

**PROFILE OF SHISHTAVEC
COMMUNE
(REPOBA-2001)**

REGION OF KUKES

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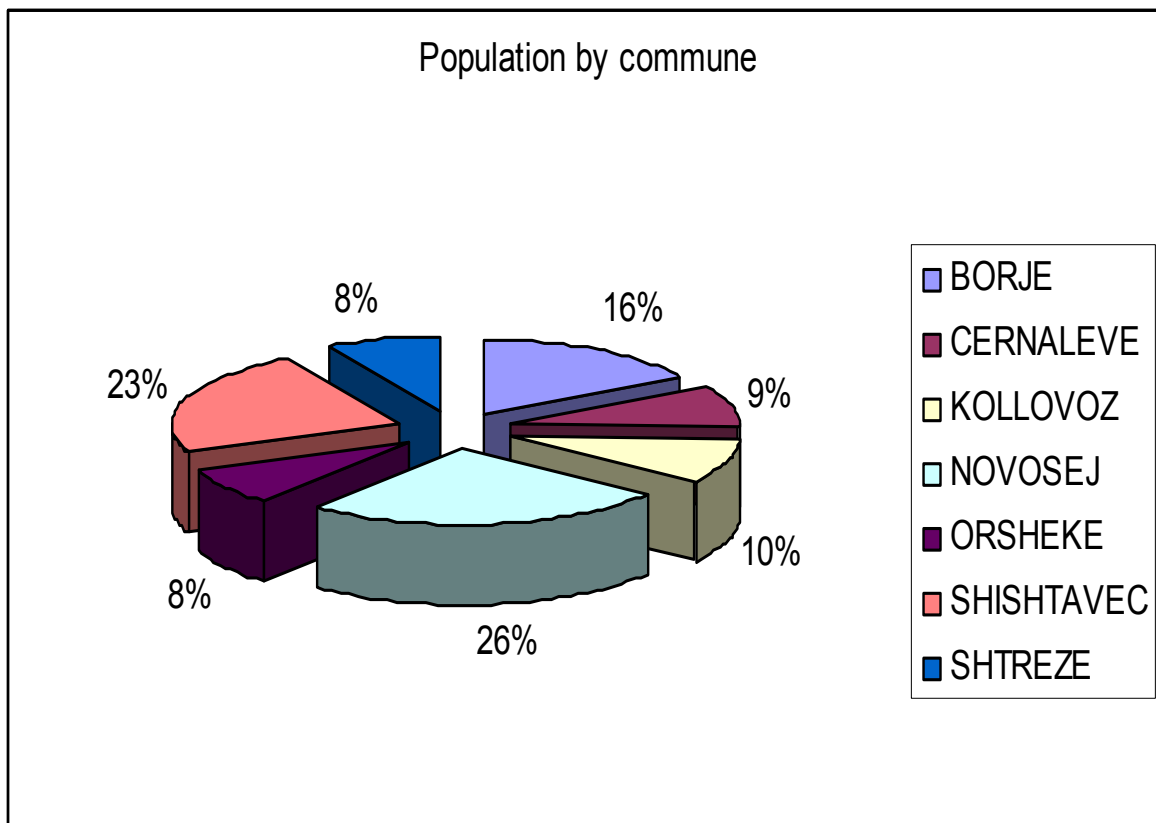
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1-DEMOGRAPHY OF SHISHTAVEC COMMUNE

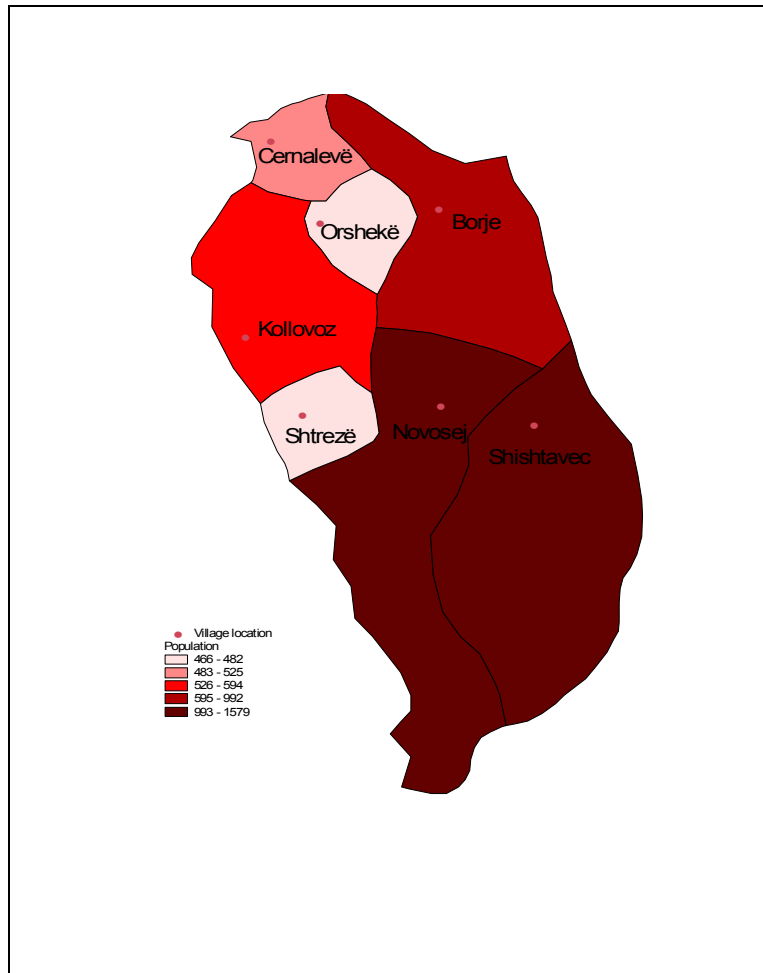
The commune of Shishtavec is composed of seven villages with a population of 6,026 inhabitants. Approximately half of the population (49% of total population) is located in two villages Novosej (26% of total population) and Shishtavec (23% of total population).

