

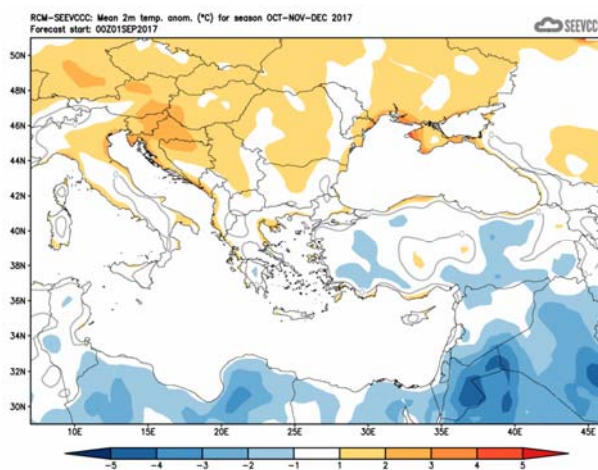
## Seasonal weather forecast for the months of October, November and December 2017

### General over view of the weather expected to prevail during October, November and December.

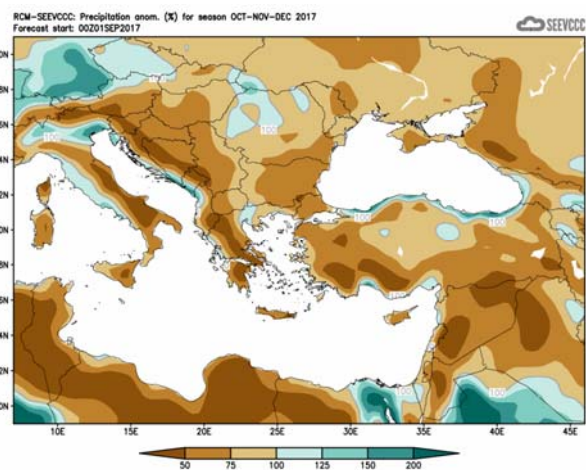
The weather for the following three months, namely **October, November** and **December 2017**, will be presented, with respect to the anomalies of temperature, and accumulated precipitation.

During the period in focus normal temperatures (both maximum and minimum) are significantly declining. The accumulated precipitation is increasing at accumulations almost double the accumulations of the previous month, since during the period the frequency of baroclinic depressions affecting the area is increasing significantly, resulting in higher accumulated precipitation amounts. From historical data **November** may initiate over the highest peaks of Troodos the snow fall period of the year, as a result of cold invasions associated with depressions affecting the area of the East Mediterranean.

Specifically, regarding the seasonal forecast for the period of **October, November** and **December 2017**, the temperature is expected to be generally normal. Normal temperature characterizes also the greater part of Asia Minor, the Balkans and Near and Middle East. The amount of the accumulated precipitation over the southern and eastern part of Cyprus is expected to range generally from 50% to 75% of normal, while over the west and north areas is expected to range generally from 75% of normal to normal. As it is generally viewed from the charts the coastal zone of the wider area will experience some higher than normal rainfall accumulations.



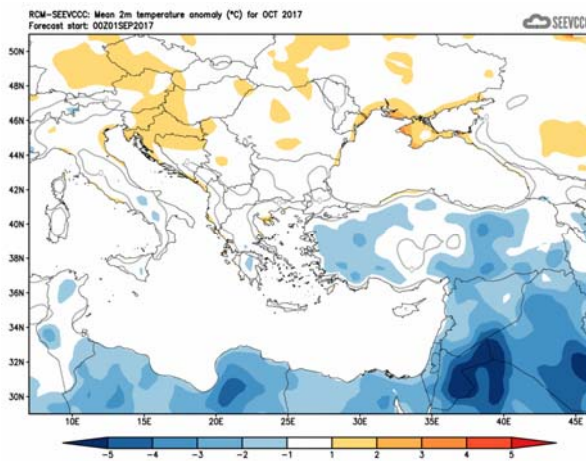
Divergence of temperature from normal from the mean seasonal temperature ( $^{\circ}\text{C}$ ) for October, November and December



