



Republika e Kosovës/Republika Kosova/Republic of Kosovo
Qeveria - Vlada - Government
Zyra e Kryeministrit -Ured Premijera -Office of the Prime Minister
*Agjencia e Statistikave të Kosovës - Agencija za Statistiku Kosova -
Kosovo Agency of Statistics*

Series 2: Agriculture and Environment Statistics

Water Statistics 2018-2019





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ask

AGJENCIA E STATISTIKAVE TË KOSOVËS
AGENCIJA ZA STATISTIKE KOSOVA
KOSOVO AGENCY OF STATISTICS

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I n t r o d u c t i o n

This is the third publication of the Water Statistics published by the Kosovo Agency of Statistics. This publication aims to provide comprehensive statistical information on water resources in Kosovo. Modestly, the publication aims to contribute to the creation of sustainable information on the status of waters in Kosovo.

The publication is based on the Eurostat Questionnaire (Joint Questionnaire/Inland Waterways/JQIW).

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The interpretations expressed in this publication are entirely of the authors and should not be attributed, in any way, to KAS or any other institution.

Suggestions, proposals and remarks about this publication are welcome and help us to be more effective towards users.

March, 2020

Chief Executive Officer, KAS
Isa Krasniqi

Abbreviations

KAS	Kosovo Agency of Statistics
EU	European Union
NIPH	National Institute for Public Health
KEDS	Kosovo Energy Distribution Services
MAFRD	Ministry of Agriculture, Forestry and Rural Development
MESP	Ministry of Environment and Spatial Planning
WSRA	Water Services Regulatory Authority
EUROSTAT	Statistical Office of the European Union
REKOS 2011	Population and Housing Census 2011

Symbols

-	Zero
:	Data not available
.	Not applicable
0	The data is less than half the unit used
ha	Hectares
kg	Kilogram
$\mu\text{g m}^3$	Microgram m^3
t	Tonnes
%	Percentage
m^3	Cube meter
km^2	Kilometer
m^2	Square meter

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1. General Information about Kosovo

The territory of Kosovo¹ is 10905.25 km². It is located in the south-eastern part of Europe, in the border with Albania in the south-west, with Montenegro in the north-west, Serbia in the north-east and in south with Macedonia. Climate of Kosovo is continental with warm summers and cold winters. Kosovo is divided into 38 municipalities. The capital of Kosovo is Prishtina. Kosovo has a central geographic position on the Balkan Peninsula and extends between 41°51' and 43°16' and within the geographic length 19° 59' and 21°47'. The main local factors influencing the Kosovo climate are its relief, waters, soil and plants. All forms of atmospheric rainfall are present in Kosovo. The most important precipitation is in the form of rain in the valleys and precipitation in the form of snow in the mountains. Average indoor temperature fluctuates from +30 °C in summer to -10 °C in winter.

Table 1: Air temperatures in Prishtina, 2009 – 2019, °C

Month	2009		2010		2011		2012		2013		2014	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
January	3,3	-3.8	4,4	2,5	4,3	-4.1	2,3	-5.2	5,3	-1.4	7,9	0,2
February	5,5	-2.3	7,2	1,1	4,0	-4.1	0.0.	-7.9	7,8	1	12,7	1,6
March	10,1	0,6	11,8	1,3	11,1	1.0	13,6	1,1	11,7	1,4	14,6	2,5
April	18,8	6,4	16,7	4,1	17,1	5.0	16,8	4,9	19	6	15,7	6,2
May	23,5	9,7	21,4	9,8	20,8	9.0	20,7	9,4	22,8	11	20,5	8,8
June	24,3	12,7	25,3	12,9	25,4	12,8	28,5	13,7	25	13	24,6	12,5
July	28,2	14,3	28.0	15.0	28,5	14,5	31,7	16,6	28	13,7	27,3	14,6
August	28,6	14,8	30,4	15.0	30,4	14.0	31,8	15	30,6	15,2	28,9	14,8
September	24,1	11,2	23,4	10.0	28,1	12,9	27,6	12,1	23,4	9,8	22,2	11,5
October	16,5	6,1	14,7	5,5	16,5	3,6	21,6	0,5	20,1	6,2	17,1	6,6
November	13,6	2,4	15,8	5,1	10,5	-2,7	14,1	4,7	13	4,1	12,2	4,3
December	7,8	0,7	6,7	-1.5	5,8	-1,7	-3.0	-3.0	5,2	-3.9	6,3	-0,4

Data source: Hydrometeorology Institute of Kosovo, 2020

¹ Burimi: Agjencioni Kadastral i Kosovës

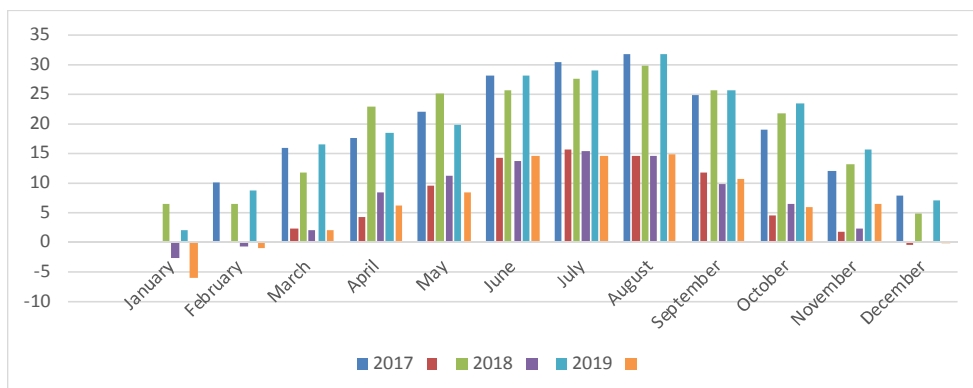
Table 1: Air temperatures in Prishtina, 2009 – 2017, °C (Continued)

