

# National Climate Bulletin and the assessment of the SEECOF-29

## Climate outlook for NHMS for winter 2022/23

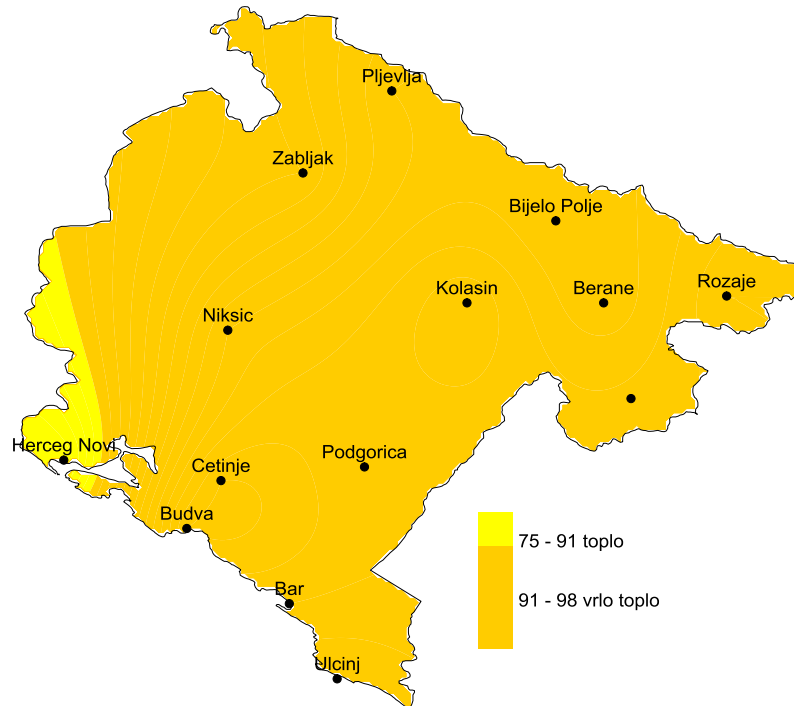
### Highlights

Assessment were done with respect to climatological normal 1991-2020.

According to the percentiles average temperature for winter 2022/2023 was in category “warm” and “very warm”. Winter precipitation was in category “normal”, “wet” and “very wet”.

### Air temperature anomalies

Average temperature was in range from 0.5 °C in Žabljak to 12 °C in Budva. Temperature anomalies were positive and in range from +1.1 °C in Herceg Novi (coastal region) to +3.8 °C in Rožaje (northern mountainous region). In capital town Podgorica average temperature was 9.4 °C or +2 °C higher than climatological normal for winter.

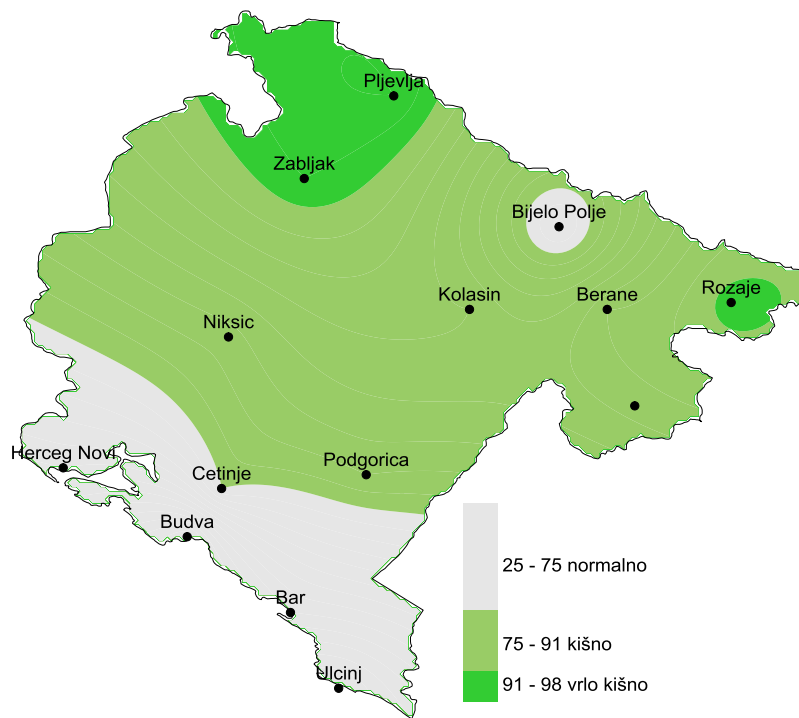


**Figure 1.** Spatial distribution of percentile for winter temperature anomalies with respect to the 1991-2020 climatological mean