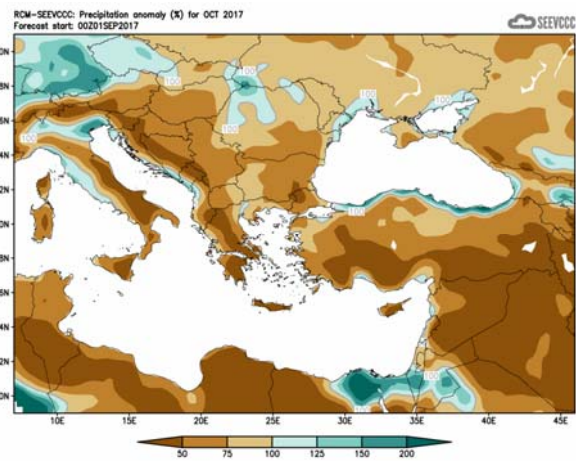
Percentage (%) of the mean seasonal accumulated precipitation compared to the mean normal for October, November and December

### Seasonal forecast in detail

The seasonal forecast suggests that **October's** temperature will be generally normal while the greater area is characterized by slightly lower than normal temperatures. Regarding the accumulated precipitation for the western, northern and mountainous areas will range up to normal, while for the rest of the areas will range from 50% to 75% of normal. The coastal surrounding zone of the eastern Mediterranean is expected to have similar conditions except Egypt and Israel.

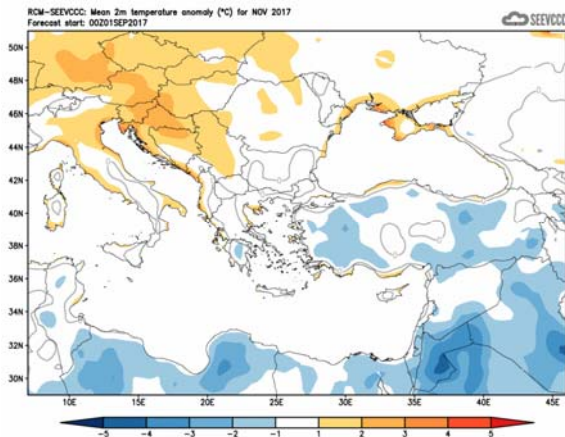


Divergence of the mean monthly temperature ( $^{\circ}\text{C}$ ) from normal during October

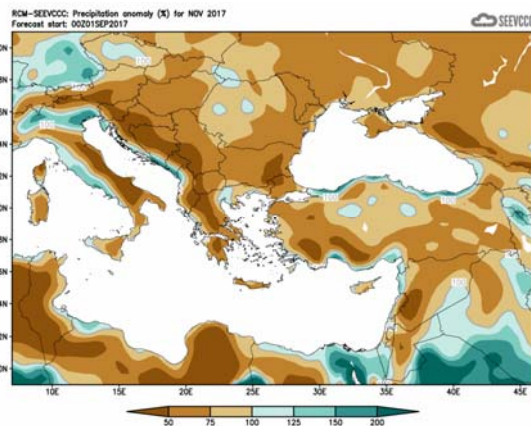


Percentage of the mean monthly precipitation (%) compared with the normal of October

The seasonal forecast for **November** suggests that temperature will be generally normal. The accumulated precipitation for Cyprus will range over west and north part up to 125% of normal, while over the rest of the areas precipitation will range to percentages lower than normal. The coastal zone of the surrounding area will receive again relatively high precipitation accumulation.

