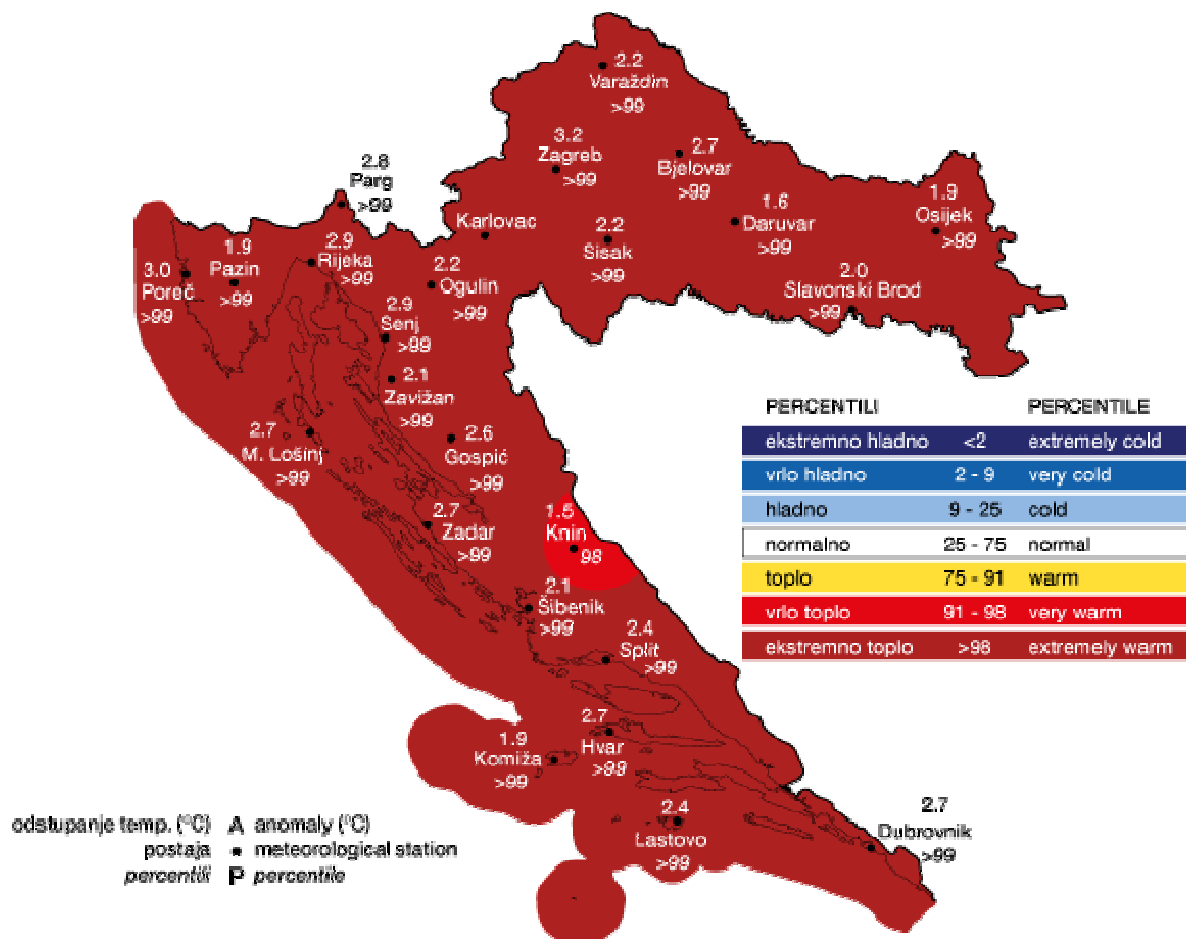


Climate Report for Croatia for Summer 2018

Air temperature anomalies for Croatia in summer 2018

Average seasonal air temperature for summer 2018 were above the multi-annual average (1961 – 1990) at the all analyzed stations. Corresponding air temperature anomalies for summer (June, July, August) 2018 were within a 1.5 °C - 3.2 °C range.

