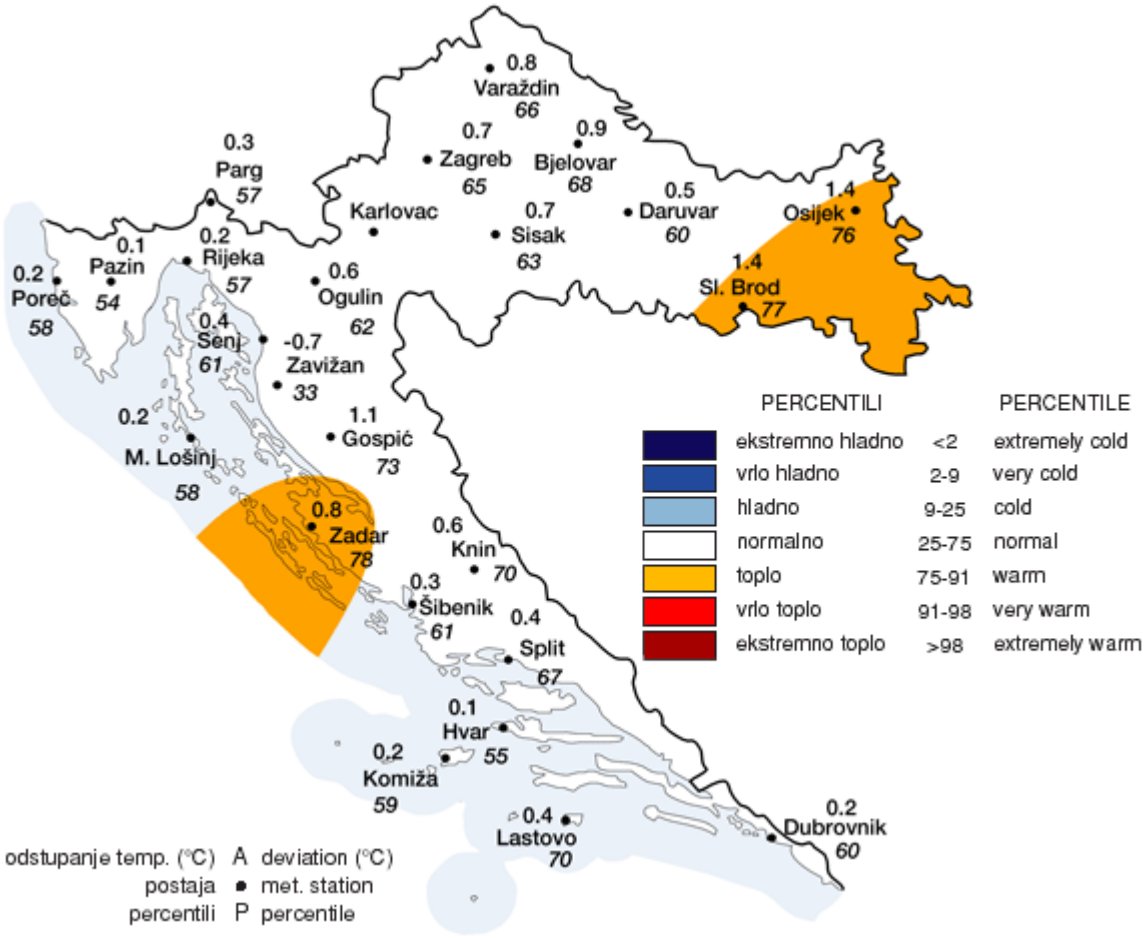
Climate Report for Croatia for Winter 2012/13

Air temperature anomalies for Croatia in Winter 2012/2013

During the winter 2012/2013 (December, January, February) the average air temperatures were mostly above the multi-annual average (1961-1990). Corresponding temperature anomalies were ranging from 0.1°C to 1.4°C. The only exception was the mountain station Zavižan with the cold anomaly of -0.7°C.