Table 1. Population by commune and by gender

Village	Population	Male Population	% Male	Female Population	% Female	Number of Families
BORJE	992	498	50.20%	494	49.80%	277
CERNALEVE	525	265	50.48%	260	49.52%	112
KOLLOVOZ	594	306	51.52%	288	48.48%	150
NOVOSEJ	1579	791	50.09%	788	49.91%	347
ORSHEKE	466	225	48.28%	241	51.72%	98
SHISHTAVEC	1388	685	49.35%	703	50.65%	301
SHTREZE	482	220	45.64%	262	54.36%	101
TOTAL	6026	2990	49.62%	3036	50.38%	1386



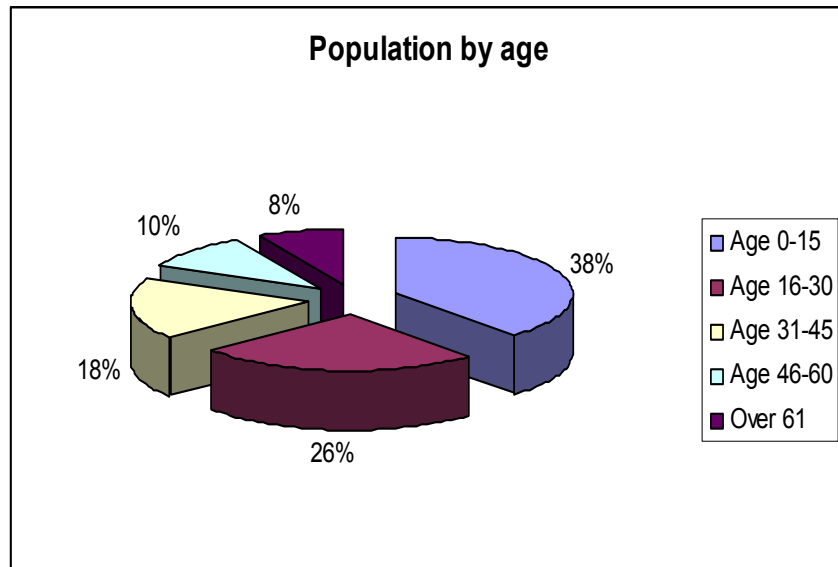
The better picture of the geographical distribution of the population is shown in this map below.



Based on these data, an important fact from the gender perspective is that male and female population is in equilibrium, except some differences. In the village of Shreze is a difference of 4.36 % in favor of female population, while in the rest of the villages the variance is less than 2% of population.

Table 2: Population by age

Village	Population	Age 0-15	%	Age 16-30	%	Age 31-45	%	Age 46-60	%	Over 61	%
BORJE	992	367	37.00%	273	27.52%	179	18.04%	91	9.17%	82	8.27%
CERNALEVE	525	205	39.05%	145	27.62%	83	15.81%	49	9.33%	43	8.19%
KOLLOVOZ	594	244	41.08%	168	28.28%	92	15.49%	55	9.26%	35	5.89%
NOVOSEJ	1579	546	34.58%	448	28.37%	253	16.02%	211	13.36%	121	7.66%
ORSHEKE	466	190	40.77%	114	24.46%	82	17.60%	47	10.09%	33	7.08%
SHISHTAVEC	1388	542	39.05%	315	22.69%	283	20.39%	133	9.58%	115	8.29%
SHTREZE	482	213	44.19%	100	20.75%	97	20.12%	40	8.30%	32	6.64%
TOTAL	6026	2307	38.28%	1563	25.94%	1069	17.74%	626	10.39%	461	7.65%



From the above graph of the population by age, it is clear that 18% of the population (31 to 45 years of age) is the most active part, which represents the young population that own even a certain experience. While 26% of the population with limited experience (16 to 30 years of age) is the younger labor force. Another important fact is that 38% of the population represents the youngest population (0 to 15 years of age) which may be considered as potential future human asset.

2-EMPLOYMENT AND UNEMPLOYMENT SITUATION IN SHISHTAVEC COMMUNE

The employment and unemployment situation may be used to identify the poverty situation indirectly in the commune level. The data profile shows the percentages of the population that are able to work.

Table 3: Economically Active Population

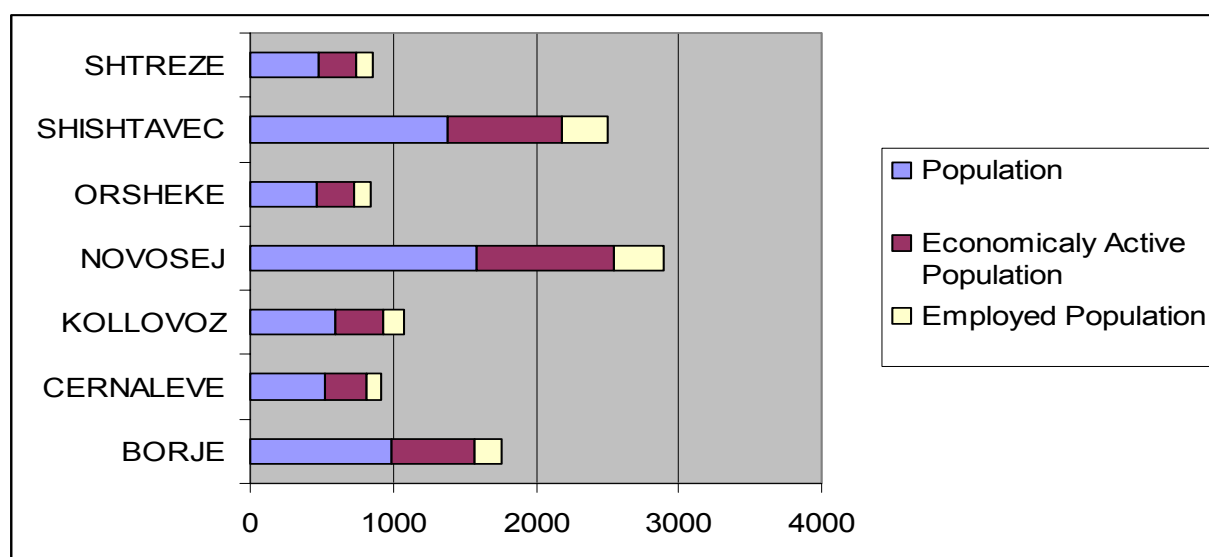
Village	Population	Economically Active Population	%	Male Population 15 to 65 years of age	%	Female Population 15 to 60 years of age	%
BORJE	992	580	58.47%	305	52.59%	275	47.41%
CERNALEVE	525	294	56.00%	152	51.70%	142	48.30%
KOLLOVOZ	594	333	56.06%	179	53.75%	154	46.25%
NOVOSEJ	1579	971	61.49%	495	50.98%	476	49.02%
ORSHEKE	466	256	54.94%	133	51.95%	123	48.05%
SHISHTAVEC	1388	787	56.70%	409	51.97%	378	48.03%
SHTREZE	482	260	53.94%	126	48.46%	134	51.54%