## Anomalies of winter precipitation

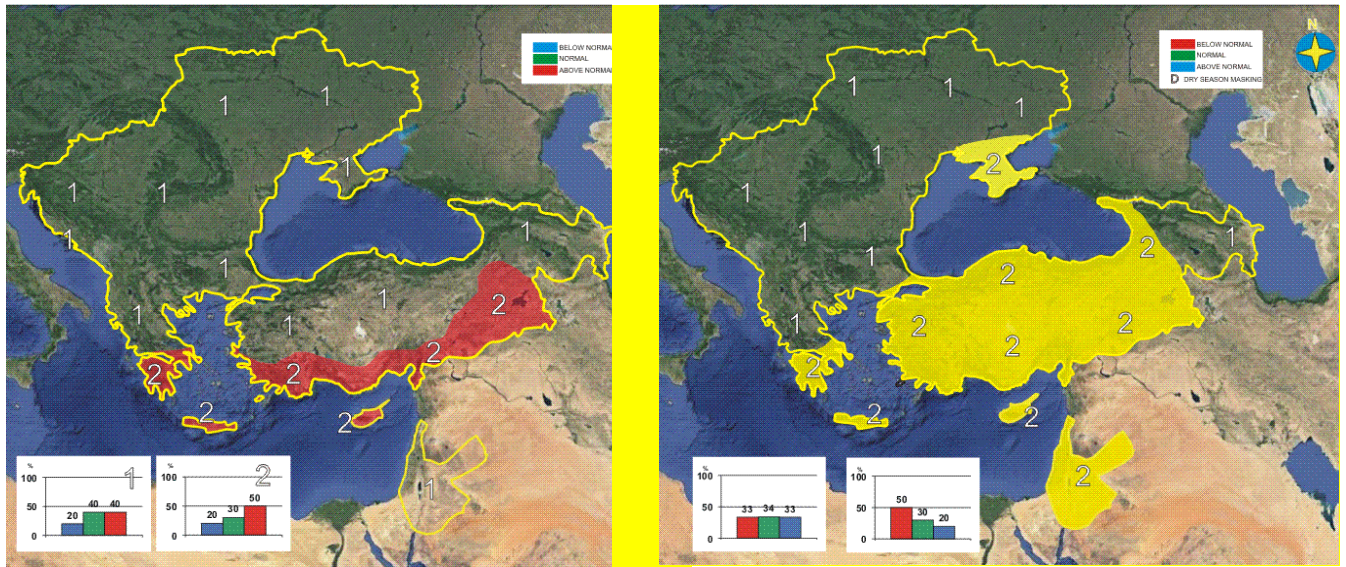
Total amount of precipitation was in range from 282 mm in Bijelo Polje (northern mountainous region) to 1648 mm in Cetinje (central region). Anomalies of precipitation were in range from 99% in Ulcinj (coastal region) to 169% in Zabljak of 1991-2020 normal.

Maximum snow height of 100 cm was recorded in Žabljak on the 6<sup>th</sup> February.



**Figure 2.** Spatial distribution of percentile for the winter precipitation anomalies with respect to the 1991-2020 climatological mean

### SEECOF – 28 Climate outlook validation



**Figure 3.** Graphical presentation of the climate outlook for the 2022/23 winter season for the SEECOF region; Temperature outlook (left) and precipitation outlook (right)

Climate outlook for the winter temperature shows same probability for the temperature near or above normal. Observed temperature in the whole country was above normal, figure 1.

Climate outlook for winter precipitation shows no privileged scenario. Observed precipitation amount was normal in coastal region, while in the most of the country precipitation was above normal.