

THE ASSESSMENT OF TOURIST FLOW IN SUCEAVA COUNTY'S TOURISTY AND AGRO-TOURISTY BOARDING HOUSES

Cristina Simeanu^{1*}, B.V. Avarvarei¹, D. Simeanu¹, Al. Usturoi¹,
B. Pășarin¹

¹Faculty of Animal Sciences, University of Agricultural Sciences
and Veterinary Medicine of Iasi, Romania

Abstract

The indicators regarding the quantification of the tourist circulation such as the average number of tourists (N_t) in the touristy and agro-touristy boarding houses from Suceava County by types of tourists had average values for the 10 years analyzed (2010-2019), of 117.37 Romanian tourists and 6.64 foreign tourists in the touristy pensions and 143.50 Romanian tourists respectively 9.86 foreign tourists in the agro-touristy pensions. The average length of stay (D_s) in tourist pensions and agro-tourist pensions in Suceava County by types of tourists in the same period analyzed (2010-2019) indicates average values of 2.15 days for Romanian tourists and 2.24 days for foreign tourists in tourist pensions respectively 2.24 days for Romanian tourists and 2.31 days for foreign tourists in agro-tourist pensions. The density of tourist traffic (D) in tourist pensions and agro-tourist pensions by localities in Suceava County in the analyzed period (2010-2019) indicates average values of 0.25 tourists in tourist pensions and 0.47 tourists in agro-tourist pensions.

Keywords: average number of tourists; average length of stay; tourist traffic density

INTRODUCTION

Suceava County is recommended as an important tourist area of the country. Besides the great attraction of the mountain landscape, the tourism potential of the county is characterized by diversity, density and value of religious monuments and architecture, by nature reserves and special ethnographic areas, many of them unique in the world.

The monasteries Voroneț, Sucevița, Moldovița, Putna, Humor, Slatina and Dragomirna stand out; Bogdana Church from Rădăuți, as well as those from Arbore, Pătrăuți, Baia, Probota and Suceava, Cetatea de Scaun from the county seat, Salina and the Minor Basilica from Cacica [6].

Rural tourism and agro-tourist, particular forms of tourism, more complex, including both the actual tourist activity (accommodation, boarding house, tourist traffic, provision of additional services) and economic (usually agricultural), finds

favourable premises in Bucovina villages. The rural area has a rich tourist potential that exists in both mountainous and sub-mountainous areas. In addition to historical and natural monuments, tourist interest is increased by the existence of valuable resources in the field of biodiversity. The action of attracting the villages that have natural, as well as cultural - spiritual potential, within the internal and international tourism networks is in permanent progress on the territory of the county. Thus, NGOs have appeared that deal with such activities, such as: National Agency for Rural, Ecological and Cultural Tourism - ANTREC, Romanian Federation of Mountain and Rural Development - FRDMR, Association "GEC Bucovina" etc. [13].

The development of tourism, its integration in the structure of modern economies, in the sphere of needs and consumption of the population, is reflected in a continuous enrichment of its content and a diversification of forms of manifestation. The participation in the tourist movement of more and more social categories, associated with the variety of demand furniture, favoured the

*Corresponding author: csimeanu@uaiasi.ro

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emergence of new forms of tourism, their adaptation being permanent to the requirements of tourists and travel conditions. The intensification of domestic and international travel, the increasing role of tourism in all international relations as well as in economic and social life have led to increased concerns for assessing its size and effects, for developing a unitary system for recording and tracking tourist traffic [5].

MATERIAL AND METHOD

The existing (installed) tourist accommodation capacity represents the number of tourist accommodation places registered in the last act of reception, homologation, classification of the tourist accommodation unit, excluding the extra beds that can be installed in case of need. The places related to the tourist reception structures with complementary tourist accommodation functions (cottages, campsites, etc.) to a basic tourist accommodation structure (hotel, motel, campsite, etc.) and the use of these places are included in the basic structure [13].

The tourist reception structure with tourist accommodation functions represents any construction or arrangement, which permanently or seasonally provides the accommodation service and other specific services for tourists. Tourist pensions are tourist reception structures, with an accommodation capacity of up to 20 rooms, totalling a maximum of 60 places, operating in citizens' homes or in independent buildings, which provide accommodation for tourists and the conditions for preparing and serving meals. Agro-tourist guesthouses are tourist reception structures with accommodation capacity of up to 8 rooms, operating in citizens' homes or in independent buildings, which provide accommodation for tourists and the conditions for preparing and serving meals, as well as the possibility of participating in household activities or craftsmen [13].

The number of tourists (arrivals) accommodated in the tourist accommodation units includes all persons (Romanians and foreigners) who travel outside the localities

where they have their permanent residence, for a period of less than 12 months and stay at least one night in a tourist accommodation unit in visited areas of the country; the main reason for the trip being other than that of carrying out a paid activity in the places visited [13].

The overnight stay (no. days/tourist) represents every night for which a person is registered in a tourist accommodation unit, regardless of whether he is physically present or not in the room [13].

The quantification of tourist traffic is based on various methods, with different degrees of complexity, and uses a wide range of indicators, the most representative being: the average number of tourists, the average length of stay, and the density of tourist traffic.

These indicators express the main characteristics of the tourist traffic and are calculated as follows [2]:

➤**the average number of tourists** is expressed by the ratio between the sum of tourists registered in a given period (ΣT) and the number of days in that period (n):

$$\bar{N}_t = \frac{\Sigma T}{n}$$

and shows the intensity of tourist traffic in a certain time interval (calendar or tourist season).