TOTAL	6026	3481	57.77%	1799	51.68%	1682	48.32%
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The following table and the graph show the share of employed population over the total one as well as the share of employed population over the one that is able to work:

Table 4: Employed and Economically active Population

Village	Population	Economically Active Population	Employed Population	% of the employed Population over Population	% of the employed Population over Active Population
BORJE	992	580	182	18.35%	31.38%
CERNALEVE	525	294	97	18.48%	32.99%
KOLLOVOZ	594	333	153	25.76%	45.95%
NOVOSEJ	1579	971	340	21.53%	35.02%
ORSHEKE	466	256	127	27.25%	49.61%
SHISHTAVEC	1388	787	333	23.99%	42.31%
SHTREZE	482	260	109	22.61%	41.92%
TOTAL	6026	3481	1341	22.25%	38.52%



The structure of the labor market forces of the commune at village level is given from the following table:

Table 5: Labor market structure

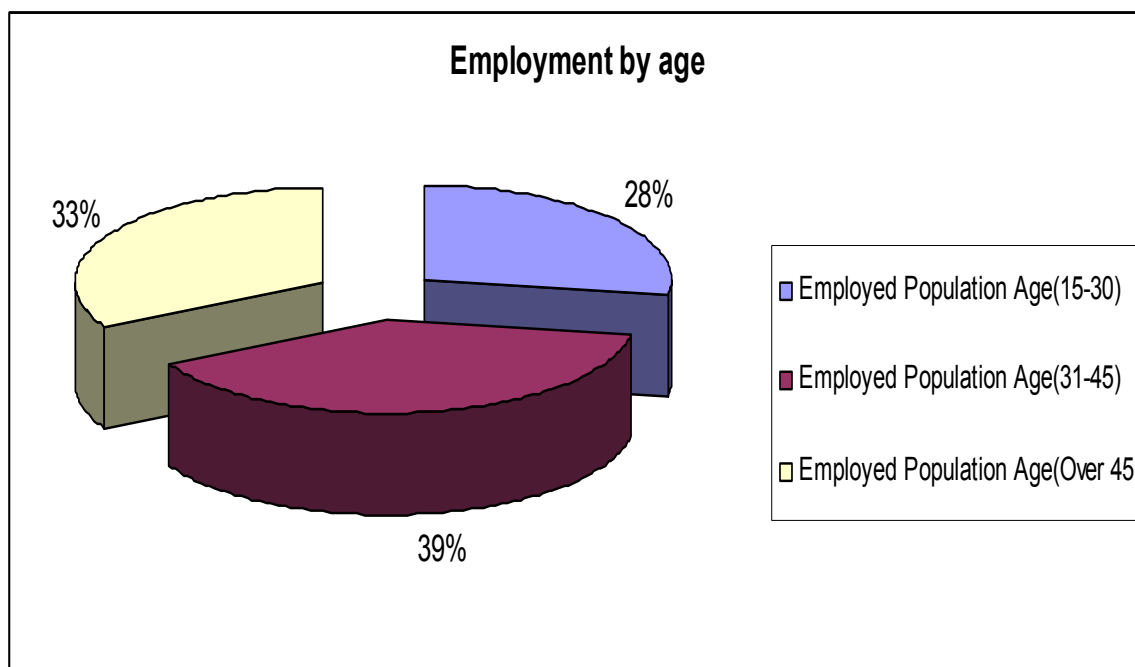
Village	Employed Population	Population unemployed but seeking new employment	Population unemployed but seeking first employment	Domestic Population	Students	Retired Population	Soldiers	Population unemployed but not looking for job	Inactive Population
BORJE	182	3	118	219	9	98	1	1	5
CERNALEVE	97	43	54	64	2	48	1	3	2
KOLLOVOZ	153	24	19	73	21	46	1	9	0
NOVOSEJ	340	27	176	208	17	142	0	74	13
ORSHEKE	127	42	34	37	3	29	0	8	0
SHISHTAVEC	333	106	48	83	18	141	0	3	3
SHTREZE	109	12	32	77	8	37	0	6	3