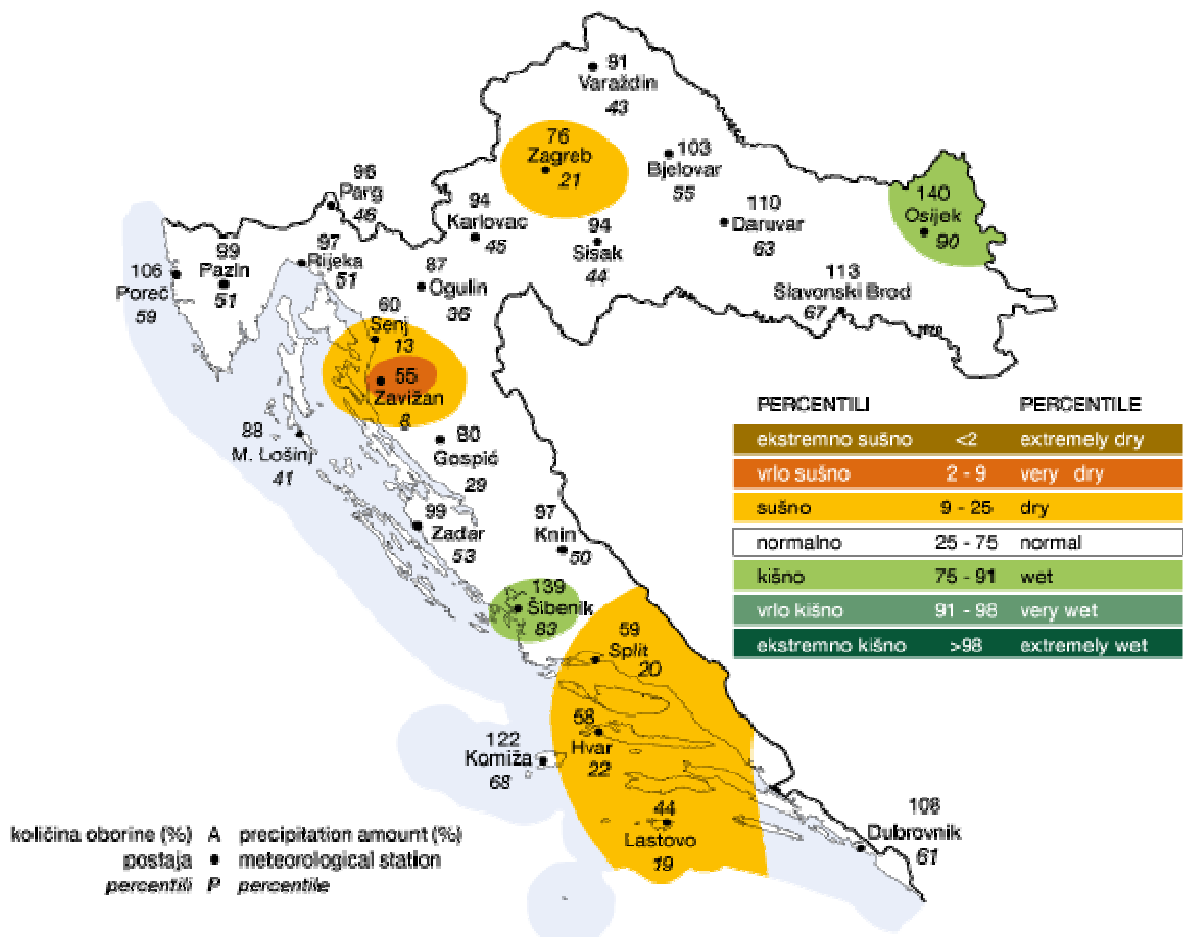
According to percentile ranks and classification ratings, thermal conditions in Croatia in summer 2018 dominantly fall into the **extremely warm** category while the wider area of the town of Knin falls into the **very warm** category.



