

Multi-Temporal Analysis and Trends of the Drought Based on MODIS Data in Agricultural Areas, Romania

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Table S1. Air temperature and precipitation in the 1981–2010 period.

Study Area		Max.	Min.	Mean.
Oltenia Plain	Air Temperature (°C)	12.2	11	11.5
	Precipitation (mm)	601	494	532
Baragan Plain	Air Temperature (°C)	11.7	10.9	11.2
	Precipitation (mm)	581	417	480
Banat Plain	Air Temperature (°C)	11.7	10.3	11
	Precipitation (mm)	761	523	601

Data Source: Archive of the National Meteorological Administration.

Table S2. Correspondence of time periods for each synthesis of MODIS products.

Synthesis no.	8 days composite period	Synthesis no.	8 days composite period	Synthesis no.	8 days composite period	Synthesis no.	8 days composite period	Synthesis no.	8 days composite period
89	30.03-06.04	129	09.05-16.05	169	18.06-25.06	209	28.07-04.08	249	06.09-13.09
97	07.04-14.04	137	17.05-24.05	177	26.06-03.07	217	05.08-12.08	257	14.09-21.09
105	15.04-22.04	145	25.05-01.06	185	04.07-11.07	225	13.08-20.08	265	22.09-29.09
113	23.04-30.04	153	02.06-09.06	193	12.07-19.07	233	21.08-28.08		
121	01.05-08.05	161	10.06-17.06	201	20.07-27.07	241	29.08-05.09		

Table S3: Agricultural surface (ha) affected by drought.

Study area	Type of drought	Frequency (%)	Agricultural surface (ha) affected by drought																						
			30.03-06.04	07.04-14.04	15.04-22.04	23.04-30.04	01.05-08.05	09.05-16.05	17.05-24.05	25.05-01.06	02.06-09.06	10.06-17.06	18.06-25.06	26.06-03.07	04.07-11.07	12.07-19.07	20.07-27.07	28.07-04.08	05.08 -12.08	13.08-20.08	21.08-28.08	29.08-05.09	06.09-13.09	14.09-21.09	22.09-29.09
Banat Plain	Extreme* Drought	< 10 %	43903	43473	90300	89074.5	135106	131666	200079	194295.5	214075.5	173870.5	101243.5	98341	108940.5	91654.5	62995	146092.5	125194.5	59791.5	23585.5	32658.5	52051.5	26939.5	49815.5
		10 to 20 %	666.5	322.5	1204	1354.5	2709	2408	5912.5	3397	4773	6407	2967	2687.5	2429.5	2322	817	3160.5	4106.5	2107	817	817	666.5	150.5	817
	Severe Drought	< 10 %	10423	12276	13383	12837	13049	12856	12806	12588	12696	13003	13154	12935	12755	13066	12880	13334	13027	11666	11398	9360	11536	9570	13167
		10 to 20 %	2227	2800	4814	4124	4430	4303	5177	4033	4751	6108	3651	4324	5679	5517	4705	6319	7371	5832	3098	2296	3474	2152	5216
		> 20 %	0	0	0	0	2	1	3	0	0	5	1	3	5	6	2	11	5	12	2	2	2	0	0
	Moderate Drought	< 10 %	9008	7638	8515	8291	10142	9193	9751	10264	10049	9064	9115	8166	7376	7180	7119	8203	7966	5739	6153	5507	7256	6309	11395
		10 to 20 %	15750	16910	15553	15600	13143	14183	13309	12423	12903	14253	14766	15381	15827	15785	16433	15476	15504	16299	16869	17574	16681	17749	22773
		> 20 %	1704	2428	2286	2452	1314	1761	1753	1254	1478	2043	1646	2490	3510	4062	3603	2715	2879	5650	4571	4780	3192	3580	2740
	Total Drought	< 10 %	4659	2630	1797	2297	2917	2627	1880	3164	2309	1251	2714	1825	1124	1055	1273	915	753	850	1634	2269	2375	2594	1580
		10 to 20 %	21491	22600	22225	18898	23739	22952	22570	23514	23154	21816	23672	22597	19700	19162	20361	20192	19636	16716	19918	19604	20920	21455	23308
		> 20 %	3743	5144	6435	6147	3762	4864	6039	3788	5031	7440	4041	6018	9617	10243	8756	9374	10095	12826	8751	8187	6977	6130	5551
Oltenia Plain	Extreme* Drought	< 10 %	3717	4418	7309	6459	11030	12177	17977	13044	19267	11277	11602	6921	6993	5461	9899	6356	2462	1097	1097	694	560	447	495
		10 to 20 %	56	17	182	175	370	1026	504	459	1034	696	306	197	159	200	374	223	41	38	38	25	11	7	6
	Severe Drought	< 10 %	13192	12266	12938	13206	12732	13170	10173	11930	11453	12676	12009	12859	12853	12351	13313	12516	11922	6384	5158	4123	4817	4097	6592
		10 to 20 %	4506	2279	4977	5819	6346	7306	3726	5237	4243	7513	4842	4993	5477	7356	6489	6840	4908	1632	928	855	925	527	578
		> 20 %	0	0	0	8	5	6	2	4	3	12	2	1	7	16	8	18	2	4	3	5	2	1	0
	Moderate Drought	< 10 %	8477	9223	9531	8789	10024	10960	11443	9984	11420	9435	10278	9527	7889	7324	9174	7968	5092	6379	7877	7148	6819	8089	8220
		10 to 20 %	14894	14381	13398	14879	13211	10647	9843	12763	9796	13405	12386	13688	15584	15819	13851	14867	17053	16041	15558	15877	17317	16591	16204
		> 20 %	2748	1759	1672	2016	1258	1012	795	1607	639	1842	1372	1621	2838	3408	2121	3125	5664	3553	2006	2693	2853	1586	2060
	Total Drought	< 10 %	2239	4322	2101	1394	1229	972	3530	1612	1963	598	2125	2074	1054	753	693	849	658	4165	6204	5859	5147	6854	6921
		10 to 20 %	21679	22589	23875	22822	23255	25034	23550	22608	24403	21336	23860	23655	20464	18474	21783	20193	17310	18431	18443	18131	20269	19808	21142
		> 20 %	7168	4099	5185	7001	6723	5203	4157	7032	4886	9320	5245	5401	9604	11878	8655	10101	13159	6346	3646	4332	4325	2460	2218
Baragan Plain	Extreme* Drought	< 10 %	1312	3379	2928	3017	7123	9187	7743	11903	15914	9626	9431	10259	9972	11111	14856	7047	2535	1359	1359	696	1247	1054	1229
		10 to 20 %	22	34	51	52	194	181	306	397	1068	379	320	410	527	513	409	251	84	50	50	22	15	8	10