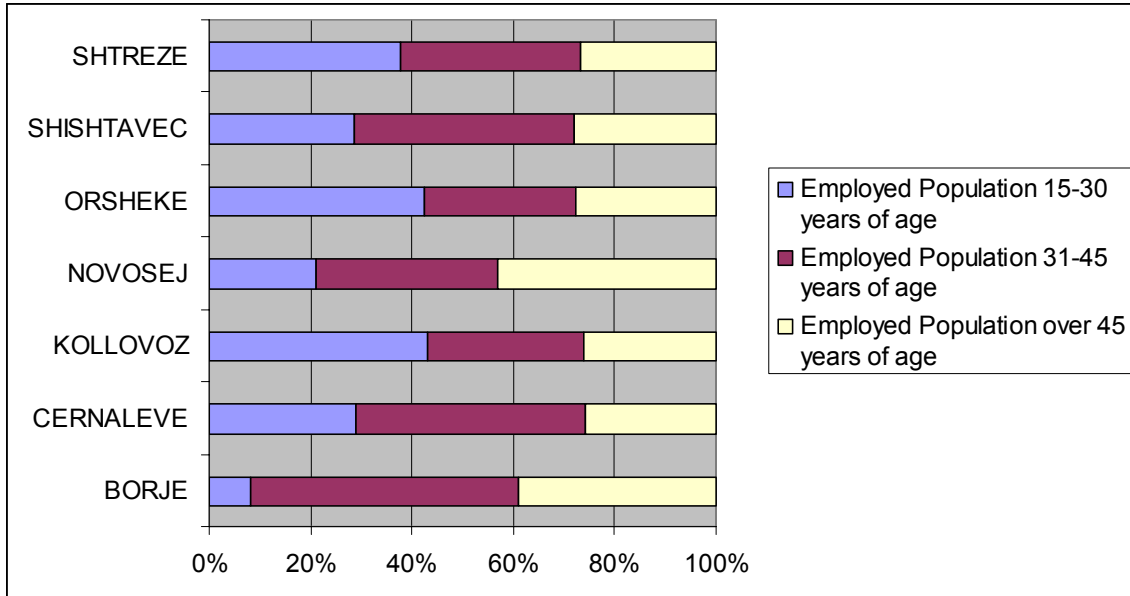
TOTAL	1341	257	481	761	78	541	3	104	26
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The following table and the graph show how the employment labor force is distributed at each age group. The result make clear that the part of the population from 31 to 45 years of age gives the main contribution (about 39% of the population) in the economic activities of the commune:

Table 6: Employed Population by Age

Village	Population	Employed Population	Employed Population 15-30 years of age	Employed Population 31-45 years of age	Employed Population over 45 years of age
BORJE	992	182	15	96	71
CERNALEVE	525	97	28	44	25
KOLLOVOZ	594	153	66	47	40
NOVOSEJ	1579	340	72	121	147
ORSHEKE	466	127	54	38	35
SHISHTAVEC	1388	333	95	145	93
SHTREZE	482	109	41	39	29
TOTAL	6026	1341	371	530	440

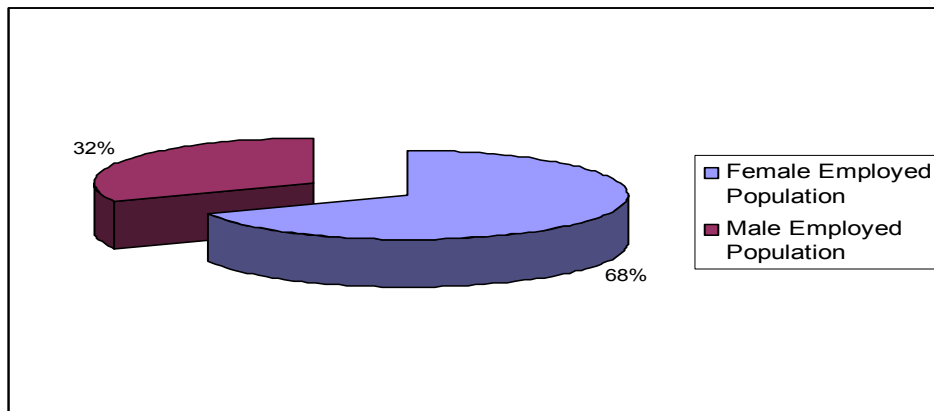




The table following by the graph shows the distribution of the employment labor force from the gender perspective. It is clear from these data that the male population gives 68.16 % of contribution in the economic activities of the commune.

Table 7: Employed Population by Gender

Village	Employed Population	Male Employed Population	%	Female Employed Population	%
BORJE	182	145	79.67%	37	20.33%
CERNALEVE	97	71	73.20%	26	26.80%
KOLLOVOZ	153	108	70.59%	45	29.41%
NOVOSEJ	340	229	67.35%	111	32.65%
ORSHEKE	127	83	65.35%	44	34.65%
SHISHTAVEC	333	201	60.36%	132	39.64%
SHTREZE	109	77	70.64%	32	29.36%
TOTAL	1341	914	68.16%	427	31.84%

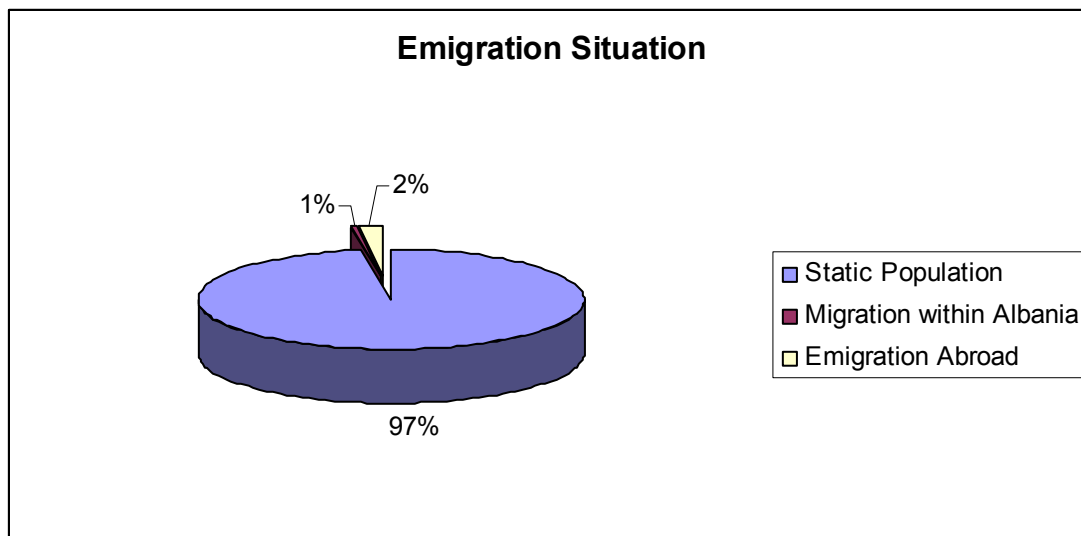


3- THE EMIGRATION SITUATION

Referring to data Shishtavec commune has a low number of people, who has migrated in Albania and abroad.