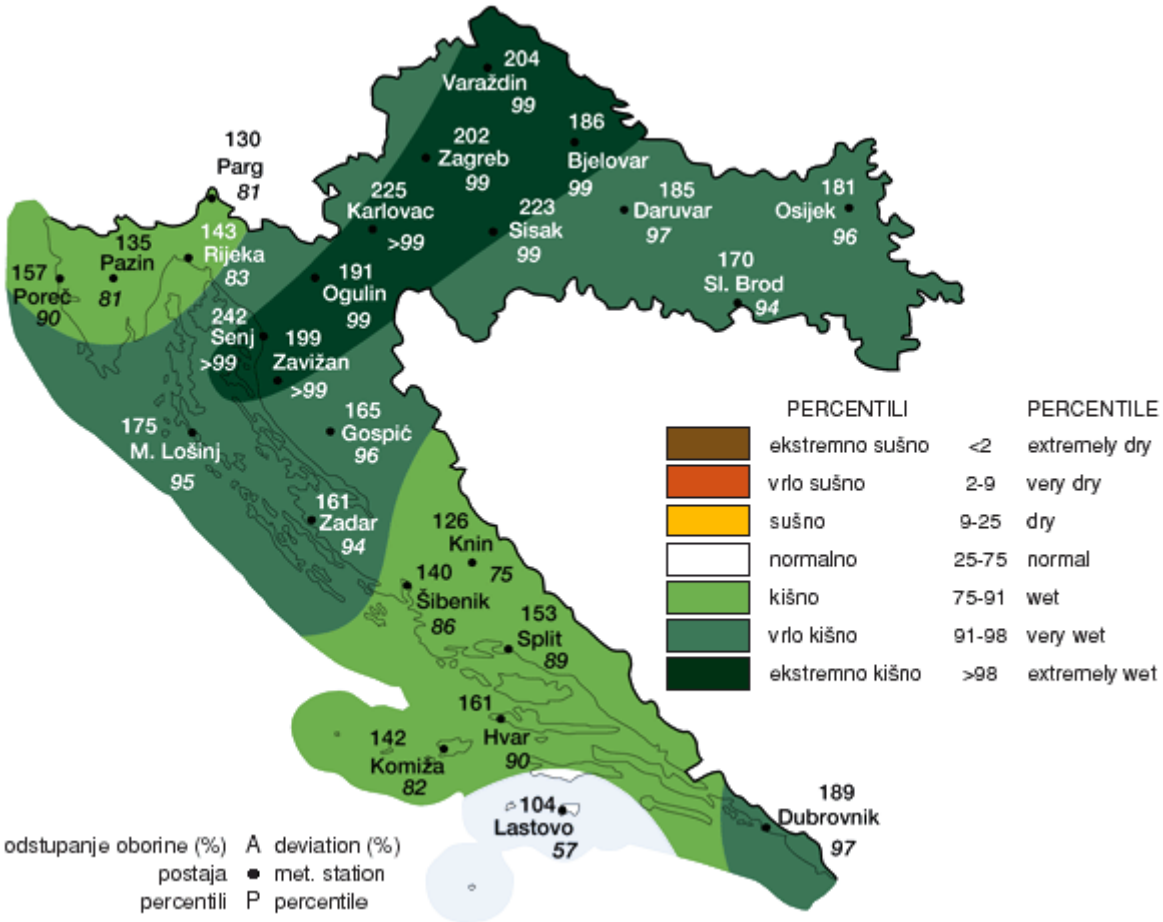
According to percentile ranks and classification ratings, thermal conditions in Croatia for the winter 2012/2013 have been classified by dominant category **normal**. The part of Eastern Croatia, as well as a small area in the Middle Adriatic, falls under the category **warm**.



Precipitation amounts for Croatia in Winter 2012/2013

The analysis of the precipitation amounts for the winter 2012/2013 expressed as percentage (%) of the 1961-1990 average, shows that these precipitation amounts were well above the average. Corresponding precipitation proportions for the winter 2012/2013 were within the range from 104% to 242% of multi-annual average for this season.

According to percentile ranks and classification ratings, the precipitation amounts for the winter 2012/2013 have been described by the following categories: **normal** (a small area in the open Southern Adriatic sea), **wet** (some areas of Northern, Middle and Southern Adriatic with the corresponding hinterland), **extremely wet** (part of Northwestern and Central Croatia) and **very wet** (the remaining part of Croatia).



