

## Seasonal weather forecast for the months of

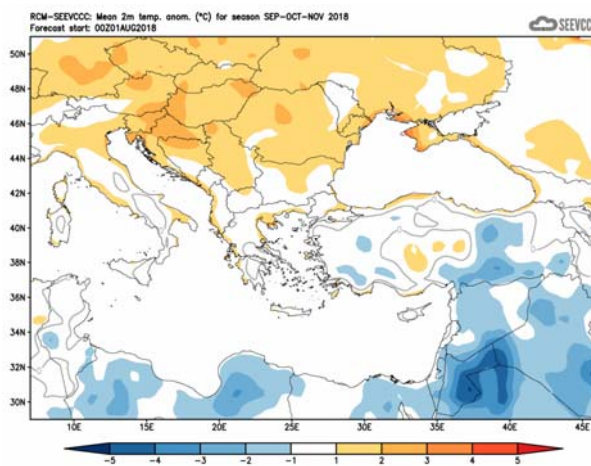
### September, October and November 2018

#### General over view of the weather expected to prevail for September, October and November.

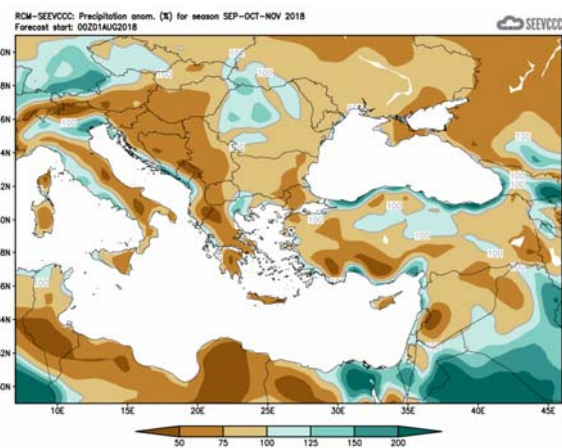
The weather for the following three months, namely **September, October** and **November 2018**, will be presented, with respect to the anomalies of temperature, and accumulated precipitation.

During the period in focus normal temperatures (both maximum and minimum) are declining, suggesting **September** as the hottest month of the period and **November** the period's coldest month. The accumulated precipitation is at its lowest values during September but it rises well during the period. The first month of the period is likely to be climatologically characterized by outbreaks of thunderstorms, initiated from thermal causes over the main plain area or over the mountainous range from orographic uplift. During **October** and mainly during **November** the frequency of baroclinic depressions affecting the area increases significantly, resulting in higher accumulated precipitation. During **November** snow fall over the highest peaks of Troodos range is likely and may be recorded, as in the past.

Specifically, regarding the seasonal forecast for the period of **September, October** and **November 2018**, the temperature will be generally normal. Normal to lower than normal temperature characterizes also the greater part of Asia Minor, the Balkans and Middle East. The amount of the accumulated precipitation over Cyprus is expected to range generally from 75% of normal to normal, except over the southeastern part that is expected to range from 50% of normal to 75% of normal and north-western part that is expected to reach 125% of normal.

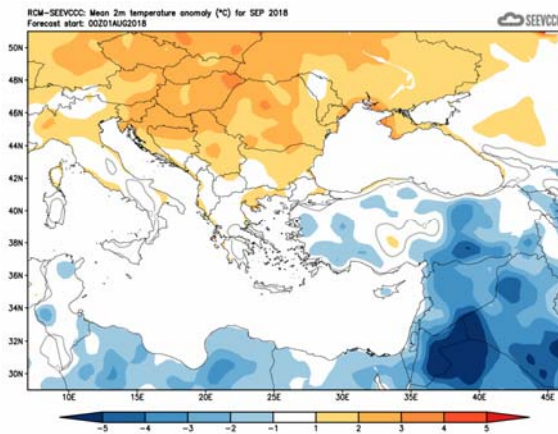


Divergence of temperature from normal from the mean seasonal temperature (°C) for September, October and November

