

Country: Republic of Moldova

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Climatological reference period: 1981-2010.

1. SEECOF-22 Climate outlook for Winter Season 2019/20 for the Moldova

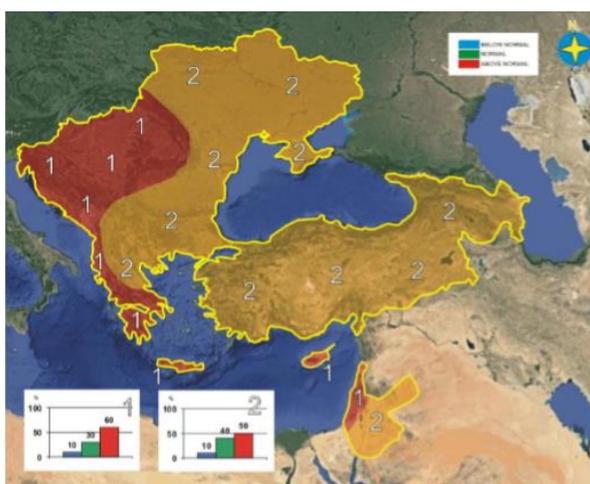


Figure 1. Graphical presentation of the 2019/20 winter temperature outlook

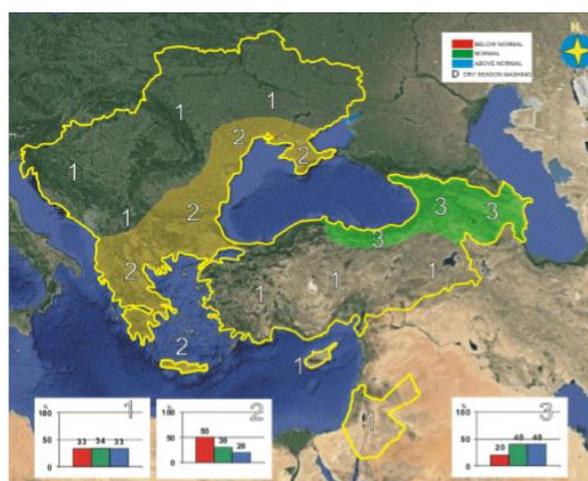


Figure 2. Graphical presentation of the 2019/20 winter precipitation outlook

Above normal

Below, near or above normal

2. Analysis of the Winter Season 2019/20 in Moldova

The winter season 2019-2020 in Republic of Moldova was anomalous warm and basically with deficit of precipitation. The stable transition of the average daily air temperature through 0°C, meaning the beginning and the end of the meteorological winter, has not been observed in this season, which is reported on average every 5-10 years.

The average air temperature for the season on territory was +1.6..+3.3°C, being higher with 4.3-5.4°C than the norm and is reported for the first time from the entire observation period (Fig.1,2).

According to MS Chisinau data (observation period 125 years) the average air temperature for the season was +3.1°C (with 5.2°C higher than the norm) and was ranked on the first place in the number of years with high average temperatures for the winter season (Fig. 3).

The absolute minimum air temperature on the territory was -10°C (December, MS Balti, Baltata, January, MS Briceni, Rabnita, Bravicea, Baltata). The absolute maximum in February reached +20°C (MS Falesti, Bravicea, Dubasari, Baltata), which on average in this month is observed once in 20 years.

In December the average monthly air temperature exceeded the norm with 3.5-4.5°C and was +2.2..+4.1°C, which is observed on average once in 15-20 years. The maximum air

temperature rose on the territory up to +18°C (December 18, MS Codrii), which in this period is observed on average once in 30 years.