Month	2015		2016		2017		2018		2019	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
January	4,7	-3,9	5,1	-4,9	-0,4	-9,3	6,4	-2,7	1,9	-6,0
February	7,9	-2,1	12,1	4,1	10	-0,2	6,3	-0,7	8,5	-1,1
March	9,2	0,6	10,8	2,2	15,9	2,2	11,8	1,9	16,3	2,0
April	15,7	6,2	19,5	7,3	17,4	4,3	22,8	8,4	18,3	6,0
May	:	:	18,8	8,4	22,1	9,6	24,9	11,1	19,7	8,3
June	26,2	16,8	27,5	14,1	28,1	14,3	25,6	13,7	28,2	14,5
July	31,3	17,2	29,4	14,8	30,3	15,6	27,5	15,2	29,0	14,5
August	31,5	15,2	28,3	14,5	31,7	14,4	29,8	14,6	31,6	14,7
September	27,3	13,2	23,9	10,3	24,8	11,7	25,7	9,7	25,7	10,7
October	18,4	7,3	16,3	7,1	19	4,6	21,6	6,4	23,4	5,8
November	16,1	1,0	10,6	2,4	11,9	1,6	13,2	2,2	15,6	6,3
December	7,8	-0,2	6,2	-6,1	7,8	-0,4	4,8	-3,0	6,9	-0,3

Data source: Hydrometeorology Institute of Kosovo, 2020

Table 1. shows that in 2019 the maximum temperature in August was 31.7° 6°C, while the minimum temperature was in January – 6.0 °C.

Graph 1: Maximum and minimum temperatures in Prishtina, 2017-2019



Data source: Hydrometeorology Institute of Kosovo, 2020

Table 2: Weather in Prishtina, 2003 - 2019. Number of days

Month	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
	Rainy and snow days									
January	15	21	14	12	10	13	16	17	8	16
February	8	16	17	16	12	6	14	19	10	14
March	10	16	19	15	8	13	17	17	8	4
April	20	21	13	18	9	12	11	17	10	17
May	13	18	15	10	18	9	10	15	9	12
June	11	14	11	13	8	11	13	7	17	5
July	8	8	14	8	3	10	7	7	9	5
August	3	6	14	13	8	5	7	5	7	1
September	8	10	12	9	11	13	11	9	3	7
October	15	10	6	7	18	5	14	17	5	7
November	16	16	11	6	19	8	11	15	7	8
December	20	16	21	8	13	19	18	20	3	17

Data source: Hydrometeorology Institute of Kosovo, 2020

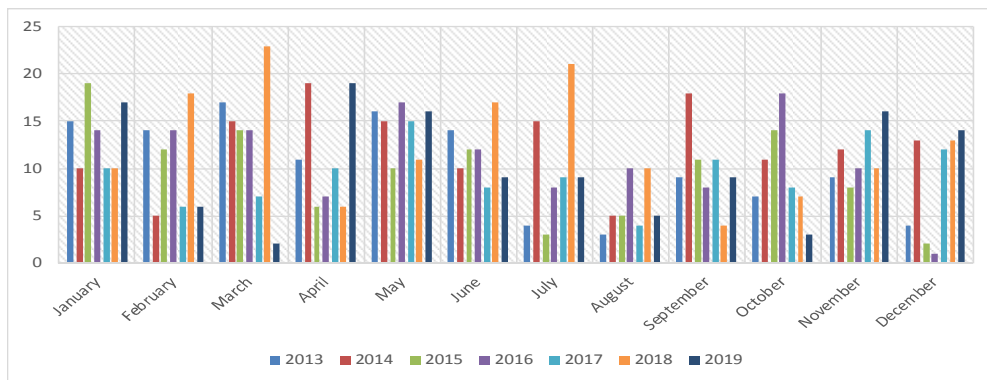
Table 2: Weather in Prishtina, 2003 - 2019. Number of days Continued)

Month	2013	2014	2015	2016	2017	2018	2019
	Rainy and snow days						
January	15	10	19	14	10	10	17
February	14	5	12	14	6	18	6
March	17	15	14	14	7	23	2
April	11	19	6	7	10	6	19
May	16	15	10	17	15	11	16
June	14	10	12	12	8	17	9
July	4	15	3	8	9	21	9
August	3	5	5	10	4	10	5
September	9	18	11	8	11	4	9
October	7	11	14	18	8	7	3
November	9	12	8	10	14	10	16
December	4	13	2	1	12	13	14

Data source: Hydrometeorology Institute of Kosovo, 2020

The following Table 2 shows the total number of days with precipitation in Prishtina by years. In April 2019 the number of days with precipitation was 19 days, and in March was 2 days.

Graph 2: Days with precipitation in Prishtina, 2013-2019



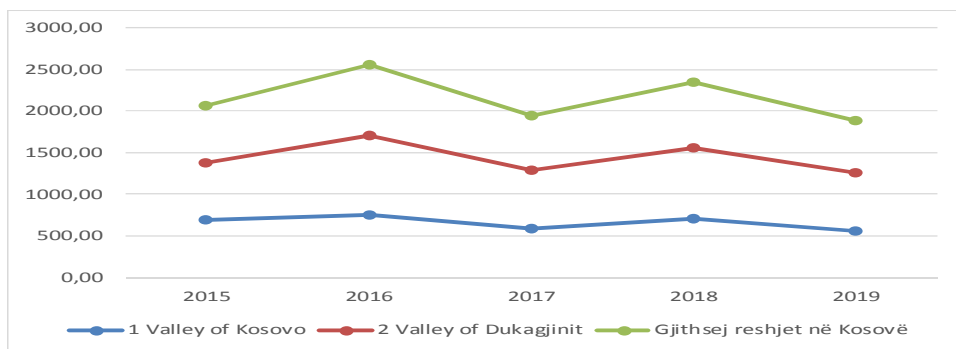
Data source: Hydrometeorology Institute of Kosovo, 2020

Table 3: Climate areas and average annual precipitation

No.	Climate area	2015	2016	2017	2018	2019
1	Valley of Kosovo	696,70	754,200	591,90	711,20	561,90
2	Valley of Dukagjinit	683,90	948,700	701,10	853,00	696,90
Total rainfall in Kosovo		690,30	851,45	646,50	782,10	629,40

Data source: Hydrometeorology Institute of Kosovo, 2020

Graph 3: Average precipitation in Kosovo, mm (l/m²), 2015-2019



Data source: Hydrometeorology Institute of Kosovo, 2020

2. Economic and social indicators

Resident population¹ in Kosovo in 2011 was 1 780 021 inhabitants. Whereas in 2018 the resident population in Kosovo was 1.795,666 inhabitants.

