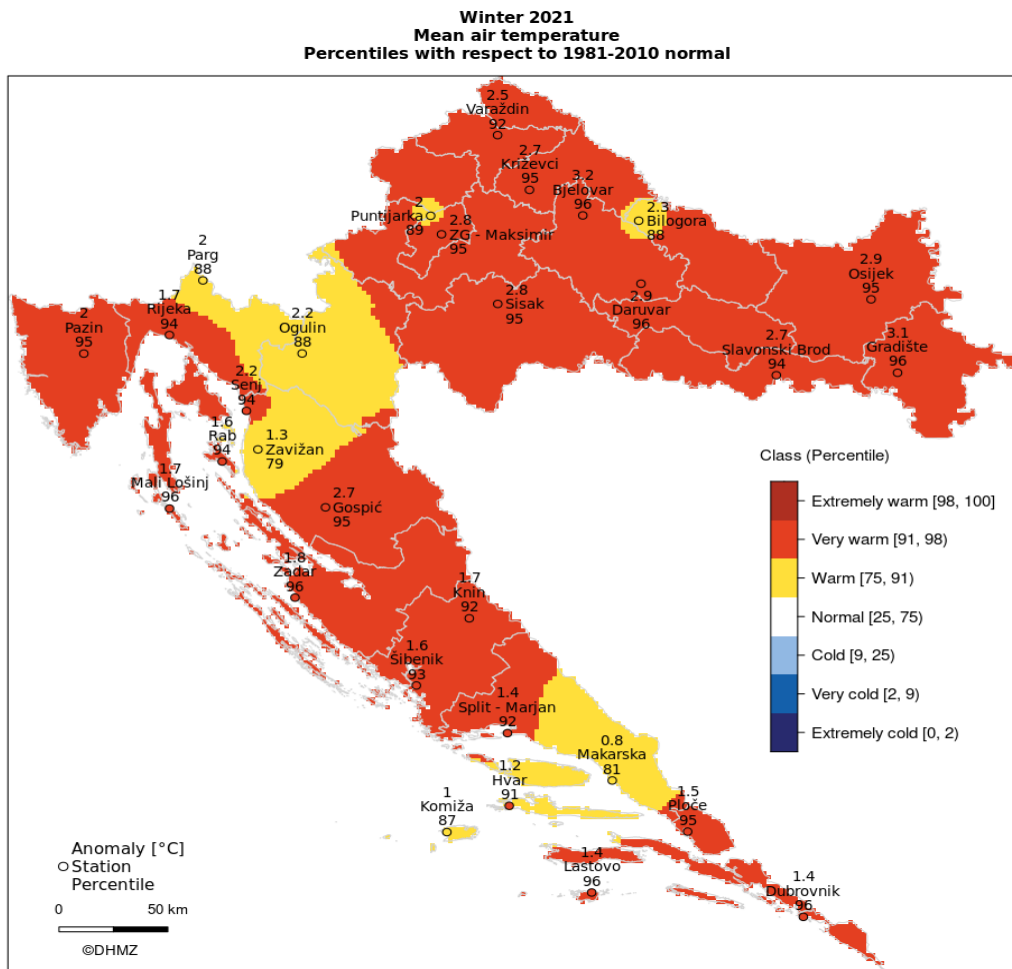


Climate Report for Croatia for Winter 2020/2021

Air temperature anomalies for Croatia in Winter 2020/2021

The average winter air temperature (December 2020, January 2021, February 2021) throughout Croatia was above the multi-annual average (1981 - 2010). Corresponding air temperature anomalies for winter 2020/2021 were within the range from 0.8 °C (Makarska) to 3.2 °C (Bjelovar).

