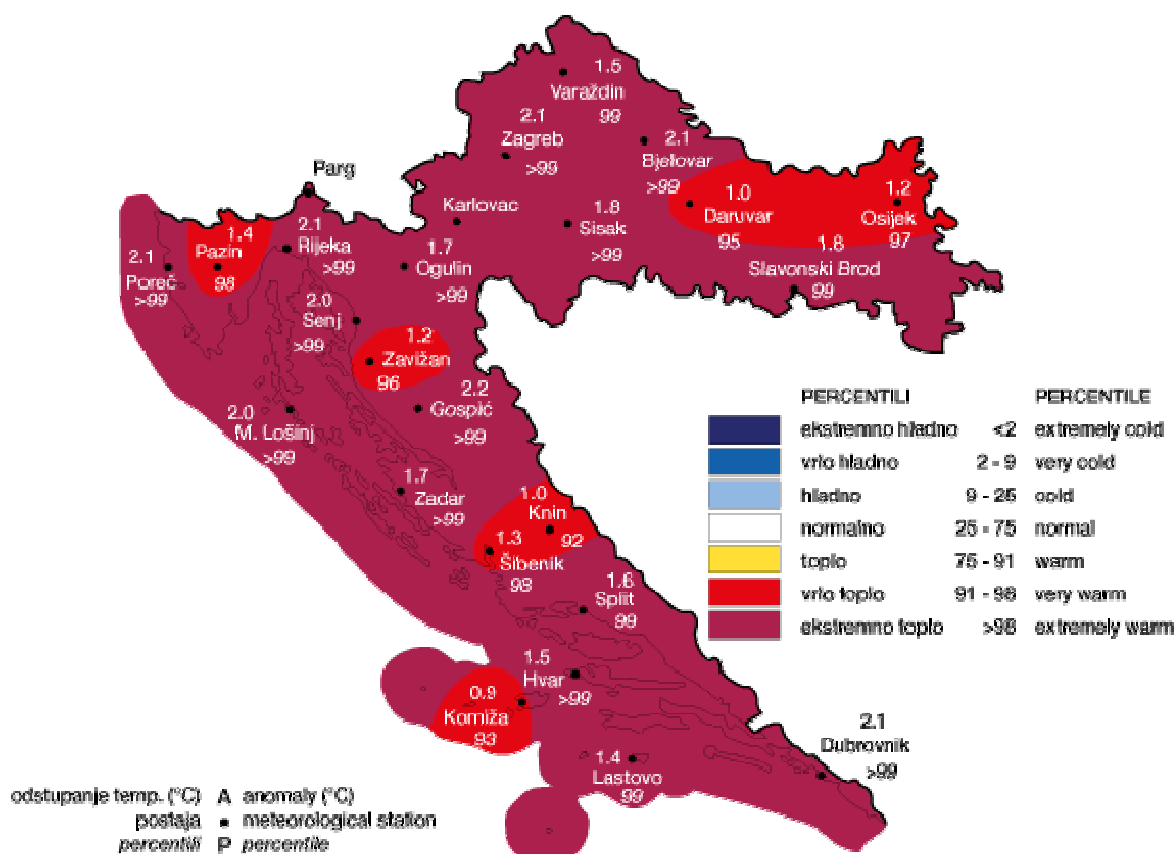


Climate Report for Croatia for Summer 2016

Air temperature anomalies for Croatia in summer 2016

Average air temperature on seasonal scale (summer) throughout Croatia were above the multi-annual average (1961 - 1990). Corresponding air temperature anomalies for summer (June, July, August) 2016 were within the range from 0.9°C to 2.2°C.