Table 4: Number of population in Kosovo, 1948-2018

Year	No. of population	Data source
1948	733.034	Census
1961	963.988	Census
1971	1.243.693	Census
1981	1.584.440	Census
1991	1.956.196	Estimation
2011 ¹⁾	1.780.021	Census
2012 ²⁾	1.815.606	Estimation
2013 ²⁾	1.820.631	Estimation
2014 ²⁾	1.804.944	Estimation
2015 ²⁾	1.771.604	Estimation
2016 ²⁾	1.783.531	Estimation
2017 ²⁾	1.798.506	Estimation
2018 ²⁾	1.795.666	Estimation

Data source: Kosovo Agency of Statistics, 2019

²⁽¹⁾The data of 2011 include the Population Census in 2011 and the estimate for the northern part of Kosovo

²⁾The data for 2012, 2013, 2014, 2015, 2016, 2017, 2018 are estimated data

7. Water supply in Kosovo

In 2018, about 86.31% of Kosovo's population was supplied with water through a public system managed by Regional Water Companies, while 13.69% of the population did not have access to public water supply (see tab. 9).

Table 5. Supply of households with drinking water in Kosovo (unit = 10⁶m³), 2010-2018

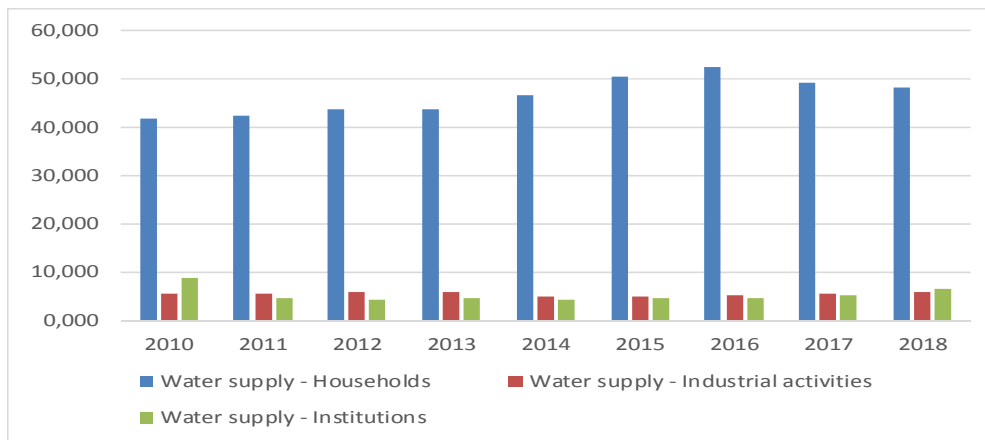
Year	2010	2011	2012	2013	2014	2015	2016	2017	2018
Unit	mil m ³ / vit								
Water supply - Households	41,880	42,520	43,720	43,580	46,720	50,366	52,333	49,194	48,300
Water supply - Industrial activities	5,540	5,530	5,850	5,730	4,850	4,746	5,079	5,608	5,761
Water supply - Institutions	8,660	4,630	4,330	4,440	4,270	4,631	4,662	5,134	6,554
Total	56,080	52,680	53,900	53,750	55,840	59,744	62,074	59,936	60,615

Data source: WSRA – Water Service Regulatory Authority, 2019

As indicated in table 5, the total supply of drinking water for consumers of households has changed from year to year as e.g. in 2017 it was 49,194 million m³ while in 2018 there was a slight decrease to 48,300 million m³.

³ Regional Water Companies in Kosovo are: RWC Prishtina (Prishtina), South Hydroregion (Prizren), Hidrodriini (Peja), Mitrovica (Mitrovica), Radoniqi (Gjakova), Hidromorava (Gjilan), Bifurcation (Ferizaj) and NPH Iber-Lepenc.

Graph 4: Drinking water supply, mil.m³/year, 2010-2018



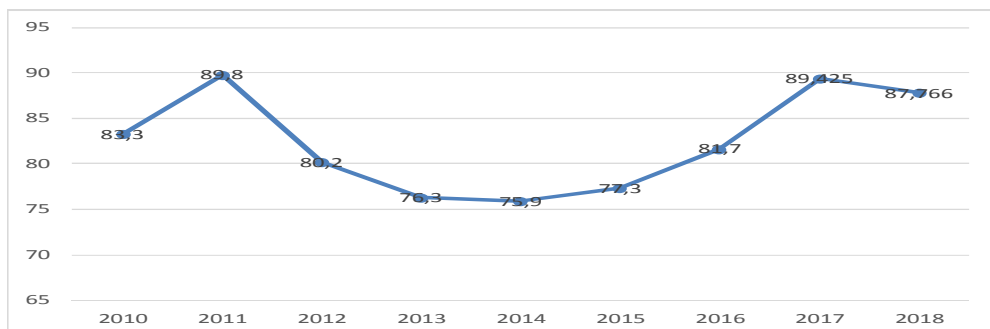
Data source: WSRA – Water Service Regulatory Authority, 2019

Table 6. Lost water mil. m³/ year, 2010-2018.

