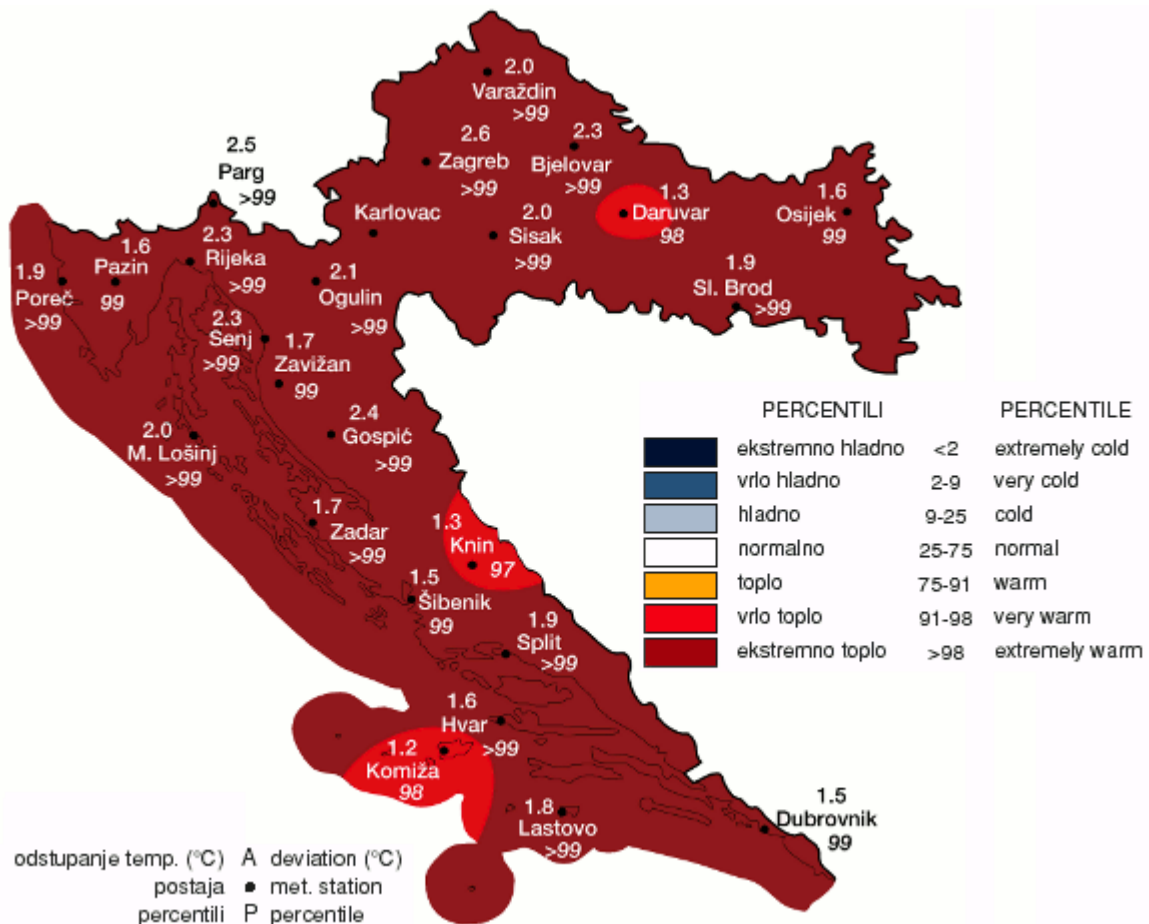


Climate monitoring

Air temperature anomalies for Croatia in Summer 2013

During the summer (June, July, August) 2013 average summer air temperatures in Croatia were above the multi-annual average (1961-1990). Corresponding air temperature anomalies for summer 2013 were within the range from 1.2°C to 2.6°C.

