

National Climate Bulletin and the assessment of the SEECOF-27

Climate outlook for NHMS for winter 2021/22

Highlights

(prepared by Slavica Micev)

Assessments were done with respect to climatological normal 1981-2010.

According to the percentiles average temperature for winter 2021/2022 was in category “normal” and “warm”. Winter precipitation was in category “normal”.

Air temperature anomalies

Average temperature was in range from $-1.5\text{ }^{\circ}\text{C}$ in Žabljak to $11\text{ }^{\circ}\text{C}$ in Budva. Temperature anomalies were positive and in range from $+0.2\text{ }^{\circ}\text{C}$ in Herceg Novi (coastal region) to $+2.4\text{ }^{\circ}\text{C}$ in Rožaje (northern mountainous region). In capital town Podgorica average temperature was $8.2\text{ }^{\circ}\text{C}$ or $+1.1\text{ }^{\circ}\text{C}$ higher than climatological normal for winter.

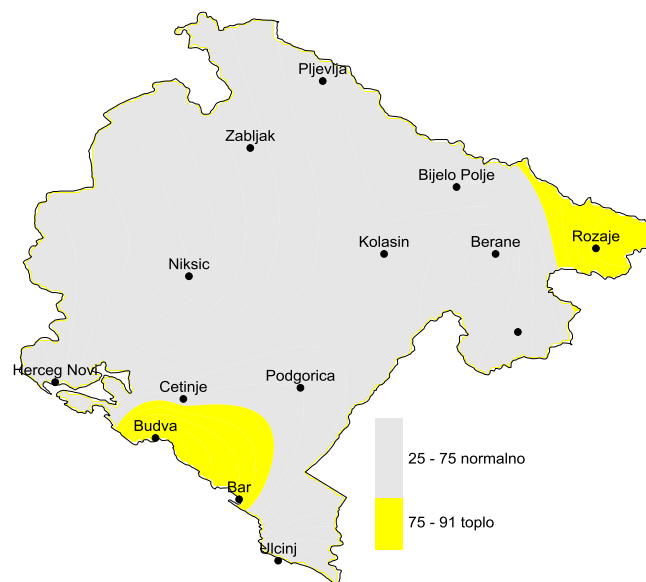


Figure 1. Spatial distribution of percentile for winter temperature anomalies with respect to the 1981-2010 climatological mean

Anomalies of winter precipitation

Total amount of precipitation was in range from 147 mm in Bijelo Polje (northern mountainous region) to 1054 mm in Cetinje (central region). Anomalies of precipitation were in range from 63% in Herceg Novi (coastal region) and Bijelo Polje, to 130% in Pljevlja of 1981-2010 normal.

Maximum snow height of 103 cm was recorded in Žabljak on the 28th February.