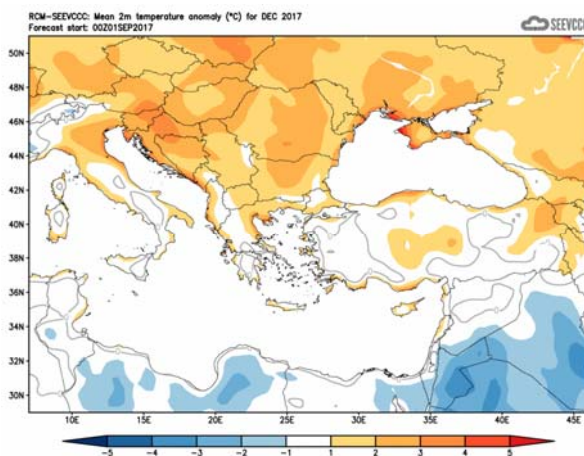


Divergence of the mean monthly temperature (°C) from normal during November

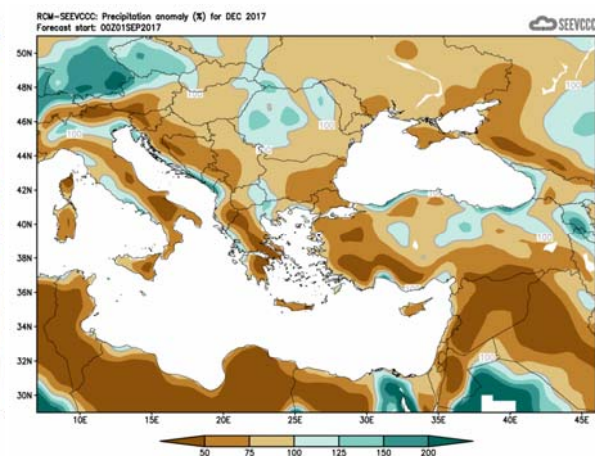


Percentage of the mean monthly precipitation (%) compared with the normal of November

The seasonal forecast for **December** suggests that temperature will be generally normal inland but slightly above normal (by 1°C to 2°C) over the coastal zone, which is also a characteristic of the coastal zone of the surrounding area. The amount of the accumulated precipitation is expected to range generally from 50% to 75% of normal all over the island, while over the west and north areas is expected to range generally from 75% of normal to normal. As it is generally viewed from the charts the coastal zone of the wider area will experience some higher than normal rainfall accumulations.



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



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

**Normal values of temperature (mean maximum and mean minimum) and accumulated precipitation for October, November and December 2017**

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 **December** as the coldest month of the period. On the other hand the accumulated precipitation is increasing significantly towards **December**, as presented by the climatological data shown on the table below. It is worth noting that the score of the accumulated precipitation is almost double every next month for each station if compared to the score of the previous month, and this 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)		
	October	November	December	October	November	December	October	November	December
<b>NORTH COAST</b>	26.4	21.7	18.0	16.1	12.2	9.3	30.3	58.6	93.6
<b>WEST COAST*</b>	26.4	22.4	18.9	16.4	12.9	10.0	27.4	52.6	90.1
<b>MOUNTAINOUS AREAS</b>	19.2	12.8	8.3	10.9	6.1	2.6	34.4	93.8	157.3
<b>INLAND*</b>	28.4	22.1	17.3	15.2	10.4	7.0	20.7	43.2	57.2
<b>SOUTH COAST</b>	27.8	22.6	18.6	16.7	12.4	9.2	16.0	46.8	79.0
<b>EAST COAST**</b>	28.5	22.4	18.0	16.7	11.8	8.3	19.9	44.0	76.8

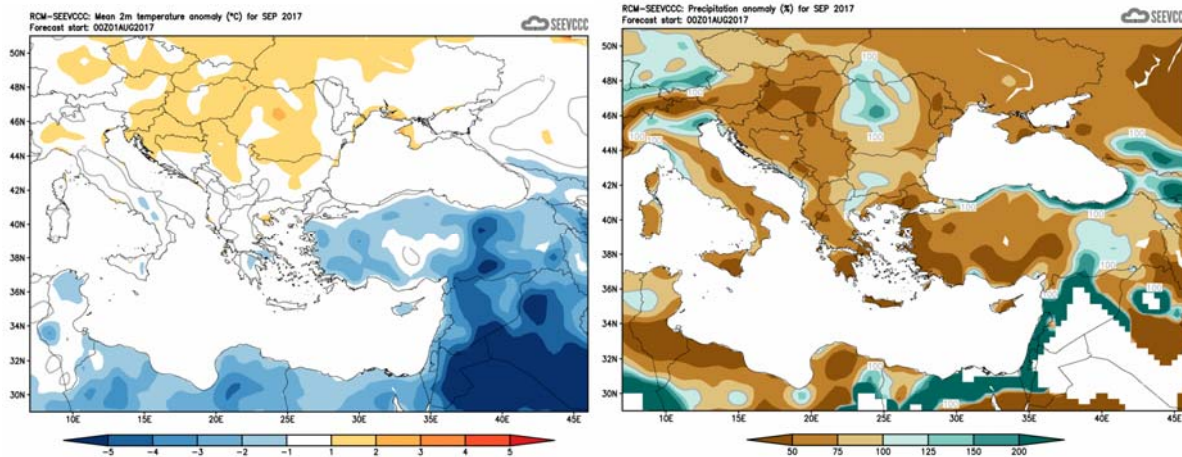
\* West Coast and Inland Values cover the period 1983-2010

