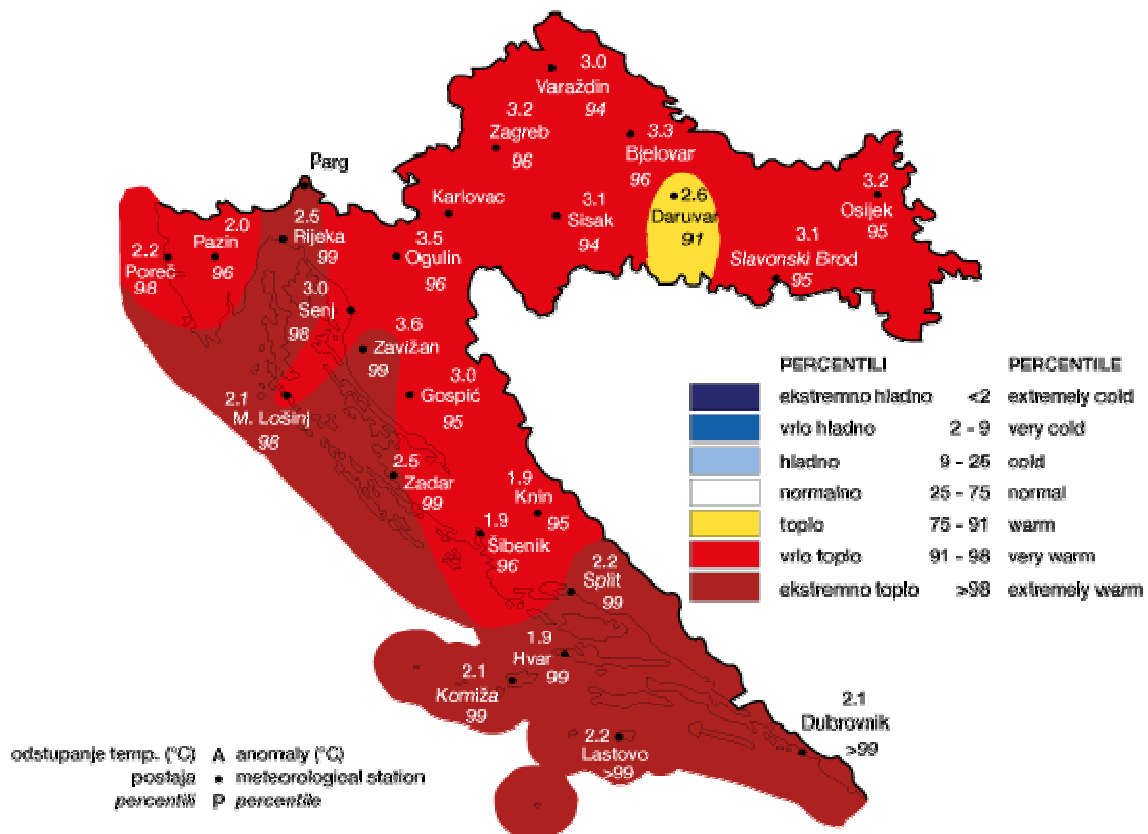


Climate Report for Croatia for winter 2015/2016

► Air temperature anomalies for Croatia in winter 2015/2016

Throughout Croatia the average winter air temperature (December, January, February) exceeded the multi-annual average (1961-1990). Corresponding air temperature anomalies for winter 2015/2016 were within the range from 1.9°C to 3.6°C.

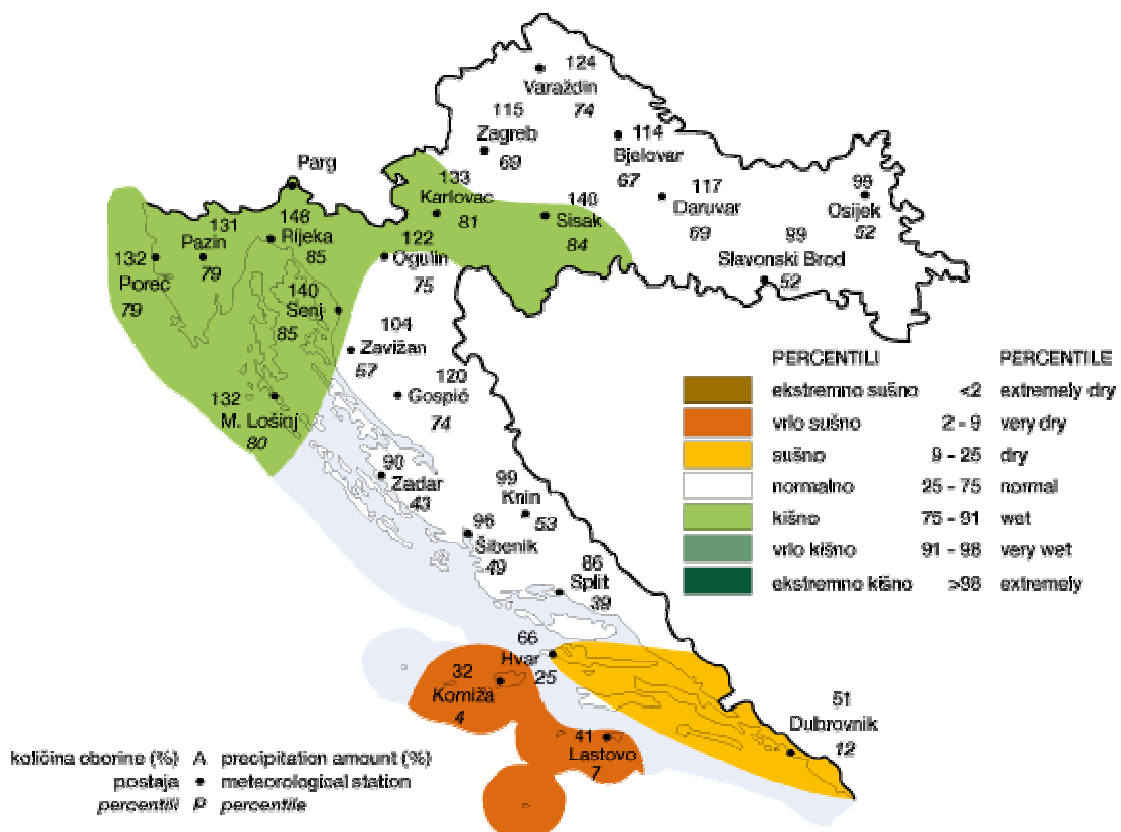
According to percentile ranks and classification ratings, thermal conditions in Croatia for winter 2015/2016 have been classified by the following categories: **warm** (an area in Northeastern Croatia), **extremely warm** (part of the Northern, Middle and Southern Adriatic), and **very warm** (the remaining part of Croatia).