Study area	Type of drought	Frequency (%)	Agricultural surface (ha) affected by drought																						
			30.03-06.04	07.04-14.04	15.04-22.04	23.04-30.04	01.05-08.05	09.05-16.05	17.05-24.05	25.05-01.06	02.06-09.06	10.06-17.06	18.06-25.06	26.06-03.07	04.07-11.07	12.07-19.07	20.07-27.07	28.07-04.08	05.08 -12.08	13.08-20.08	21.08-28.08	29.08-05.09	06.09-13.09	14.09-21.09	22.09-29.09
	Severe Drought	< 10 %	12133	17875	17120	15308	17405	18920	17959	18508	18110	19296	17988	17664	16708	17617	17859	17574	12706	9269	6173	7141	9318	10323	11599
		10 to 20 %	3947	4162	6239	5058	8355	8242	9679	10689	10726	11554	9720	6844	8559	8817	6826	8392	5132	2292	1237	1669	3786	697	2018
		> 20 %	0	0	6	9	12	9	11	12	18	15	11	4	26	22	23	18	7	2	0	0	1	0	0
	Moderate Drought	< 10 %	7073	13400	9893	9445	11221	12212	11172	12931	13666	12544	12801	13351	11126	11169	11713	9230	7381	10130	9139	9944	11101	14212	8660
		10 to 20 %	25984	20915	23425	23577	21385	21076	21490	20046	19030	20415	20121	19836	21177	21434	21651	22900	23860	21994	22227	22181	22805	19180	16545
		> 20 %	6485	1797	4640	5196	3917	3191	4103	2648	2316	3082	2785	2432	4489	4368	3577	6010	7615	4238	4536	4088	2927	2081	1480
	Total Drought	< 10 %	2243	3696	2282	2974	1838	1921	1261	1075	881	819	1392	2819	1609	1327	1584	1044	2370	6519	7154	7466	7218	11888	7140
		10 to 20 %	29047	33676	29831	28723	29531	29575	28265	29930	29382	28872	31773	31753	27247	26487	28074	24951	25442	25691	24571	24922	28425	24709	29607
		> 20 %	11359	3957	10689	10877	11486	11422	13356	11926	12697	13275	9770	8204	13840	14994	13236	16824	14489	7238	6655	6534	4776	3314	4522
Romania	Extreme* Drought	< 10 %	74460	109456	82203	89462	174238	186300	224706	199079	253831	240306	244654	233689	242768	214676	258853	235231	203151	171457	189492	165251	179301	106420	118671
		10 to 20 %	1114	965	1400	1360	4164	6770	7079	4182	8713	11629	8062	10051	13155	10318	15461	18571	15993	15104	14387	10408	8115	3756	2659
	Severe Drought	< 10 %	255387	279927	267182	254889	267435	266792	249035	257708	251635	262246	251494	251228	247048	255181	261527	255859	245694	215972	206149	203249	213327	222687	246000
		10 to 20 %	68260	83919	82427	74108	109414	105073	102864	101247	112522	136137	110177	106853	128032	135240	120044	131113	127386	102539	87756	84616	77117	71101	79322
		> 20 %	13	18	31	39	98	66	84	60	149	323	69	115	286	337	268	370	329	423	297	216	85	54	38
	Moderate Drought	< 10 %	174348	208172	178524	174512	198873	202611	201151	200894	209279	201016	214269	214287	194728	185612	200738	192986	177432	174982	179808	175142	191142	186266	201440
		10 to 20 %	321396	290456	324441	328593	289626	272201	264906	266134	250329	273008	248605	251293	281267	293881	278285	280144	292094	297498	296621	300191	292870	313535	296238
		> 20 %	52567	28953	47745	51630	38685	35762	37801	36527	30351	37384	26218	26453	42863	51240	40206	47752	61538	58260	50584	54860	39733	43418	30592
	Total Drought	< 10 %	60474	65049	49067	52667	41260	49815	56622	65632	62545	33660	57042	55960	33728	27870	25328	22754	23683	45484	51995	55330	59758	72695	71315
10 to 20 %		446883	474281	456349	446167	452159	456937	439474	436270	432283	423441	460842	461631	413415	400874	431994	418443	401536	390085	397999	400977	442234	428226	459424	
> 20 %		107397	77573	111489	117149	124990	111545	122657	116417	123984	162300	101177	100043	170499	189395	161441	177204	191728	168988	150600	144610	106021	105461	82037	

