Summer season of the 2012 was the driest and the warmest in Srpska, since the 1960 to present, and among the five driest in the past 130 years (less amount of rainfall is recorded during the 1950, 1946, 1933, 1952 years).

Mean air temperature were significantly above normal (around +4°C in average, relating to 1961-1990, +3°C relating to 1981-2010*). It is predicted, with 60% probability, above normal summer temperature, according to the probabilistic consensus forecast for tercile categories of anomalies relative to the period 1961-1990 (figure 1).

The summer air temperature of the 66.67 th percentile compared to summer 2012 (°C/JJA													
ref. Period /	Бања Лука	Бијељина	Билећа	Добој	Приједор	Соколац							
Station	Banja Luka	Bijeljina	Bileća	Doboj	Prijedor	Sokolac							
1961-1990	20.0	20.2	20.7	19.7	20.2	15.5							
1971-2000	20.6	20.9	20.9	20.3	21.1	16.0							
1981-2010	21.5	21.8	21.6	21.0	21.8	16.9							
1960-2011	20.8	21.2	21.4	20.5	21.1	16.3							
summer 2012	24.2	24.9	24.0	23.7	23.9	19.6							

Figure 1: Verification of Mean Temperature (°C) outlook for the summer season 2012 in The Republika Srpska, Bosnia and Herzegovina

The heat waves are registered in most of the places from 15^{th} to 25^{th} June, 28 June - 15 July, 25 July - 10 August, 14 - 26 and 26-31 August. July 2012 was the warmest July in the past 50 years, especially in Bijeljina, where the mean temperature was for 3.9° C higher than the normal value related to 1981-2012. The hottest days in August were 6^{th} , 22^{th} and 24^{th} , when it were exceeded the absolute thirty-year daily maximum of air temperatures in the most places

The summer amount of rainfall in Srpska were significantly below long term means (prognostic probabilities were 40% for "below normal", 35% for "normal"), figure 2.

In June 2012, in average had oocured a rainfall deficit of -66%, July -26%, August -94%.

^{*(}For the referent period 1981-2010 there are more stations with T_{mean} data than it is shown in this table)

Since June is the wettest month over the year, in the greater part of the territory (except for the southern regions where is November the wettest), climate variations resulting in September as the primary maximum during the last decade in the most places.

The summer precipitation of the 33.333 th percentile compared to summer of the 2012 (mm/JJA										
ref. Period/ Station	Бања Лука Вапја Luka	Бијељина Bijeljina	Билећа Bileća	Гацко Gack o	Добој Довој	Нови Град Novi Grad	Приједор Prijedor	Соколац Sokolac	Требиње Trebinje	Чемерно Сетегно
1961-1990	79	191	184	192	215	215	228	188	177	226
1971-2000	78	220	145	172	233	210	208	192	138	188
1981-2010	74	216	144	158	215	201	198	198	133	172
1960-2011	74	192	151	164	215	215	212	192	139	194
summer 2012	42	80	43	44	104	155	100	90	79	91

Figure 2: Verification of Precipitation (mm/JJA) outlook for the summer season 2012 in The Republika Srpska, Bosnia and Herzegovina

Bearing in mind the extremely warm and dry summer 2012 (the average precipitation deficit of 60 %), significantly increased evaporation, these weather conditions caused by anticyclone activity, adversely badly affected the agricultural conditions and water resources, as well as the frequent fires a larger scale. This drought is a serious problem, especially in Bijeljina, (the eastern part of RS) because in the 2011 has occured absolute annual minimum of precipitation in Srpska.

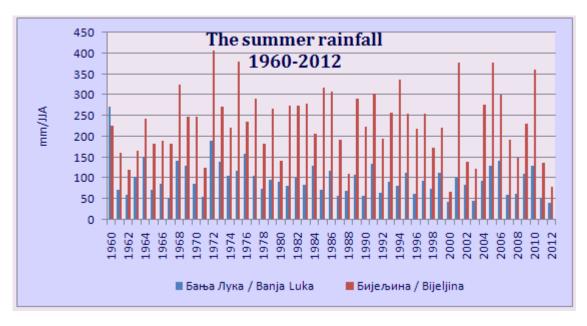


Figure 3: The historical data set of the amount of rainfall during summer season in Banja Luka and Bijeljina

