

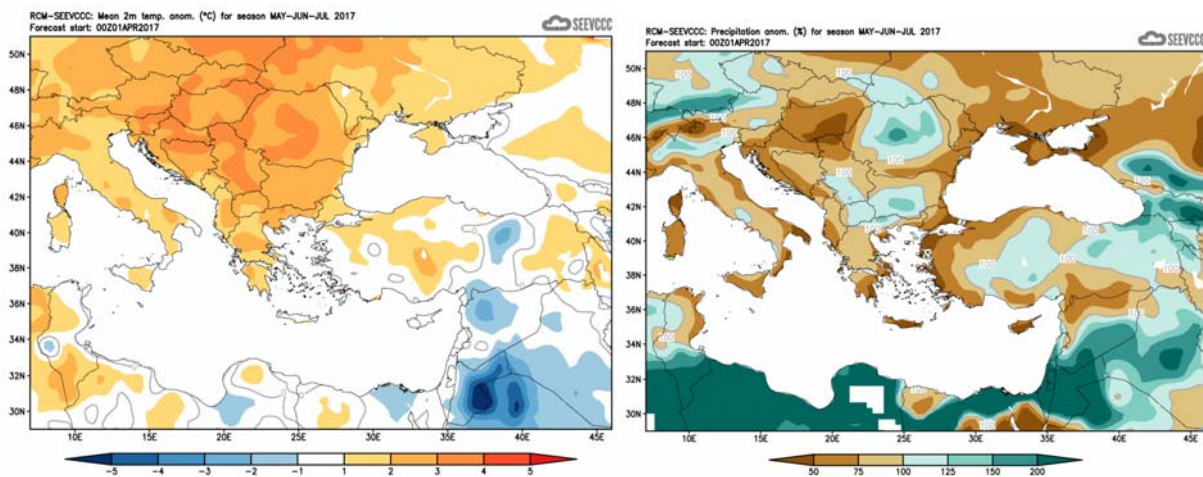
Seasonal weather forecast for the months of

May, June and July 2017

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 2017**, 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 2017**, 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 75% of normal over north coast and below 50% over the rest of the island. The most surrounding areas have same characteristics.



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

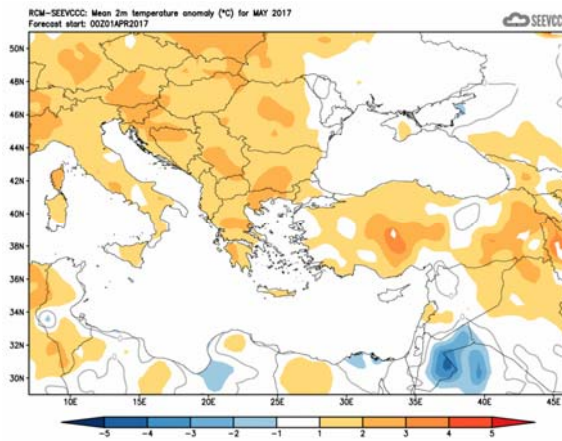
Percentage (%) of the mean seasonal accumulated precipitation compared to the mean normal for May, June and July

The seasonal monthly forecast in detail

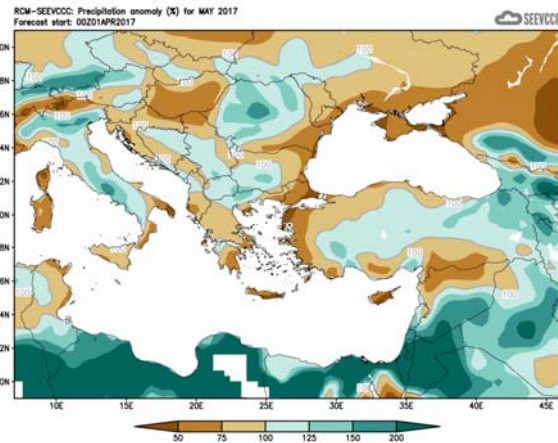
May

The seasonal forecast suggests that **May's** temperature will be generally normal while normal to slightly 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 south and east areas and below 75% over the rest of the island.