* The frequency higher than 20% are not present for extreme drought at the three study areas and at the Romania level.

Table S4. ANOVA test between DSI, SPEI and SMA

	Source of Variation	SS	df	MS	F	P-value	F crit
Romania	Between Groups	779.3156	2	389.6578	2.944927	0.061107	3.168246
Banat Plain	Between Groups	740.2335	2	370.1168	2.160222	0.125161	3.168246
Oltenia Plain	Between Groups	554.4849	2	277.2424	1.507541	0.230626	3.168246
Baragan Plain	Between Groups	620.9949	2	310.4975	1.547659	0.222033	3.168246

Table S5. Trend and statistical significance of the agricultural surface affected by DSI according to the Mann-Kendall test (2001-2019).

Synthesis - 8 days period (2001-2019)	Banat Plain						Baragan Plain						Oltenia Plain					
	Moderate drought		Severe drought		Extreme drought		Moderate drought		Severe drought		Extreme drought		Moderate drought		Severe drought		Extreme drought	
	Test Z	Sig	Test Z	Sig	Test Z	Sig	Test Z	Sig	Test Z	Sig	Test Z	Sig	Test Z	Sig	Test Z	Sig	Test Z	Sig
30.03-06.04	-1.33		-0.63		-0.25		-1.86	+	-1.61		-1.78	+	-1.75	+	-1.68	+	-1.13	
07.04-14.04	-0.49		-0.14		-0.40		-1.54		-1.16		-0.79		-1.47		-0.98		-0.81	
15.04-22.04	0.49		0.91		1.30		-1.96	+	-1.54		-1.51		-1.05		-0.32		-0.18	
23.04-30.04	-0.56		-0.14		-0.39		-1.33		-1.05		-1.09		-0.84		-0.91		-0.95	
01.05-08.05	-1.61		-1.05		-0.53		-1.96	+	-1.89	+	-1.75	+	-2.17	*	-1.96	+	-1.82	+
09.05-16.05	-1.68	+	-1.61		-1.65	+	-2.94	**	-3.01	**	-2.39	*	-2.38	*	-2.03	*	-1.61	
17.05-24.05	-0.35		0.42		0.98		-2.66	**	-2.38	*	-2.28	*	-2.31	*	-2.03	*	-1.82	+
25.05-01.06	-2.10	*	-1.54		-1.02		-2.63	**	-2.77	**	-2.56	*	-1.61		-1.89	+	-1.33	
02.06-09.06	-1.54		-1.19		-0.63		-2.52	*	-2.17	*	-1.86	+	-1.12		-1.26		-1.19	
10.06-17.06	-1.26		-0.98		-1.33		-1.54		-1.86	+	-2.22	*	-0.42		-0.46		-0.60	
18.06-25.06	-1.05		-0.84		-0.70		0.28		0.21		-0.28		0.70		0.28		-0.18	
26.06-03.07	0.00		0.00		0.18		0.77		0.42		0.11		-0.07		-0.35		-0.07	
04.07-11.07	0.49		0.35		0.77		-0.07		0.00		-0.63		-0.91		-1.47		-1.26	
12.07-19.07	0.21		0.56		0.63		-0.07		-0.42		-0.95		-0.95		-1.54		-1.79	+
20.07-27.07	0.21		0.88		0.74		0.28		-0.21		-0.84		-0.70		-1.12		-1.05	
28.07-04.08	0.49		0.77		0.91		0.98		0.56		0.32		0.00		-0.35		-0.46	
05.08-12.08	1.05		1.33		1.40		0.98		0.56		0.32		0.98		0.00		-0.07	