► Precipitation amounts for Croatia in winter 2015/2016

An analysis of the precipitation amounts for winter 2015/2016 expressed as percentages (%) of 1961-1990 average, shows that these precipitation amounts were mainly above the average. Corresponding precipitation amounts for winter 2015/2016 were within the range from 32% to 148% of multi-annual average for this season.

According to percentile ranks and classification ratings, the precipitation amounts for winter 2015/2016 have been described by the following categories: **wet** (part of the Northern Adriatic and its hinterland as well as part of Central Croatia), **dry** (part of the Southern Adriatic), **very dry** (some islands of the Southern Adriatic) and **normal** (the remaining part of Croatia).



SEECOF-14 CLIMATE OUTLOOK VALIDATION

- **Air temperature anomalies for Croatia in winter 2015/2016**

According to the SEECOF-14 climate outlook, for all Croatian territory, there were chance for warmer than normal winter season. Probability for exceeding the average winter season temperature was 55% in almost whole Croatia (a 45% in the northern part).

The winter season in Croatia according to multi-annual average 1961-1990 was above normal in the whole country. In relation to the multi-annual average 1981-2010, warm anomalies range is from 2.1° to 2.7 °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 2015/2016**

According to the SEECOF-14 climate outlook, the precipitation in the North and Northeastern part of Croatia forecasted to be above average (probability for above normal was 50%). In the remaining part of Croatia the precipitation had no preference for any climate defined categories, with an equal probability of all three terciles.

The actual precipitation amounts were above thirty-year average 1961-1990, especially in the Northern Adriatic and its hinterland as well as part of Central Croatia. Taking into account that the newer climatology 1981-2010 is generally similar or little bit drier than the older one, we noticed that the signal for wet conditions in these parts of Croatia was missed (the signal for dry conditions in the Southern Adriatic was missed too). Apart from that, we can conclude that the outlook was relatively satisfying.

Country	Seasonal temperature (DJF)		Seasonal precipitation (DJF)		High Impact Events
	Observed	SEECOF-14 climate outlook for temperature	Observed	SEECOF-14 climate outlook for precipitation	
Croatia	Above normal	Above normal	<p>Above normal in the Northern Adriatic and its hinterland and part of Central Croatia</p> <p>Below normal in the Southern Adriatic</p> <p>Normal (in the remaining part of Croatia)</p>	<p>Normal or above normal (the North and Northeastern part of Croatia)</p> <p>No predictive signal (remaining part – the Adriatic coast and its hinterland and mountainous part of Croatia)</p>	<p>December 2015 was extremely dry. In the most parts of Croatia there was not precipitation at all (especially along the Adriatic coast).</p> <p>Extreme weather conditions in January 2016 were connected mostly to wind. Gale force bora (NE wind) was recorded along the Adriatic coast on 17th and 18th January, and caused a lot of damages and traffic interruptions. Mean wind speed at the North Adriatic was 25 m/s (Island Pag) and the wing gusts was 48,9 m/s.</p> <p>February 2016 was very wet and extremely wet, especially in the part of Northern and Central Croatia as well as part of the Northern Adriatic and its hinterland. In some stations monthly precipitation amounts exceeded maximum monthly amounts for February (Rijeka (North Adriatic) – 407,7 mm; Ogulin (mountainous part) – 277,7 mm and Poreč (Istra, North Adriatic) – 189,6 mm).</p> <p>A few episodes with gale force wind (NE and SE) were recorded too. (the strongest gusts of bora wind (NE) was recorded at the island Krk, North Adriatic on 10th February – 54,5 m/s).</p>