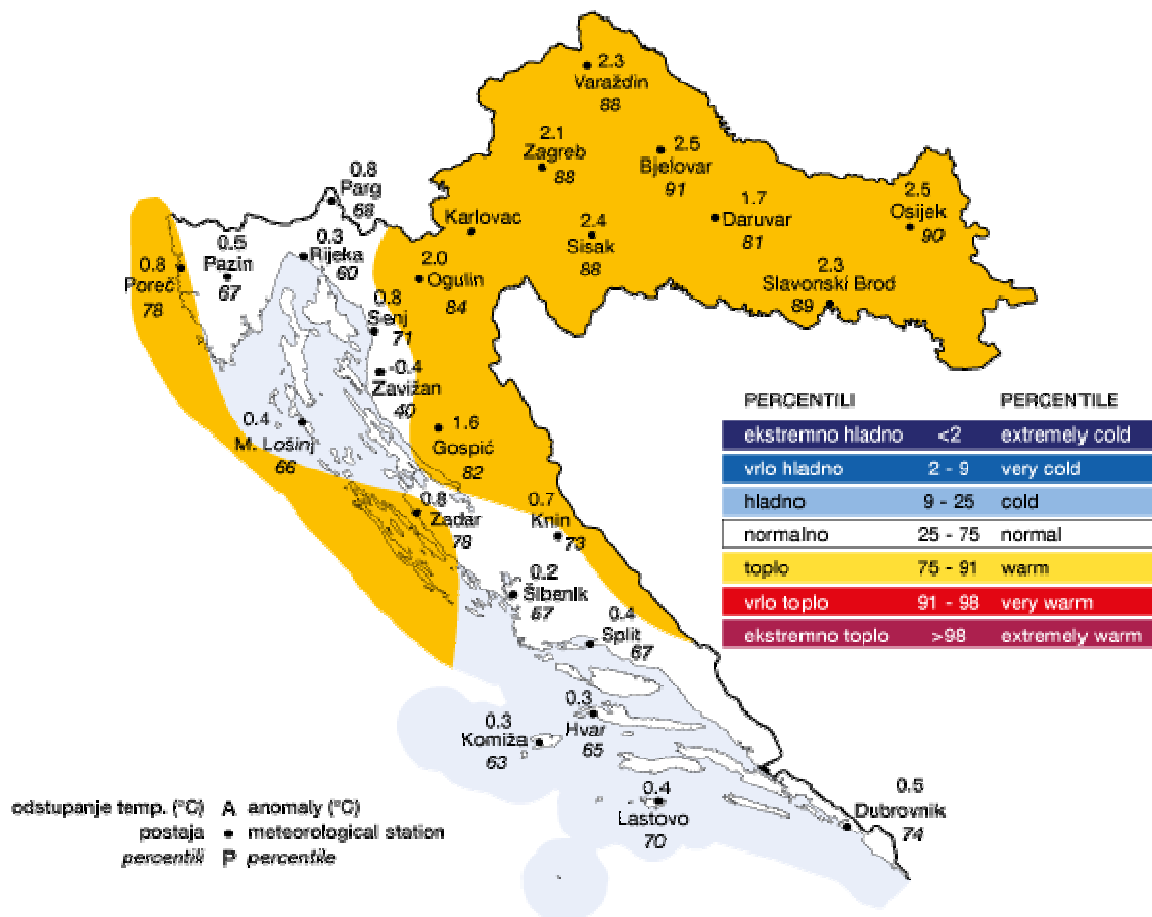


Climate Report for Croatia for winter 2017/2018

► Air temperature anomalies for Croatia in winter 2017/2018

The average winter air temperature (December 2017, January 2018, February 2018) in Croatia was above the multi-annual average (1961 - 1990) with the exception of Zavižan where it was slightly below the average. Corresponding air temperature anomalies for winter 2017/2018 were within the range from -0.4°C to 2.5°C .