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



## Evaluation of Septembers seasonal forecast for the area of Cyprus

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

Concerning the models evaluation for **September** a general judgment is that the model did not perform so well concerning the temperature. The entire mean daily maximum was around normal, except the station of Prodromos and the station of Athalassa where the mean daily maximum temperature was above normal. Also, the entire mean daily minimum was again around normal, except the station of Athalassa, Larnaka and Achna where the mean daily minimum temperatures were below normal.

Extremes were also recorded with positive departures greater than 4°C, like Prodromos station where the highest daily maximum temperature (32.8°C) was 8.2°C greater than normal (24.6°C) and Athalassa station, where the highest daily maximum temperature (39.9°C) was 6.3°C greater than normal (33.6°C). Daily minimum temperatures was also recorded, with negative departure greater than 4°C below normal at Prodromos station, where a minimum of 10°C was 4.9°C below station's normal (14.9°C).

From the provisional data recorded by the Department of Meteorology the model did not perform so well over the amount of the accumulated precipitation, as the actual accumulated precipitation was much more below the expected. On the 1<sup>st</sup>, 19<sup>th</sup>, 21<sup>st</sup>, 29<sup>th</sup> and 30<sup>th</sup> of **September** episodes of thundery activity and isolated showers in some areas resulted in accumulated precipitation of 22% of normal. It is worth mentioning that on 21<sup>st</sup> of **September** hail was reported.