Year	2010	2011	2012	2013	2014	2015	2016	2017	2018
Lost water (leakage, loss, drip, pipe breakage)	83,3	89,8	80,2	76,3	75,9	77,3	81,7	89,425	87,766

Data source: WSRA – Water Service Regulatory Authority, 2019

Graph 5: Lost water million m³/year 2010-2018



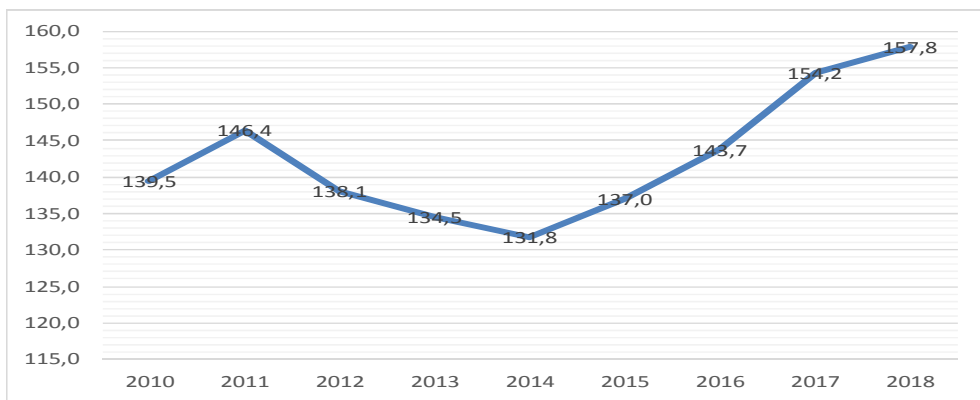
Data source: WSRA – Water Service Regulatory Authority, 2019

Table 7. Water production for the public sector Mill./m³ year, 2010-2018

Water production for the public sector	Year	2010	2011	2012	2013	2014	2015	2016	2017	2018
	Unit mil/m ³ year		139,5	146,4	138,1	134,5	131,8	137,0	143,7	154,2

Data source: WSRA – Water Service Regulatory Authority, 2019

Graph 6: Water production for public sector million m³/year 2010-2018



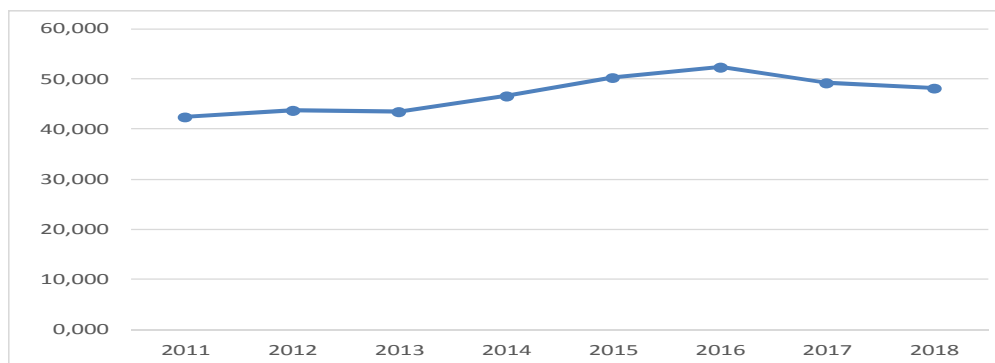
Data source: WSRA – Water Service Regulatory Authority, 2019

Table 8. The amount of water consumed by households connected to water companies,², 2011-2018

Year	Water consumed ¹⁾ mill m ³ / year	Households ³⁾	Number of residents in households ⁴⁾
2011 ²⁾	42,526	204,652 ²⁾	1,138,549 ²⁾
2012	43,725	222.760	1.300.918
2013	43,580	239.959	1.362.967
2014	46,720	253.517	1.424.766
2015	50,366	271.124	1.550.558
2016	52,333	290.518	1.597.849
2017	49,194	300.930	1.567.845
2018	48,300	316.276	1.549.752

Data source: Kosovo Agency of Statistics, 2019

Graph 7: Water consumed mil.m³/year, 2011-2018



Data source: Kosovo Agency of Statistics, 2019

4 (1) The water data consumed are from ARA from WSRA from 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018.

(2) Data for 2011 on households and the number of households in households are from the Population Census of 2011.

(3) Households are from WSRA, 2012, 2013, 2014, 2015, 2016, 2017, 2018.

(4) The data are calculated by taking the average size of households according to the Labour Force Survey for the year 2012, 2013, 2014, 2015, 2016, 2017, 2018.

Table 9. Percentage of households connected to the public water supply network, 2011-2018

Year	Population ²⁾	Number of residents connected to the public water supply ³⁾	Number of residents not connected to the public water supply ³⁾	Connected to the water supply %	No connected in the water supply %
2011 ¹⁾	1,780,021 ¹⁾	1,138,549 ¹⁾	641.472	63,96	36,20
2012	1.815.606	1.300.918	514.688	71,65	28,35
2013	1.820.631	1.362.967	457.664	74,86	25,14
2014	1.804.944	1.424.766	380.178	78,94	21,06
2015	1.771.604	1.550.558	221.046	87,52	12,48
2016	1.783.531	1.597.849	185.682	89,59	10,41
2017	1.798.506	1.567.845	230.661	87,17	12,83
2018	1.795.666	1.549.752	245.914	86,31	13,69

Data source: Kosovo Agency of Statistics, 2019

⁵ (1) Data for 2011 households are from the Population Register.

(2) Population data are assessed by the Kosovo Agency of Statistics in 2012, 2013, 2014, 2015, 2016, 2017, 2018

(3)

The number of residents connected to the public water supply has been calculated by taking the size average households by Workforce Survey for 2012,2013, 2014, 2015, 2016, 2017, 2018.

Table 10. The amount of water consumed per capita m³ by households³ connected in Water Companies by years 2011-2018

Year	Water consumed ¹⁾	Number of residents in households ³⁾	The amount of water consumed			
	mil m ³ /year		per resident m ³ / per year	per resident m ³ / per month	per resident m ³ / per day	per resident liters / per day
2011 ²⁾	42,53	1,138,549 ²⁾	37,35	3,11	0,10	103,75
2012	43,73	1.300.918	33,61	2,80	0,09	93,36
2013	43,58	1.362.967	31,97	2,66	0,09	88,82
2014	46,72	1.424.765	32,79	2,73	0,09	91,09
2015	50,37	1.550.558	32,48	2,71	0,09	90,23
2016	52,33	1.597.849	32,75	2,73	0,09	90,98
2017	49,194	1.567.845	31,38	2,62	0,09	87,22
2018	48,300	1.549.752	31,17	2,60	0,09	86,67

Data source: Kosovo Agency of Statistics, 2019

⁶ (1) Water consumed is obtained from WSRA from 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018

(2) Data for households are from the Population Census 2011.