Table 8: The emigration situation data

VILLAGE	Static Population	Migration within Albania	Emigration Abroad
BORJE	979	10	1
CERNALEVE	504	6	14
KOLLOVOZ	585	0	0
NOVOSEJ	1532	2	8
ORSHEKE	455	7	4
SHISHTAVEC	1209	5	53
SHTREZE	473	0	9
TOTAL	5737	30	89



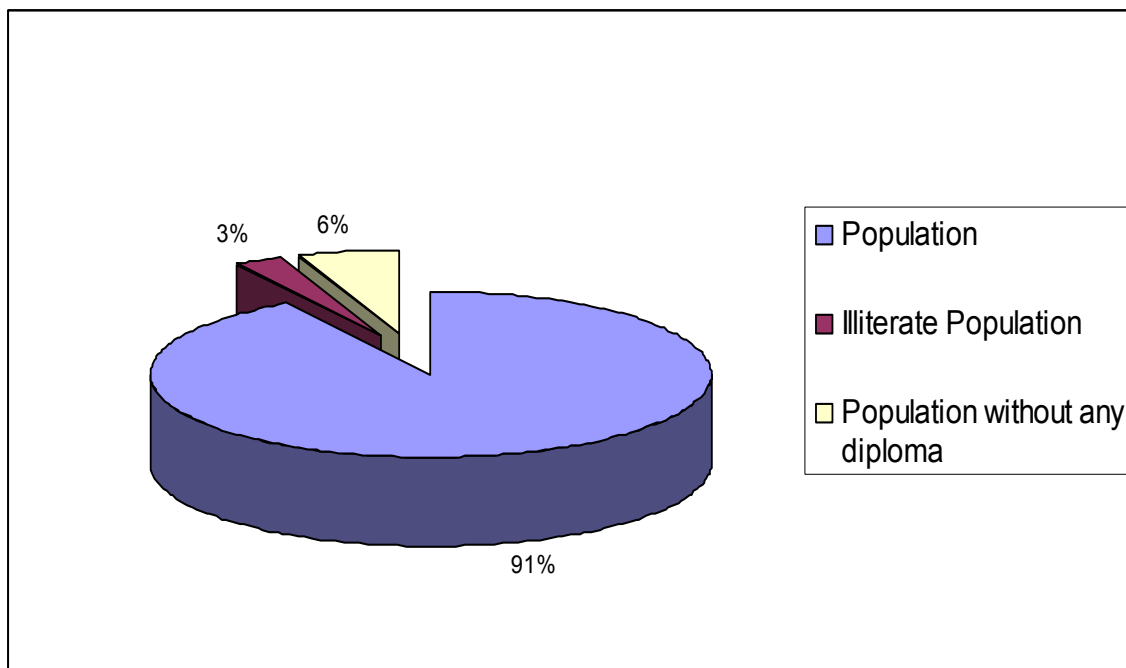
4- THE EDUCATION LEVEL OF SHISHTAVEC COMMUNE

Referring the following data there is the low percentage of the illiterate population and the population which do not own any diploma.

Table 9: The education level situation

Village	Population	Illiterate Population	%	Population without any diploma	%
BORJE	992	20	2.02%	21	2.12%
CERNALEVE	525	22	4.19%	11	2.10%
KOLLOVOZ	594	18	3.03%	32	5.39%
NOVOSEJ	1579	52	3.29%	132	8.36%

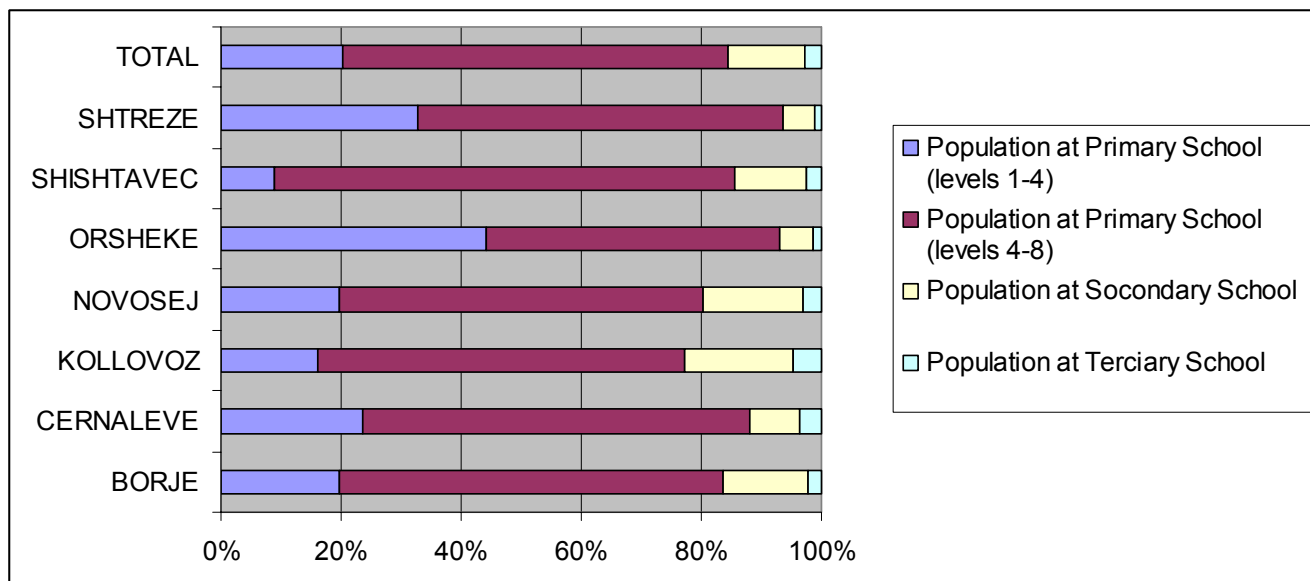
ORSHEKE	466	24	5.15%	25	5.36%
SHISHTAVEC	1388	17	1.22%	146	10.52%
SHTREZE	482	21	4.36%	21	4.36%
TOTAL	6026	174	2.89%	388	6.44%



The following table shows the data about the education level of the population.