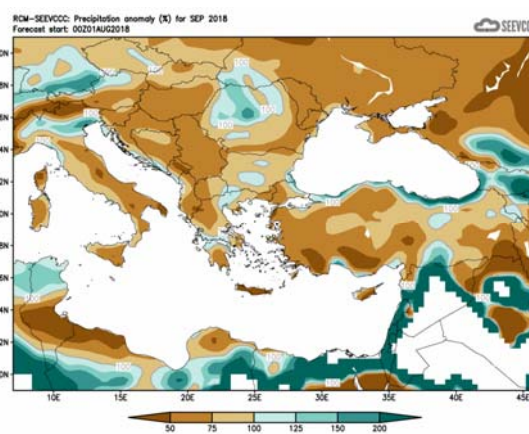


Percentage (%) of the mean seasonal accumulated precipitation compared to the mean normal for September, October and November

The seasonal forecast suggests that **September's** temperature will be generally normal, except inland where the temperature will be below normal, by 1 to 2°C. The lower than normal temperature is also a characteristic of the area of Asia Minor and Near and Middle East. The amount of the accumulated precipitation will reach 50% of normal over the eastern and southern, it will range between 50% and 100% of normal over northern part and mountainous areas and in some northwestern areas will reach 125% of normal.

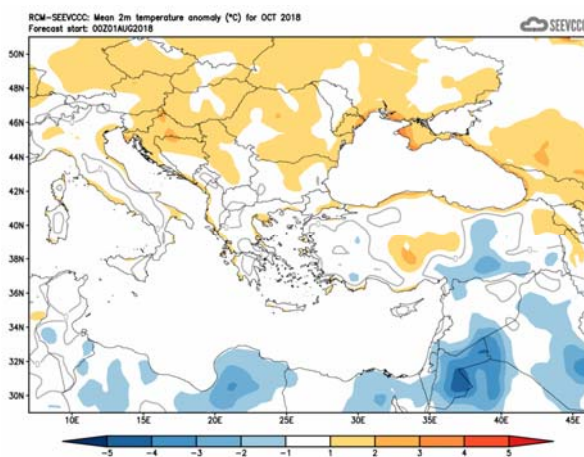


Divergence of the mean monthly temperature (°C) from normal during September

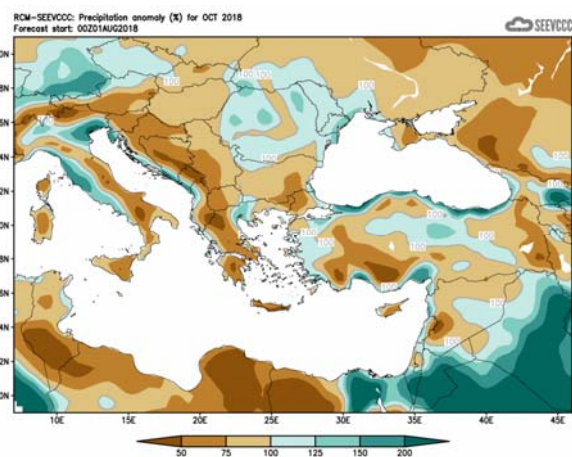


Percentage of the mean monthly precipitation (%) compared with the normal of September

The seasonal forecast for **October** suggests that temperature will be generally normal. The accumulated precipitation of Cyprus will range between 50% and 75% of normal over south and east part and between 75% and 100% of normal over the rest area of Cyprus, except northwestern areas that it will reach 125% of normal.