(3) The number of residents in household is calculated by obtaining the average size of the household, according to the Labour Force Survey for the year 2012, 2013, 2014, 2015, 2016, 2017, 2018.

The calculation does not include households that are supplied with water from the water flow and wells.

8. Wastewater

In Kosovo so far the only plant for the treatment of urban wastewater is the plant in Skenderaj. Sewage discharge takes place directly in rivers and is one of the main surface water pollutants.

The following table provides data on the services provided for sewage for households.

The following table provides data on the services provided for sewage for households.

Table 11. Amount of wastewater spent m³, 2013-2018

Year	Households	Business and industrial customers	Institutional customers	Total
	Wastewater m ³			
2013	33.891.575	4.680.484	4.135.723	42.707.782
2014	30.973.369	4.323.907	3.074.408	38.371.684
2015	34.230.062	4.392.660	3.925.253	42.547.975
2016	35.400.797	4.874.424	7.024.251	44.299.472
2017	37.713.245	5.050.495	3.994.506	46.758.246
2018	35.025.024	5.013.557	4.314.811	44.353.392

Data source: WSRA – Water Service Regulatory Authority, 2019

Table 12. Amount of wastewater⁴ spent by households Mill.m³/ year

Year	The amount of wastewater consumed ¹⁾ mil/m ³	Households ¹⁾	Number of residents in household ²⁾
2013	33.891.575	176.827	1.004.377
2014	30.973.369	188.104	1.057.144
2015	34.230.062	206.366	1.178.350
2016	35.400.797	224.236	1.233.298
2017	37.713.245	238.926	1.244.804
2018	35.025.024	253.193	1.240.646

Data source: Kosovo Agency of Statistics, 2019

⁷ (1) The amount of wastewater is obtained from WSRA and households from 2013, 2014, 2015, 2016, 2017, 2018.

(2) The number of residents in households is calculated by obtaining the average size of households according to the Labor Force Survey for 2013, 2014, 2015, 2016, 2017, 2018.

Table 13. Amount of wastewater spent by households in percentage, 2013-2018

Year	Population ¹⁾	Number of residents in households connected to the sewage system ²⁾	Number of residents in households connected to the sewage system	Connected to the system %	Not connected to the system %
2013	1.820.631	1.004.377	816.254	55,17	44,83
2014	1.804.944	1.057.144	747.800	58,57	41,43
2015	1.771.604	1.178.350	593.254	66,51	33,49
2016	1.783.531	1.233.298	550.233	69,15	30,85
2017	1.798.506	1.244.804	553.702	69,21	30,79
2018	1.795.666	1.240.646	555.020	69,09	30,91

Data source: Kosovo Agency of Statistics, 2019

Table 14. Amount of wastewater spent⁵ by years per capita, 2013-2018

Year	The amount of wastewater consumed ¹⁾ mill/m ³	Number of residents in the household ²⁾	The amount of wastewater consumed %			
			per resident m ³ / per year	per resident m ³ / per month	per resident m ³ / per day	per resident litres / per day
2013	33.891.575	1.004.377	33,74	2,81	0,09	93,72
2014	30.973.369	1.057.144	29,30	2,44	0,08	81,39
2015	34.230.062	1.178.350	29,05	2,42	0,08	80,69
2016	35.400.797	1.233.298	28,70	2,39	0,08	79,72
2017	37.713.245	1.244.804	30,30	2,53	0,08	84,17
2018	35.025.024	1.240.646	28,23	2,35	0,08	78,42

Data source: Kosovo Agency of Statistics, 2019

⁸ (1) The data is obtained from WSRA FROM 2013, 2014, 2015, 2016.

(2) The number of residents in the household is calculated by obtaining the average size of households according to the Labour Force Survey 2013, 2014, 2015, 2016.

Calculations do not include households supplied with water from the water stream and wells.

9. Water spent on irrigation and livestock

The following table presents the data in the time series for irrigation in agriculture.

Table 15. Irrigation in agriculture 2005-2019, mill.m³/year

Year	2005	2006	2007	2008	2009	2010	2011	2012
Unit	mill m ³ / year							
Irrigation in agriculture by system	35,34	36,78	37,76	39,61	42,26	42,45	46,63	48,53
Irrigation in agriculture by wells	:	:	:	:	:	:	:	:
Total	35,34	36,78	37,76	39,61	42,26	42,45	46,63	48,53

Data source: MAFRD, 2020

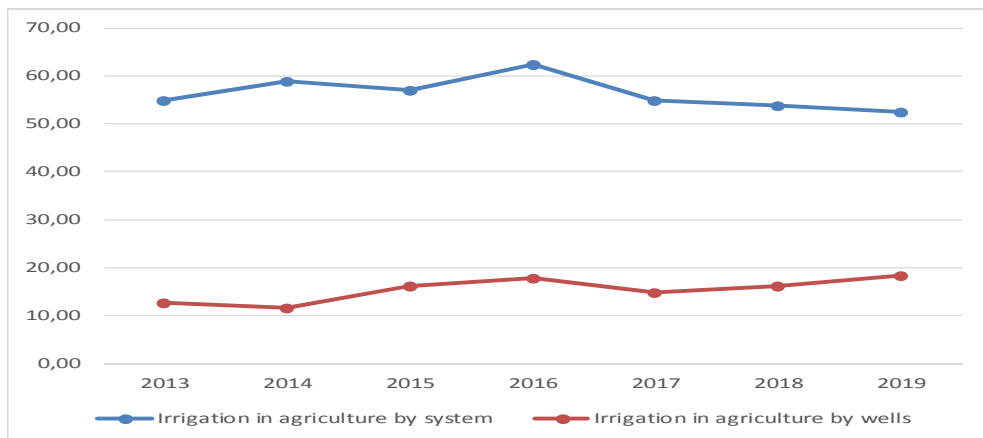
Table 15. Irrigation in agriculture 2005-2019, mill/m³/year (Continued)