13.08-20.08	1.33		1.47		0.74		0.84		0.21		-0.07		1.19		0.21		-0.32	
21.08-28.08	0.70		0.98		1.12		1.75	+	0.84		0.89		1.05		0.32		-0.21	
29.08-05.09	1.26		1.26		1.41		1.68	+	1.19		0.84		1.40		0.81		-0.81	
06.09-13.09	1.33		1.30		1.05		2.17	*	1.79	+	1.05		1.58		0.81		0.04	
14.09-21.09	1.54		1.58		1.02		3.57	***	3.29	**	2.44	*	2.03	*	1.12		0.63	
22.09-29.09	1.54		1.72	+	1.00		1.61		1.47		1.19		1.61		1.30		0.42	

*** $\alpha = 0.001$ level of statistical significance, ** $\alpha = 0.01$ level of statistical significance, * $\alpha = 0.05$ level of statistical significance, + $\alpha = 0.1$ level of statistical significance

Figure S1: Agricultural surface (%) affected by drought (moderate, severe and extreme droughts).

Study area	Year	Synthesis	Agricultural surface (ha) affected by drought																									
			89	97	105	113	121	129	137	145	153	161	169	177	185	193	201	209	217	225	233	241	249	257	265			
Baragan	2001		35.83	24.28	1.95	4.66	11.44	16.79	23.43	22.77	24.01	24.58	no data		25.72	34.35	32.22	44.99	53.08	50.95	30.74	38.63	8.26	9.20	14.96			
Oltenia			9.91	2.89	4.92	1.92	4.66	3.358	5.76	37.55	38.55	67.75	no data		11.51	14.15	7.35	20.06	33.43	31.30	24.28	25.08	5.99	9.33	3.83			
Banat			12.75	2.08	0.72	6.92	6.50	8.96	9.00	17.05	22.29	39.44	no data		2.85	2.11	0.49	1.68	2.86	4.58	3.32	5.49	0.31	0.78	0.05			
Romania			31.02	13.96	4.24	5.71	14.44	17.27	22.56	28.89	31.35	42.91	no data		9.14	11.69	11.25	14.02	19.36	23.72	16.11	19.15	6.20	5.39	5.73			
Baragan	2002		70.81	11.34	48.67	20.76	37.08	42.56	58.80	75.93	72.13	66.58	71.76	46.23	57.19	50.22	5.21	0.46	0.13	0.01	0.05	0.41	0.29	0.82	0.41			
Oltenia			72.92	25.27	59.71	52.02	67.50	81.84	88.58	53.43	79.63	78.75	83.34	64.54	66.23	51.87	30.43	1.54	1.11	0.11	0.07	0.21	0.10	0.64	0.89			
Banat			44.98	32.97	30.04	29.45	55.74	39.94	63.25	65.50	58.08	42.92	48.82	43.02	20.72	14.39	4.58	4.03	0.92	0.40	0.65	1.48	4.00	1.41	0.02			
Romania			39.81	13.84	27.16	18.09	42.56	40.08	47.38	45.14	41.41	37.93	50.50	41.54	56.35	44.04	14.28	6.41	3.57	0.90	0.55	1.76	1.49	2.02	0.89			
Baragan	2003		3.01	2.08	77.36	65.45	83.13	86.93	67.38	69.50	37.52	19.39	9.29	14.84	5.73	3.19	3.23	2.40	2.66	3.34	1.46	3.47	0.13	0.28	2.39			
Oltenia			27.81	4.24	32.96	51.77	72.14	70.86	11.37	2.92	0.55	0.71	6.98	10.27	15.26	16.36	9.59	10.14	12.01	24.56	20.31	22.75	2.30	3.97	1.53			