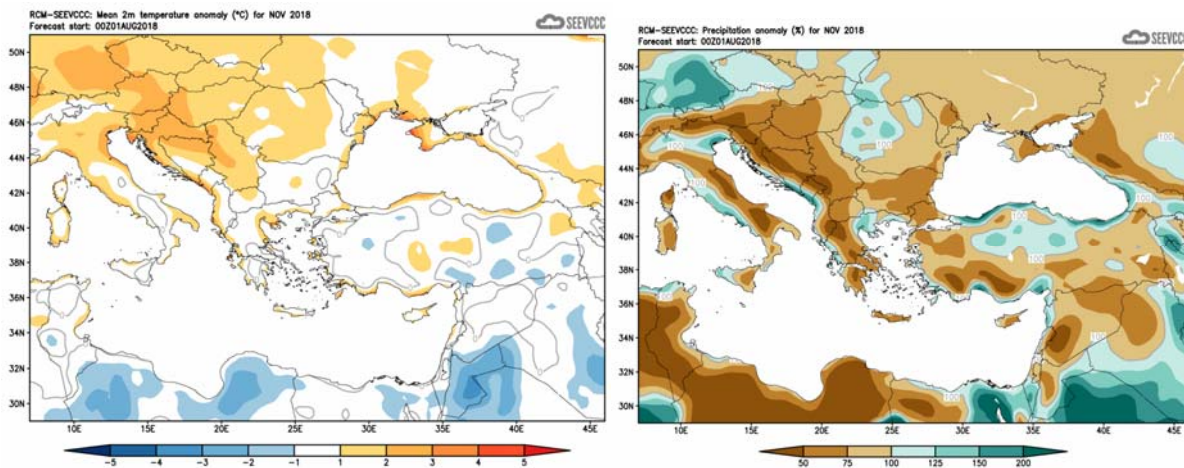


Divergence of the mean monthly temperature (°C) from normal during October



Percentage of the mean monthly precipitation (%) compared with the normal of October

The seasonal forecast for **November** suggests that temperature will be generally normal. The accumulated precipitation of November will range between 50% and 75% of normal over south and east part and between 75% and 100% of normal over the rest area of Cyprus.



Divergence of the mean monthly temperature (°C) from normal during November

Percentage of the mean monthly precipitation (%) compared with the normal of November

### Normal values of temperature and accumulated precipitation for September, October and November 2018

The normal values of mean maximum, mean minimum temperature and accumulated precipitation are presented below concerning the three months the period of forecast is covering, in order to gain a better view of the normal seasonal climate. The temperature, both maximum and minimum, is on the fall suggesting **September** as the warmest month of the period and **November** as the coldest. On the other hand the accumulated precipitation is increasing significantly from **September** towards **November**, as presented by the climatological data shown on the table below. It is worth noting that **October's** and mainly **November's** accumulated precipitation is significantly higher than **September's** as a result of the reoccurrence/redeveloping of depressions over the area of the east Mediterranean.

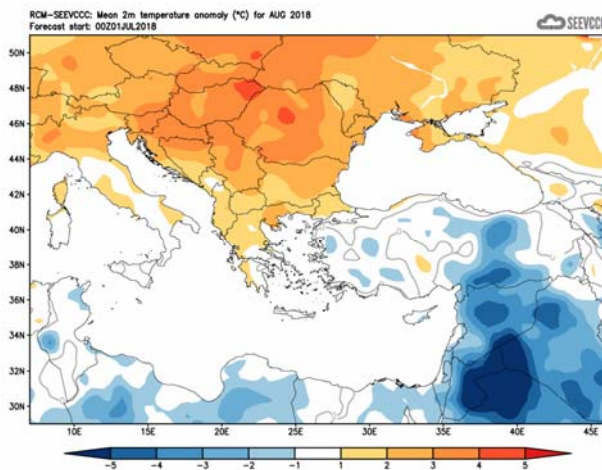
TEMPERATURE AND PRECIPITATION NORMAL VALUES FOR THE PERIOD 1981-2010									
Area Name	MEAN DAILY MAXIMUM TEMPERATURE (°C)			MEAN DAILY MINIMUM TEMPERATURE (°C)			MEAN MONTHLY TOTAL PRECIPITATION (mm)		
	September	October	November	September	October	November	September	October	November
<b>NORTH COAST</b>	30.1	26.4	21.7	19.2	15.1	12.2	4.0	30.3	58.6
<b>WEST COAST*</b>	29.0	26.4	22.4	19.1	15.4	12.9	3.6	27.4	52.6
<b>MOUNTAINOUS AREAS</b>	24.6	19.2	12.8	14.9	10.9	6.1	10.7	34.4	93.8
<b>INLAND*</b>	33.6	28.4	22.1	18.8	15.2	10.4	12.2	20.7	43.2
<b>SOUTH COAST</b>	30.9	27.8	22.6	19.8	15.7	12.4	4.3	16.0	46.8
<b>EAST COAST**</b>	31.9	28.5	22.4	19.6	15.7	11.8	2.9	19.9	44.0