➤**the average duration of the stay** is determined by relating the number of days / tourist (NTZ) to the number of tourists (T):

$$D_s = \frac{\Sigma NZT}{\Sigma NT}$$

and reflects the possibility of the tourist offer to retain the tourist in a certain area, region or country.

➤**density of the tourist circulation** is the indicator that puts in direct connection the tourist circulation with the resident population of the area, or the country. It is calculated as a ratio between the number of tourists (T) and the number of population (P):

$$D = \frac{\Sigma T}{P}$$

RESULTS AND DISCUSSIONS

Any human action is motivated by supra-individual needs, which as a whole represent the possibility to universalize man, through the concept of human being living in a diversity of updated forms in such a distinct cultural context, called simple, urban and rural [6], [7].

The capitalization of the tourist potential of a region can be expressed synthetically through statistical indicators such as: tourist accommodation capacity, arrivals (number of

tourists) and overnight stays (number of days / tourist) [8], [9], [10], [11].

The existing tourist accommodation capacity of the tourist pensions and of the agro-tourist pensions from Suceava County in the period 2010 - 2019 (*tab. 1*), varied between 1383 - 2308 places in the tourist pensions, most of them being found in the municipality of Vatra Dornei and Gura Humorului and between 1755 - 3788 seats in agro-hostels, most being in the towns Vama and Sucevița.

Table 1 The tourist accommodation capacity of the tourist and agro-tourist pensions on localities from Suceava County

Types of tourists reception structures	Localities	Years									
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
		Measuring unit: places									
Tourist pensions	TOTAL	1383	1534	1665	1715	1592	1725	1964	2171	2308	2303
	Suceava City	168	156	154	155	165	168	166	165	165	158
	Câmpulung Moldovenesc City	147	191	229	217	233	237	234	251	261	227
	Fălticeni City	42	42	42	45	44	45	45	45	45	45
	Rădăuți City	179	139	109	146	77	77	77	61	61	61
	Vatra Dornei City	315	325	365	385	397	445	555	632	709	727
	Broșteni town	:	40	40	:	:	38	10	10	10	10
	Frasin town	70	70	70	78	78	120	120	130	144	144
	Gura Humorului town	427	536	624	657	580	577	687	842	866	879
	Siret town	17	17	14	14	:	:	19	19	19	14
	Solca town	18	18	18	18	18	18	21	16	28	38
	Moara	:	:	:	:	:	:	30	:	:	:
	Agro-tourist pensions	TOTAL	1755	1968	2384	2462	2451	2552	2770	3711	3788
Suceava City		:	16	:	:	:	:	:	:	:	:
Câmpulung Moldovenesc City		:	:	:	:	:	:	:	:	:	16
Broșteni town		:	:	:	:	:	:	:	12	:	:
Frasin town		13	13	13	13	13	14	14	14	:	:
Gura Humorului town		:	:	:	:	:	:	:	8	:	:
Adâncata		:	:	:	:	:	:	:	:	:	6
Berchisești		:	:	:	:	:	:	24	24	24	24
Boroaia		:	:	:	:	:	:	:	:	:	6
Bosanci		16	16	16	16	16	16	16	24	24	24
Breaza		:	:	:	28	28	28	28	62	48	48
Brodina		25	19	19	19	19	22	26	26	26	26
Cacica		:	:	20	44	44	44	79	97	87	105
Cârlibaba		:	50	50	50	50	50	50	50	50	50
Ciocănești		33	26	26	26	50	50	64	115	115	115
CornuLuncii		:	:	:	:	:	:	:	8	8	8
Cosna		:	:	:	:	24	20	40	46	46	46
Crucea		:	:	:	12	12	10	12	12	12	12
Dorna Căndrenilor		97	97	115	145	145	164	170	179	179	177
Dorna-Arini		124	178	200	202	257	255	229	307	307	307
Drăgușeni		42	42	42	42	20	20	20	20	20	20
Dumbrăveni		8	:	:	:	:	:	:	:	:	:
Fântâna Mare		32	32	55	55	55	55	55	55	55	55
Frătăuții Vechi		:	:	:	:	:	:	:	:	8	8
Frumosu		39	39	39	39	28	28	36	26	26	43
Fundu Moldovei		12	12	12	12	20	63	65	98	112	118
Hârtop		:	:	:	:	:	:	:	6	6	6
Horodnic de Sus	:	:	:	:	:	:	:	6	6	6	
Horodniceni	:	:	:	:	:	:	:	:	11	19	

