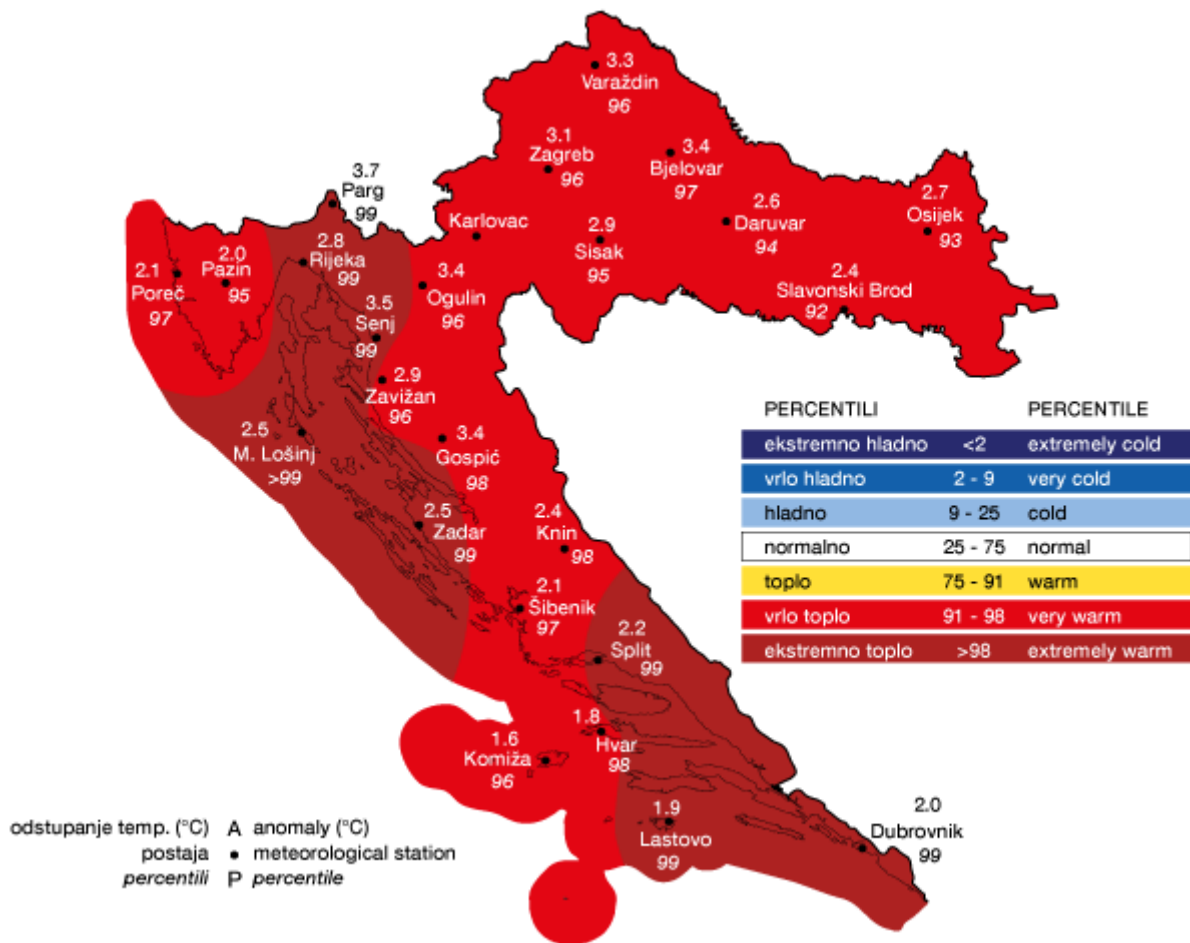


Climate Report for Croatia for Winter 2019/2020

Air temperature anomalies for Croatia in Winter 2019/2020

The average winter air temperature (December 2019, January 2020, February 2020) throughout Croatia was above the multi-annual average (1981 - 2010). Corresponding air temperature anomalies for winter 2019/2020 were within the range from 1.6 °C to 3.7 °C.