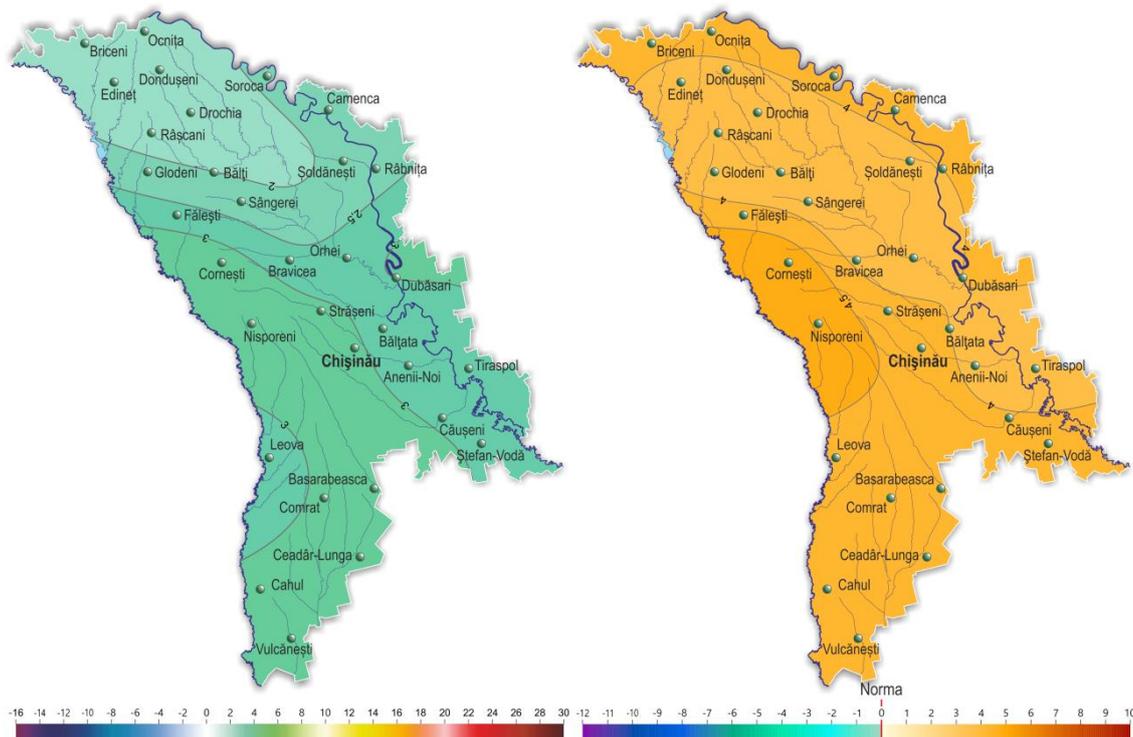


Fig.1. Mean Temperature in Winter, °C

Fig.2. Temperature Anomalies in Winter, °C

Very warm weather was also observed in January. The average monthly air temperature was +0.1..+1.5°C, which is with 3.5-5.0°C higher than the norm and is observed on average every 7-10 years.

Anomalous warm weather maintained as well and in February. The average monthly air temperature was in general with 5.5-6.5°C higher than the norm and was +2.5..+4.9°C, which is observed on average every 10-15 years. The maximum air temperature on February 2 raised up to +18°C (MS Tiraspol), which in this period is observed for the first time during the entire observation period.

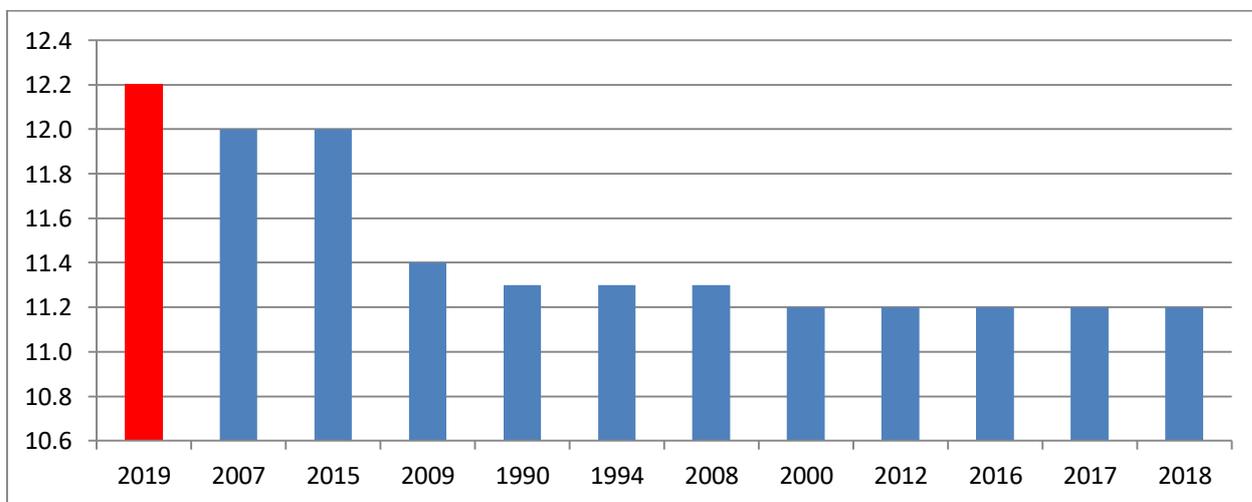


Fig.3. String years with high average temperatures for the winter season, MS Chisinau

The amount of precipitation during the season on 75% of the territory was 40-65 mm (40-70% of the norm), only in some northern districts fell 70-85 mm (80-95% of the norm) (Fig.4,5).