	Ipothești	:	:	:	:	:	:	:	6	12	12
	Mălini	:	20	20	20	20	20	20	62	101	101
	Mănăstirea Humorului	178	186	240	230	215	241	263	322	306	306
	Marginea	20	20	20	20	8	8	8	8	8	8
	Mitocu Dragomirnei	26	10	10	10	10	10	10	46	38	38
	Moara	:	:	:	:	:	30	:	30	30	30
	Moldova-Sulița	:	:	:	:	:	:	:	8	32	16
	Moldovița	46	40	40	32	32	32	41	47	47	15
	Ostra	:	:	:	8	8	8	8	8	8	8
	Panaci	34	28	28	32	32	32	32	60	80	76
	Parteștii de Jos	:	22	28	20	20	20	20	20	20	20
	Pătrăuți	18	18	18	18	18	18	18	18	18	18
	Poiana Stampei	8	8	44	44	26	26	26	26	26	26
	Poeni-Solca	:	:	:	:	:	:	:	10	5	5
	Pojorâta	67	87	117	135	135	140	156	199	189	193
	Putna	53	91	91	91	120	140	150	158	199	199
	Rădășeni	:	:	:	:	:	:	:	6	6	6
	Râșca	6	:	:	:	:	:	:	:	:	:
	Sadova	111	110	135	153	133	127	179	179	177	177
	Șaru Dornei	33	47	93	109	103	83	111	166	195	195
	Șcheia	115	123	170	107	98	98	98	166	116	116
	Slatina	:	:	:	:	:	:	:	10	10	10
	Sucevița	266	268	276	290	314	298	320	409	404	386
	Todirești	12	12	12	12	12	:	:	:	:	:
	Udești	:	:	:	:	:	:	:	8	8	8
	Vama	265	282	379	372	330	328	328	406	433	391
	Vatra Moldoviței	56	56	56	56	36	54	54	116	128	126
	Vicovu de Jos	:	:	:	:	:	:	:	:	:	8
	Voșinel	:	:	:	:	:	:	:	16	16	16
	Zvoriștea	:	:	:	:	:	:	:	6	6	6

Legend: '-' missing data;

Note: Annually INS collects statistical data from tourist accommodation structures with an existing accommodation capacity of at least 5 beds and over.

Source: insse.ro

The number of tourists (arrivals) in tourist pensions and agro-tourist pensions by localities in Suceava County, between 2010 and 2019, is shown in *table 2*. The number of tourists (arrivals) in total in tourist pensions increased constantly in the analyzed period being 291,10% higher in 2019 compared to 2010, the most important arrivals were

registered in the city of Gura Humorului and Vatra Dornei. The number of tourists (arrivals) increased significantly in agro-tourist pensions being 344.85% higher in 2019 compared to 2010; most arrivals were recorded in Dorna Arini, Humorului Monastery, Dorna Căndrenilor, Șcheia and Putna.

Table 2 Arrivals of tourists in tourist and agro-tourist guesthouses, by localities, from Suceava County

Types of tourists reception structures	Localities	Years									
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
		Measuring unit: places									
Tourist pensions	TOTAL	20319	24530	28848	30202	31568	42086	52924	67761	75116	79468
	Suceava City	4180	4137	3879	5511	5653	8698	7891	6986	6036	6463
	Câmpulung Moldovenesc City	1442	2034	2395	1716	2021	2913	3339	4978	4436	5292
	Fălticeni City	1047	908	1286	1488	2096	2348	2308	2320	2641	2657
	Rădăuți City	1850	1641	1210	1373	628	1054	1185	1006	1073	1147
	Vatra Dornei City	4317	5157	4624	4333	6043	7283	9376	11331	15793	14478
	Broșteni town	:	734	1341	980	:	569	1070	1123	1145	492
	Frasin town	751	788	812	1233	2239	2631	3025	3485	2818	3022
	Gura Humorului town	6400	8938	13100	13474	12693	16317	22204	34265	40069	44872
	Siret town	147	116	108	:	:	27	226	552	825	600
	Solca town	185	77	93	94	195	246	303	216	280	445
Moara	:	:	:	:	:	:	1997	1499	:	:	