Year	2013	2014	2015	2016	2017	2018	2019
Unit	mill m ³ / year						
Irrigation in agriculture by system	54,84	58,81	56,98	62,34	54,87	53,77	52,60
Irrigation in agriculture by wells	12,66	11,57	16,21	17,80	15,00	16,38	18,44
Total	67,50	70,38	73,19	80,14	69,87	70,15	71,04

Data source: MAFRD, 2020

As indicated in Table 15, the amount of water consumed by the irrigation system in agriculture has undergone significant changes from year to year. In 2005 it was 35.34 million m³/year, in 2016 it reached 62.34 million m³/year, in 2019 it was 52.60 million m³/year. While the amount of water used for irrigation in agriculture from wells in 2019 was 18.44 million m³ / year.

Graph 8 :Irrigation in agriculture 2013-2019, million m³/year



Data source: MAFRD, 2020

Table 16. Water consumption by livestock in 2014

Type of cattle	Expense factor (m ³ / per year)	Republic of Kosovo	
		Total	
		Number of animals 1000	Water used in 1000 m ³
Total			7,301
Milk cows	30,00	134	4032
Heifers, calves and other	16,00	127	2037
Equidade (horse, donkey, mules)	16,00	3	48
Pigs	13,00	34	444
Sows	13,00	:	:
Piglets	0,88	:	:
Sheep	2,50	183	459
Goats	2,50	28	71
Chicken (foe eggs)	0,10	1704	170
Young poultry, chickens for slaughter	0,04	988	40

Data source KAS, Agriculture Holdings Survey, 2015

Table 17. Water consumption by livestock, 2015

Type of cattle	Expense factor (m ³ / per year)	Republic of Kosovo	
		Total	
		Number of animals 1 000	Water used in 1000 m ³
Total			7,231
Milk cows	30,00	136	4074
Heifers, calves and other	16,00	123	1963
Equidade (horse, donkey, mules)	16,00	3	41
Pigs	13,00	15	190
Sows	13,00	13	169
Piglets	0,88	17	15
Sheep	2,50	194	484
Goats	2,50	30	76
Chicken (foe eggs)	0,10	1910	191
Young poultry, chickens for slaughter	0,04	666	27

Data source KAS, Agriculture Holdings Survey, 2016

Table 18. Water consumption by livestock⁶, 2016

Type of caattle	Expense factor (m ³ / per year)	Republic of Kosovo	
		Total	
		Number of animals 1000	Water used in 1000 m ³
Total			7,320
Milk cows	30,00	137	4103
Heifers, calves and other	16,00	128	2051
Equidade (horse, donkey, mules)	16,00	2	38
Pigs	13,00	16	203
Sows	13,00	11	149
Piglets	0,88	15	13
Sheep	2,50	184	461
Goats	2,50	27	68
Chicken (foe eggs)	0,10	2067	207
Young poultry, chickens for slaughter	0,04	673	27

Data source KAS, Agriculture Holdings Survey, 2017

⁹ For calculating the use of water by livestock, the following data is used: Number of animals obtained from regular surveys conducted at the Department of Agriculture in KAS. Estimator coefficient – the Swedish methodology "Water accounts - physical and monetary data connected to abstraction, use and discharge of water in Sweden" was used.

Table 19. Water consumption by livestock⁷, 2017

Type of cattle	Expense factor (m ³ / per year)	Republic of Kosovo	
		Total	
		Number of animals 1 000	Water used in 1000 m ³
Total			7,188
Milk cows	30	133	3989
Heifers, calves and other	16	127	2028
Equidade (horse, donkey, mules)	16	2	37
Pigs	13	17	224
Sows	13	10	134
Piglets	0,88	13	12
Sheep	2,5	182	456
Goats	2,5	28	71
Chicken (foe eggs)	0,1	2082	208
Young poultry, chickens for slaughter	0,04	728	29

Data source KAS, Agriculture Holdings Survey, 2018

¹⁰ For calculating the use of water by livestock, the following data is used: Number of animals obtained from regular surveys conducted at the Department of Agriculture in KAS. Estimator coefficient – the Swedish methodology "Water accounts - physical and monetary data connected to abstraction, use and discharge of water in Sweden" was used.

Table 20. Water consumption by livestock⁸, 2018

Type of cattle	Expense factor (m ³ / per year)	Republic of Kosovo	
		Total	
		Number of animals 1 000	Water used in 1000 m ³
Total			7,148
Milk cows	30	132	3974
Heifers, calves and other	16	126	2019
Equidade (horse, donkey, mules)	16	2	31
Pigs	13	19	249
Sows	13	10	132
Piglets	0,88	10	9
Sheep	2,5	181	453
Goats	2,5	29	72
Chicken (foe eggs)	0,1	1758	176
Young poultry, chickens for slaughter	0,04	810	32

Data source KAS, Agriculture Holdings Survey, 2019

¹¹ For calculating the use of water by livestock, the following data is used: Number of animals obtained from regular surveys conducted at the Department of Agriculture in KAS. Estimator coefficient - the Swedish methodology "Water accounts - physical and monetary data connected to abstraction, use and discharge of water in Sweden" was used.