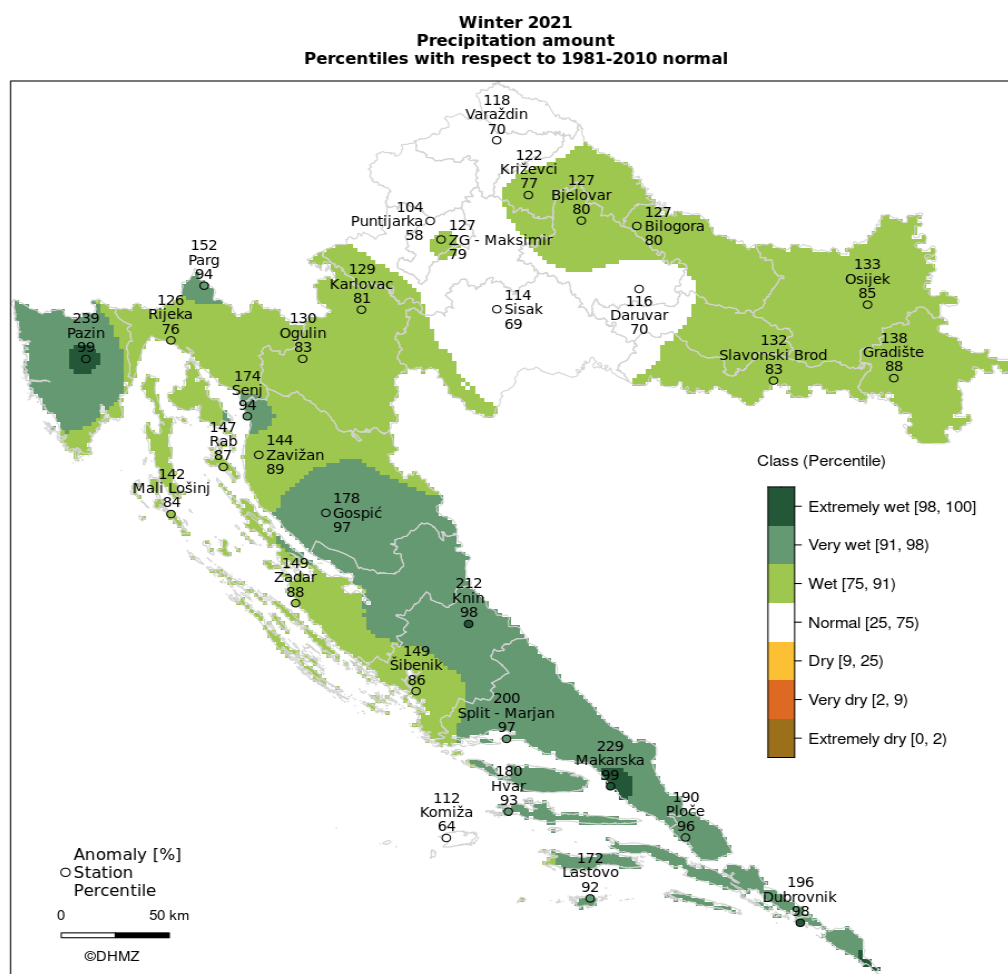
According to percentile ranks and classification ratings, thermal conditions in Croatia for winter 2020/2021 have been described by the following categories: **warm** (the wider area of Puntijarka and Bilogora, part of the mountain Croatia and part of the Middle Adriatic) and **very warm** (the rest of Croatia).



Precipitation amount anomalies for Croatia in Winter 2020/2021

An analysis of the precipitation amounts for winter 2020/2021 expressed as percentages (%) of 1981 - 2010 average, shows that these precipitation amounts were mainly above the average. Corresponding precipitation amounts for winter 2020/2021 were within the range of 104 % (Puntijarka – 268,9 mm) - 239 % (Pazin – 541,6 mm) of the multi-annual average for this season.

According to percentile ranks and classification ratings, the precipitation amounts for winter 2020/2021 have been described by the following categories: **wet** (Eastern Croatia, part of the mountain Croatia, part of the North and Middle Adriatic), **very wet** (most of Istria, the wider area of the towns of Senj and Parg, part of the mountain Croatia, part of Middle and South Adriatic and their hinterland), **extremely wet** (the wider areas of the towns of Pazin, Knin, Makarska and Dubrovnik) and **normal** (the rest of Croatia).