Seasonal climate outlook for winter 2012/13

The maps show the probabilistic consensus forecast for tercile categories of anomalies of seasonal -mean temperature and precipitation, relative to the period 1981-2010.
Figure 1.

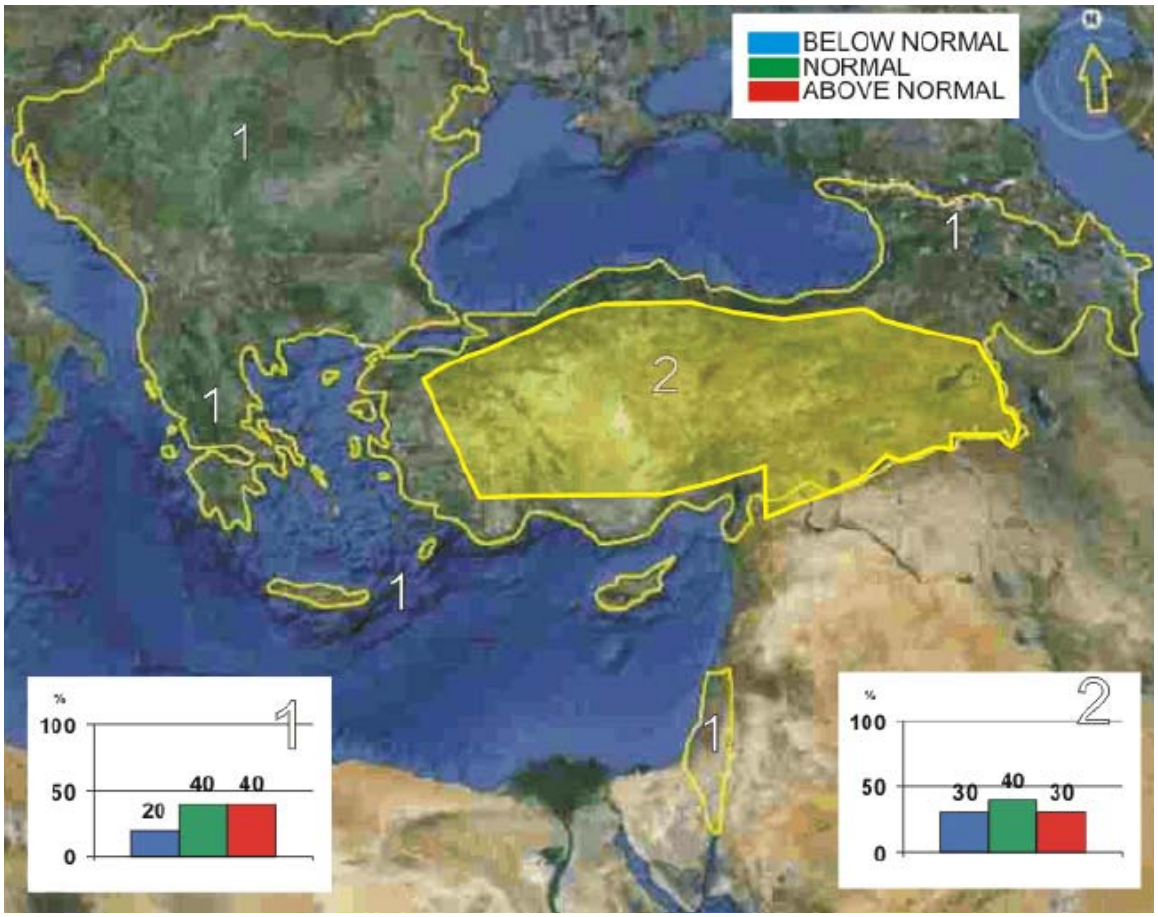


Figure 1. Graphical presentation of 2012/13 winter temperature outlook

For inland Turkey uncertainty for the temperature prediction is high; however the category with the greatest probability is the middle tercile (zone 2 Figure 1). In the rest of the SEECOF region (zone 1 in Figure 1) the winter seasonal mean temperature is likely to be near- or above-average.

