

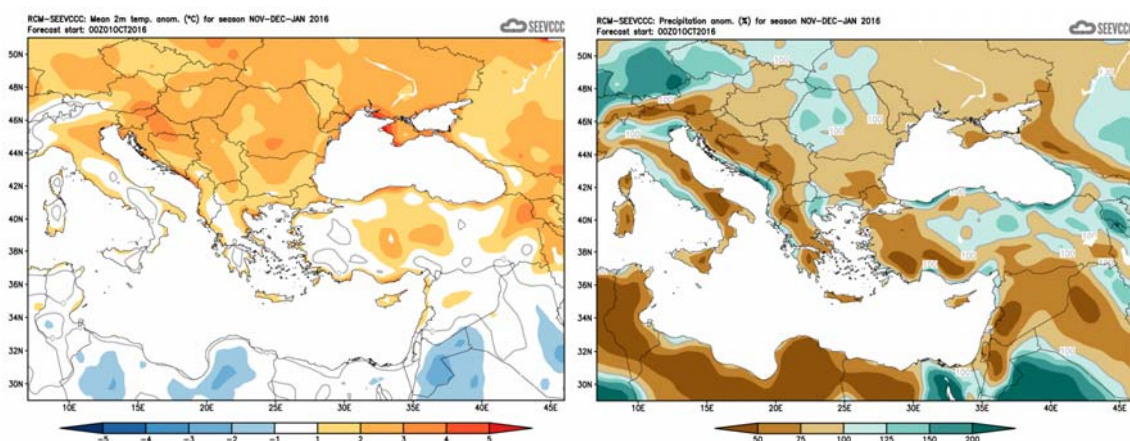
## Seasonal weather forecast for the months of November, December 2016 and January 2017

### General over view of the weather expected to prevail during November, December 2016 and January 2017.

The weather for the following three months, namely **November, December 2016** and **January 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 with the accumulation of the **December** almost double the accumulations of **November**. 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 **November, December 2016** and **January 2017**, the temperature is expected to be generally normal or slightly above normal. Normal to above than normal temperature characterizes also Asia Minor and the Balkans. 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 part will range from 75% of normal to normal. As it is generally viewed from the charts the coastal zone of the wider area will experience moderate to high rainfall accumulations.



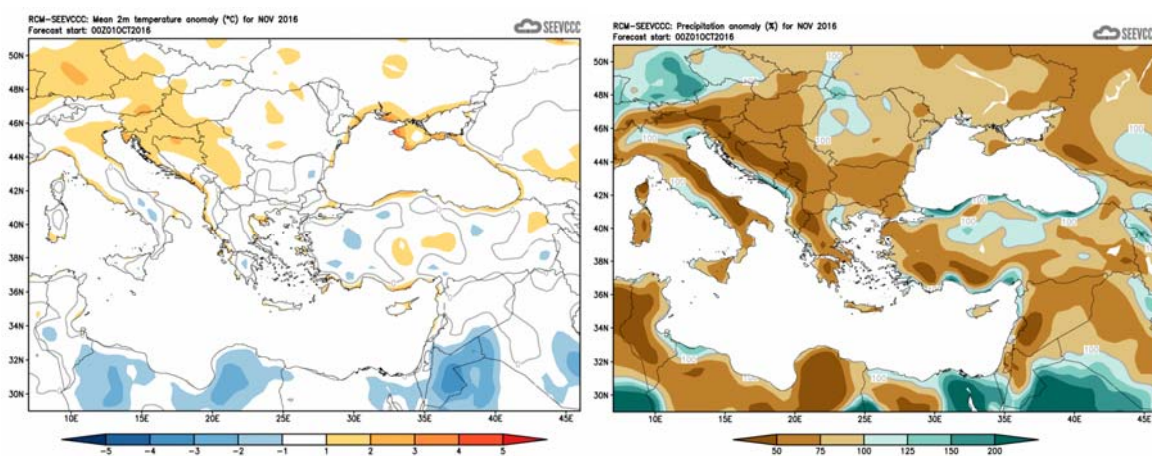
Divergence of temperature from normal from the mean seasonal temperature (°C) for November, December and January