Table 10: The education level situation

Village	Population	Population at Primary School (levels 1-4)	%	Population at Primary School (levels 4-8)	%	Population at Secondary School	%	Population at Tertiary School	%
BORJE	992	108	10.89%	350	35.28%	78	7.86%	12	1.21%
CERNALEVE	525	64	12.19%	175	33.33%	22	4.19%	10	1.90%
KOLLOVOZ	594	44	7.41%	166	27.95%	49	8.25%	13	2.19%
NOVOSEJ	1579	155	9.82%	474	30.02%	132	8.36%	23	1.46%
ORSHEKE	466	94	20.17%	104	22.32%	12	2.58%	3	0.64%
SHISHTAVEC	1388	56	4.03%	479	34.51%	75	5.40%	15	1.08%
SHTREZE	482	67	13.90%	125	25.93%	11	2.28%	2	0.41%
TOTAL	6026	588	9.76%	1873	31.08%	379	6.29%	78	1.29%

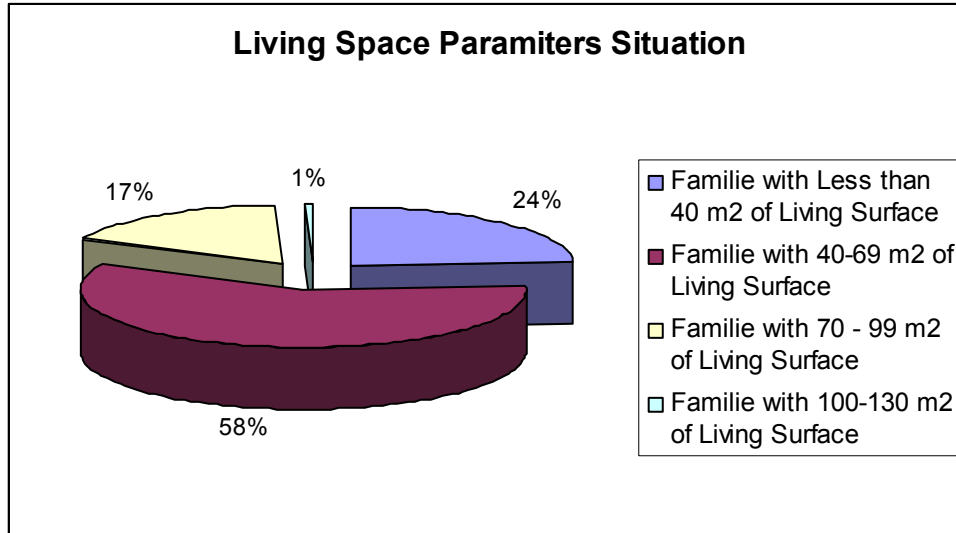


5-THE SITUATION OF WATER ACCESS AND LIVING SPACE PARAMETERS

The following data make clear that the main population (about 58%) lives within 40-69 m² living parameters. In the same time there is a considerable population of 17% who live in less than 40 m² living parameters.

Table 11: The situation of living space parameters

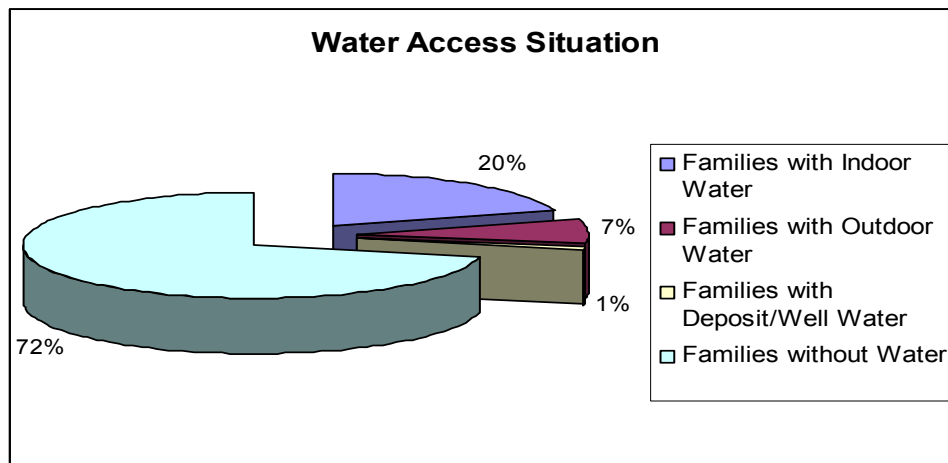
VILLAGE	Families with Less than 40 m ² of Living Parameters	Families with 40-69 m ² of Living Parameters	Families with 70 - 99 m ² of Living Parameters	Families with 100-130 m ² of Living Parameters
BORJE	41	123	25	2
CERNALEVE	14	60	19	0
KOLLOVOZ	22	55	30	1
NOVOSEJ	75	138	50	4
ORSHEKE	39	35	2	0
SHISHTAVEC	41	143	56	0
SHTREZE	21	66	0	0
TOTAL	253	620	182	7



The following table and the graph show clearly that the situation of the water access in the commune is really very poor. So, 72 % of the families in this commune do not have water:

Table 12: The water access situation

Village	Families with Indoor Water	Families with Outdoor Water	Families with Deposit/Well Water	Families without Water
BORJE	8	40	4	139
CERNALEVE	1	0	1	93
KOLLOVOZ	1	1	0	104
NOVOSEJ	0	0	5	262
ORSHEKE	2	0	0	74
SHISHTAVEC	205	35	0	3
SHTREZE	0	0	0	87
TOTAL	217	76	10	762



ANNEX -CALCULATION OF HDI INDEX AT COMMUNE LEVEL

The human development index (HDI)

The HDI is a summary measure of human development. It measures the average achievements in a country in three basic dimensions of human development:

- A long and healthy life, as measured by life expectancy at birth.
- Knowledge, as measured by the adult literacy rate (with two-thirds weight) and the combined primary, secondary and tertiary gross enrolment ratio (with one-third weight).
- A decent standard of living, as measured by GDP per capita (PPP US\$).

