

# **HYDROMETEOROLOGICAL SERVICE OF ARMENIA**

## **SCIENTIFIC-APPLIED CENTRE ON HYDROMETEOROLOGY AND ECOLOGY**

### **CLIMATOLOGICAL ANALYSIS OF 2017/2018 WINTER**



**28.12.2017**

**Yerevan-2018**

# TEMPERATURE

SEECOF -18, Outlook has predicted 40% probability of temperature to be above and near the normal (Figure 1,zone 1) and 20% probability to be below the normal for 2017-2018 winter.

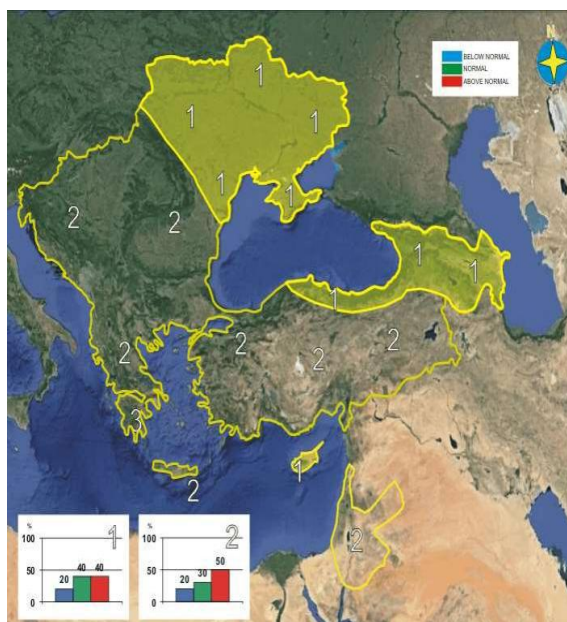


Figure 1.2017/18 winter temperature outlook

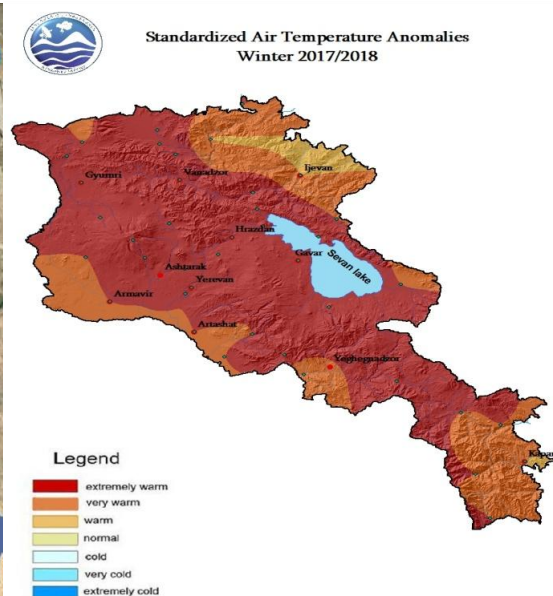


Fig2. Divergence of the mean seasonal (2017/18 winter) temperature (°C) from the normal

2017/18 winter was third hottest one for the observation period.

In December the temperature was by 3-5 degrees below the norm.

In January the temperature was by 5-8 degrees above the norms across the country in Tavush (south-east) and Syunik (south-west) by 2-4 degrees above the norms.

In February the temperature was by 3-6 degrees above the norms countrywide, in Ararat valley by 6-8 degrees above the norms.

Verifying the prediction of SEECOF and the observed temperatures we may resume that there were very week signal for temperature in Armenia.

## Precipitations:

SEECOF-18, Outlook has predicted equal probability 33%,34%,32 % (Figure 3, zone 2): no clear signal for precipitation in Armenia for 2017-2018 winter.

In December and January the precipitation amount was near the norms with positive deviation.

In February precipitation amounts were below the norm. Most of stations reported 22-87% precipitations relative to norma.

Verifying the prediction of SEECOF-18 and the observed precipitations we may resume that the outlook forecast was not the proper for Armenia.

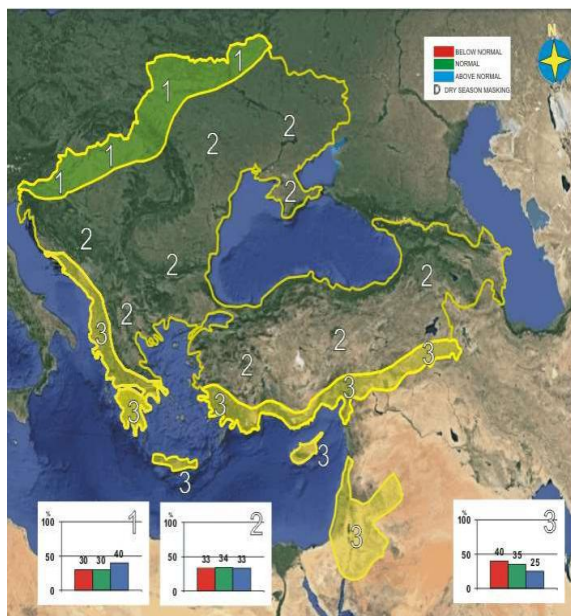


Figure 3. 2017/18 winter precipitation outlook

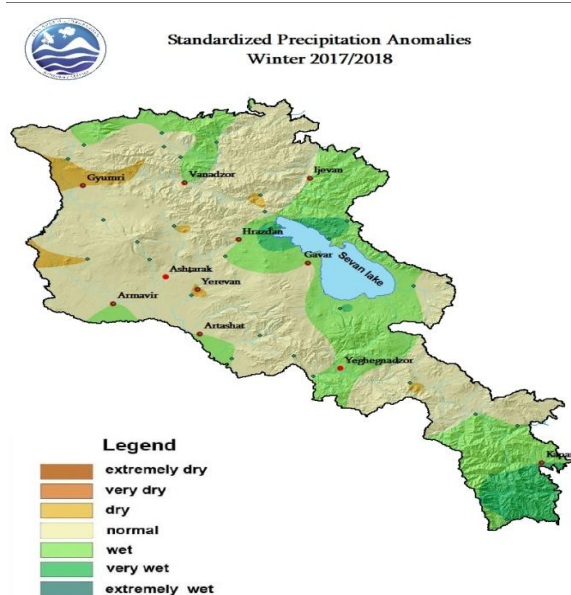


Fig4. Divergence of the mean seasonal (2017/18 winter) precipitations (mm) from the normal

## **VERIFICATION OF THE SEECOF-18 CLIMATE OUTLOOK FOR THE**

### **2017-18 WINTER SEASON:**

Country	Seasonal temperature	Seasonal temperature	Seasonal precipitation	Seasonal precipitation	High Impact Events
	Observed	climate outlook	Observed	climate outlook	
Armenia 1)	Above normal	above and near the normal 40,40,20	Near the normal	No predictive signal 33,34,33	2017-18 winter was characterized by very high temperature and lack of snow cover in lowland areas as no snow cover was formed. Foggy weather was observed in December and January in Shirak Region, Ararat valley with very low visibility less than 50 m. Strong wind 25- 29m/s was observed on 23rd of December, and 19th, 20th of January in Shirak region.

### **USERS' PERCEPTIONS OF THE SEECOF OUTLOOK**

Hydromet Service has submitted a different seasonal forecast according to which the temperatures were predicted to be above the norms.

Seasonal forecast was shared between governmental authorities, public services, private companies, public (via mass media).

Positive feedback was obtained from the users related to the reliability of forecasts.