958.0	162.2	175.8
Q4-2015	2,317.8	1,701.7	20.1	1,044.5	129.4	161.3
Q1-2016	2,092.9	1,615.1	45.5	1,018.8	171.4	154.3
Q2-2016	2,007.9	1,657.8	86.9	822.7	24.9	492.3
Q3-2016	2,271.9	1,263.1	38.3	831.0	141.8	199.4
Q4-2016	2,428.1	1,712.8	63.8	922.8	120.7	218.2
Q1-2017	2,104.0	1,678.4	50.9	1,106.0	215.8	141.5
Q2-2017	1,952.4	1,599.1	75.4	943.3	78.5	459.7
Q3-2017	1,799.6	1,316.8	23.0	964.6	66.7	194.4
Q4-2017	1,718.8	1,131.6	30.9	1,094.0	380.9	90.0

2 Import and export of oil derivatives and coal

Tab 2a.³ Import of energy fuels (in thousand kg) from Q1 2012 – Q4 2017

Quarter	Anthracite, bituminous coal, other coal	Briquette, Lignite	Non-energy torfs	Coke, half coke, etc.	Gasoline, oil, various lubricants, kerosene, etc.	Gases and other gaseous hydrocarbons	Paraffin	Oil coke, oil resedue, etc.	Bitumen and natural asphalt	Mastic
Q1 2012	22,340.2	22,989.4	525.8	177.3	84,437.6	7,473.3	11.3	7,276.7	83.6	88.6
Q2 2012	11,277.5	10,737.3	411.0	43.8	98,414.4	8,268.7	16.7	26,533.4	26.1	713.6
Q3 2012	16,731.5	7,838.0	382.5	186.3	126,748.7	8,931.5	43.6	31,917.5	1.2	540.9
Q4 2012	18,186.7	11,203.7	249.1	214.0	109,731.7	9,338.8	6.8	27,803.1	301.4	354.5
Q1 2013	3,312.4	477.9	554.3	0.3	85,469.4	7,171.4	12.5	13,859.0	0.0	102.7
Q2 2013	7,963.0	25.9	522.1	9.1	106,395.9	12,157.5	25.5	35,568.8	310.2	582.0
Q3 2013	6,449.4	1,203.9	287.1	48.5	123,664.9	7,453.4	14.8	43,019.2	255.0	333.5
Q4 2013	2,222.1	1,029.8	206.8	39.1	98,749.7	8,681.2	7.0	27,162.6	0.1	360.5
Q1 2014	1,843.6	51.4	730.8	14.5	85,154.5	6,618.4	13.5	22,276.2	47.6	178.0
Q2 2014	2,496.0	0.0	703.4	19.6	102,998.8	9,134.4	9.6	35,381.7	4,339.3	319.1
Q3 2014	5,741.5	322.2	189.6	10.0	128,802.4	9,354.1	9.5	40,687.3	2,346.6	498.4
Q4 2014	4,737.5	788.2	471.2	0.0	118,378.8	7,519.7	8.2	40,843.7	5,695.6	230.3
Q1 2015	1,694.0	124.4	556.6	0.0	94,631.9	8,013.9	25.1	26,456.3	32.2	174.8
Q2 2015	3,204.7	155.5	1,237.3	0.0	116,734.7	8,439.1	14.3	43,417.2	0.4	765.7
Q3 2015	2,399.6	746.9	404.6	0.6	148,177.3	9,800.0	1.6	45,505.7	0.3	744.1
Q4 2015	4,952.1	1,058.4	923.2	29.8	133,478.2	9,237.5	29.6	58,056.6	0.1	619.6
Q1 2016	1,347.7	193.0	1,175.3	33.1	102,885.2	8,442.3	12.5	23,207.7	0.0	188.6
Q2 2016	21.9	0.3	1,190.3	61.7	126,998.6	10,073.9	21.8	26,936.3	0.3	551.1
Q3 2016	32.2	352.2	394.7	20.0	154,529.5	6,971.8	3.6	30,021.8	0.3	577.0
Q4 2016	450.3	1,340.9	1,494.2	35.6	141,103.3	9,622.0	0.5	41,181.2	0.1	517.1
Q1 2017	1,065.2	271.8	1,167.3	24.2	113,561.9	7,073.3	9.2	22,385.8	0.0	263.5
Q2 2017	769.2	0.0	1,080.5	48.9	141,520.6	9,056.7	22.3	40,549.0	0.6	421.9
Q3 2017	675.4	3,410.8	411.1	58.6	169,109.0	8,209.1	0.6	48,794.0	1.1	566.4
Q4 2017	40.6	5,004.5	912.9	64.1	142,782.5	8,394.9	0.5	56,536.4	0.5	214.7

³ Values less than 1000 kg are not presented in Table 2a Import of oil and oil derivatives and coal, or are zero.