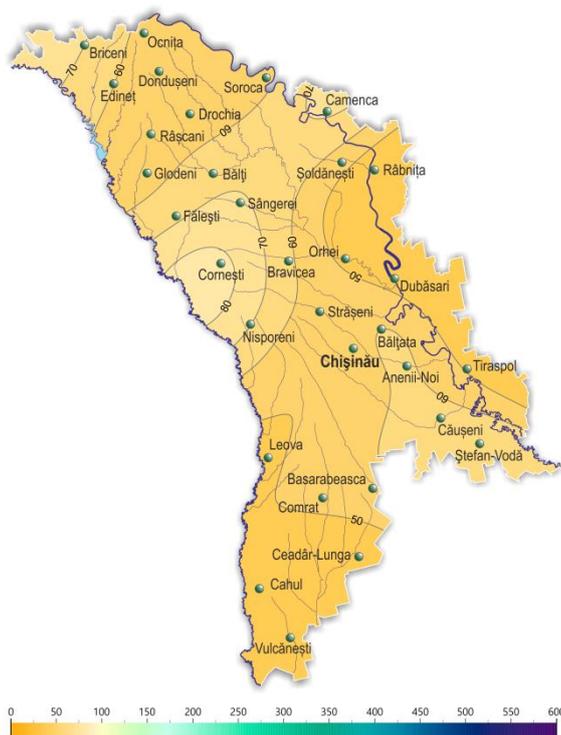


Fig.4. Amount of precipitation in Winter, mm

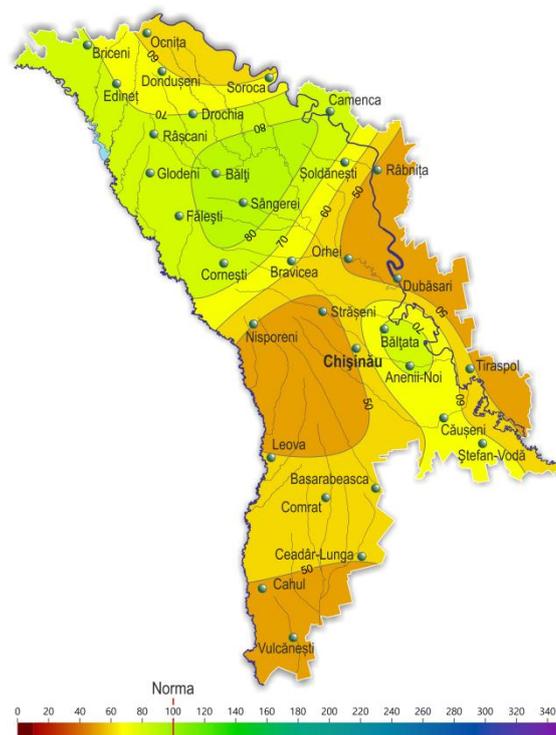


Fig.5. Precipitation Anomalies in Winter, %

Significant precipitation deficit was reported in January, when monthly amount did not exceed 3-10 mm (10-35% of the monthly norm), which is observed on the territory on average every 10-15 years.

The snow coverage isolated was observed in some days of the season, its maximum thickness on the meteorological platforms reached 18 cm (December, MS Cornesti).

Compared to the winter of 2018-19, the average air temperature in that season was 3-4°C higher and the precipitation dropped less (by 40-100 mm). Similar season after the thermal regime is 2006-07.

3. Assessment of the SEECOF-22 Climate outlook for 2019/20 winter season

Country	Seasonal temperature		Seasonal precipitation		High Impact Events
	Observed	SEECOF-22 climate outlook for temperature	Observed	SEECOF-22 climate outlook for precipitation	
Republic of Moldova	Above normal	Above normal	75% of the territory - below normal 25% of the territory -	Below, near or above normal (33%,33%,33%)	Complicated weather conditions were observed on 5 th and 6 th of February. Everywhere on the territory these days there have been reported wind gusts up to 15-23 m/s, on most of the territory have fallen heavy

			<p>near normal</p>	<p>rainfall in form of rain, snow and sleet, has been established snow coverage. As a result of the strong wind, the electricity wires were damaged. The fallen snow, blizzard and black ice on the roads have created complicated conditions for road traffic.</p> <p>On February 24, on most of the territory was observed wind gusts up to 19-25 m/s, isolated - dust storm. In some districts the wind speed reached 26-27 m/s (MS Cornești, Baltata, Stefan-Voda, Comrat, Cahul), being considered an extreme phenomenon. As a result of the strong wind were reported, the deterioration of the electricity wires, the objects of the national economy and the agricultural lands.</p> <p>Also during the winter season there were fog, thunderstorms, hail, rime and glazed ice, blizzard and black ice on roads.</p>
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