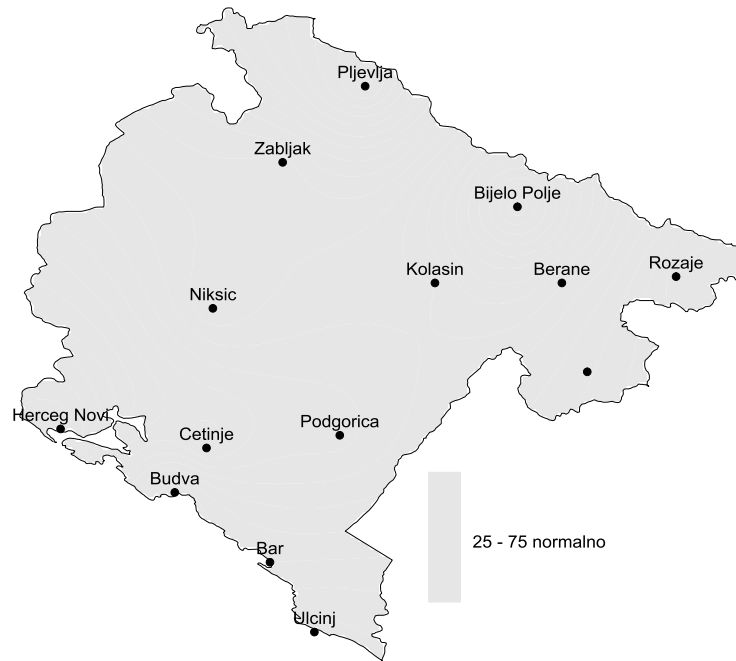


Figure 2. Spatial distribution of percentile for the winter precipitation anomalies with respect to the 1981-2010 climatological mean

SEECOF – 26 Climate outlook validation

(prepared by Mirjana Ivanov)

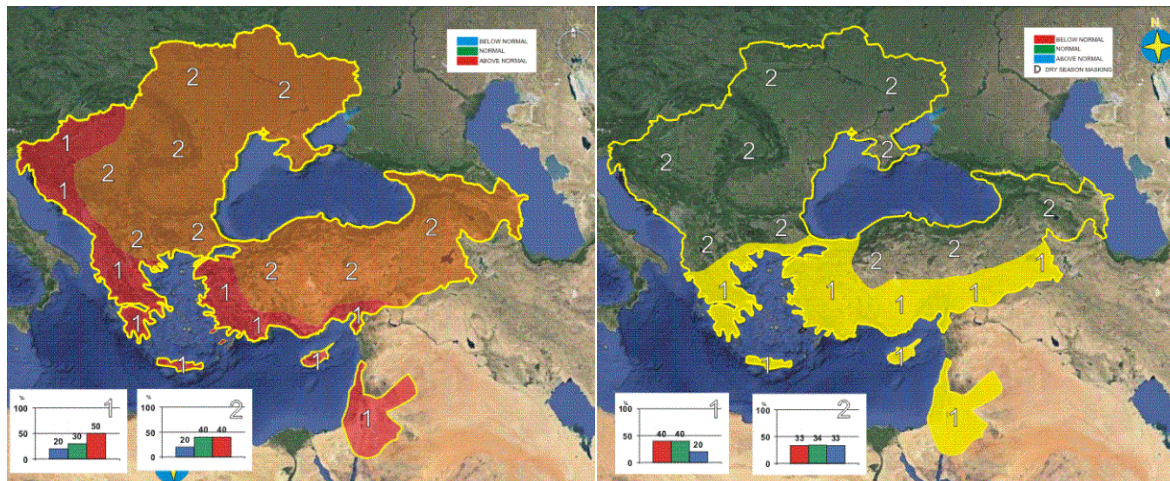


Figure 3. Graphical presentation of the climate outlook for the 2021/22 winter season for the SEECOF region; Temperature outlook (left) and precipitation outlook (right)

Climate outlook for the winter temperature shows higher probability for the temperature above normal. That matches with observed temperature in some parts of the coastal region, figure 1, while in the most of the country temperature was around the normal.

Climate outlook for winter precipitation shows no privileged scenario. Considering that observed precipitation amount was normal in whole Montenegro, climate outlook matches with observed precipitation.

Country	Seasonal temperature (DJF)		Seasonal precipitation DJF		High Impact Events
	Observed	SEECOF-26 climate outlook for temperature	Observed	SEECOF-20 climate outlook for precipitation	
Montenegro	Normal and above normal	50% above normal 30% normal 20% below normal	Normal	No predictive signal (33, 34, 33)	<p>Very strong wind in January and February, especially from the 10th to the 12th January, the 7th February, and from the 22nd-23rd February. On the 10th January due to strong north wind one tree was fallen on the building in Podgorica. There was no casualties.</p> <p>Very cold from the 22nd-30th January.</p> <p>On the 7th February strong wind was followed by heavy precipitation especially in Podgorica. Due to very intensive precipitation some roads were flooded.</p>