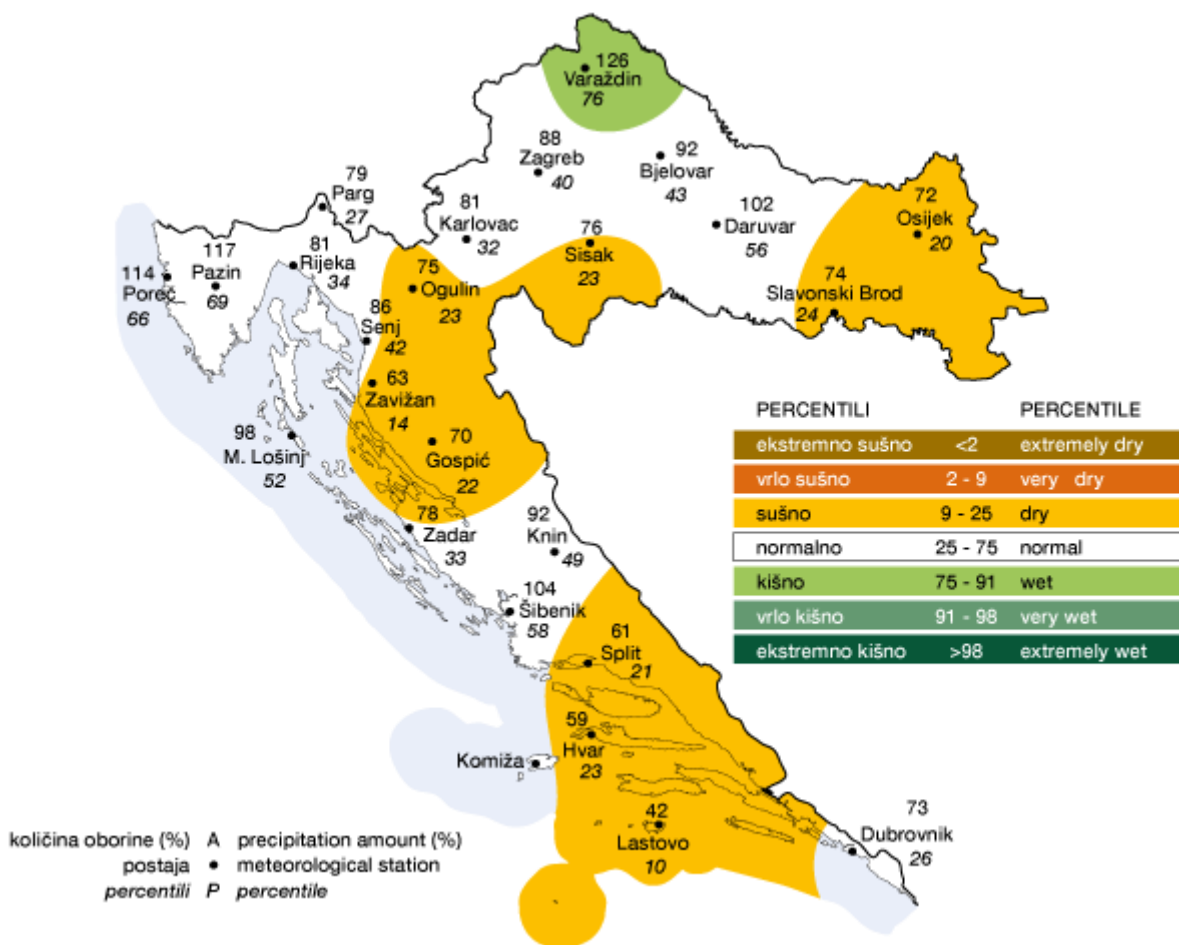
According to percentile ranks and classification ratings, thermal conditions in Croatia for winter 2019/2020 have been described by the following categories: **extremely warm** (part of the Northern, Middle and Southern Adriatic and their hinterland) and **very warm** (the rest of Croatia).



Precipitation amounts for Croatia in Winter 2019/2020

An analysis of the precipitation amounts for winter 2019/2020 expressed as percentages (%) of 1981 - 2010 average, shows that these precipitation amounts were mainly below the average. Corresponding precipitation amounts for winter 2019/2020 were within the range of 42 % - 126 % of the multi-annual average for this season.