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

## The seasonal monthly forecast in detail

### Seasonal forecast in detail

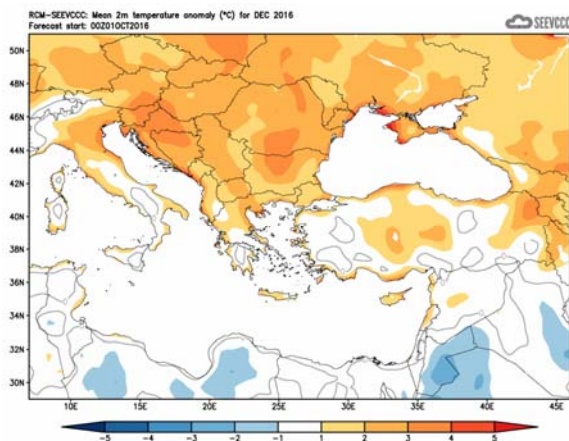
The seasonal forecast for **November** suggests that temperature of the island will be generally normal, such as the mean monthly temperature of the surrounding area. The accumulated precipitation for Cyprus will range over west and northwest part up to 125% of normal while over the rest of the areas will be ranging from 75% of normal to normal. The coastal zone of the surrounding area will receive again high precipitation accumulation.



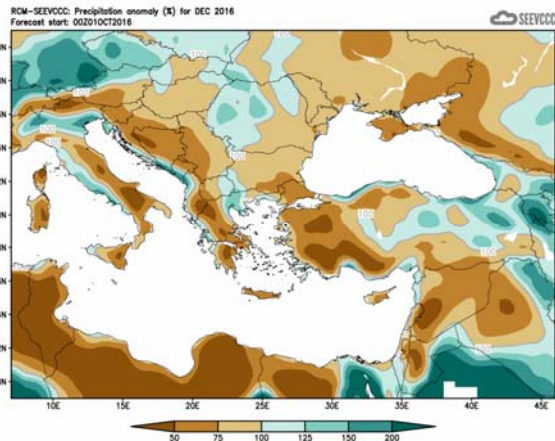
Divergence of the mean monthly temperature (°C)  
from normal during November

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

The seasonal forecast for **December** suggests that temperature will be generally above normal, especially over the coastal zone. The accumulated precipitation of **December** is disappointing since the forecast suggests a mainly dry month with accumulation ranging only from 50% to 75% of normal, except the western and northern part where the accumulation will range almost up to normal. Low accumulations are characterizing all the surrounding area.

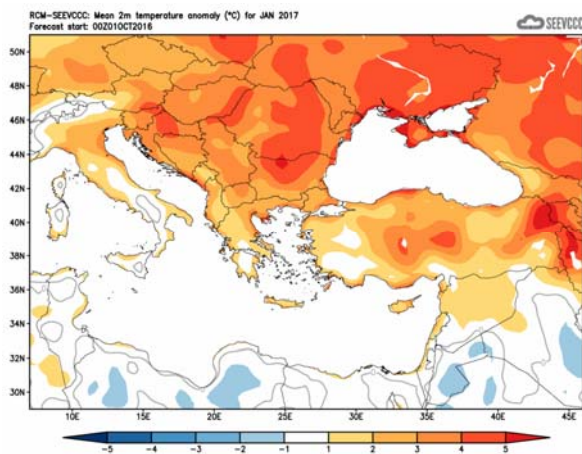


Divergence of the mean monthly temperature ( $^{\circ}\text{C}$ ) from normal during December

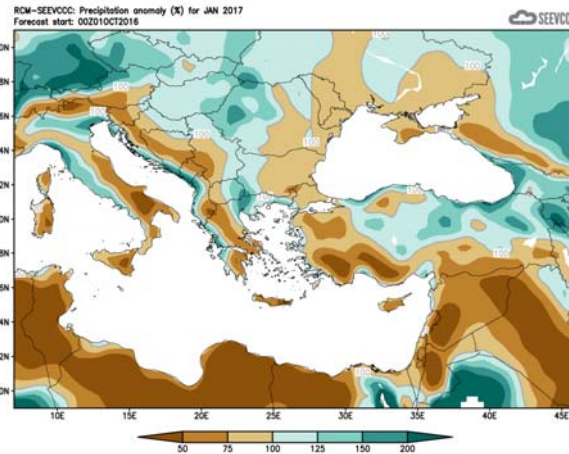


Percentage of the mean monthly precipitation (%) compared with the normal of December

The seasonal forecast for **January 2017** suggests that temperature will be above normal (by  $1^{\circ}\text{C}$  to  $3^{\circ}\text{C}$ ). The accumulated precipitation of **January** is again disappointing since the forecast suggests a mainly dry month with accumulation ranging not above 75% of normal, except the western part where the accumulation will range almost up to normal. Low accumulations are characterizing all the surrounding area.



