

Seasonal weather forecast for the months of

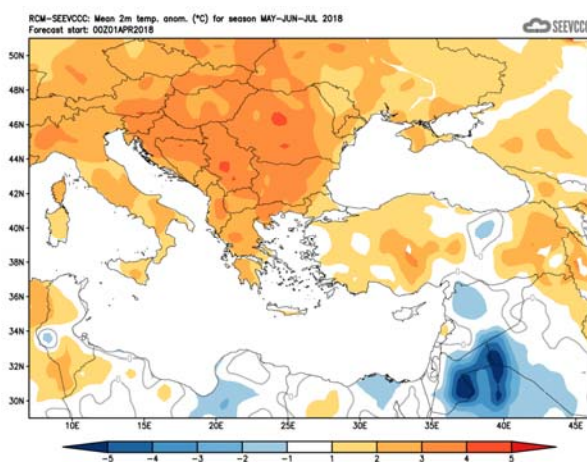
May, June and July 2018

General over view of the weather expected to prevail for May, June and July.

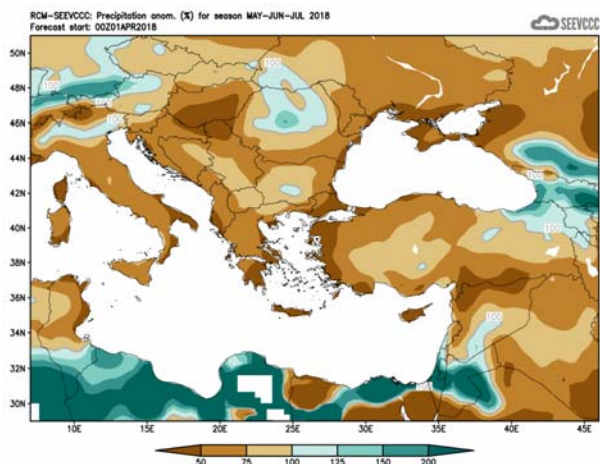
The weather for the following three months, namely **May, June and July 2018**, will be presented, with respect to the anomalies of temperature, and accumulated precipitation. Normal temperatures (both maximum and minimum), are on the rise suggesting July as the hottest month of the year. The accumulated precipitation is at its lowest values. The period of the following three months is likely to be characterized as a series of unstable months, with outbreaks of thunderstorms, initiated from thermal (mainly) causes or over the mountainous range from orographic lifting.

Specifically, regarding the seasonal forecast for the period of **May, June and July 2018**, the temperature will be generally normal (normal temperature characterizes the greater part of the continental area surrounding eastern Mediterranean while the Balkans will be warmer than normal). The amount of the accumulated precipitation is expected to range below 50% of normal over the entire island.

It must be mentioned that the over all normal precipitation of the months in discussion is not of that amount to contribute significantly to the annual normal precipitation.



Divergence of temperature from normal from the mean seasonal temperature (°C) for May, June and July

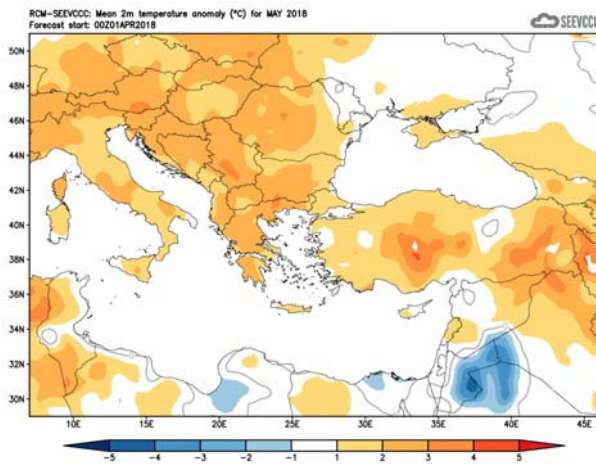


Percentage (%) of the mean seasonal accumulated precipitation compared to the mean normal for May, June and July

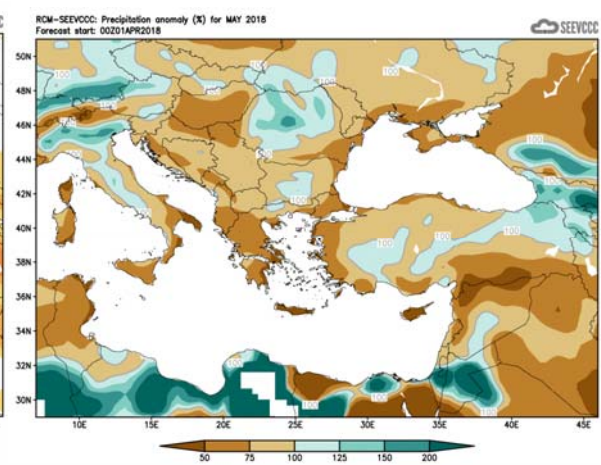
The seasonal monthly forecast in detail

May

The seasonal forecast suggests that **May's** temperature will be generally possibly warmer by 1° to 2°C than normal, while normal to above normal is suggested to be over most parts of the surrounding area. Regarding the accumulated precipitation is expected to range below 50% of normal over the island.