According to percentile ranks and classification ratings, the precipitation amounts for winter 2019/2020 have been described by the following categories: **dry** (Eastern Croatia, the wider areas of the towns of Sisak and Ogulin, Lika region as well as part of the Northern and Middle Adriatic and their hinterland), **wet** (the wider area of the town of Varaždin) and **normal** (the rest of Croatia).



SEECOF-22 CLIMATE OUTLOOK VALIDATION

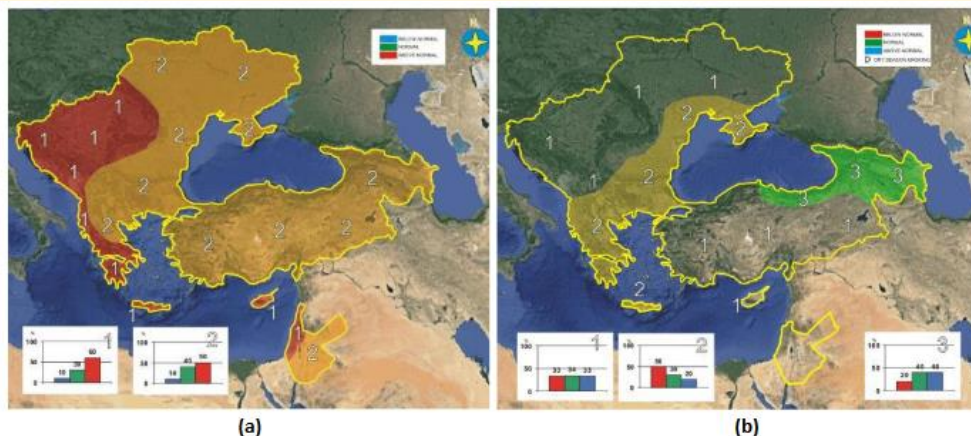


Figure 1: Graphical presentation of the climate outlook for the 2019-20 winter season for the SEECOF region
(a) Temperature Outlook, (b) Precipitation Outlook

Air temperature anomalies for Croatia in Winter 2019/2020

According to the SEECOF-22 climate outlook, for all Croatian territory, winter temperature was expected to be likely above normal. Probability for exceeding the average summer season temperature was 60%.

The summer season in Croatia according to multi-annual average 1981-2010. was for the whole territory above normal (within the range from 1.6 °C - 3.7 °C).

We can conclude that the outlook for the Winter 2019/2020 according the temperature was correct.

Precipitation amounts for Croatia in Winter 2019/2020

According to the SEECOF-22 climate outlook, winter precipitation sum in the whole Croatia had no privileged scenario, which means that climatology (middle tercile) had to be taken as the most likely result.

The actual precipitation amounts were mainly below or around the average. Only in the northern part of Croatia (wider area of the town of Varaždin) the precipitation amounts were above average.

We can conclude that the outlook for the Winter 2019/2020 according the precipitation was correct in some parts of Croatia.

Country	Seasonal temperature (DJF)		Seasonal precipitation (DJF)		High Impact Events
	Observed	SEECOF-22 climate outlook for temperature	Observed	SEECOF-22 climate outlook for precipitation	
Croatia	Above normal	Above normal (10,30,60)	<p>Below normal</p> <p>(Eastern Croatia, the wider areas of the towns of Sisak and Ogulin, Lika region, part of the Northern and Middle Adriatic and their hinterland)</p> <p>Above normal</p> <p>(the wider areas of the town of Varaždin)</p>	No predictive signal (33,34,33)	<p>Winter 2019/2020 – a few episodes (in December and February) with hurricane strong bora wind (NE wind along the Adriatic coast) was recorded. Sea and road traffic between continental part and Adriatic coast were completely interrupted. The measured wind gusts along the coast, on the Pag and Maslenica bridge on February 5th was around 200 km/h. On the same day very windy was also in the continental part of Croatia. There was a lot of damage on the roofs in Zagreb, the capital of Croatia, and the fallen trees made damages on cars.</p>