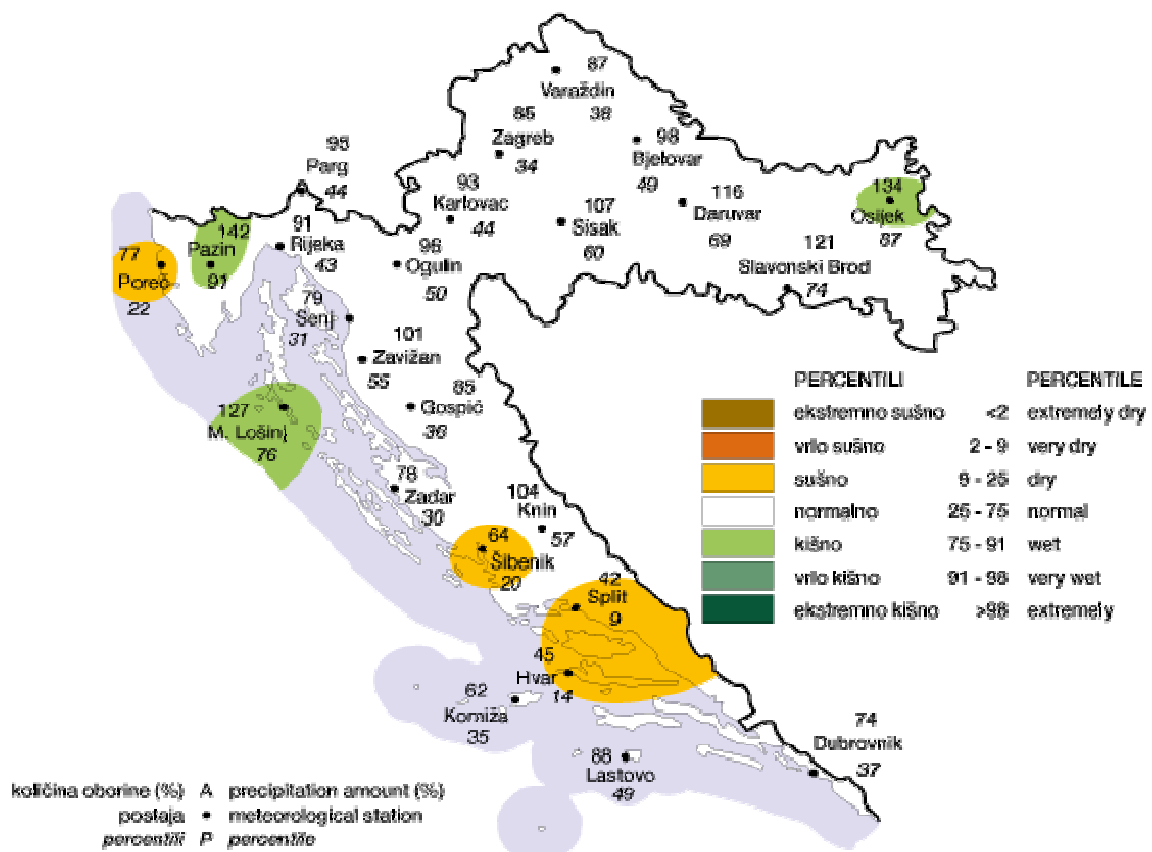
According to percentile ranks and classification ratings, thermal conditions in Croatia for summer 2016 have been described by the following categories: **very warm** (wider area of Pazin, Zavižan, Knin and Šibenik, part of the Southern Adriatic as well as part of Eastern Croatia) and **extremely warm** (the remaining part of Croatia).



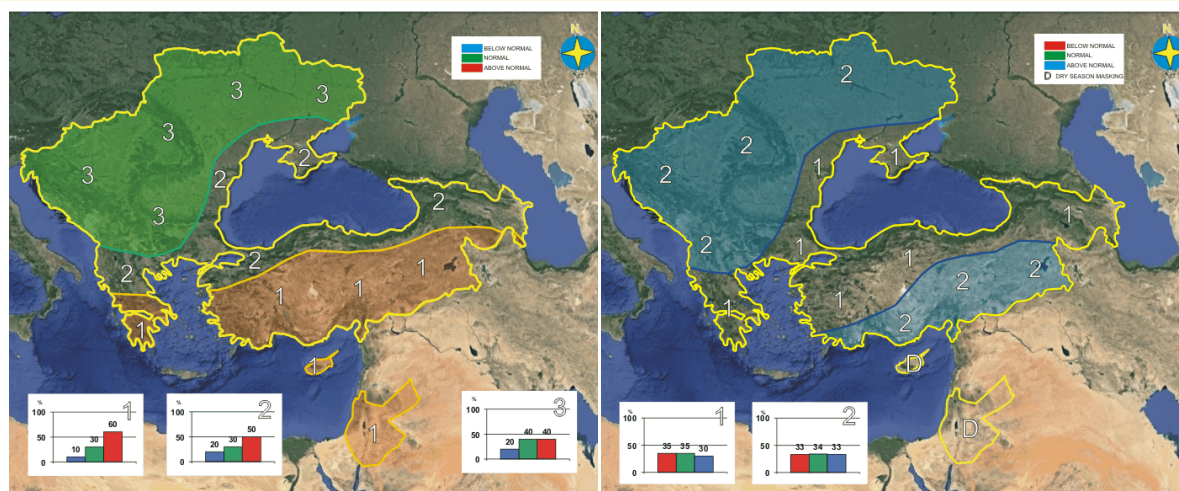
Precipitation amounts for Croatia in summer 2016