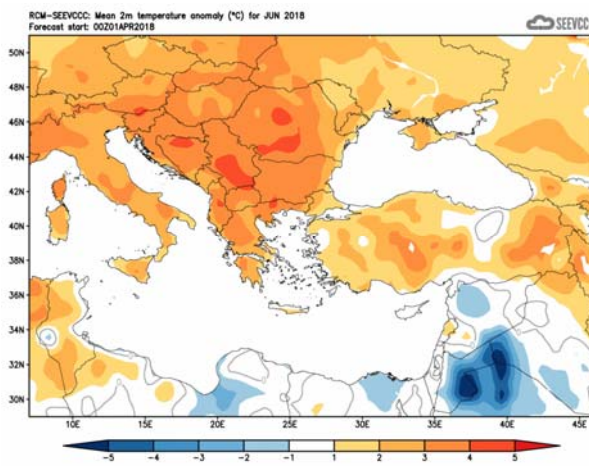
Divergence of the mean monthly temperature (°C) from normal during May



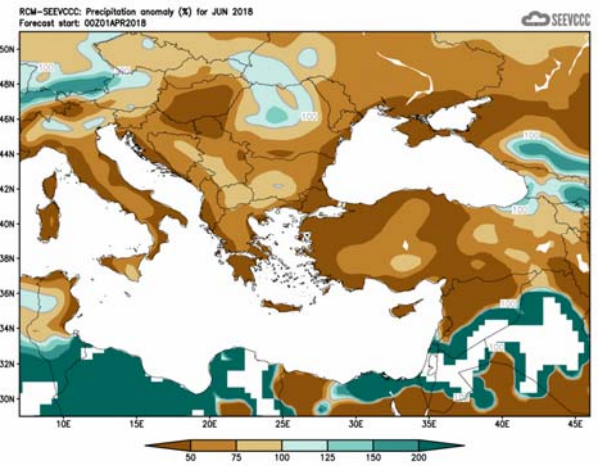
Percentage of the mean monthly precipitation (%) compared with the normal of May

June

The seasonal forecast suggests that **June's** temperature will be generally normal, while as **May's** forecast suggested the surrounding area will be mostly characterized with normal to above normal temperatures. Regarding the accumulated precipitation Cyprus is expected to be again with the accumulated precipitation ranging below 50% of normal.



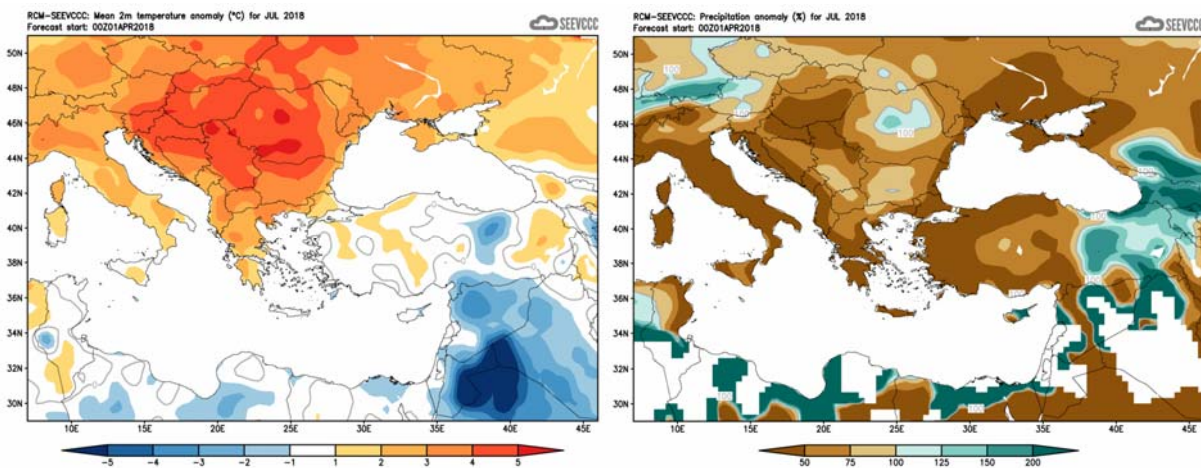
Divergence of the mean monthly temperature (°C) from normal during June



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

July

The seasonal forecast suggests that **July's** temperature will be generally normal, except over the east part that will be 1 to 2°C below normal. Regarding the accumulated precipitation over the west part is expected to range below 50% of normal but over the east part the accumulated precipitation will be up to 200%.