Tab 2b.⁴ Export of energy fuels (in thousand kg) from Q1 2012 – Q4 2017

Quarter	Anthracite, bituminous coal, other coal	Briquette, Lignite	Non-energy torfs	Gasoline, oil, various lubricants, kerosene, etc.	Gases and other gaseous hydrocarbons	Paraffin	Oil coke, oil resedue, etc.	Bitumen and natural asphalt	Mastic
Q1 2012	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0
Q2 2012	0.0	0.0	0.0	1.6	0.0	0.0	161.8	235.2	142.8
Q3 2012	0.0	0.0	0.0	0.0	0.0	0.0	4,263.6	11,158.9	16.5
Q4 2012	0.0	22.4	0.0	0.0	0.0	0.0	129.1	15,183.8	44.6
Q1 2013	48.1	599.9	0.0	0.1	0.0	2.4	157.1	0.0	0.1
Q2 2013	71.2	6,715.2	0.0	1.3	0.1	0.0	144.3	707.7	3.7
Q3 2013	73.6	5,449.5	0.0	12.8	0.0	0.0	231.4	8,671.4	0.0
Q4 2013	0.0	904.1	0.0	0.0	0.5	0.0	0.0	13,495.1	0.0
Q1 2014	0.0	568.7	0.0	0.0	0.0	1.2	0.0	1,209.8	0.0
Q2 2014	162.5	4,436.6	0.0	0.3	0.0	0.0	0.0	2,412.9	0.0
Q3 2014	828.7	10,136.7	0.0	0.0	0.0	0.0	397.1	6,548.4	0.0
Q4 2014	0.0	8,458.1	0.0	0.0	0.0	2.8	1,623.7	12,467.6	2.3
Q1 2015	0.0	10,216.0	0.0	0.0	0.0	0.0	341.3	309.4	0.0
Q2 2015	0.0	14,549.6	0.0	12.2	0.0	0.0	2,222.4	7,456.8	0.0
Q3 2015	0.0	12,041.1	0.0	0.0	0.0	0.0	4,042.4	6,911.2	28.0
TM4 2015	0.1	7,936.2	0.0	0.0	0.0	0.0	1,394.0	0.0	0.0
Q1 2016	0.0	2,880.2	0.0	20.9	0.0	0.0	0.0	5,054.9	0.0
Q2 2016	0.0	3,390.3	0.0	0.0	0.0	0.0	292.0	30,371.2	0.0
Q3 2016	0.0	5,929.2	0.0	7.9	0.0	0.0	0.0	16,322.5	4.4
Q4 2015	0.0	6,048.4	0.0	21.3	0.0	0.0	1,476.6	1,313.3	5.8
Q1 2017	0.0	6,441.7	4.2	10.0	0.0	1.5	2,758.9	0.0	0.0
Q2 2017	1.0	3,408.8	0.0	24.4	0.0	0.0	1,584.5	13,522.7	0.1
Q3 2017	0.0	1,958.4	0.0	20.0	0.0	0.0	1,385.2	15,474.7	0.0
Q4 2017	0.0	2,450.8	0.0	28.0	0.0	0.0	3,254.0	2,474.9	0.0

⁴ Values less than 1000 kg are not presented in Table 2b or are zero.

3 Final consumers (the last)

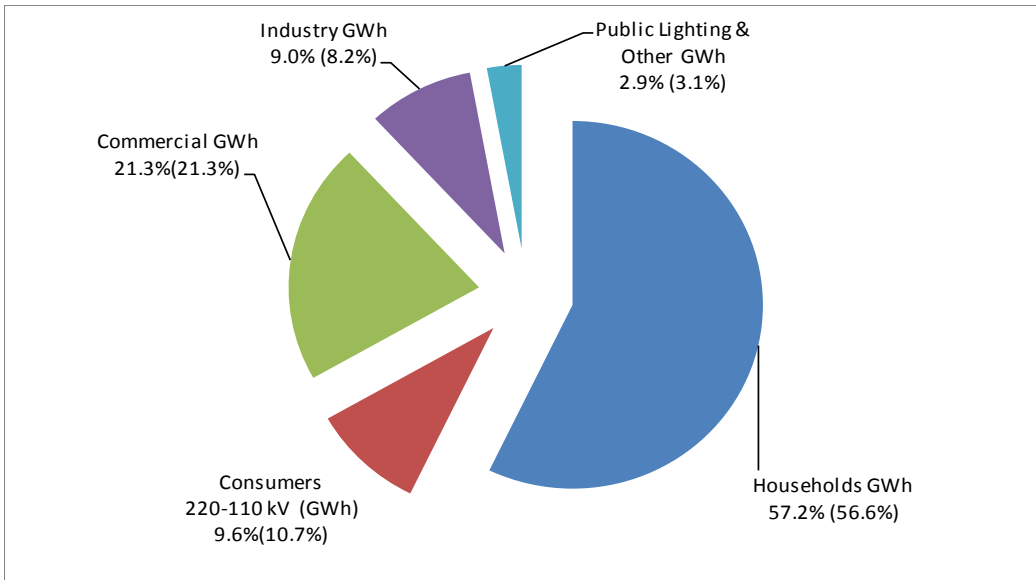
Tab 3a. Last or final consumers distributed in five categories from Q1 2012 – Q4 2017