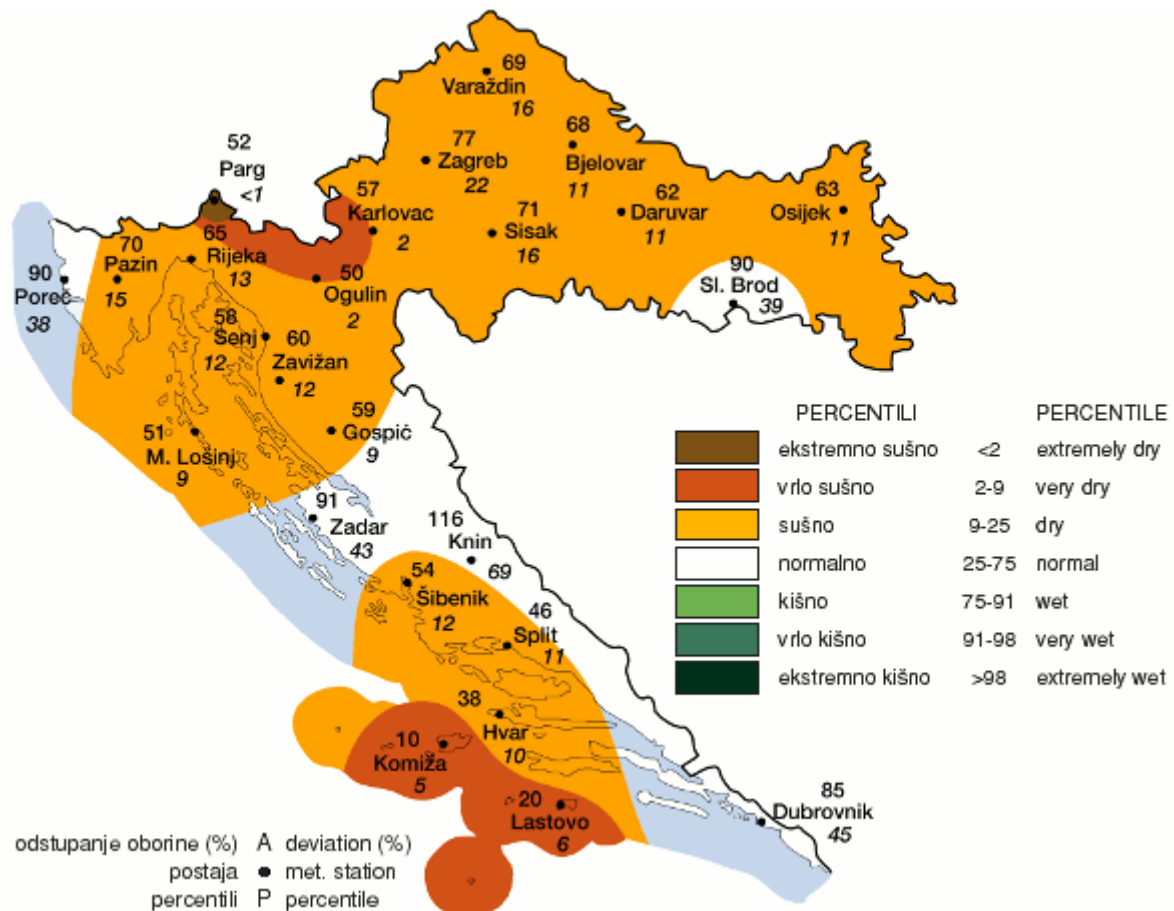
According to percentile ranks and classification ratings, thermal conditions in Croatia for summer 2013 have been described by dominant category **extremely warm** with the exception of Daruvar, Knin and an area in the Southern Adriatic which falls under the category **very warm**.



Precipitation amounts for Croatia in Summer 2013

An analysis of precipitation amounts for summer 2013 given in percentages (%) of 1961-1990 average, shows that these precipitation amounts in whole Croatia were mainly below the average with the exception of Knin where the mentioned average was exceeded. Corresponding precipitation amounts for summer 2013 were within the range from 10% to 116% of multi-annual average for this season.

According to percentile ranks and classification ratings, precipitation amounts for summer 2013 have been described by following categories: **dry** (the Northern Adriatic as well as Central and Eastern Croatia), **extremely dry** (Parg), **very dry** (part of Northwestern Croatia as well as an area in the Southern Adriatic) and **normal** (the remaining part of Croatia).



SEECOF-9 CLIMATE OUTLOOK VALIDATION

► Air temperature anomalies for Croatia in Summer 2013

According to the SEECOF-9 climate outlook, there was a very **high likelihood for normal or warm** summer season in Croatia relative to the period 1981-2010. Moreover, **probability for exceeding the average summer season temperature was 40%**. The climate monitoring report is given in relation to the older climatology 1961-1990, and in relation to the multi-annual average 1981-2010 it is less extreme with the temperature anomalies within the range from 0.7°C to 1.3°C for the 5 biggest stations in Croatia (Zagreb, Osijek, Gospić, Rijeka and Split). Hence, we can conclude that the outlook for the normal to warm summer was **satisfyingly correct**.

► Precipitation amounts for Croatia in Summer 2013

Furthermore, according to the SEECOF-9 climate outlook, the precipitation was forecast to be **near or below average**, but the probabilities for the three terciles were almost equal. The actual precipitation amounts were mainly below thirty-year average 1961-1990. Again, taking into account that the newer climatology 1981-2010 is generally drier than the older one, we can say that the 2013 summer deficit was even smaller than the one given in the monitoring report with the amounts within the range from 55 to 80% for the 5 above-given stations. We can therefore conclude that the outlook was **very good** but we have to bear in mind that the **uncertainty of the forecast was so large** that we couldn't make much use of the forecast information.