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

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

Normal values of temperature and accumulated precipitation for May, June and July 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 period of forecast is the transitional period in which the atmosphere switches from its winter pattern to the summer one. The temperature, both maximum and minimum, is on the rise with **July's** temperature significantly higher. Climatologically extreme high temperatures are recorded during **July**.

On the other hand, the accumulated precipitation is declining, as presented by the climatological data shown on the table below.

May, June and July are climatologically suggested to be unstable months with thundery activity initiated mainly by thermal causes or orographic uplift. From the table below, note also the effect of the mountainous area of Troodos range over the accumulated precipitation, mainly because of thundery activity, which is affecting primarily the mountainous ranges of the island. The accumulated precipitation over Prodromos station although declining towards **July** is always significantly higher, if compared to the accumulated precipitation of the other selected stations.

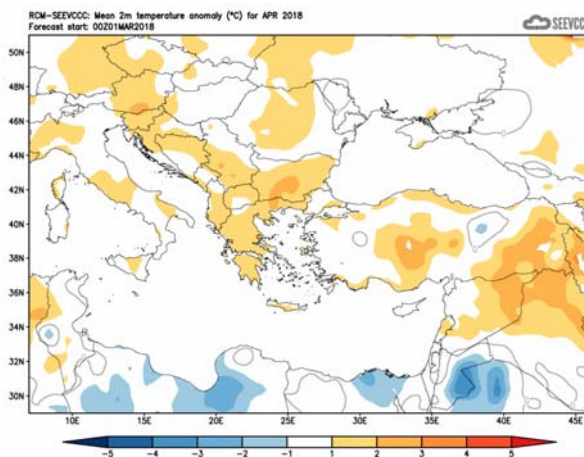
TEMPERATURE AND PRECIPITATION NORMAL VALUES FOR THE PERIOD 1981-2010									
Area Name	MEAN DAILY MAXIMUM TEMPERATURE (°C)			MEAN DAILY MINIMUM TEMPERATURE (°C)			MEAN MONTHLY TOTAL PRECIPITATION (mm)		
	May	June	July	May	June	July	May	June	July
NORTH COAST	25.8	30.3	33.4	14.3	18.5	21.1	7.6	1.8	0.1
WEST COAST*	24.5	27.6	29.9	14.7	18.0	20.6	6.1	1.3	0.2
MOUNTAINOUS AREAS	20.4	25.0	27.9	10.8	15.0	18.2	32.0	27.2	16.4
INLAND*	29.6	34.0	37.1	14.8	19.1	22.1	24.6	11.6	4.2
SOUTH COAST	26.4	30.2	32.5	15.7	19.4	22.0	9.8	2.0	0.5
EAST COAST**	27.4	31.0	33.2	14.9	18.9	21.8	10.7	1.8	0.1

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

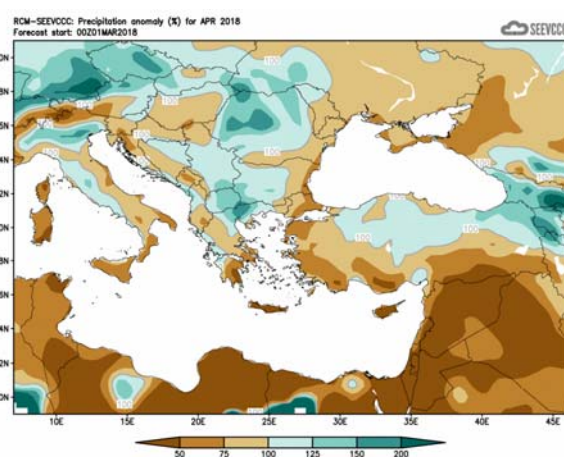
** East Coast Temperature Values cover the period 1981-2007

Evaluation of April's seasonal forecast for the area of Cyprus

The seasonal forecast suggested that **April's** temperature would be generally normal. Regarding the accumulated precipitation Cyprus was expected to be again in a dry zone extending from the Southern Balkans towards Near and Middle East. Thus, the accumulated precipitation was expected to range below 50% over the entire island.



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



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

Concerning the model's evaluation for **April**, a general judgement is that the model didn't performed well concerning temperature, but it performed relatively well concerning the accumulated precipitation. **April's** mean temperatures were above normal, something that the model did not suggested.