SEECOF-24 CLIMATE OUTLOOK VALIDATION

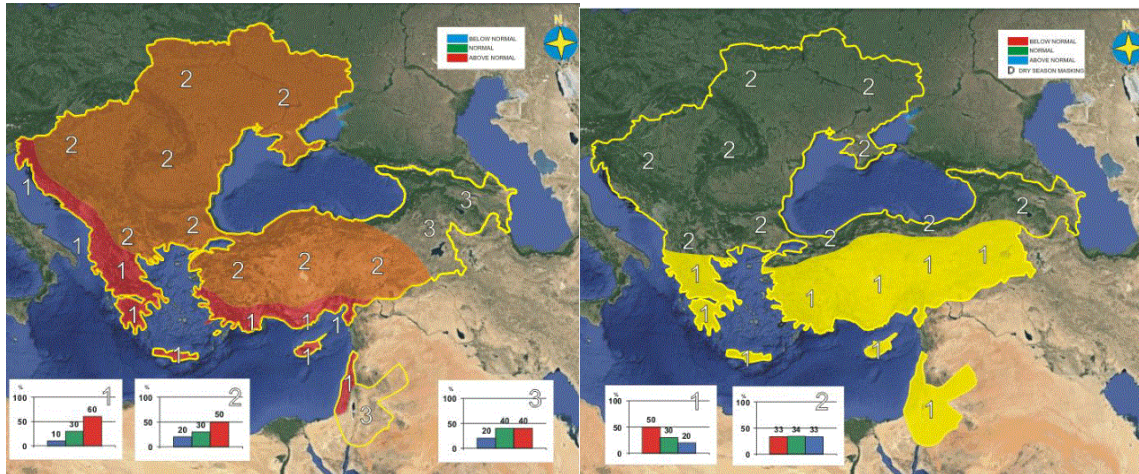


Figure 1: Graphical presentation of the climate outlook for the 2020-2021 winter season for the SEECOF region; Temperature outlook (left), Precipitation outlook (right)

Air temperature anomalies for Croatia in Winter 2020/2021

According to the SEECOF-24 climate outlook, for all Croatian territory, winter temperature was expected to be likely above normal. Probability for exceeding the average summer season temperature along the Adriatic coast and their hinterland was 60%, and in the rest of Croatia was 50%.

We can conclude that the outlook for the Winter 2020/2021 according to the temperature was correct.

Precipitation amounts for Croatia in Winter 2020/2021

According to the SEECOF-24 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 above the average. Only in the part of Central Croatia the precipitation amounts were around the average.

We can conclude that the outlook for the Winter 2020/2021 according to the precipitation was correct in some (small) part of Croatia.

Country	Seasonal temperature (DJF)		Seasonal precipitation (DJF)		High Impact Events
	Observed	SEECOF-24 climate outlook for temperature	Observed	SEECOF-22 climate outlook for precipitation	
Croatia	Above normal	<p>Above normal</p> <p>along the Adriatic coast and their hinterland (10,30,60)</p> <p>in the rest of Croatia (20,30,50)</p>	<p>Above normal</p> <p>(in most of Croatia)</p> <p>Normal</p> <p>(part of Central Croatia)</p>	<p>No predictive signal</p> <p>(33,34,33)</p>	<p>Winter 2020/2021 – a few episodes (mostly in December and February) with hurricane strong bora wind (NE wind) and jugo (SE wind) was recorded. Sea and road traffic between continental part and Adriatic coast were completely interrupted.</p> <p>On 3rd December, in Split (Dalmatia), after heavy rain, 149,6 mm of precipitation was measured. That amount of rain fell in a short time so there were flash floods as well.</p> <p>In February, absolute maximum temperature was measured on several station. In Knin (hinterland of Dalmatia) the highest temperature since the measurements took place in Croatia in February was measured – 26,4 °C on 24th of February.</p>