

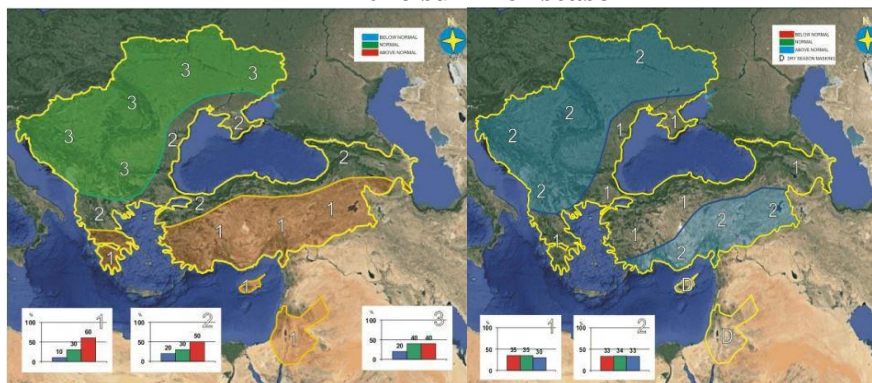
# The assessment of the SEECOF-15 Climate outlook for Armenia for summer season 2016

Zara Petrosyan

Armstatehydromet

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## Assessment of the SEECOF-15 Climate outlook for 2016 summer season



**Temperature:** According to the SEECOF-15 outlook for the summer 2016 in Armenia, the temperature was indicated to be above normal. Climatological monitoring showed that the summer of 2016 was hot as usual in the entire Armenia (with slight deviation above norms). Verification showed that the forecast for a warm summer was correct.

**Precipitation:** The SEECOF-15 climate outlook for 2016 summer indicated equal probabilities for near normal -35%, above-35%, and 30% probability for below normal conditions. Precipitation monitoring showed that the amount for June was within the norms and in the Northern parts comprised 120-150% of norms, in July it was above the norms and comprised more than 150%, in August it was lower the norms and comprised 20-60%. The forecast related to precipitation was correct.

Country	Seasonal temperature (JJA)		Seasonal precipitation JJA		High Impact Events
	Observed	SEECOF-15 climate outlook for temperature	Observed	SEECOF-15 climate outlook for precipitation	
Armenia (1)	Above normal	Above normal	Above normal to normal	Above normal to normal	<p>2016 summer was characterised by strong winds, heavy precipitation and especially by intense hail with big hailstones.</p> <p>On Jun 4<sup>th</sup>, 6<sup>th</sup> in Yerevan, Martuni (Gekharquniq region) and Ijevan (Tavush region) heavy hail was observed in diameter of 20 mm. On June 12<sup>th</sup> heavy rainfall (44mm/12h) was observed in Ijevan (Tavush region)</p> <p>July: Torrential rainfall, was observed on July 2 and 6<sup>th</sup> in Talin (58mm/2h), Fantan (40mm/3h), Aparan (37mm/3h) (Aragatsotn and Kotayk region) accompanied with strong wind with the gusts of 25-28 m/sec. On June 10<sup>th</sup> in Armavir and Yerevan hail was observed 28 mm in diameter. The maximum temperature on June 21<sup>th</sup> in Ararat valley riches 41-42<sup>o</sup>C.</p> <p>August: Significant precipitation deficit was observed across most of the country. Strong wind with gusts of 25 m/sec was observed in August.</p> <p>Strong Wind with the gusts 25-28m/sec observed in different areas in all months.</p>

## Summer 2016 in figures

### Temperature

Average monthly air temperature in **June** was near the normal with small positive (0,5) deviation, in July was near the normal, in Ararat valley with small negative (-0,3) deviation, in August above the normal 2-2,5 °C.

In summer relatively cold weather was observed on June 13<sup>st</sup> (the minimum temperature fell in the mountains up to 2°C, in the foothills up to 7°C, in Ararat Valley 10°C) in July 12<sup>th</sup> – 14<sup>th</sup> minimum temperature fell in the mountains areas 3-4° C, in the foothills 5-7 °C, the average daily temperature was below long-term values by 3-6 degree).

Only one heat wave was observed on July 18<sup>st</sup> -21<sup>th</sup>, (the average daily air temperature was above long-term values by 3-5 degrees), the maximum temperature in the valley areas was 39 - 42°C, in the foothills 33- 35°C, in the mountainous areas: 30 - 33°C.)