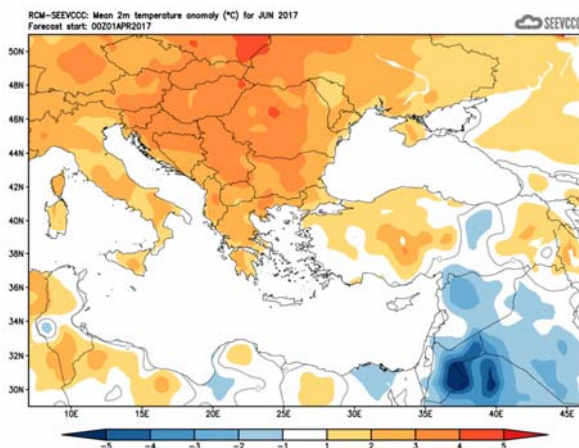
Divergence of the mean monthly temperature ($^{\circ}\text{C}$) from normal during May



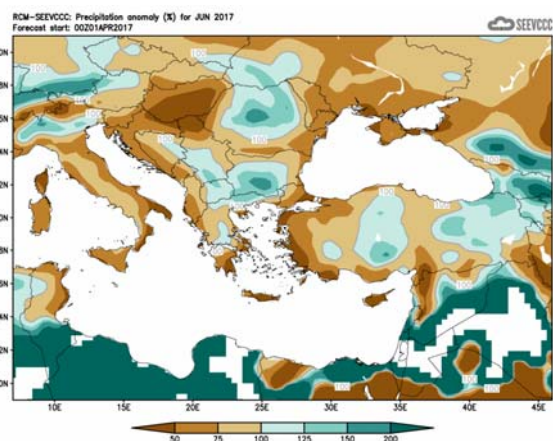
Percentage of the mean monthly precipitation (%) compared with the normal of May

June

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



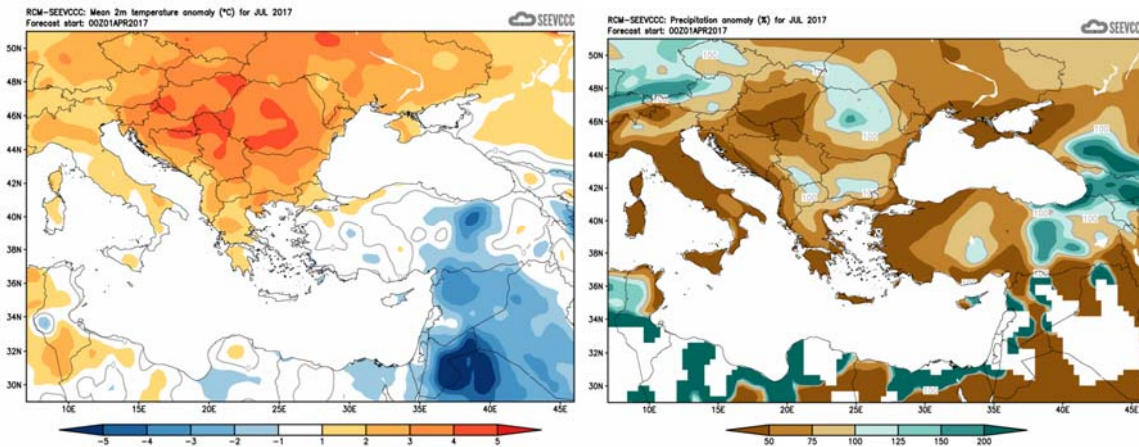
Divergence of the mean monthly temperature ($^{\circ}\text{C}$) from normal during June



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 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 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 as a result 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.