\* West Coast and Inland Values cover the period 1983-2010

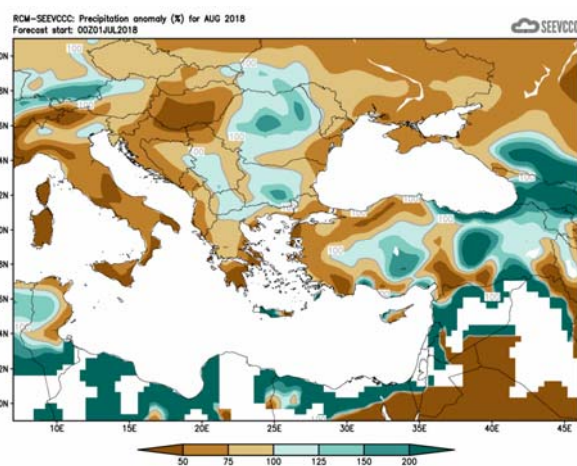
\*\* East Coast Temperature Values cover the period 1981-2007

### Evaluation of August's seasonal forecast for the area of Cyprus

August's seasonal forecast suggested that temperature over Cyprus would be generally normal, except southeast coast that would be 1-2°C lower than normal. Normal temperature characterized also Minor Asia, while Middle East would be lower than normal. The amount of the accumulated precipitation inland was expected to be around normal, while over the northern and western part is expected to range above normal and over the southern and eastern part was expected to range below normal.



Divergence of the mean monthly temperature (°C) from normal during August



Percentage of the mean monthly precipitation (%) compared with the normal of August

Concerning the models evaluation for **August** a general judgment is that the model did not perform so well concerning the temperature. Almost all of the mean daily maximum and mean daily minimum temperatures were above normal, except the station of Achna that the mean daily maximum temperature and the mean minimum temperature were around normal. It must be mentioned that during summer month's precipitation is resulted mainly from thundery activity which has very localised characteristics and that judging is very difficult due to models limitations.

Extremes were also recorded with positive departures greater than 4°C, like Achna station where the highest daily maximum temperature (38.6°C) was 5.1°C greater than normal (33.5°C) and Prodromos station, where the highest daily maximum temperature (32.7°C) was 4.7°C greater than normal (28°C). Generally, the highest maximum of the month was recorded on 1st of **August** over the inland station of Athalassa and it was 41.1°C with the normal being 36.9°C.

For the dates 2, 3, 8, 9, 10, 12, 14, 15, 17 and 23 of August EMMA warnings for high temperature were issued.

Daily minimum temperatures were also recorded, like Prodromos, where a minimum of 12.9°C was 5.2°C below station's normal (18.1°C), a negative departure greater than 4°C.