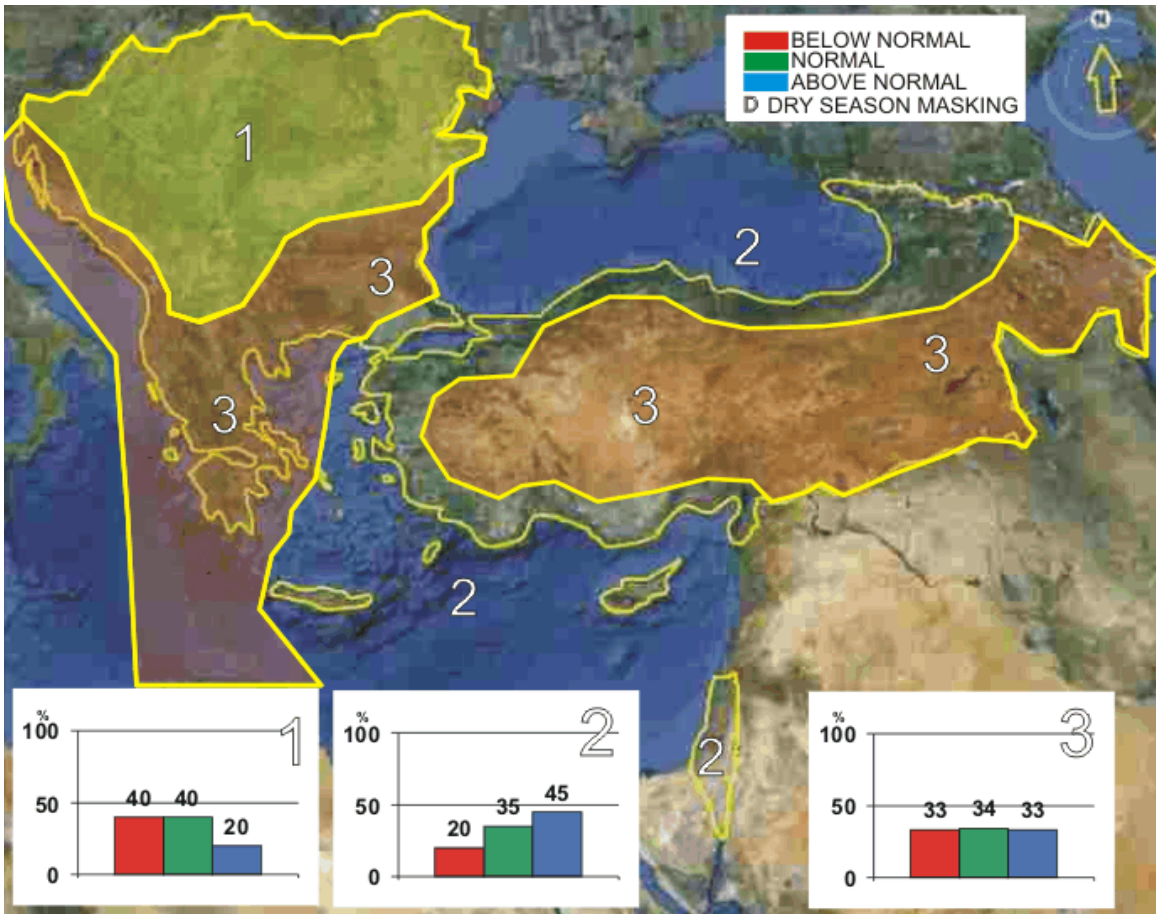


Figure 2. Graphical presentation of 2012/13 winter precipitation outlook

In the Pannonia Plain, Western and Central Balkan Peninsula and Carpathian region winter seasonal precipitation totals are likely to be near- or below-average (zone 1 in Figure 2). For the coastal areas of the Black Sea, eastern part of Aegean Sea and south-east Mediterranean Sea winter seasonal precipitation totals are likely to be near- or above-average (zone 2 in Figure 2). In the rest of the SEECOF region (zone 3 in Figure 2) the uncertainty is large: probabilities for below-, near- or above-average conditions are approximately equal.

Qualitative verification of seasonal climate outlook

Seasonal air temperature anomalies forecast for winter 2012/13 for Croatia has been successful in forecasting a normal season with mostly positive temperature anomalies.

Seasonal precipitation amount anomalies forecast for winter 2012/2013 for Croatia has failed to forecast a very wet season. It was especially bad for the Croatian inland were probability for wet was only 20%.