Agro-tourist pensions	TOTAL	23206	33920	38785	36067	38060	51595	63339	77029	94794	103232
	Vatra Dornei City	:	:	:	30	8	:	54	69	289	139
	Broșteni City	:	:	:	:	:	:	60	:	:	:
	Frasin City	11	44	:	15	27	70	67	104	30	68
	Gura Humorului City	:	:	:	:	15	:	:	2	216	:
	Adâncata	:	:	:	:	:	:	:	:	:	90
	Berchisești	:	:	:	:	:	:	12	350	554	728
	Boroaia	:	:	:	:	:	:	:	:	:	55
	Bosanci	353	216	279	65	20	17	157	60	80	:
	Breaza	:	:	:	119	221	197	240	196	641	338
	Brodina	2	67	14	130	274	337	571	199	385	689
	Cacica	:	:	260	1216	779	1378	3898	2687	3643	5463
	Cârlibaba	:	979	1428	1659	1245	1666	1681	2831	3030	2785
	Ciocănești	268	266	240	87	250	461	914	1637	1875	1655
	Cornu Luncii	:	:	:	:	:	:	25	120	50	50
	Cosna	:	:	:	:	112	170	1525	1253	1439	1211
	Crucea	:	:	:	16	18	30	25	22	:	:
	Dorna Căndrenilor	3905	7477	5497	3914	3964	4454	5271	5882	6712	8409
	Dorna-Anini	1679	2355	4646	3887	5916	6267	5087	8595	9977	9499
	Drăgășeni	632	414	329	163	142	350	320	370	382	353
	Dumbrăveni	48	:	:	:	:	:	:	:	:	:
	Fântâna Mare	348	156	1382	1981	2003	1873	1679	2142	2446	1810
	Frătăuții Vechi	:	:	:	:	:	:	:	:	218	98
	Frumosu	813	634	608	657	493	734	598	809	1206	1095
	Fundu Moldovei	54	95	92	62	408	1123	1566	2137	2544	3297
	Hârtop	:	:	:	:	:	:	25	170	147	150
	Horodnic de Sus	:	:	:	:	:	:	295	405	200	250
	Horodniceni	:	:	:	:	:	:	:	:	151	385
	Ipoțești	:	:	:	:	:	:	30	100	231	263
	Mălini	:	106	88	52	81	56	108	285	1460	2799
	Mănăstirea Humorului	1722	2426	2589	2493	2366	3559	6275	8064	8074	8703
	Marginea	164	379	111	151	54	10	19	23	23	13
	Mitocu Dragomirnei	:	16	:	:	:	:	130	586	936	909
	Moara	:	:	:	:	:	1278	104	1976	2941	3123
	Moldova-Sulița	:	:	:	:	:	32	150	112	432	372
	Moldovița	420	393	326	86	78	105	128	185	333	485
	Ostra	:	:	:	50	48	66	58	88	224	132
	Panaci	162	139	209	99	67	91	184	756	717	1045
	Parțeștii de Jos	:	639	385	140	139	520	318	476	574	718
	Pătrăuți	10	54	10	237	150	392	474	652	605	616
Poiana Stampei	31	23	24	45	83	231	233	271	358	450	
Poieni-Solca	:	:	:	:	:	:	110	:	52	21	
Pojorâta	342	1392	2275	2303	1539	2235	1852	2634	2931	4373	
Putna	709	1811	2407	1805	2742	3437	5715	4878	6268	7476	
Rădășeni	:	:	:	:	:	:	40	70	60	:	
Sadova	417	1906	2082	1785	1828	2701	4882	4086	5523	5486	
Șaru Dornei	102	222	838	730	716	756	1082	1678	2517	3279	
Șcheia	5793	4414	3084	3467	2729	4118	4413	5382	7022	7884	
Slatina	:	:	:	:	:	:	:	62	27	:	
Sucevița	1802	2550	2937	3330	4159	6686	4719	5463	6273	6036	
Todirești	:	:	43	32	10	:	:	:	:	:	
Udești	:	:	:	:	:	:	228	186	200	68	
Vadu Moldovei	:	:	:	:	:	:	:	298	117	231	
Vama	3001	4344	6102	4672	4964	5275	5258	5263	6512	6201	
Vatra Moldoviței	418	403	500	589	412	920	2609	3195	3919	3635	
Vicovu de Jos	:	:	:	:	:	:	:	:	:	195	
Zvořiștea	:	:	:	:	:	:	150	220	250	102	

Source: insse.ro

The number of tourists (arrivals) in the tourist pensions and agro-tourist pensions by types of tourists from Suceava County, between the years 2010 - 2019, is shown in table 3.

Table 3 Arrivals of tourists in tourist and agro-tourist guesthouses, by types of tourists, from Suceava County

Types of tourist reception structures	Types of tourists	Years									
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
		Unit of measure: Number of people									
Tourist pensions	Total	20319	24530	28848	30202	31568	42086	52924	67761	75116	79468
	Romanians	18869	22622	26981	28346	29743	39744	49840	63980	72016	76448
	Foreigners	1450	1908	1867	1856	1825	2342	3084	3781	3100	3020
Agro-tourist pensions	Total	23206	33920	38785	36067	38060	51595	63339	77029	94794	103232
	Romanians	21568	30953	36076	33286	34828	47946	58869	72403	89540	98549
	Foreigners	1638	2967	2709	2781	3232	3649	4470	4626	5254	4683

Source: insse.ro

The number of tourists by types of tourists, in the tourist pensions in the analyzed period (2010 - 2019) showed that over 90% (94.65%) of the arrivals belong to the Romanian tourists. The number of tourists by types of tourists, in the agro-tourist pensions in the same period (2010 - 2019) showed that also over 90% (93.57%) of arrivals belong to Romanian tourists.

The number of days / tourist (overnight stays) in the tourist pensions and agro-tourist pensions by types of tourists from Suceava

County, in the period 2010 - 2019, is shown in table 4.

The number of days / tourist (overnight stays), by types of tourists, in the tourist pensions in the analyzed period (2010 - 2019), showed that over 90% of the overnight stays (94.44%) belong to Romanian tourists. The number of days / tourist (overnight stays) by types of tourists, in the agro-tourist pensions in the same period (2010 - 2019), showed that also over 90% of overnight stays (93.38%) belong to Romanian tourists.

Table 4 Overnight stays in tourist and agro-tourist guesthouses, by types of tourists from Suceava County

Types of tourist reception structures	Types of tourists	Years									
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
		Unit of measure: Number of people									
Tourist pensions	Total	45500	66367	65158	65163	68595	88872	102239	124637	149654	170146
	Romanians	42482	62206	60382	59512	64175	82822	96649	117842	143647	164041
	Foreigners	3018	4161	4776	5651	4420	6050	5590	6795	6007	6105
Agro-tourist pensions	Total	51057	78970	102229	82130	86651	111552	134678	164195	202188	230256
	Romanians	47492	72326	94482	75360	78462	103654	124740	154723	190123	220163
	Foreigners	3565	6644	7747	6770	8189	7898	9938	9472	12065	10093

Source: insse.ro

The population by domicile represents the number of persons with Romanian citizenship and domicile on the Romanian territory, delimited according to administrative-territorial criteria. The domicile of the person is the address at which he declares that he has the main residence, entered in the identity document (CI, BI), as it is taken into account by the administrative bodies of the state. In

establishing the value of this indicator, the usual residence, the period and / or the reason for the absence from home [13] are not taken into account. The population by domicile at 1 July by localities from Suceava County is shown in table 5. These figures will be used to calculate the density of tourist traffic in Suceava County (by localities) between 2010 - 2019.