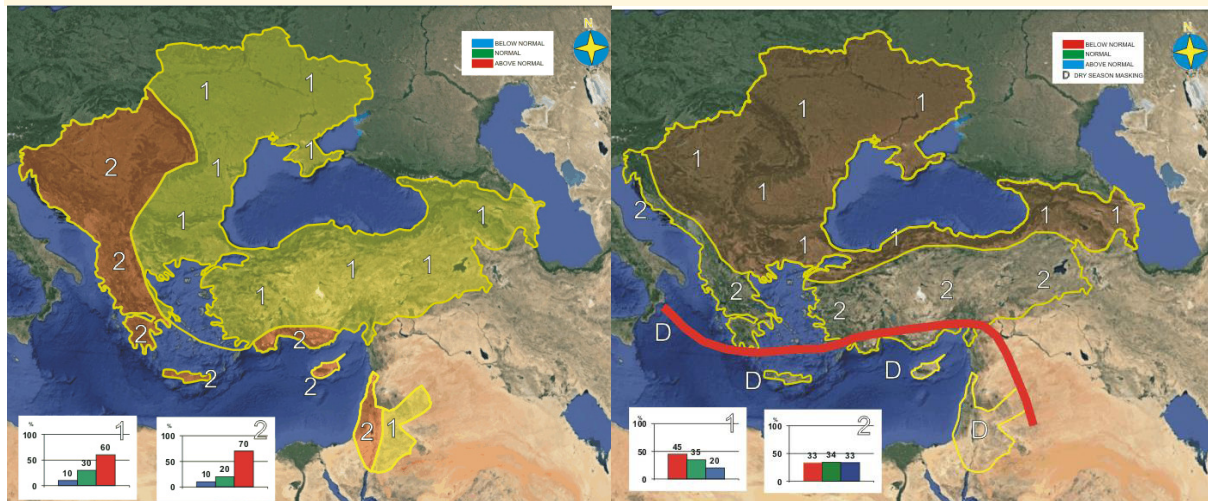
Precipitation amounts for Croatia in summer 2018

An analysis of precipitation amounts for summer 2018 given in percentages (%) of 1961 – 1990 average, shows that these precipitation amounts in Croatia were mainly below the average. Corresponding precipitation amounts for summer 2018 were within the range of 44 % - 140 % of the multi-annual average for this season.

According to percentile ranks and classification ratings, precipitation amounts for summer 2018 have been described by the following categories: **wet** (the wider areas of the towns of Osijek and Šibenik), **dry** (the wider area of the city of Zagreb as well as part of the Northern, Middle and Southern Adriatic) and **normal** (the rest of Croatia).



SEECOF-19 CLIMATE OUTLOOK VALIDATION



Graphical presentation of the 2018 summer temperature (left) and precipitation (right) outlook.

Air temperature anomalies for Croatia in summer 2018

According to the SEECOF-19 climate outlook, for all Croatian territory, there were chance for above normal summer temperatures. Probability for exceeding the average summer season temperature was 70%.

The summer season in Croatia according to multi-annual average 1961-1990. was for the whole territory above normal (within the range from 1.5 °C - 3.2 °C). In relation to the multi-annual average 1981- 2010, the warmer anomaly is a slightly lower, within the range from 1.1 ° to 2.0 °C (for the 5 biggest SYNOP stations in Croatia (Zagreb, Osijek, Gospić, Rijeka and Split).

We can conclude that the outlook for the summer 2018 according the temperature was very good.

Precipitation amounts for Croatia in summer 2018

According to the SEECOF-19 climate outlook, summer precipitation sum in the northern part of Croatia was forecasted below-average with probability of 45%, normal with probability of 35% and above-average with probability of 20%. Along the Adriatic coast and in the area close to it had no preference for any climate defined categories, with an equal probability of all three terciles.

The actual precipitation amounts were mainly below the average.

According to percentile ranks and classification ratings the categorie dry were in the wider area of the city of Zagreb, part of the Northern, Middle and Southern Adriatic and their hinterland. The rest of Croatia were in the categorie normal and just two small areas (towns Osijek and Šibenik) were in categorie wet.

We can conclude that the outlook for the summer 2018 according the precipitation was satisfactory.

Country	Seasonal temperature (JJA)		Seasonal precipitation (JJA)		High Impact Events
	Observed	SEECOF-19 climate outlook for temperature	Observed	SEECOF-19 climate outlook for precipitation	
Croatia	Above normal	Above normal (10,20,70)	<p>Below normal (the wider areas of the city of Zagreb, part of the Northern, Middle and Southern Adriatic and their hinterland)</p> <p>Above normal (the wider areas of the towns of Osijek and Šibenik)</p>	<p>Below normal (45,35,25) the Northern part of Croatia</p> <p>No predictive signal (33,34,33) Along the Adriatic coast and in the area close to it</p>	<p>Summer 2018 was extremely warm in the whole country.</p> <p>Two heat waves were observed during summer – both in August, but there was no temperature records observed.</p> <p>In all three months convective related severe weather phenomena (thunderstorms, hail, heavy rains, flash floods, waterspouts) were observed mostly all over Croatia.</p>