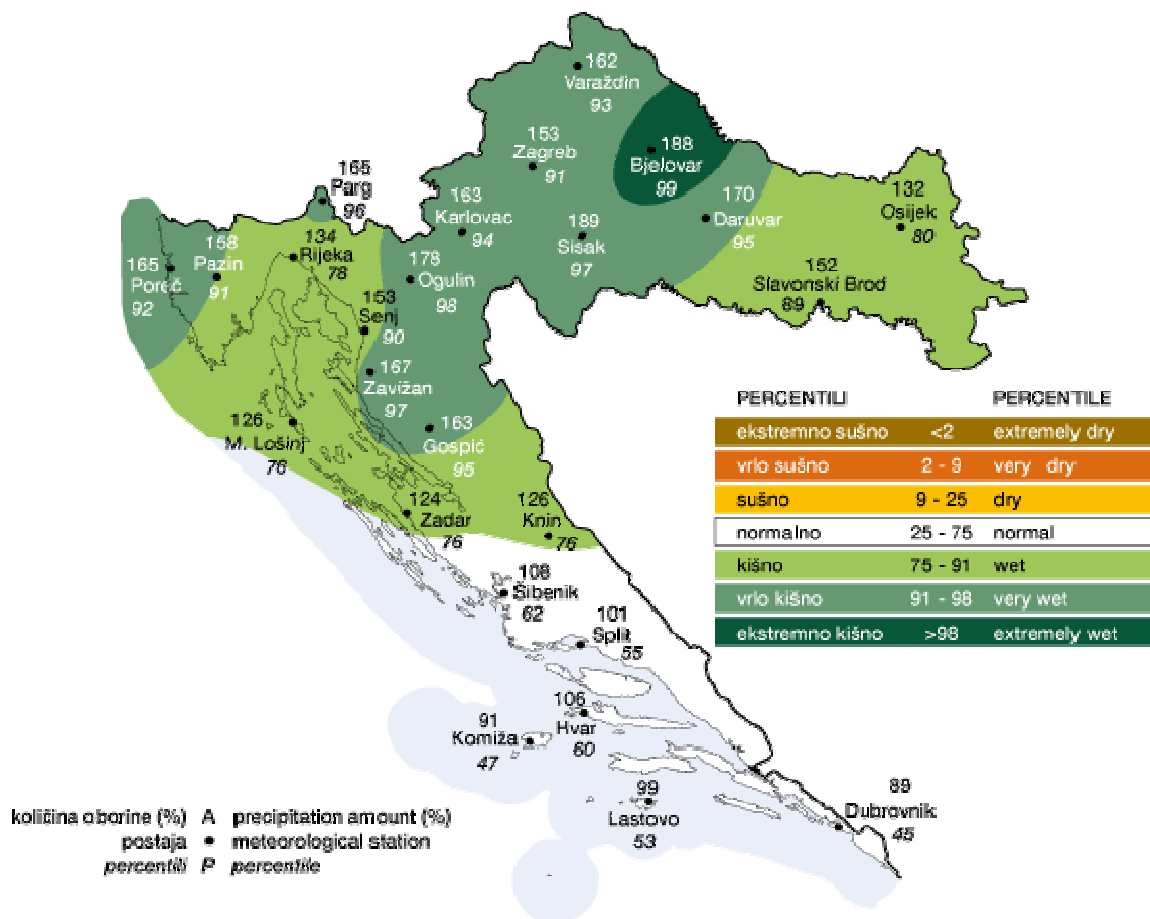
According to percentile ranks and classification ratings, thermal conditions in Croatia for winter 2017/2018 described by the following categories: **normal** (Southern Adriatic and part of the Northern and Middle Adriatic) and **warm** (the rest of Croatia).



► Precipitation amounts for Croatia in winter 2017/2018

An analysis of the precipitation amounts for winter 2017/2018 expressed as percentages (%) of 1961 - 1990 average, shows that these precipitation amounts were mainly above the average. Corresponding precipitation amounts for winter 2017/2018 were within the range from 89% to 189% of multi-annual average for this season.