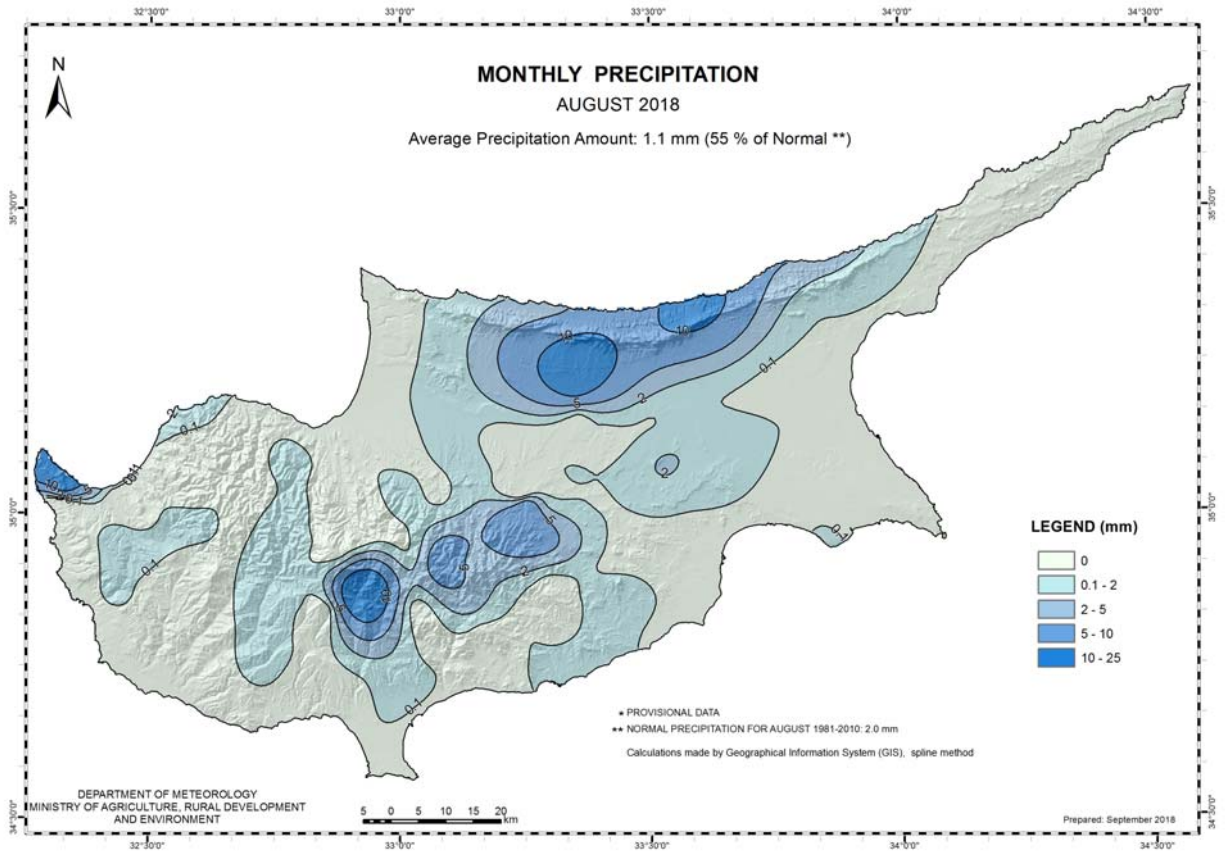
On the 2<sup>nd</sup>, 4<sup>th</sup>, 5<sup>th</sup>, 7<sup>th</sup>, 8<sup>th</sup> and 21<sup>st</sup> of **August** episodes of local showers and isolated thunderstorms resulted in accumulated precipitation of 55% of normal.

TEMPERATURE AND PRECIPITATION PROVISIONAL DATA FOR AUGUST 2018														
St. No.	Station Name	Mean Daily Maximum Temperature (°C)	Normal Value (1981-2010)	Difference from Normal Value	Highest Daily Maximum Temperature (°C)	Lowest Daily Maximum Temperature (°C)	Mean Daily Minimum Temperature (°C)	Normal Value (1981-2010)	Difference from Normal Value	Lowest Daily Minimum Temperature (°C)	Highest Daily Minimum Temperature (°C)	Monthly Total Precipitation (mm)	Normal Value (1981-2010)	Difference from Normal Value
41	POLIS CHRYSOCHOUS	33.6	33.3	0.3	37.9	30.0	22.6	21.5	1.1	19.3	24.4	0.0	0.0	0.0
82*	PAFOS (AIRPORT)	31.5	30.5	1.0	32.7	30.5	22.4	21.1	1.3	19.4	29.0	0.0	0.0	0.0
225	PRODROMOS (C.F.C.)	29.6	28.0	1.6	32.7	24.4	17.3	18.1	-0.8	12.9	20.2	0.0	12.0	-12.0
666*	ATHALASSA (RADIOSONDE)	38.5	36.9	1.6	41.1	35.3	23.1	21.9	1.2	19.5	27.7	0.0	1.8	-1.8
731	LARNAKA (AIRPORT)	33.9	32.9	1.0	37.4	31.9	24.0	22.3	1.7	21.7	29.1	0.0	0.3	-0.3
800**	ACHNA (DASAKI)	33.4	33.5	-0.1	38.6	31.3	22.8	22.0	0.8	20.4	27.5	0.0	0.1	-0.1

\* Pafos' and Athalassa's Station Normal Values cover the period 1983-2010  
\*\* Achna's Temperature Normal Values cover the period 1981-2007

= VALUES FROM AUTOMATIC WEATHER STATION

For the purpose of better visualization of **August** accumulated precipitation, a chart of Cyprus with the total preliminary accumulated precipitation is presented.



A Cyprus chart with the normal (period 1981 to 2010) accumulated precipitation for the month of **August** is also presented.