Table 5 Population by domicile on July 1, by localities from Suceava county

Localities	Years									
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	736921	737710	738982	740323	740861	745107	747689	750691	759544	761432
Suceava City	118101	117698	117029	116569	115439	117357	118100	119526	124560	124896
Câmpulung Moldovenesc City	20953	20778	20606	20468	20328	20243	20133	20065	19951	20114
Fălticeni City	32408	32208	32011	31854	31776	31657	31529	31362	31312	31082
Rădăuți City	32338	32380	32499	32648	32822	33183	33437	33649	34332	34984
Vatra Dornei City	17792	17650	17527	17459	17342	17312	17100	16918	16816	16588
Broșteni town	6754	6692	6672	6622	6558	6514	6495	6456	6420	6378
Frasin town	6716	6697	6672	6685	6652	6650	6624	6589	6592	6565
Gura Humorului town	16866	16939	16948	17041	17115	17130	17096	17094	17212	17696
Siret town	9835	9745	9662	9639	9704	9735	9723	9713	9655	9560
Solca town	2614	2604	2612	2615	2611	2629	2624	2615	2634	2618
Adâncata	4370	4349	4365	4358	4363	4354	4342	4352	4359	4346
Berchisesti	2859	2877	2904	2912	2933	2933	2947	2949	3163	3204
Boroaia	4823	4820	4833	4813	4815	4790	4773	4762	4744	4741
Bosanci	7377	7420	7554	7637	7660	7745	7831	7887	7972	7963
Breaza	1690	1674	1659	1650	1628	1608	1589	1583	1571	1550
Brodina	4023	4032	4040	4025	4008	3995	4008	3982	3962	3959
Cacica	4419	4408	4419	4419	4405	4412	4375	4361	4397	4376
Cărlibaba	1959	1947	1938	1935	1921	1931	1939	1944	1942	1950
Ciocănești	1516	1509	1494	1474	1466	1440	1457	1441	1448	1448
Cornuluncii	7275	7301	7341	7350	7368	7403	7361	7373	7389	7366
Coșna	1502	1512	1504	1483	1484	1495	1506	1501	1489	1490
Crucea	2169	2153	2143	2149	2125	2117	2098	2082	2052	2006
Dorna Căndrenilor	3029	3033	3069	3072	3057	3056	3077	3093	3107	3120
Dorna-Arini	2985	2949	2947	2908	2897	2900	2914	2918	2917	2935
Drăgușeni	2683	2678	2665	2659	2650	2629	2645	2636	2608	2572
Dumbrăveni	9240	9354	9416	9464	9490	9626	9691	9772	9879	9963
Fântâna Mare	2542	2586	2610	2625	2609	2614	2604	2630	2620	2607
Frătăuții Vechi	5054	5079	5110	5183	5198	5300	5378	5449	5663	5766
Frumosu	3638	3607	3596	3545	3519	3496	3500	3485	3474	3444
Fundu Moldovei	4207	4189	4165	4144	4111	4075	4059	4016	3991	3940
Hârțop	2428	2463	2523	2570	2592	2614	2616	2635	2633	2635
Horodnic de Sus	4990	5021	5066	5103	5143	5211	5296	5324	5376	5375
Horodniceni	3727	3721	3696	3675	3700	3686	3677	3652	3617	3583
Ipotesti	5939	6221	6418	6625	6872	7120	7372	7600	7946	8409
Mălini	7755	7760	7805	7817	7825	7849	7828	7863	7826	7791
Mănăstirea Humorului	3644	3656	3667	3670	3692	3728	3748	3751	3774	3789
Marginea	10410	10499	10624	10787	10960	11024	11113	11204	11294	11387
Mitocu Dragomirnei	4669	4728	4856	4954	5002	5085	5222	5322	5390	5440
Moara	4905	5024	5124	5214	5345	5500	5656	5748	5855	6002
Moldova-Sulița	2112	2097	2088	2070	2067	2073	2076	2055	2038	2003
Moldovița	5255	5239	5256	5268	5286	5259	5250	5239	5240	5236
Ostra	3179	3178	3192	3203	3189	3193	3178	3177	3488	3443
Panaci	2308	2301	2299	2320	2302	2298	2272	2277	2266	2255
Partestii de Jos	2960	2911	2894	2851	2808	2787	2827	2817	2812	2817
Pătrăuți	4915	5014	5101	5165	5257	5362	5409	5492	5567	5593
Poiana Stampei	2277	2288	2291	2291	2303	2303	2310	2325	2304	2280
Poieni-Solca	2083	2095	2104	2116	2133	2137	2140	2161	2170	2166
Pojorâta	2984	2983	2979	3005	3013	3012	3007	3013	3000	2960
Putna	3930	3918	3914	3932	3908	3898	3902	3907	3917	3888
Rădășeni	4343	4327	4301	4290	4269	4244	4198	4182	4165	4117
Sadova	2436	2447	2469	2499	2511	2518	2500	2489	2510	2545
Șaru Dornei	4281	4285	4280	4257	4242	4241	4241	4215	4173	4183
Scheia	8985	9422	9793	10144	10452	10770	11138	11492	11826	12167
Slatina	5442	5461	5532	5557	5583	5591	5634	5621	5654	5625
Sucevița	3014	3061	3084	3098	3120	3158	3204	3220	3241	3271
Todirești	5445	5435	5429	5391	5370	5363	5385	5381	5388	5393
Udești	7861	7884	7890	7921	7976	7964	8048	8100	8134	8141
Vadu Moldovei	4697	4676	4645	4619	4601	4580	4529	4501	4506	4472
Vama	6095	6078	6136	6156	6192	6192	6193	6172	6195	6194
Vatra Moldoviței	4587	4565	4535	4527	4523	4490	4454	4424	4416	4401
Vicovu de Jos	6336	6344	6372	6427	6471	6521	6561	6613	6681	6707
Zvoriștea	6096	6093	6113	6134	6141	6140	6125	6121	6138	6128