The HDI Index formula is as following:

$$\text{HDI Index} = 1/3 * (\text{LE Index} + \text{GDP Index} + \text{Education Index})$$

So, the calculation of HDI Index is done through calculating all the three corresponding index at commune level. For this reason it is necessary to calculate each part of formula separately trying to present the method of distributing the index at commune level.

LE Index (Life Expectancy Index).

This is the only index for which the source of date is so difficult to get and in our calculation used the data of Human Development Report 2002 the average life expectancy at region level for Kukes is 72.64 years.

$$\text{Life Expectancy Index} = \frac{\text{LE} - 25}{85 - 25} = 0.794$$

Where the average life expectancy LE = 72.64 years that is the same for all communes because this data can not be disaggregated at commune level. What means we would have the same life expectancy index = 0.794 for all communes.

Education Index.

The source of data for this index is REPOBA registration 2001 done from INSTATAT.

So, from the database at individual base (Access database) are extracted the Population data and Illiterate Population aggregated at commune level. The Illiterate Ratio is a simple ration of Illiterate Population / Population while literate Index is 1- Illiterate Index.

Population (Age7-24) and Total of students are extracted from the same database of INSTAT and the data are aggregated at commune level. From these data is calculated Gross Enrolment Ratio as a ratio of Total of students / Population (Age7-24) and Gross Enrolment Index = Gross Enrolment Ratio/100

Finally based on the calculated data and the formula can be calculated education index= $2/3 * (\text{Adult literate Index}) + 1/3 * (\text{Gross Enrolment Index})$

The table below presents the data sorted by education index.

Education Index Table.

Nr.	Commune	Population	Illiterate Population	Illiterate Ratio	Adult literate Index	Population (Age7-24)	Total of students	Gross Enrolment Ratio	Gross Enrolment Index	Education Index
1	SURROJ	1952	378	0.19	0.8064	840	369	43.93	0.4393	0.684
2	GJINAJ	1689	106	0.06	0.9372	751	341	45.41	0.4541	0.776
3	FIERZE	2381	129	0.05	0.9458	912	399	43.75	0.4375	0.776
4	MALZIU	5091	270	0.05	0.947	2030	927	45.67	0.4567	0.784
5	LEKBIBAJ	2718	164	0.06	0.9397	1169	565	48.33	0.4833	0.788
6	TROPOJE FSHAT	5612	194	0.03	0.9654	2085	903	43.31	0.4331	0.788
7	UJMISHT	2929	149	0.05	0.9491	1250	587	46.96	0.4696	0.789
8	BUSHTRICE	2574	143	0.06	0.9444	1122	541	48.22	0.4822	0.79
9	ZAPOD ORGJOST	2965	169	0.06	0.943	1214	592	48.76	0.4876	0.791
10	MARGEGAJ	3309	143	0.04	0.9568	1229	567	46.14	0.4614	0.792
11	BUJAN	3454	136	0.04	0.9606	1302	604	46.39	0.4639	0.795
12	KOLSH	1604	76	0.05	0.9526	718	346	48.19	0.4819	0.796
13	FAJZA	4292	259	0.06	0.9397	1899	972	51.18	0.5118	0.797
14	TOPOJAN	3567	202	0.06	0.9434	1440	725	50.35	0.5035	0.797
15	BYTYC	2134	92	0.04	0.9569	846	410	48.46	0.4846	0.799
16	LLUGAJ	2465	122	0.05	0.9505	976	496	50.82	0.5082	0.803
17	BICAJ	7084	307	0.04	0.9567	2804	1396	49.79	0.4979	0.804
18	GRYKE CAJ	2496	101	0.04	0.9595	1027	505	49.17	0.4917	0.804
19	GOLAJ	7823	313	0.04	0.96	3285	1623	49.41	0.4941	0.805
20	KRUME	6682	205	0.03	0.9693	2718	1336	49.15	0.4915	0.81
21	KALIS	1888	101	0.05	0.9465	786	423	53.82	0.5382	0.81
22	TERTHORE	4083	152	0.04	0.9628	1779	907	50.98	0.5098	0.812
23	B.CURRI	6778	138	0.02	0.9796	2343	1127	48.1	0.481	0.813
24	SHISHTAVEC	6026	196	0.03	0.9675	2291	1171	51.11	0.5111	0.815
25	KUKES	17575	445	0.03	0.9747	6236	3125	50.11	0.5011	0.817
26	SHTIQEN	3797	121	0.03	0.9681	1567	808	51.56	0.5156	0.817
27	ARREN	981	37	0.04	0.9623	419	224	53.46	0.5346	0.82

GDP Index.

The assumption is done taking consideration the strong link between GDP and the employed population. In this way the distribution of GDP at Municipality/Commune

level has been linked with the employed population weight at Municipality/Commune level.

Employed Population is taken from the same database of INSTAT aggregating the data at Commune/Municipality level. While Employment factor is a ratio of Employed Population at commune level over all employed population at region level.

