

Assessment of the SEECOF-21 Climate outlook for 2019 summer season in **Armenia**

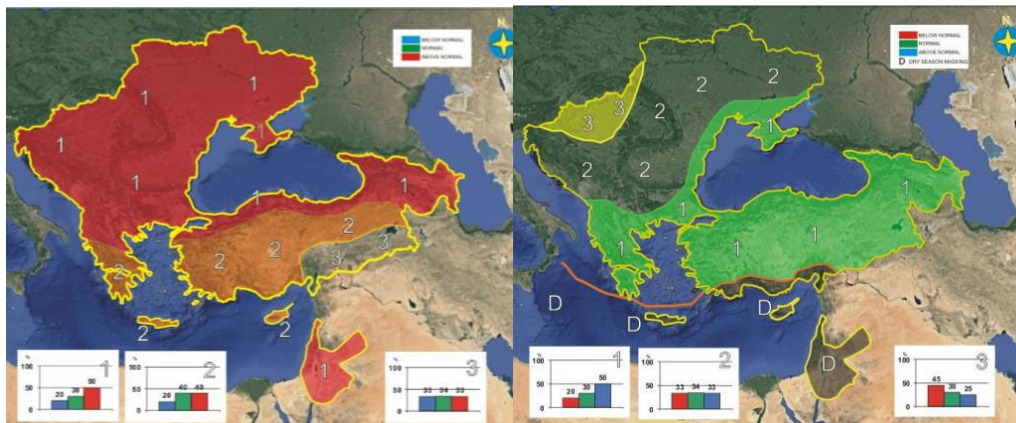
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According to the SEECOF-21 outlook for the summer 2019 in Armenia, seasonal temperature was expected warmer (upper tercile) with 50% probability, normal with 30% probability and below (low tercile) with 20% probability, compared to the 1981–2010 climatological base period.



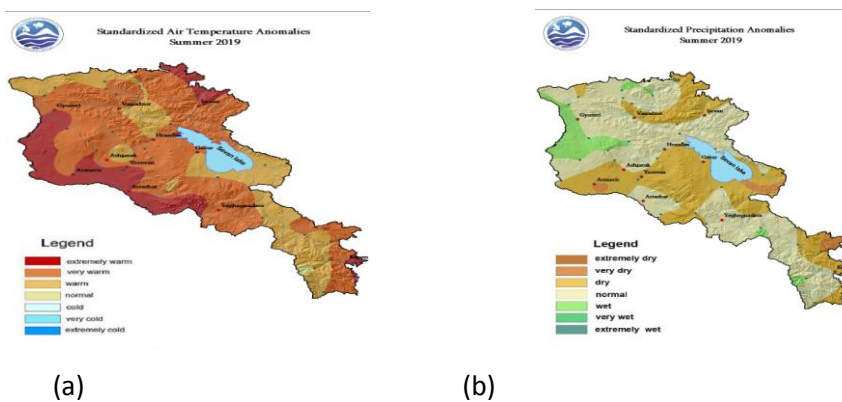
Summer: seasonal mean temperatures were by 2.1°C higher relative to normal values. The average monthly temperature in June was higher than the average by 3-4 °C, while monthly temperature anomalies for July and August consisted of 1-2 °C (Fig. 2a).

Verification showed that the forecast for a warm summer was correct.

The SEECOF–21 climate outlook indicated 45% probability for dry conditions, 25 % probability for wet conditions.

Summer precipitation was below the norm in valley regions, in mountain areas near the norm (Fig. 2b).

Verification showed that the forecast for a dry summer was correct.



(a)

(b)

Figure 1. Anomalies of seasonal temperatures (a), estimated through temperature categories, and precipitation in % (b) over Armenia in summer (JJA) of 2019

Country	Seasonal temperature (JJA)		Seasonal precipitation JJA		High Impact Events
	Observed	SEECOF-21 climate outlook for temperature	Observed	SEECOF-21 climate outlook for precipitation	
Armenia	Above normal	Above normal	Below normal	Below normal	<p>Heat Wave was observed from 22 of July until 20 of August in Lowland areas. The maximum air temperature reached 43.00C in Meghri on July 30, (the highest recorded was 43.7 0C in Meghri on July 31, 2011 and in Yerevan on July 12, 2018).</p> <p>Drought was recorded from May up to the end of August in Ararat valey and Syuniq lowlands.</p> <p>Extreme precipitations (65mm/25 min) in Tashir(lori) on 8 Jun and 69mm/12hour in Aparan (Aragatcotn) regions on 6 th of July was recorded. Severe hailstorms were observed with diameters of hail exceeding 20 mm.</p> <p>Forest fires: In Vayots Dzor and Sjuniq region (July, August) forest fires were recorded. Forest fires were characterized by higher frequency in summer season, 2019.</p>