Quarter	Households GWh	Consumers 220-110 kV (GWh)	Commercial GWh	Industry GWh	Public Lighting & Other GWh
Q1-2012	616.8	139.6	179.7	60.8	36.5
Q2-2012	482.1	101.7	157.7	58.6	30.2
Q3-2012	455.9	111.1	168.5	58.8	31.5
Q4-2012	529.1	120.7	171.0	62.8	38.4
Q1-2013	607.9	111.6	187.3	61.2	38.8
Q2-2013	483.5	124.8	159.4	56.2	33.9
Q3-2013	480.8	125.9	172.7	58.2	34.2
Q4-2013	557.9	125.0	183.2	63.9	39.5
Q1-2014	556.7	121.6	184.3	55.8	39.7
Q2-2014	485.4	141.6	171.1	54.7	31.7
Q3-2014	468.5	178.8	170.1	58.1	25.5
Q4-2014	552.1	180.9	192.1	61.1	34.4
Q1-2015	576.0	167.4	199.0	59.1	36.0
Q2-2015	491.7	170.1	182.5	57.5	30.3
Q3-2015	481.0	178.5	199.8	69.3	29.2
Q4-2015	565.0	155.7	211.0	76.8	36.0
Q1-2016	589.2	120.6	211.0	73.1	35.0
Q2-2016	504.4	35.2	188.4	71.0	31.7
Q3-2016	498.1	33.5	204.6	75.5	27.4
Q4-2016	617.8	117.1	231.9	90.0	34.3
Q1-2017	634.3	118.0	226.8	85.2	32.6
Q2-2017	511.8	124.9	192.6	82.9	26.7
Q3-2017	497.1	126.7	219.5	89.5	25.9
Q4-2017	625.6	105.3	232.9	98.0	32.2

Tab 3b. Structure of electricity distribution according to final consumption Q1 2012 – Q4 2017

Quarter	Households	Consumers 220-110 kV	Commercial	Industry	Public Lighting & Other
Q1-2012	59,7	13,5	17,4	5,9	3,5
Q2-2012	58,1	12,2	19,0	7,1	3,6
Q3-2012	55,2	13,5	20,4	7,1	3,8
Q4-2012	57,4	13,1	18,5	6,8	4,2
Q1-2013	60,4	11,1	18,6	6,1	3,9
Q2-2013	56,4	14,5	18,6	6,5	3,9
Q3-2013	55,2	14,4	19,8	6,7	3,9
Q4-2013	57,6	12,9	18,9	6,6	4,1
Q1-2014	58,1	12,7	19,2	5,8	4,1
Q2-2014	54,9	16,0	19,3	6,2	3,6
Q3-2014	52,0	19,8	18,9	6,4	2,8
Q4-2014	54,1	17,7	18,8	6,0	3,4
Q1-2015	55,5	16,1	19,2	5,7	3,5
Q2-2015	52,7	18,2	19,6	6,2	3,2
Q3-2015	50,2	18,6	20,9	7,2	3,1
Q4-2015	54,1	14,9	20,2	7,4	3,5
Q1-2016	57,3	11,7	20,5	7,1	3,4
Q2-2016	60,7	4,2	22,7	8,6	3,8
Q3-2016	59,4	4,0	24,4	9,0	3,3
Q4-2016	56,6	10,7	21,3	8,2	3,1
Q1-2017	57,8	10,8	20,7	7,8	3,0
Q2-2017	54,5	13,3	20,5	8,8	2,8
Q3-2017	51,9	13,2	22,9	9,3	2,7
Q4-2017	57,2	9,6	21,3	9,0	2,9

**Graph 1. Structure and distribution of electricity according to final consumers
Q4 2017 (Q4 2016)**



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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