Banat			15.06	18.11	54.03	22.20	50.05	30.44	11.82	23.03	15.67	40.66	36.45	40.42	20.17	19.52	6.10	15.11	27.47	43.86	58.10	40.27	10.41	50.01	12.01			
Romania			16.61	2.80	58.03	36.52	65.62	56.78	36.98	31.14	30.22	33.71	32.31	45.46	22.69	25.61	16.15	10.67	12.60	24.24	27.46	29.19	10.78	22.30	20.51			
Baragan	2004		22.68	9.13	33.66	24.24	46.97	41.84	26.80	23.99	8.68	0.29	0.10	0.49	0.46	0.50	0.30	0.17	0.68	0.25	0.23	0.10	0.57	0.19	0.25			
Oltenia			4.21	1.89	3.36	5.96	10.96	8.476	13.68	23.95	2.23	0.93	0.45	3.57	11.08	9.90	7.24	4.69	3.54	3.03	3.81	2.21	8.55	3.70	5.86			
Banat			1.64	0.02	0.75	1.78	0.99	6.091	5.24	10.74	3.74	1.08	11.45	11.14	17.92	31.19	47.02	1.84	5.11	4.40	1.94	0.95	4.37	1.37	0.19			
Romania			12.58	3.54	21.10	16.61	17.91	17.31	13.07	22.97	14.09	10.94	17.57	17.29	26.01	16.43	16.96	4.89	4.61	1.72	1.72	0.64	2.51	1.70	2.44			
Baragan	2005		5.91	8.82	11.84	7.00	4.23	0.43	2.60	2.19	2.44	1.69	0.28	0.84	0.51	0.65	0.51	0.52	0.14	0.77	0.02	0.07	0.23	0.02	0.03			
Oltenia			16.83	20.39	3.71	8.92	4.36	2.979	1.72	1.45	1.32	1.51	2.40	2.59	0.53	0.50	0.74	1.08	0.47	0.85	0.04	0.08	0.10	0.00	0.01			
Banat			28.04	4.58	0.64	9.03	15.86	7.338	4.71	12.09	11.65	5.85	8.42	5.71	2.77	1.49	2.73	5.64	0.67	0.26	0.02	0.01	0.06	0.02	0.20			
Romania			34.37	23.57	4.07	4.89	8.25	7.97	2.30	4.49	5.85	4.23	3.61	2.74	1.66	1.47	1.14	1.69	1.23	2.34	0.48	0.96	0.65	0.72	0.52			
Baragan	2006		22.94	0.38	1.54	10.87	3.08	11.63	7.00	5.26	3.06	1.36	1.34	3.04	3.71	4.17	5.37	2.68	0.78	3.39	1.55	1.04	2.70	0.63	0.43			
Oltenia			23.09	4.10	7.56	2.33	10.85	4.975	13.83	28.88	4.68	2.72	4.29	2.99	2.25	1.83	2.05	2.86	1.60	1.91	1.44	1.01	1.41	0.78	0.34			
Banat			0.63	8.30	3.47	20.82	3.11	10.43	7.11	5.15	1.79	1.60	0.94	1.03	2.08	1.52	2.87	4.99	2.57	0.81	0.19	0.02	0.69	0.08	0.21			
Romania			8.62	1.20	1.64	9.05	7.46	9.74	6.04	6.26	3.64	2.69	2.26	2.58	2.82	2.62	2.79	4.55	2.54	2.38	1.78	1.25	0.90	1.04	0.64			
Baragan	2007		10.68	51.56	48.94	41.95	28.93	45.79	55.85	61.76	80.94	75.19	77.04	80.37	81.30	84.30	93.29	81.87	39.08	12.02	3.70	0.09	0.29	0.84	5.61			
Oltenia			17.52	68.18	72.82	68.92	51.94	93.99	44.47	40.75	25.23	19.25	37.16	65.34	64.41	80.15	91.50	65.32	17.55	1.15	0.23	0.09	0.04	0.14	0.33			
Banat			9.68	33.90	41.57	33.06	16.18	26.63	8.90	14.26	17.44	14.60	19.72	22.39	8.02	18.41	52.17	58.15	24.01	24.39	22.40	4.35	1.17	7.69	9.15			