Source: insse.ro

The quantification of the tourist circulation is based on various methods, with different degrees of complexity, the most representative indicators being: the average number of tourists (Nt), the average length of stay (Ds), the density of the tourist circulation (D) [1], [3], [4].

The average number of tourists (Nt) in the tourist pensions and agro-tourist pensions from Suceava County, in the period 2010 - 2019, by types of tourists is shown in *table 6*.

This indicator showing the intensity of tourist traffic in a certain interval (calendar or tourist season) [12] in tourist pensions and agro-tourist pensions in Suceava County by types of tourists recorded average values in the 10 years analyzed (2010 - 2019), of 117.37 Romanian tourists and 6.64 foreign tourists in the tourist pensions and 143.50 Romanian tourists respectively 9.86 foreign tourists in the agro-tourist pensions, figures

that suggest a good intensity of the quantified tourist circulation in the average number of tourists. It was found that the average number of Romanian tourists is much higher than the average number of foreign tourists both in tourist pensions, by 1667.62% and in agro-tourist pensions, by 1355.37%.

The average number of tourists (Nt) registered in the analyzed period (2010 - 2019), in Suceava County, indicates a higher intensity of tourist traffic in agro-tourist pensions compared to tourist pensions by 122.26% for Romanian tourists and for foreign tourists by 48.49%.

The average number of tourists, Suceava County, has steadily increased in the period under review, being 291.09% higher in the year 2019 face to 2010 in tourist boarding houses and also steadily increased in the case of rural tourism being 344.84% higher in the year 2019 face to 2010.

Table 6 The average number of visitors to the pensions they travel and pensions they agro-tourist by types of tourists from Suceava County

Types of tourist reception structures	Types of tourists	Years									
		2010	2011	2012*	2013	2014	2015	2016*	2017	2018	2019
Unit of measure: Number of people											
Tourist pensions	Total	55.67	67.21	78.82	82.75	86.49	115.30	144.60	185.65	205.80	217.72
	Romanians	51.70	61.98	73.72	77.66	81.49	108.89	136.17	175.29	197.30	209.45
	Foreigners	3.97	5.23	5.10	5.08	5.00	6.42	8.43	10.36	8.49	8.27
Agro-tourist pensions	Total	63.58	92.93	105.97	98.81	104.27	141.36	173.06	211.04	259.71	282.83
	Romanians	59.09	84.80	98.57	91.19	95.42	131.36	160.84	198.36	245.32	270.00
	Foreigners	4.49	8.13	7.40	7.62	8.85	10.00	12.21	12.67	14.39	12.83

Note: * - the years 2012 and 2016 were leap years with 366 days

The average length of stay (Ds) in the tourist pensions and agro-tourist pensions from Suceava County, in the period 2010 - 2019, by types of tourists is shown in *table 7*.

Table 7 Average length of stay in tourist and agro-tourist guesthouses by types of tourists from Suceava County

Types of tourist reception structures	Types of tourists	Years									
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Unit of measure: Number of days											
Tourist pensions	Total	2.24	2.71	2.26	2.16	2.17	2.11	1.93	1.84	1.99	2.14
	Romanians	2.25	2.75	2.24	2.10	2.16	2.08	1.94	1.84	1.99	2.15
	Foreigners	2.08	2.18	2.56	3.04	2.42	2.58	1.81	1.80	1.94	2.02
Agritourism pensions	Total	2.20	2.33	2.64	2.28	2.28	2.16	2.13	2.13	2.13	2.23
	Romanians	2.20	2.34	2.62	2.26	2.25	2.16	2.12	2.14	2.12	2.23
	Foreigners	2.18	2.24	2.86	2.43	2.53	2.16	2.22	2.05	2.30	2.16

This indicator shows the average time (days) of tourists to stay in accommodation and thus reflects the possibility of the offer to retain the tourist in a certain area or region [12], within the tourist pensions and agro-

tourist pensions in Suceava County, the types of tourists in the period under review (2010 - 2019) indicate average of 2.15 days Romanian tourists and 2.24 days to foreign tourists in tourist pensions respectively 2.24

days Romanian tourists and 2.31 days for foreign tourists in agro-tourist pensions, finding that the average length of stay of foreign tourists is higher than the average length of stay of Romanian tourists both in tourist pensions, by 4.18% and in agro-tourist pensions, by 3.12%.

The average length of stay (Ds) in the analyzed period (2010 - 2019), in Suceava County, showed fluctuations and indicates that the average time (days) of tourists staying in accommodation is longer in agro-tourist pensions compared to the tourist pensions with only 4.65% for the Romanian

tourists and that the average time (days) of the tourists staying in the accommodation spaces is longer in the agro-tourist pensions compared to the tourist pensions with 3.12% for the foreign tourists.

