

STATISTICAL RELEASE

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Environmental statistics

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Protection against damaging water effects, 2016

– Preliminary results –

The data represent the preliminary results of the annual survey referring to protection against flood and river control, land drainage, land erosion control and torrent regulation in 2016.

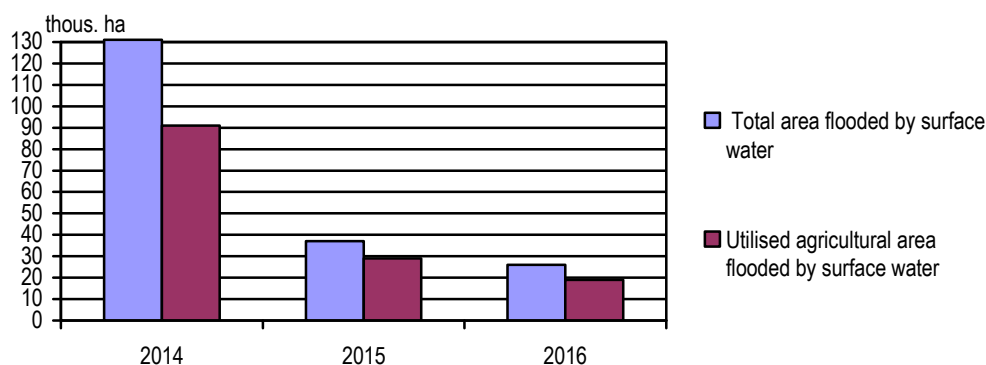
Starting from 1999 the Statistical Office of the Republic of Serbia has not at disposal and may not provide available certain data relative to AP Kosovo and Metohia and therefore these data are not included in the coverage for the Republic of Serbia (total).

Area flooded by surface waters was 25 927 hectares, of which 72.7% referred to utilised agricultural land.

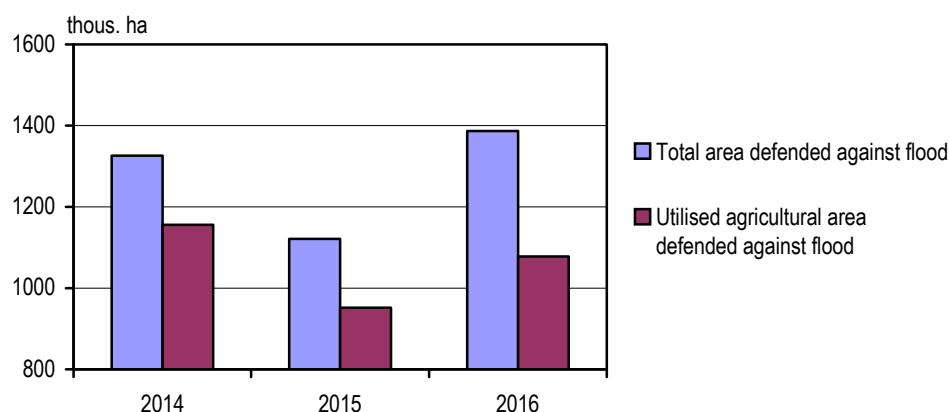
The total area defended from flooding amounted to 1 386 712 hectares, presenting the increase of 23.6%, compared to 2015. Utilised agricultural land represented 77.7% of the area defended from flooding, showing the increase of 13.2%, compared to 2015.

System of drainage area decreased by 0.9% relative to 2015, while the length of drainage canals was by 13.8% longer than the referent values in the previous year.

Graph 1. Total and utilised agricultural areas flooded by surface waters in the Republic of Serbia, 2014–2016



Graph 2.Total and utilised agricultural areas defended against flood in the Republic of Serbia, 2014–2016



1. Protection against damaging water effects, 2016 by Regions

	Republic of Serbia				
	Total	Beogradski region	Vojvodina	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije
Areas and facilities flooded by surface water					
Total flooded area, ha	25 927	2 295	-	22 320	1 312
Utilised agricultural area, ha	18 850	918	-	16 785	1 147
Settlements, number	209	-	-	146	63
Buildings, number	5 783	-	-	5 635	148
Industrial facilities, number	37	-	-	37	-
Other industrial facilities, number	154	-	-	147	7
Railway lines, km	31	-	-	31	-
Roads, km	580	-	-	536	44
Areas and facilities flooded by ground water					
Total flooded area, ha	337	-	-	225	112
Utilised agricultural area, ha	310	-	-	210	100
Settlements, number	36	-	-	36	-
Buildings, number	344	-	-	339	5
Industrial facilities, number	27	-	-	27	-
Other industrial facilities, number	110	-	-	110	-
Railway lines, km	12	-	-	12	-
Roads, km	13	-	-	13	-
Areas and facilities protected against floods					
Total area protected against floods, ha	1 386 712	60 315	828 389	229 878	268 130
Utilised agricultural area, ha	1 077 760	52 029	632 900	150 757	242 074
Settlements, number	648	37	182	251	178
Industrial facilities, number	728	11	248	360	109
Other industrial facilities, number	13 893	120	703	10 532	2 538
Railway lines, km	673	46	333	161	133
Roads, km	2 337	120	1 049	595	573
Total length of embankment, km	4 104	576	1 233	1 729	566
Drainage					
Total area covered by drainage system, ha	2 358 317	348 407	1 699 354	222 805	87 751
Utilised agricultural area covered by drainage system, ha	1 786 994	71 903	1 476 118	153 582	85 391
Drainage canals, km	7 998	1 062	5 196	1 024	716
Pumping stations, number	246	31	152	32	31
Land erosion					
Eroded land, km ²	3 588	1 400	-	193	1 995
Reclaimed land, km ²	1 042	-	-	46	996

2. Floods and protection against damaging water effects, 2014–2016

Republic of Serbia

	2014	2015	2016
Areas and facilities flooded by surface water			
Total flooded area, ha	130 837	36 752	25 927
Utilised agricultural area, ha	91 382	28 730	18 850
Settlements, number	1 136	239	209
Industrial facilities, number	296	117	37
Railway lines, km	52	37	31
Roads, km	2 314	710	580
Areas and facilities flooded by ground water			
Total flooded area, ha	15 157	5 399	337
Utilised agricultural area, ha	12 867	4 158	310
Settlements, number	80	58	36
Industrial facilities, number	19	47	27
Railway lines, km	-	1	12
Roads, km	28	37	13
Areas and facilities protected against floods			
Total area protected against floods, ha	1 326 167	1 121 492	1 386 712
Utilised agricultural area, ha	1 156 517	951 896	1 077 760
Settlements, number	833	634	648
Industrial facilities, number	666	1 061	728
Railway lines, km	631	745	673
Roads, km	4 118	3 474	2 337
Total length of embankments, km	3 242	3 065	4 104
Drainage			
Total area covered by drainage system, ha	2 395 519	2 378 651	2 358 317
Utilised agricultural area covered by drainage system, ha	1 816 375	1 703 496	1 786 994
Drainage canals, km	5 692	7 030	7 998
Pumping stations, number	3 762	201	246
Land erosion			
Eroded land, km ²	9 444	4 776	3 588
Reclaimed land, km ²	811	686	1 042

Methodological explanations on protection against damaging water effects can be found on the SORS website: <http://webzrs.stat.gov.rs/WebSite/Public/PageView.aspx?pKey=201>.

Data series on protection against damaging water effects are available as a part of the SORS publications: <http://webzrs.stat.gov.rs/WebSite/Public/PageView.aspx?pKey=200>.