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



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

**Normal values of temperature (mean maximum and mean minimum) and accumulated precipitation for November, December 2016 and January 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 **January** as the coldest month of the period. On the other hand the accumulated precipitation is increasing significantly towards **January**, 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 on **December** if compared to **November** remaining almost steady on **January**, and this as a result of the reoccurrence/redeveloping of depressions over the area of the east Mediterranean.

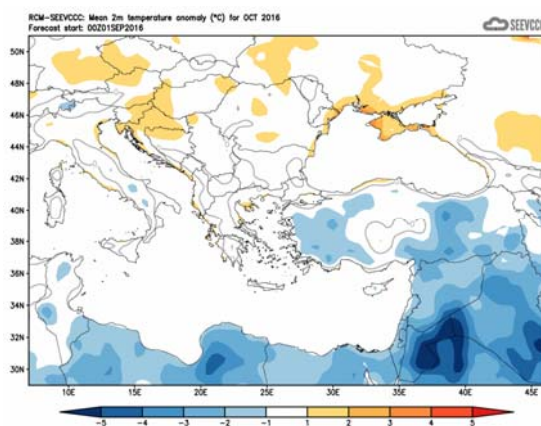
TEMPERATURE AND PRECIPITATION NORMAL VALUES FOR THE PERIOD 1981-2010									
Area Name	MEAN DAILY MAXIMUM TEMPERATURE (°C)			MEAN DAILY MINIMUM TEMPERATURE (°C)			MEAN MONTHLY TOTAL PRECIPITATION (mm)		
	November	December	January	November	December	January	November	December	January
NORTH COAST	21.7	18.0	16.3	12.2	9.3	7.6	58.6	93.6	85.3
WEST COAST*	22.4	18.9	17.1	12.9	10.0	8.3	52.6	90.1	78.8
MOUNTAINOUS AREAS	12.8	8.3	6.3	6.1	2.6	0.7	93.8	157.3	150.0
INLAND*	22.1	17.3	15.5	10.4	7.0	5.4	43.2	57.2	48.8
SOUTH COAST	22.6	18.6	16.8	12.4	9.2	7.5	46.8	79.0	73.7
EAST COAST**	22.4	18.0	16.3	11.8	8.3	6.6	44.0	76.8	67.3

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

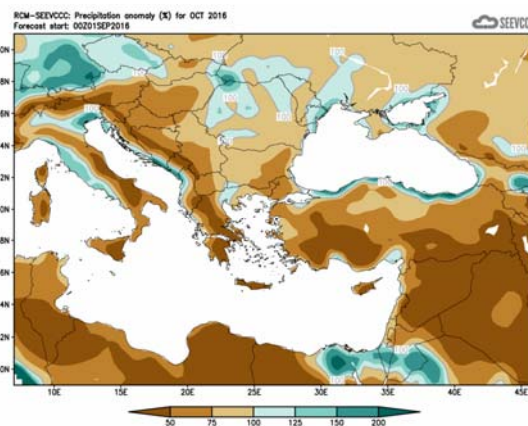
\*\* East Coast Temperature Values cover the period 1981-2007

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

The seasonal forecast suggested that **October's** temperature will be generally normal while the greater area was characterized by slightly lower than normal temperatures. Regarding the accumulated precipitation for the western, northern and mountainous areas a range from 50% to 75% was forecasted, while over the rest of the areas an accumulation ranging not above 50% of normal was forecasted. Low accumulations were characterizing all the surrounding area.



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



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

From the provisional data recorded by the Department of Meteorology, for the selected portion of the meteorological stations, which are presented in the table below, is evident that the model performed moderate over the anomalies of temperature and accumulated precipitation. While the model was suggesting a normal **October** the recorded data were found to result in higher than normal temperatures for almost all the selected stations. Highest daily maximum and highest daily minimum temperatures (recorded temperature greater than normal by 4°C) were recorded for almost all selected stations mainly during the period from 2<sup>nd</sup> to 14<sup>th</sup> of **October**.