Density of tourist traffic (D) is the indicator that directly links tourist traffic with the resident population of an area or country. The density of the tourist circulation (D) in the tourist pensions and the agro-tourist pensions in the period 2010 - 2019, by localities in Suceava County is shown in *table 8*.

Table 8 Density of tourist traffic by localities in Suceava County

Types of tourists reception structures	Localities	Years									
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
		Unit of measure: Number of people									
Tourist pensions	TOTAL	0.03	0.03	0.04	0.04	0.04	0.06	0.07	0.09	0.10	0.10
	Suceava City	0.04	0.04	0.03	0.05	0.05	0.07	0.07	0.06	0.05	0.05
	Câmpulung Moldovenesc City	0.07	0.10	0.12	0.08	0.10	0.14	0.17	0.25	0.22	0.26
	Fălticeni City	0.03	0.03	0.04	0.05	0.07	0.07	0.07	0.07	0.08	0.09
	Rădăuți City	0.06	0.05	0.04	0.04	0.02	0.03	0.04	0.03	0.03	0.03
	Vatra Dornei City	0.24	0.29	0.26	0.25	0.35	0.42	0.55	0.67	0.94	0.87
	Broșteni town	-	0.11	0.20	0.15	-	0.09	0.16	0.17	0.18	0.08
	Frasin town	0.11	0.12	0.12	0.18	0.34	0.40	0.46	0.53	0.43	0.46
	Gura Humorului town	0.38	0.53	0.77	0.79	0.74	0.95	1.30	2.00	2.33	2.54
	Siret town	0.01	0.01	0.01	-	-	0.00	0.02	0.06	0.09	0.06
	Solca town	0.07	0.03	0.04	0.04	0.07	0.09	0.12	0.08	0.11	0.17
	Moara	-	-	-	-	-	-	0.35	0.26	-	-
Agritourist pensions	TOTAL	0.03	0.05	0.05	0.05	0.05	0.07	0.08	0.10	0.12	0.14
	Vatra Dornei City	-	-	-	0.00	0.00	-	0.00	0.00	0.02	0.01
	Broșteni town	-	-	-	-	-	-	0.01	-	-	-
	Frasin town	0.00	0.01	-	0.00	0.00	0.01	0.01	0.02	0.00	0.01
	Gura Humorului town	-	-	-	-	0.00	-	-	0.00	0.01	-
	Adâncata	-	-	-	-	-	-	-	-	-	0.02
	Berchisești	-	-	-	-	-	-	0.00	0.12	0.18	0.23
	Boroaia	-	-	-	-	-	-	-	-	-	0.01
	Bosanci	0.05	0.03	0.04	0.01	0.00	0.00	0.02	0.01	0.01	-
	Breaza	-	-	-	0.07	0.14	0.12	0.15	0.12	0.41	0.22
	Brodina	0.00	0.02	0.00	0.03	0.07	0.08	0.14	0.05	0.10	0.17
	Cacica	-	-	0.06	0.28	0.18	0.31	0.89	0.62	0.83	1.25
	Cârlibaba	-	0.50	0.74	0.86	0.65	0.86	0.87	1.46	1.56	1.43
	Ciocanești	0.18	0.18	0.16	0.06	0.17	0.32	0.63	1.14	1.29	1.14
	Cornu Luncii	-	-	-	-	-	-	0.00	0.02	0.01	0.01
	Cosna	-	-	-	-	0.08	0.11	1.01	0.83	0.97	0.81
	Crucea	-	-	-	0.01	0.01	0.01	0.01	0.01	-	-
Dorna Căndrenilor	1.29	2.47	1.79	1.27	1.30	1.46	1.71	1.90	2.16	2.70	