According to percentile ranks and classification ratings, the precipitation amounts for winter 2017/2018 have been described by the following categories: **extremely wet** (the wider area of the town of Bjelovar), **very wet** (the wider area of Poreč and Parg and part of Northern and Central Croatia), **wet** (Eastern Croatia and part of the Northern and Middle Adriatic and their hinterland) and **normal** (the rest of Croatia).



SEECOF-18 CLIMATE OUTLOOK VALIDATION

- **Air temperature anomalies for Croatia in winter 2017/2018**

According to the SEECOF-18 climate outlook, for whole Croatia there were chance for warmer than normal winter season. Probability for exceeding the average winter season temperature was 50% (probability for near normal was 30 % and for below normal was 20 %).

The winter season in Croatia according to percentile ranks and classification ratings (multi-annual average 1961-1990) was normal on most of the coast and hinterland and warm in the rest of the country (anomalies range is from 0,2 to 2,5 °C) .

In relation to the multi-annual average 1981-2010, anomalies range is slightly lower, from 0,1 to 2,0 °C for the 5 biggest stations in Croatia (Zagreb, Osijek, Gospić, Rijeka and Split).

We can conclude that the outlook was correct.

- **Precipitation amounts for Croatia in winter 2017/2018**

According to the SEECOF-18 climate outlook, the precipitation in the most of the country had no preference for any climate defined categories, with an equal probability of all three terciles. In the far northwest of Croatia (Međimurje i Hrvatsko zagorje) precipitation was forecasted to be above average (probability for above normal was 40%, near and below normal 30%) and the drier-than-normal conditions was forecasted along coastal part of Dalmatia (probability for below normal was 40%, near normal 35 % and above normal 25%).

The actual precipitation amounts were mainly above the average (1961-1990) in the most of the country, except in Dalmatia, where was in the category normal. Taking into account that the newer climatology 1981-2010 is generally similar or little bit drier than the older one, we noticed that the excess of precipitation is more pronounced.

We can conclude that outlook for precipitation was satisfying, maybe not in the absolute values (forecast), but regard to the distribution of precipitation (above normal in the far northwest of Croatia and the drier-than-normal conditions along coastal part of Dalmatia).

Country	Seasonal temperature (DJF)		Seasonal precipitation (DJF)		High Impact Events
	Observed	SEECOF-18 climate outlook for temperature	Observed	SEECOF-18 climate outlook for precipitation	
Croatia	<p>Normal (Southern Adriatic and part of the Northern and Middle Adriatic)</p> <p>Above normal (the rest of Croatia)</p>	Above normal (50,30,20)	<p>Normal (Dalmatia and hinterland)</p> <p>Above normal (in the remaining part of Croatia)</p>	<p>Above normal (in the far northwest part of Croatia) (40,30,30)</p> <p>Below normal (along coastal part of Dalmatia) (25,35,40)</p> <p>No predictive signal (in the rest of Croatia) (33,34,33)</p>	<p>December 2017 was warmer than normal. The amount of precipitation in the most part of the country was above normal. There was not high impact weather recorded.</p> <p>January 2018 was warmer than normal. According to percentile ranks and classification ratings, thermal conditions in Croatia for January 2018 fall under the category warm, very warm and extremely warm. There was not high impact weather recorded.</p> <p>February 2018 was colder than normal in the whole country. The absolute minimum temperature (-6,4°C) was measured in Zadar (measurement from 1961) on 28 February. The cold spell was recorded in the last few days of the month (from 25th). From 26th the minimum temperature in the most part of the interior was below -10°C, and on 27th and 28th at the coast below 0°C. The absolute maximum snow cover was recorded (on 27th) in Delnice, Gorski kotar (measurement from 1981.) – 182 cm, Plitvička Jezera (measurement from 1999.) –</p>

					147 cm and Ogulin (measurement from 1949.) – 118 cm. In the mountain part of Croatia traffic was interrupted due to snow cover and some parts was completely cut off from the rest of the country for a several days.