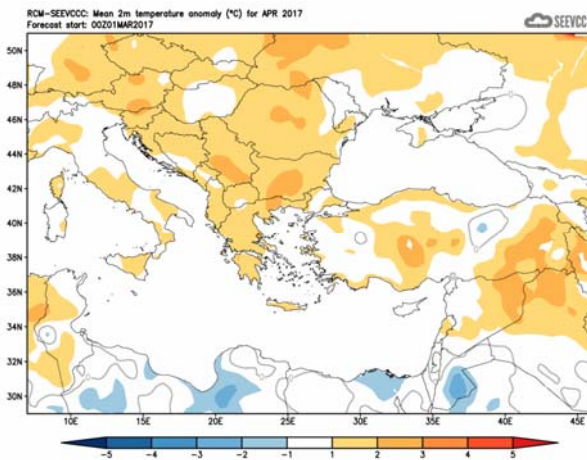
TEMPERATURE AND PRECIPITATION NORMAL VALUES FOR THE PERIOD 1981-2010									
Area Name	MEAN DAILY MAXIMUM TEMPERATURE (°C)			MEAN DAILY MINIMUM TEMPERATURE (°C)			MEAN MONTHLY TOTAL PRECIPITATION (mm)		
	May	June	July	May	June	July	May	June	July
NORTH COAST	25.8	30.3	33.4	14.3	18.5	21.1	7.6	1.8	0.1
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

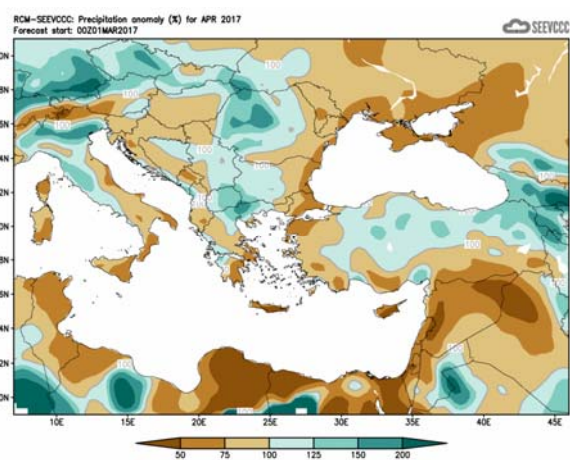
** East Coast Temperature Values cover the period 1981-2007

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

The seasonal forecast suggested that **April's** temperature would be generally normal. Normal to slightly above normal temperature characterized all the surrounding area. 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 most areas of the island except the northern part that would range between 50% and 75%.



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 models evaluation for **April**, a general judgement is that the model performed well concerning temperature, but not so well concerning the accumulated precipitation. **April's temperatures** were around normal, something that the model suggested.

Extreme maximum values with great departures from normal were recorded. As an example, Prodomos and Athalassa recorded a highest daily maximum of 26.4°C (with the normal being 15.5°C) and 33.0°C (with the normal being 24.4°C) respectively. A daily maximum temperature of 6.7°C (with a normal of 15.5°C) that was well below normal was recorded at Prodomos station. Daily minimum temperatures that were not only below, but also above normal (deviating by 4°C or more from normal) were also recorded in many stations. As an example note the highest daily minimum temperature of Prodomos on the 30th of **April** that was 14.9°C (with a normal of 6.6°C) and the highest daily minimum of Athalassa on the 28th of **April** that was 17.2°C (with a normal of 10.4°C).

From the distribution (provisional accumulated precipitation chart) of the accumulated precipitation of the month the mean surface distribution was below normal (reaching 18.3mm or 80% of normal), but not as low as the model suggested. It is obvious, that the model did not perform so well concerning the accumulated precipitation.