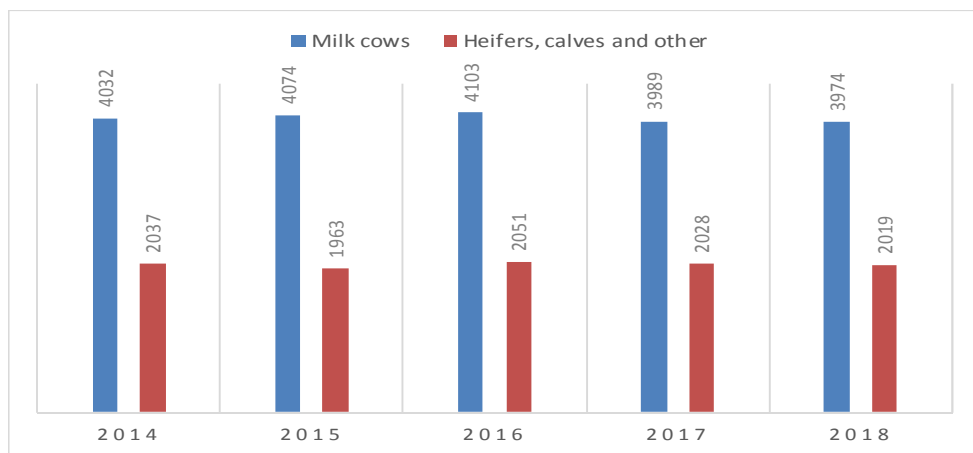
Table 21. Water consumption by livestock⁹, 2014 – 2018

Year	2014	2015	2016	2017	2018
Total of used water in 1000 m ³	7,301	7,231	7,320	7,188	7,148
Milk cows	4032	4074	4103	3989	3974
Heifers, calves and other	2037	1963	2051	2028	2019
Equidade (horse, donkey, mules)	48	41	38	37	31
Pigs	444	190	203	224	249
Sows	:	169	149	134	132
Piglets	:	15	13	12	9
Sheep	459	484	461	456	453
Goats	71	76	68	71	72
Chicken (foe eggs)	170	191	207	208	176
Young poultry, chickens for slaughter	40	28	27	29	32

Data source KAS, Agriculture Holdings Survey, 2019

¹² For calculating the use of water by livestock, the following data is used: Number of animals obtained from regular surveys conducted at the Department of Agriculture in KAS. Estimator coefficient - the Swedish methodology "Water accounts - physical and monetary data connected to abstraction, use and discharge of water in Sweden" was used.

Graph 9: Water consumption by the livestock sector (dairy cows, heifers, calves, etc.), 2014-2018.



Data source KAS, Agriculture Holdings Survey, 2019

10. Water used in industrial processes

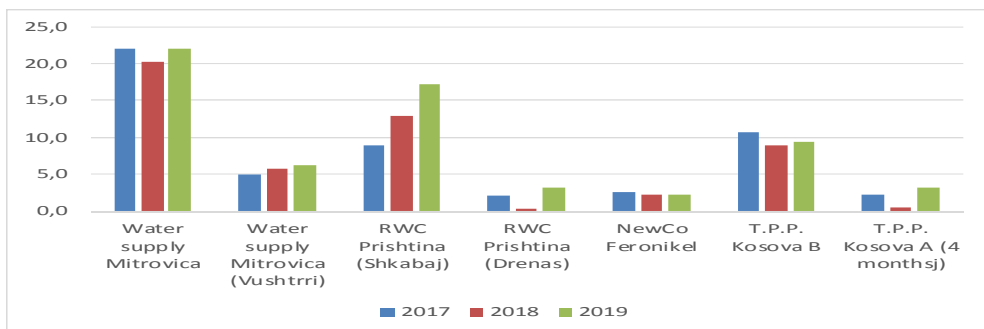
Table 22. Water supply from "Ibër Lepenci" (unit=10⁶m³), 2010-2019

Year	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Unit	mill m ³ / year									
Water supply Mitrovica	15,8	15,8	15,8	15,8	15,8	21,5	22,1	22,1	20,2	22,1
Water supply Mitrovica (Vushtrri)	:	:	:	:	:	:	:	5,0	5,7	6,3
RWC Prishtina (Shkabaj)	:	:	::	:	:	:	:	9,0	13,0	17,2
RWC Prishtina (Drenas)	2,0	2,0	2,0	2,0	2,0	2,0	2	2,0	0,4	3,2
NewCo Feronikel	3,1	3,1	3,1	3,1	3,1	3,1	2	2,5	2,3	2,3
T.P.P. Kosova B	12	12	12	12	11	11	11	10,7	8,9	9,4
T.P.P. Kosova A (4 monthsj)	4,4	4,4	4,4	4,4	4,4	4,4	:	2,3	0,5	3,2

Data source: Hydro economic Enterprise "Ibër Lepenci", 2020

The data in Table 14 indicate that the water supply from the "Iber Lepenc" Hydro economic enterprise has been approximately the same in 2010-2019 for all units.

Graph 10. Water supply from "Ibër Lepenci" by units in 2010-2019, mill. m³/year



Data source: Hydro economic Enterprise "Ibër Lepenci", 2020

Table 23. Water supply from "Ibër Lepenci" T.C. Kosova B and T.C. Kosova A (unit= 10^6m^3), 2010-2019

Year	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
T.P.P.Kosova B	11,9	11,9	11,9	11,9	11,8	11,6	11,0	10,7	8,9	9,4
T.P.P. Kosova A (4 monthsj)	4,40	4,40	4,40	4,40	4,40	4,40	:	2,3	0,5	3,2
Total	15,49	15,49	15,49	15,49	15,48	14,46	11,00	13,0	9,4	12,6

Data source: Hydro economic Enterprise "Ibër Lepenci", 2020

Table 24. Amount of water used for cooling, sewage discharged from T.C. Kosova B and T.C. Kosova A mill. m^3 / year

Year	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Njësia	mill m^3 / per year									
Amount of water used	15,831	15,109	15,217	15,646	13,789	17,388	16,604	15,485	15,120	16,323
Amount of water for cooling	13,794	12,758	12,936	13,658	12,091	14,799	13,037	12,251	14,159	15,250
Amount of wastewater discharged	6,516	6,234	6,994	7,565	6,161	7,590	5,485	3,582	3,596	3,844