Now, we are trying to produce the GDP per capital at municipality/commune level using the employed weight factor. So, from Human Development Report 2002, the GDP index per capital in the Region of Kukes is 0.459 (page 29). This is GDP index while what is need is GDP per capital. For this purpose, referring the reverse formula of GDP index formula is found that GDP per capital is 1564.4 PPP USD

Taking in consideration the population of Kukes 113959 and GDP per capital is 1564.4 PPP USD it came out total GDP =113959 * 1564.4=178 260 883 PPP USD.

Now, simply by multiplying Employment factor with total GDP at region level we can distrusted the total GDP at commune/municipality level. While by dividing GDP at commune/municipality with the corresponding population at commune level we can get the GDP per capital at commune/municipality.

Referring the formula:

$$\text{GDP index} = (\log(\text{GDP per Capital of the commune}) - \log(100)) / (\log(40\ 000) - \log(100))$$
 it is possible calculating the GDP Index

The table below presents the data sorted by GDP index.

GDP Index Table

Nr.	District	Commune	Population	Employed Population	Employment factor	GDP	GDP per Capital	GDP Index
1	KUKES	UJMISHT	2929	491	0.0175	3117820	1064	0.39474
2	HAS	GJINAJ	1689	288	0.0103	1828782	1083	0.39758
3	KUKES	BUSHTRICE	2574	450	0.016	2857472	1110	0.40175
4	KUKES	MALZIU	5091	934	0.0333	5930842	1165	0.4098
5	KUKES	TOPOJAN	3567	676	0.0241	4292558	1203	0.41521
6	KUKES	ARREN	981	187	0.0067	1187438	1210	0.41619
7	KUKES	KALIS	1888	390	0.0139	2476476	1312	0.4296
8	HAS	FAJZA	4292	920	0.0328	5841943	1361	0.43577
9	KUKES	SHISHTAVEC	6026	1341	0.0478	8515267	1413	0.44202
10	KUKES	KOLSH	1604	358	0.0128	2273278	1417	0.44251
11	HAS	GOLAJ	7823	1750	0.0623	11112392	1420	0.44289
12	KUKES	TERTHORE	4083	945	0.0337	6000692	1470	0.44858
13	KUKES	SHTIQEN	3797	935	0.0333	5937192	1564	0.45892
14	KUKES	SURROJ	1952	488	0.0174	3098770	1587	0.46145
15	TROPOJE	BYTYC	2134	539	0.0192	3422617	1604	0.46316
16	TROPOJE	LLUGAJ	2465	626	0.0223	3975061	1613	0.46407
17	TROPOJE	MARGEGAJ	3309	844	0.0301	5359348	1620	0.46479
18	TROPOJE	BUJAN	3454	889	0.0317	5645095	1634	0.4663

19	KUKES	BICAJ	7084	1826	0.065	11594987	1637	0.46655
20	HAS	KRUME	6682	1758	0.0626	11163191	1671	0.46997
21	KUKES	ZAPOD ORGJOST	2965	799	0.0285	5073601	1711	0.47397
22	TROPOJE	LEKBIBAJ	2718	739	0.0263	4692604	1726	0.47546
23	TROPOJE	FIERZE	2381	649	0.0231	4121110	1731	0.47587
24	KUKES	KUKES	17575	4882	0.1739	31000398	1764	0.47903
25	KUKES	GRYKE CAJ	2496	709	0.0253	4502106	1804	0.48276
26	TROPOJE	B.CURRI	6778	1945	0.0693	12350630	1822	0.48446
27	TROPOJE	TROPOJE FSHAT	5612	1715	0.0611	10890144	1941	0.49496

HDI index.

$$\text{HDI INDEX} = 1/3(\text{Life Expectancy Index} + \text{Education Index} + \text{GDP Index})$$

The table below presents the data sorted by HDI index.

HDI index Table

Nr.	District	Commune	GDP Index	Life Expectancy Index	Education Index	HDI INDEX
1	KUKES	SURROJ	0.461	0.794	0.684	0.646
2	HAS	GJINAJ	0.398	0.794	0.776	0.656
3	KUKES	UJMISHT	0.395	0.794	0.789	0.659
4	KUKES	BUSHTRICE	0.402	0.794	0.79	0.662
5	KUKES	MALZIU	0.41	0.794	0.784	0.662
6	KUKES	TOPOJAN	0.415	0.794	0.797	0.669
7	HAS	FAJZA	0.436	0.794	0.797	0.676
8	KUKES	ARREN	0.416	0.794	0.82	0.677
9	KUKES	KOLSH	0.443	0.794	0.796	0.677
10	KUKES	KALIS	0.43	0.794	0.81	0.678
11	HAS	GOLAJ	0.443	0.794	0.805	0.681
12	TROPOJE	FIERZE	0.476	0.794	0.776	0.682
13	TROPOJE	MARGEGAJ	0.465	0.794	0.792	0.683
14	KUKES	SHISHTAVEC	0.442	0.794	0.815	0.684
15	KUKES	TERTHORE	0.449	0.794	0.812	0.685
16	TROPOJE	BUJAN	0.466	0.794	0.795	0.685
17	KUKES	ZAPOD ORGJOST	0.474	0.794	0.791	0.686
18	TROPOJE	BYTYC	0.463	0.794	0.799	0.686
19	TROPOJE	LEKBIBAJ	0.475	0.794	0.788	0.686
20	TROPOJE	LLUGAJ	0.464	0.794	0.803	0.687
21	KUKES	BICAJ	0.467	0.794	0.804	0.688
22	KUKES	SHTIQEN	0.459	0.794	0.817	0.69
23	HAS	KRUME	0.47	0.794	0.81	0.691
24	TROPOJE	TROPOJE FSHAT	0.495	0.794	0.788	0.692
25	KUKES	GRYKE CAJ	0.483	0.794	0.804	0.693
26	KUKES	KUKES	0.479	0.794	0.817	0.697

27	TROPOJE	B.CURRI	0.484	0.794	0.813	0.697
		Average Index	0.45	0.794	0.795	0.68