Dorna-Arini	0.56	0.80	1.58	1.34	2.04	2.16	1.75	2.95	3.42	3.24
Drăgușeni	0.24	0.15	0.12	0.06	0.05	0.13	0.12	0.14	0.15	0.14
Dumbrăveni	0.01	-	-	-	-	-	-	-	-	-
Fântana Mare	0.14	0.06	0.53	0.75	0.77	0.72	0.64	0.81	0.93	0.69
Frătăuți Vechi	-	-	-	-	-	-	-	-	0.04	0.02
Frumosu	0.22	0.18	0.17	0.19	0.14	0.21	0.17	0.23	0.35	0.32
Fundu Moldovei	0.01	0.02	0.02	0.01	0.10	0.28	0.39	0.53	0.64	0.84
Hartop	-	-	-	-	-	-	0.01	0.06	0.06	0.06
Horodnic de Sus	-	-	-	-	-	-	0.06	0.08	0.04	0.05
Horodniceni	-	-	-	-	-	-	-	-	0.04	0.11
Ipoțești	-	-	-	-	-	-	0.00	0.01	0.03	0.03
Mălini	-	0.01	0.01	0.01	0.01	0.01	0.01	0.04	0.19	0.36
Mănăstirea Humorului	0.47	0.66	0.71	0.68	0.64	0.95	1.67	2.15	2.14	2.30
Marginea	0.02	0.04	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Mitocu Dragomirnei	-	0.00	-	-	-	-	0.02	0.11	0.17	0.17
Moara	-	-	-	-	-	0.23	0.02	0.34	0.50	0.52
Moldova-Sulița	-	-	-	-	-	0.02	0.07	0.05	0.21	0.19
Moldovița	0.08	0.08	0.06	0.02	0.01	0.02	0.02	0.04	0.06	0.09
Ostra	-	-	-	0.02	0.02	0.02	0.02	0.03	0.06	0.04
Panaci	0.07	0.06	0.09	0.04	0.03	0.04	0.08	0.33	0.32	0.46
Partestii de Jos	-	0.22	0.13	0.05	0.05	0.19	0.11	0.17	0.20	0.25
Pătrăuți	0.00	0.01	0.00	0.05	0.03	0.07	0.09	0.12	0.11	0.11
Poiana Stampei	0.01	0.01	0.01	0.02	0.04	0.10	0.10	0.12	0.16	0.20
Poieni-Solca	-	-	-	-	-	-	0.05	-	0.02	0.01
Pojorâta	0.11	0.47	0.76	0.77	0.51	0.74	0.62	0.87	0.98	1.48
Putna	0.18	0.46	0.61	0.46	0.70	0.88	1.46	1.25	1.60	1.92
Rădășeni	-	-	-	-	-	-	0.01	0.02	0.01	-
Sadova	0.17	0.78	0.84	0.71	0.73	1.07	1.95	1.64	2.20	2.16
Șaru Dornei	0.02	0.05	0.20	0.17	0.17	0.18	0.26	0.40	0.60	0.78
Șcheia	0.64	0.47	0.31	0.34	0.26	0.38	0.40	0.47	0.59	0.65
Slatina	-	-	-	-	-	-	-	0.01	0.00	-
Sucevița	0.60	0.83	0.95	1.07	1.33	2.12	1.47	1.70	1.94	1.85
Todirești	-	-	0.01	0.01	0.00	-	-	-	-	-
Udești	-	-	-	-	-	-	0.03	0.02	0.02	0.01
Vadu Moldovei	-	-	-	-	-	-	-	0.07	0.03	0.05
Vama	0.49	0.71	0.99	0.76	0.80	0.85	0.85	0.85	1.05	1.00
Vatra Moldoviței	0.09	0.09	0.11	0.13	0.09	0.20	0.59	0.72	0.89	0.83
Vicovu de Jos	-	-	-	-	-	-	-	-	-	0.03
Zvoriștea	-	-	-	-	-	-	0.02	0.04	0.04	0.02

Usually this indicator has subunit value in areas with medium and low tourist traffic [12], as is the case of tourist traffic density in tourist pensions and agro-tourist pensions by localities in Suceava County except for tourist pensions, the city of Gura Humorului which in the period 2016 - 2019 had a density of tourist traffic with super-unitary values, so a high density of tourist traffic (2.54 in 2019). Super-unit values were also registered in the case of density for agro-tourist pensions in the localities: Cărlibaba, Ciocănești, Dorna Căndrenilor, Dorna Arini, Mănăstirea Humorului, Putna, Sadova, Sucevița, Vama. In the analyzed period (2010 -2019) the average values of 0.25 tourists in

tourist pensions and 0.47 tourists in agro-tourist pensions, indicate a tourist circulation in connection with the resident population of the localities where there are tourist pensions and agro-tourist pensions from Suceava County, very low.

The density of the tourist circulation (D), by localities, in the analyzed period (2010 - 2019), as an indicator that directly connects the tourist circulation with the resident population of the localities from Suceava County reveals a density of the tourist circulation higher by 88% in the case of agro-tourist boarding houses present mainly in rural areas compared to tourist boarding houses that are found in urban areas.

CONCLUSIONS

The average number of tourists (Nt), in the tourist pensions and agro-tourist pensions from Suceava County by types of tourists registered average values for the 10 years analyzed (2010 -2019), of 117.37 Romanian tourists in the tourist pensions and 143.50 Romanian tourists in agro-tourist pensions figures suggesting a good intensity of tourist traffic quantified in the average number of Romanian tourists and 6.64 foreign tourists in tourist pensions respectively 9.86 foreign tourists in agro-tourist pensions, figures suggesting an average intensity of tourist circulation quantified in the average number of foreign tourists. It was found that the average number of Romanian tourists is much higher than the average number of foreign tourists both in tourist pensions, by 1667.62% and in agro-tourist pensions, by 1355.37%.

The average length of stay (Ds), in tourist pensions and agro-tourist pensions in Suceava County by types of tourists in the same analyzed period (2010 -2019) indicates average values of 2.15 days for Romanian tourists in tourist pensions and 2.24 days for Romanian tourists in agro-tourist pensions and 2.24 days for foreign tourists in tourist pensions respectively 2.31 days for foreign tourists in agro-tourist pensions, finding that the average length of stay of foreign tourists is longer than the average length of stay of Romanian tourists both within the tourist pensions, by 4.18 % and within the agro-tourist pensions, by 3.12%.

The density of tourist traffic (D), in tourist pensions and agro-tourist pensions by localities in Suceava County in the analyzed period (2010 -2019) indicates average values of 0.25 tourists in tourist pensions and 0.47 tourists in agro-tourist pensions, these figures suggests a tourist circulation in connection with the resident population of the localities where there are tourist pensions and agro-tourist pensions in Suceava County. The density of the tourist circulation, as an indicator that directly connects the tourist circulation with the resident population of Suceava County reveals a density of the tourist circulation higher by 88%, in the case of agro-tourist pensions present mainly in

rural areas compared to the tourist pensions found in the most largely in urban areas.

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