Data source: Kosovo Energy Corporation, 2020

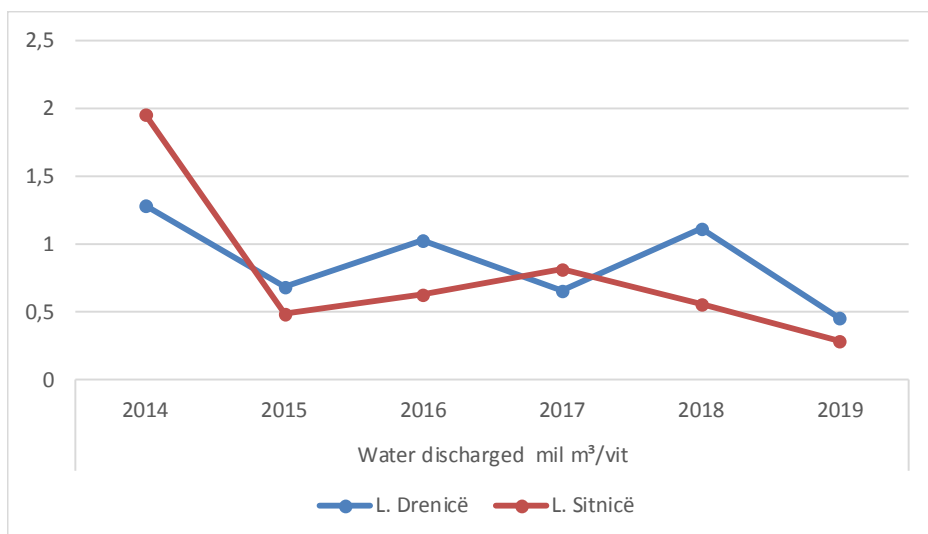
The data in table 24 indicate that the amount of water used during the years 2010-2019 by the Power Plants Kosova A and B has undergone changes, such as in 2018 this amount was 15,120 mill. m^3 / year, while in 2019 there are reached 16,323 million m^3 / year.

Table 25. Water discharged (unused) from Kosovo A and B Power Plants, mill.m³/year, 2014-2019

Vendi i shkarkimit	Sasia e ujit të shkarkuar mil m ³ /vit					
	2014	2015	2016	2017	2018	2019
L. Drenicë	1,285	0,683	1,027	0,657	1,122	0,459
L. Sitnicë	1,953	0,483	0,625	0,809	0,559	0,295
Total	3,238	1,166	1,652	1,466	1,681	0,753

Data source: Kosovo Energy Corporation, 2020

Graph 11: Water discharged (unused) from Kosovo A and B Power Plants. mill.m³/year, 2017-2019



11. Water treatment

Table 27. Water treatment, 2011-2019

Year	Water treatment	Primary silt	Secondary silt
	m ³		
2011	308 764	1624	2360
2012	805 498	3349	2670
2013	828 383	4972	6251
2014	342 898	1864	4186
2015	595 697	3160	4346
2016	487 534	3848	4730
2017	521 998	4721	5248
2018	761 012	5427	6104
2019	967629	6142	7280

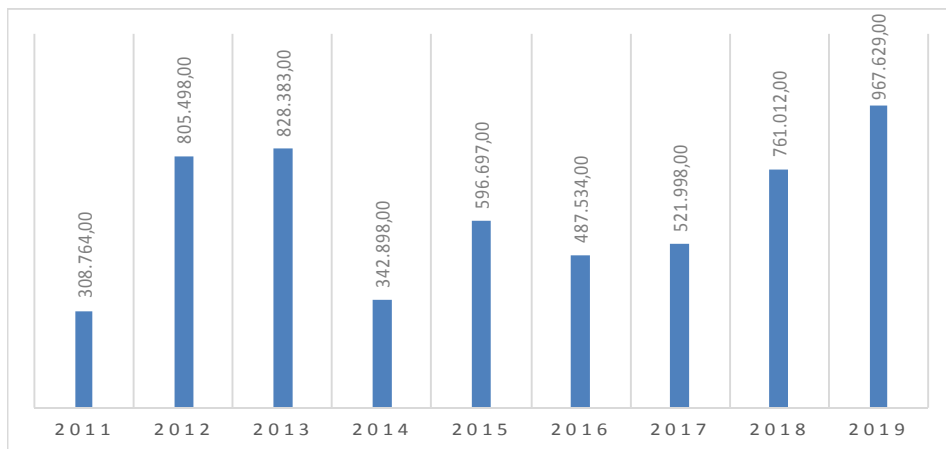
Data source: Plant in Skenderaj, 2020

The plant in Skenderaj started to work in the month of August 2011. This plant treats the waters per 10.000 inhabitants, Skenderaj town with the villages Prekaz i Ulët and Prekaz i Epërm. In 2014 it is observed that there was less amount of water treatment¹⁰, while the amount of water treated in 2019 was 9667,629 m³.

Graph 12: Water treatment in the plant in Senderaj, 2011-2019, m³

¹³ The reason for the large amount of water treatment in 2012 and 2013 was because the EU, during the reductions, has supplied the plant with oil therefore there was a larger amount of water treatment. The small amount of waters treated in 2014 was because there were electricity cuts from KEDS and in the following years apart from electricity cuts there were also electricity reductions.

Graph 12: Water treated at the plant in Skenderaj 2011-2019, m³



Data source: Plant in Skenderaj, 2020

Statistical Agency of Kosovo, a brief description

Kosovo Agency of Statistics (KAS) is a professional office operating since 1948. The KAS passed through some of the historic phases and it has been structured by the state rule of that time. KAS restarted its work on August 2, 1999, as an independent and professional office working in the frames of the Ministry of Public Administration . KAS is financed by the Kosovo Consolidated Budget and by donors for the various projects.

Statistical Agency of Kosovo acts according to the Law No. 04/L-036 which entered into force on 12.12.2011. A medium-term Master Plan is being developed for the statistical system of Kosovo compatible with the European Statistics.

KAS Mission is to fulfill the needs of the users with the reliable statistical data and with regular analyses in order to support and provide government departments with the proper information for decision-making process including other users as well.

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