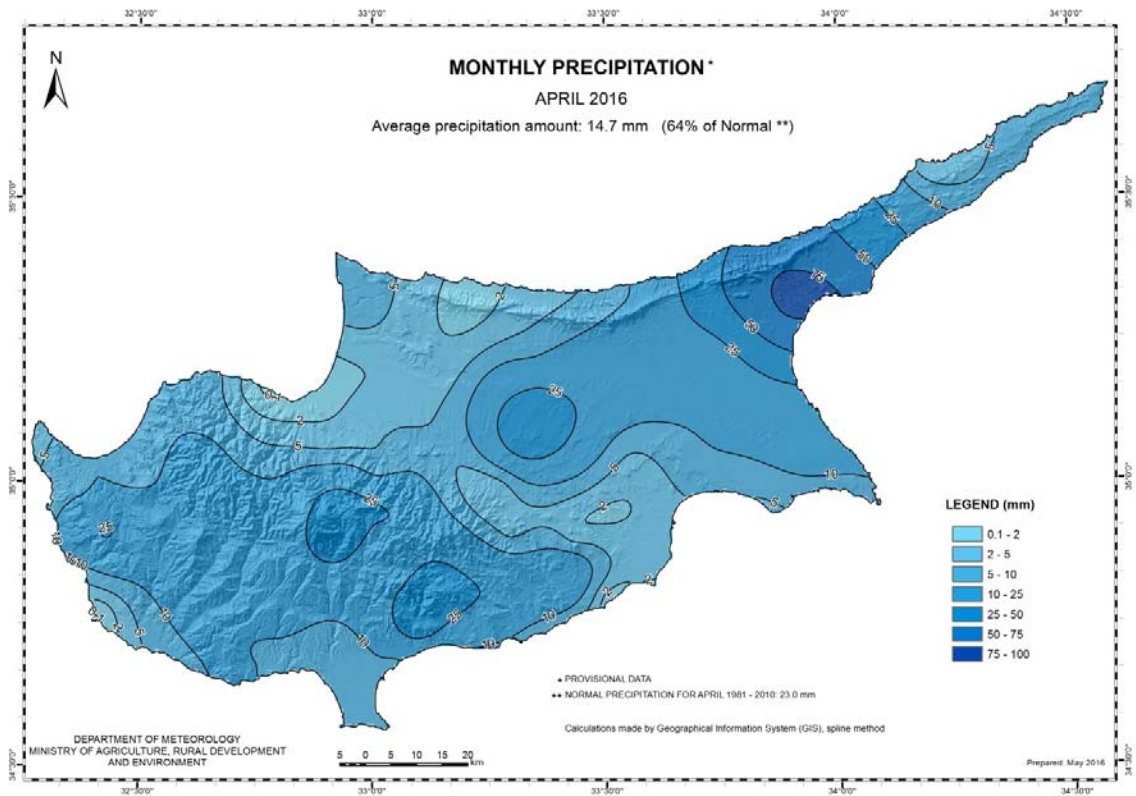
It is worth mentioning that from the provisional data on the 2nd and between 12th and 14th of the month hail was reported.

TEMPERATURE AND PRECIPITATION PROVISIONAL DATA FOR APRIL 2017														
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	22.5	21.6	0.9	29.6	18.2	10.4	10.8	-0.4	7.1	14.2	2.9	21.8	-18.9
82*	PAFOS (AIRPORT)	22.6	21.5	1.1	27.6	19.8	12.1	11.5	0.6	8.3	16.9	2.6	15.2	-12.6
225	PRODROMOS (C.F.C.)	16.4	15.5	0.9	26.4	6.7	6.2	6.6	-0.4	1.3	14.9	23.5	47.2	-23.7
666*	ATHALASSA (RADIOSONDE)	24.6	24.4	0.2	33.0	19.2	11.5	10.4	1.1	6.6	17.2	54.2	19.1	35.1
731	LARNAKA (AIRPORT)	22.9	22.7	0.2	28.3	17.5	12.7	11.8	0.9	8.9	18.4	23.4	14.2	9.2
800**	ACHNA (DASAKI)	23.7	23.2	0.5	30.8	18.3	11.8	10.9	0.9	6.6	15.7	13.6	19.7	-6.1

* 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 **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.