**ΠΡΟΚΑΤΑΡΚΤΙΚΑ ΔΕΔΟΜΕΝΑ ΘΕΡΜΟΚΡΑΣΙΑΣ ΚΑΙ ΒΡΟΧΟΠΤΩΣΗΣ ΓΙΑ ΤΟ ΣΕΠΤΕΜΒΡΙΟ 2017**

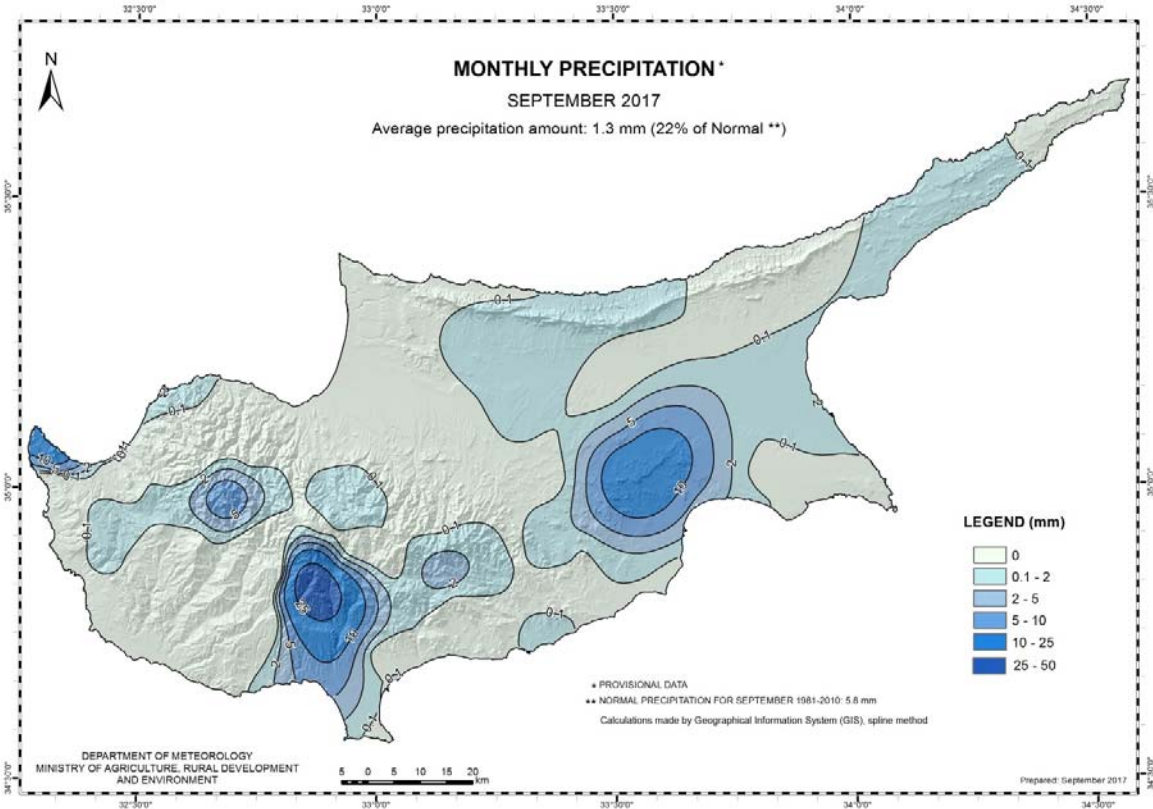
Αρ. Στ.	Όνομασία Σταθμού	Μέση	Κανονική	Διαφορά	Ψηλότερη	Χαμηλότερη	Μέση	Κανονική	Διαφορά	Χαμηλότερη	Ψηλότερη	Μηνιαία	Κανονική	Διαφορά
		Ημερήσια	Τιμή (1981-2010)		Ημερήσια	Ημερήσια	Ημερήσια	Ελάχιστη		Τιμή (1981-2010)	Ημερήσια		Ημερήσια	
		Θερμοκρ. (°C)		από την Κανονική Τιμή	Θερμοκρ. (°C)	Θερμοκρ. (°C)	Θερμοκρ. (°C)		από την Κανονική Τιμή	Θερμοκρ. (°C)	Θερμοκρ. (°C)	βροχόπτ. (mm)		από την Κανονική Τιμή
41	ΠΟΛΙΣ ΧΡΥΣΟΧΟΥΣ	29.9	30.1	-0.2	33.8	27.5	19.3	19.2	0.1	16.8	21.9	0.0	4.0	-4.0
82*	ΠΑΦΟΣ (ΑΕΡΟΔΡ.)	30.0	29.0	1.0	32.6	27.9	20.1	19.1	1.0	16.3	24.3	0.0	3.6	-3.6
225	ΠΡΟΔΡΟΜΟΣ (ΔΑΣ.ΚΟΛΛ.)	27.4	24.6	2.8	32.8	19.9	15.6	14.9	0.7	10.0	20.3	0.0	10.7	-10.7
666*	ΑΘΑΛΑΣΣΑ (ΡΑΔΙΟΒΟΛΙΣΗ)	35.3	33.6	1.7	39.9	30.6	20.1	18.8	1.3	16.4	24.8	0.1	12.2	-12.1
731	ΛΑΡΝΑΚΑ (ΑΕΡΟΔΡ.)	31.6	30.9	0.7	35.3	28.7	21.4	19.8	1.6	16.9	23.5	0.0	4.3	-4.3
800**	ΑΧΝΑ (ΔΑΣΑΚΙ)	31.8	31.9	-0.1	36.5	28.1	20.8	19.6	1.2	16.8	24.2	0.2	2.9	-2.7

\* Οι Κανονικές Τιμές Πάφου και Αθαλάσσας καλύπτουν την περίοδο 1983-2010

\*\* Οι Κανονικές Τιμές Θερμοκρασίας της Άχνας καλύπτουν την περίοδο 1981-2007

= ΤΙΜΕΣ ΑΠΟ ΑΥΤΟΜΑΤΟ ΜΕΤΕΩΡΟΛΟΓΙΚΟ ΣΤΑΘΜΟ

For the purpose of better visualization of **September** 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 **September** is also presented.