An analysis of precipitation amounts for summer 2016 given in percentages (%) of 1961 - 1990 average, shows that these precipitation amounts in Croatia were mainly below the average. Corresponding precipitation amounts for summer 2016 were within the range from 42% to 142% of multi-annual average for this season.

According to percentile ranks and classification ratings, precipitation amounts for summer 2016 have been described by the following categories: **dry** (wider area of Poreč as well as part of the Middle and Southern Adriatic), **wet** (wider area of Osijek, Pazin and Mali Lošinj) and **normal** (the remaining part of Croatia).



SEECOF-15 CLIMATE OUTLOOK VALIDATION



Graphical presentation of the 2016 summer temperature (left) and precipitation (right) outlook.

Air temperature anomalies for Croatia in summer 2016

According to the SEECOF-15 climate outlook, for all Croatian territory, there were chance for above- or near-normal summer temperatures. Probability for exceeding the average summer season temperature was 40%.

The summer season in Croatia according to multi-annual average 1961-1990 was for the whole territory above normal (within the range from 0.9°C to 2.2°C). In relation to the multi-annual average 1981- 2010, the warmer anomaly is a slightly lower, within the range from 0.4 ° to 1.1°C for the 5 biggest SYNOP stations in Croatia (Zagreb, Osijek, Gospić, Rijeka and Split). We can conclude that the outlook was satisfactory.

Precipitation amounts for Croatia in summer 2016

According to the SEECOF-15 climate outlook, the precipitation all over Croatia had no preference for any climate defined categories, with an equal probability of all three terciles.

The actual precipitation amounts were mainly below normal in most part of the country (with slightly lower amounts considering thirty-year average 1961-1990., but according to percentile ranks and classification ratings the categorie was normal). Wider area of Poreč,

Šibenik, Split and islad Hvar had lack of precipitation, while in wider area of Osijek, Pazin and Mali Lošinj actual precipitation amounts were exceeded.

It is difficult to say if the outlook was satisfying because for the summer 2016 outlook indicated approximately equal probabilities for below-, near- or above- normal conditions in whole Croatia, and as we can see all three categories appeared.

Country	Seasonal temperature (JJA)		Seasonal precipitation (JJA)		High Impact Events
	Observed	SEECOF-15 climate outlook for temperature	Observed	SEECOF-15 climate outlook for precipitation	
Croatia	Above normal	Above or near normal (20,40,40)	<p>Above normal (wider area of Osijek, Pazin and island Mali Lošinj)</p> <p>Normal (in the most of the country)</p> <p>Below normal (wider area of Poreč, Šibenik, Split and islad Hvar)</p>	<p>No predictive signal (33,34,33)</p>	<p>Summer 2016 was extremely warm in the most of the country.</p> <p>Two heat waves were observed during summer. The first one was from 23 to 26 June, and the second from 10 to 14 July, but none of them was long lasting and intense like in summer 2015.</p> <p>In all three months convective related severe weather phenomena (thunderstorms, hail, heavy rains, flash floods, waterspouts) were observed mostly all over Croatia. There were more common in June and August.</p> <p>In June absolute daily maxima of precipitation was exceeded in Ploče, south Adriatic (160 mm, measurement from 1978.) and in Pazin, Istra (74 mm, measurement from 1961.). In August absolute daily maxima was exceeded in Mali</p>

					Lošinj, north Adriatic (96,2 mm, measurement from 1961.).