Romania			9.08	18.26	46.62	39.37	37.97	42.42	29.75	34.01	35.20	35.59	46.70	54.86	48.58	56.88	76.30	67.83	28.01	17.16	16.99	3.31	1.95	1.93	2.97			
Baragan	2008		0.32	1.54	0.60	0.73	1.24	2.112	4.98	1.32	6.48	11.00	19.21	13.74	40.06	40.05	30.60	28.20	34.15	53.07	44.32	41.40	60.49	1.01	1.95			
Oltenia			4.86	9.38	1.36	3.68	4.13	1.708	6.27	0.61	9.72	6.62	4.31	12.31	15.86	31.94	15.20	9.33	4.03	7.61	7.75	8.52	14.79	1.10	1.07			
Banat			1.15	1.49	5.30	4.88	6.88	5.926	17.49	2.27	7.18	5.66	6.57	8.45	9.42	10.55	5.67	13.02	15.42	40.13	38.22	34.24	65.24	0.00	3.39			
Romania			1.94	2.26	0.97	1.54	2.96	3.54	24.70	1.10	6.05	8.63	6.08	12.84	19.74	25.77	15.26	12.16	12.27	25.38	23.42	24.55	42.77	2.65	4.37			
Baragan	2009		4.38	17.66	12.65	11.93	4.28	3.962	11.41	11.29	38.48	57.09	52.71	23.84	21.62	11.79	22.19	15.80	11.24	20.53	19.87	14.57	1.76	2.45	17.04			
Oltenia			0.51	3.20	1.65	4.14	2.58	7.406	10.79	27.08	33.11	59.39	47.76	7.08	3.59	1.89	1.92	3.62	1.37	1.87	5.72	5.01	2.67	0.59	11.78			
Banat			1.98	24.15	9.04	11.97	11.77	25.5	38.61	40.38	35.08	42.52	19.71	2.89	2.85	3.90	4.06	11.85	5.74	10.47	17.70	20.55	24.95	26.94	67.51			
Romania			4.56	16.81	13.87	13.36	6.64	17.36	28.53	26.27	30.57	37.71	30.48	12.17	9.56	7.10	11.56	12.85	9.13	12.90	17.70	15.85	13.85	13.23	34.28			
Baragan	2010		0.02	0.46	0.23	1.75	2.85	0.484	0.13	0.97	2.35	12.17	3.95	3.42	1.80	1.72	0.63	0.66	0.89	1.65	2.35	0.60	0.63	8.64	15.71			
Oltenia			0.64	0.48	0.16	1.11	0.55	0.829	1.32	2.55	2.47	2.84	0.63	0.84	0.43	0.51	0.22	0.55	0.29	0.88	1.96	0.48	2.06	7.10	7.74			
Banat			1.21	0.10	1.86	5.42	4.44	1.473	3.40	4.47	7.38	11.38	0.99	0.73	1.53	1.32	0.63	1.37	0.92	1.11	2.37	0.68	0.20	0.21	0.75			
Romania			0.35	0.78	0.35	1.95	2.60	1.38	1.58	1.86	3.77	7.20	1.98	2.42	1.94	0.83	0.66	0.82	0.94	1.41	1.84	1.91	1.75	3.22	3.31			
Baragan	2011		0.00	1.10	18.82	13.26	0.50	1.875	21.27	4.70	1.94	0.48	1.15	1.78	3.89	6.80	3.15	4.22	2.50	2.83	1.41	2.90	12.63	16.90	63.31			
Oltenia			0.25	18.15	15.71	10.93	1.69	11.86	3.03	5.94	1.96	0.84	6.34	12.05	9.57	6.22	2.60	1.39	1.33	3.04	5.70	9.06	17.69	21.24	37.48			
Banat			7.90	19.55	20.47	12.52	10.77	24.51	12.32	15.28	12.53	13.44	23.90	15.35	28.20	38.48	6.39	5.28	4.06	4.01	7.33	10.65	19.43	24.48	60.57			
Romania			7.35	4.80	21.04	22.69	3.45	9.16	7.24	7.95	6.78	4.61	10.16	6.36	6.96	9.74	3.26	3.25	1.79	2.87	3.97	7.37	15.02	23.28	45.80			