### Precipitation

Monthly precipitation was extremely low the norms in Northern and Southern parts of Armenia (in Vayots Dzor, Kotayk and Gegharkunik marzes it was lower the norms). In July the precipitation was high in entire country comprising generally 120-150% and at some station (Armavir, Yerevan) exceeded the norms by 2-3 times. August was characterized by low precipitation 14-50%, and in Areni no precipitation at all. The Ararat valley which is the main region for agricultural production the precipitation level fluctuated within 0.5-5 mm, which is very low. However in some stations it exceeded the norms (Tashir – 150%, Amasia – 112%, Fontan – 220%, Meghri – 120%).

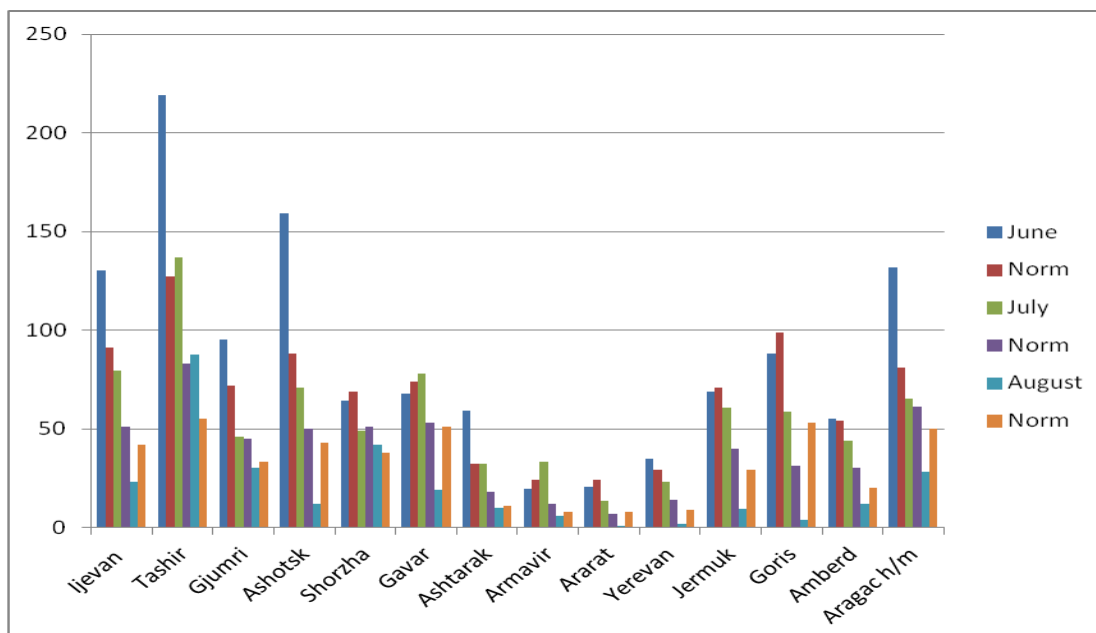
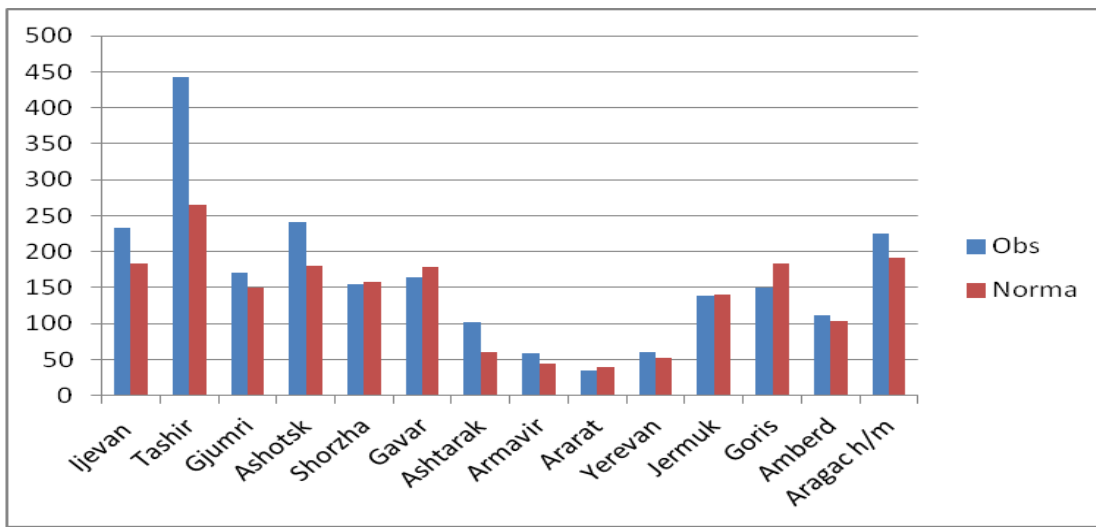


Fig.1 Summer season Precipitation and norms by monts



**Fig.2 Sammer presipitations**