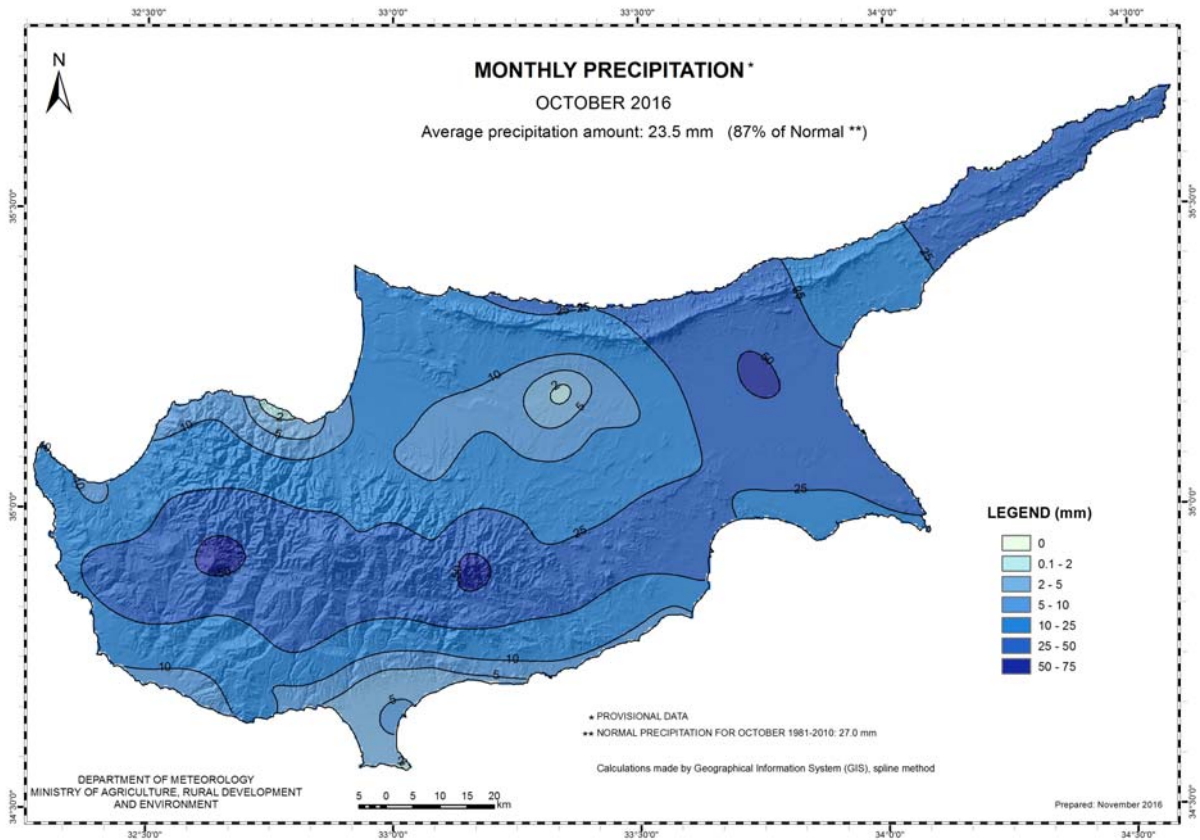
As regarding the accumulated precipitation, October had a score of 87% of normal, recorded mainly on 31<sup>st</sup> of October, with the main areas of precipitation being over the mountains and over northeastern of the island.

TEMPERATURE AND PRECIPITATION PROVISIONAL DATA FOR OCTOBER 2016														
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	29.3	26.4	2.9	33.2	26.3	17.8	16.1	1.7	15.7	20.0	19.2	30.3	-11.1
82*	PAFOS (AIRPORT)	27.8	26.4	1.4	30.3	25.4	17.3	16.4	0.9	14.9	19.6	7.8	27.4	-19.6
225	PRODROMOS (C.F.C.)	21.5	19.2	2.3	25.9	14.8	11.6	10.9	0.7	8.4	16.3	35.7	34.4	1.3
666*	ATHALASSA (RADIOSONDE)	30.3	28.4	1.9	35.2	26.5	16.5	15.2	1.3	12.2	19.9	8.5	20.7	-12.2
731	LARNAKA (AIRPORT)	28.8	27.8	1.0	32.9	26.7	18.2	16.7	1.5	14.7	20.9	23.8	16.0	7.8
800**	ACHNA (DASAKI)	28.7	28.5	0.2	34.0	26.2	17.0	16.7	0.3	12.7	20.7	25.0	19.9	5.1

\* 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 **October** 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 **October** is also presented.