Extreme maximum values with great departures (greater than 4°C) from normal were frequently recorded in all stations. A few daily minimum temperatures that were below, normal (deviating by 4°C or more from normal) were also recorded in a few stations.

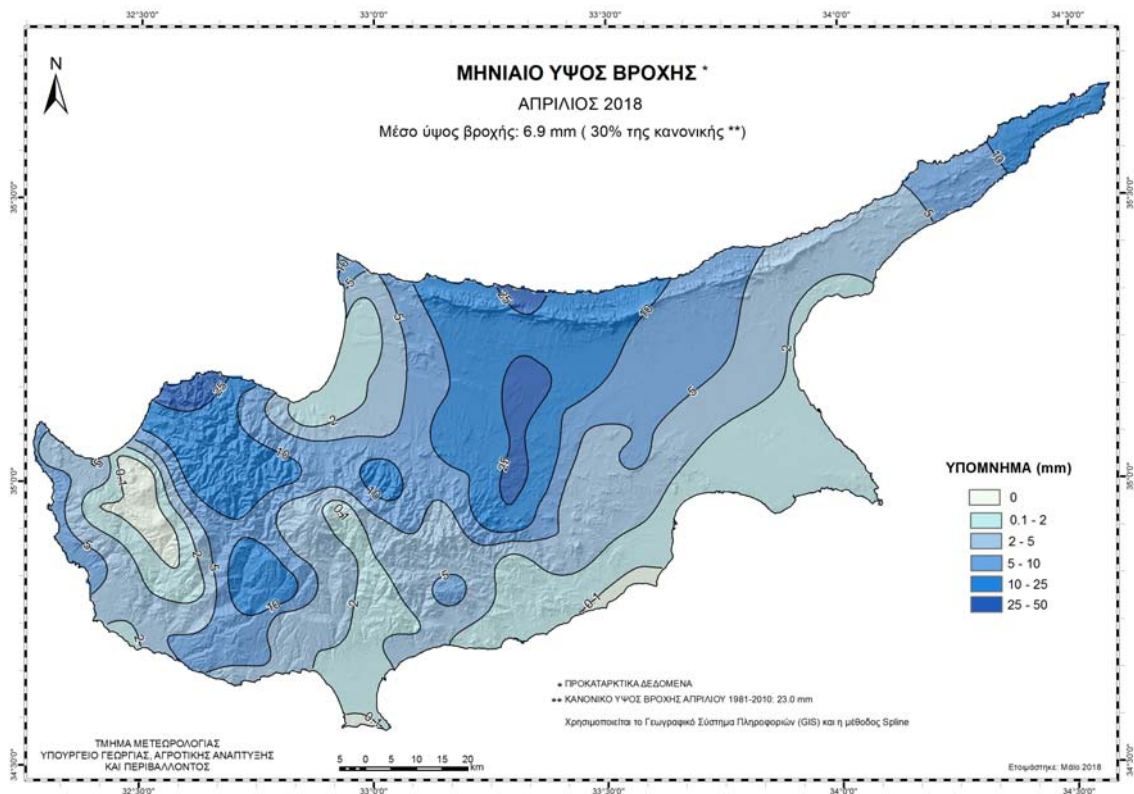
From the distribution (provisional accumulated precipitation chart) of the accumulated precipitation of the month the mean surface distribution was well below normal (reaching 6.9mm or 30% of normal).

TEMPERATURE AND PRECIPITATION PROVISIONAL DATA FOR APRIL 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	24.4	21.6	2.8	29.5	20.7	12.4	10.8	1.6	8.8	16.6	1.2	21.8	-20.6
82*	PAFOS (AIRPORT)	23.7	21.5	2.2	28.7	20.8	12.2	11.5	0.7	8.4	18.4	1.0	15.2	-14.2
225	PRODROMOS (C.F.C.)	19.3	15.5	3.8	25.7	10.3	8.8	6.6	2.2	3.3	13.8	2.6	47.2	-44.6
666*	ATHALASSA (RADIOSONDE)	29.6	24.4	5.2	34.4	21.4	13.5	10.4	3.1	8.7	20.1	13.4	19.1	-5.7
731	LARNAKA (AIRPORT)	25.4	22.7	2.7	28.9	21.9	14.3	11.8	2.5	10.4	22.4	0.8	14.2	-13.4
800**	ACHNA (DASAKI)	26.5	23.2	3.3	39.3	20.5	13.3	10.9	2.4	8.3	20.2	0.4	19.7	-19.3

* 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 better visualization of **April** 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 **April** is also presented.

