

Seasonal weather forecast for the months of

March, April and May 2019

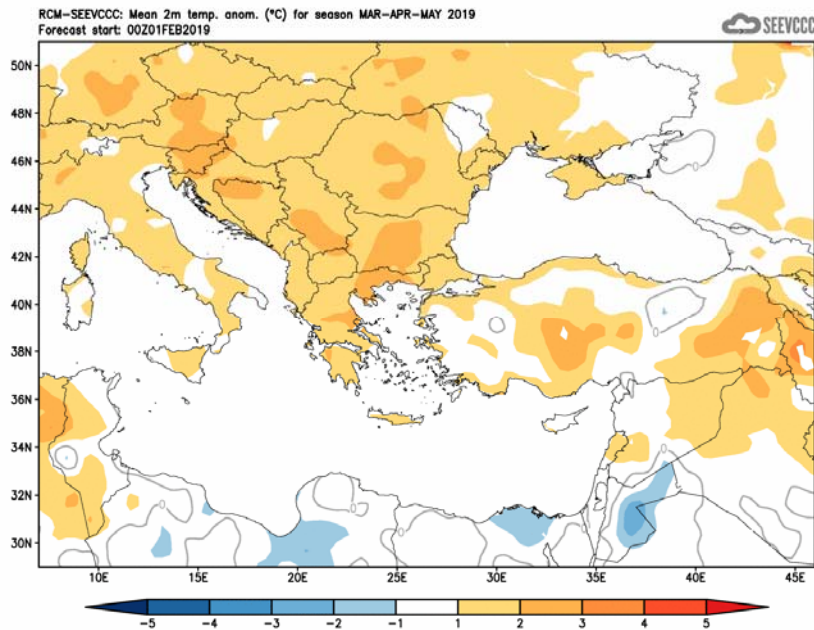
General over view of the weather expected to prevail for March, April and May.

The weather for the following three months, namely **March, April and May 2019**, will be presented, with respect to the anomalies of temperature, and accumulated precipitation. Normal temperatures (both maximum and minimum), after noting their lower annual values during **February** (relevant data not presented), will start rising during **March**, followed by a further significant rise on **April and May**. Nevertheless, cold outbreaks, even not frequent, are not rare during **March**. The accumulated precipitation starts declining, since barometric systems resulting in from dynamic causes, are not frequent during **March, April and May**.

The period of the following three months (**March, April and May**) is likely to be characterized as a series of unstable months, with outbreaks of thunderstorms, initiated either from dynamic or mainly thermal causes (with varying weight). Also, the period is characterized by dust incidents, which sometimes are severe.

Seasonal forecast for the next three months

Specifically regarding the seasonal forecast for the period **March, April and May 2019**, the temperature will be generally normal (normal to slightly above normal temperature characterizes the greater part of the continental area surrounding eastern Mediterranean).



I Divergence of temperature from normal from the mean seasonal temperature (°C) for March, April and May

Regarding March precipitation it's expected that it will reach the month's normal.

Normal values of temperature and accumulated precipitation for March, April and May

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 Mays temperature significantly higher than March temperature.

On the other hand the accumulated precipitation is declining, as presented by the climatological data shown on the table below. During **March** the accumulated precipitation notes a significant decline (if compared to **February** (not presented) which suggests that the frequency of the approaching barometric lows declines. A further decline of the accumulated precipitation is observed on **April** and **May**.

March, April and **May** are climatologically suggested to be unstable months with thundery activity initiated mainly from thermal causes and or dynamical causes. 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 May is always significantly higher, if compared to the accumulated precipitation of the other selected stations.

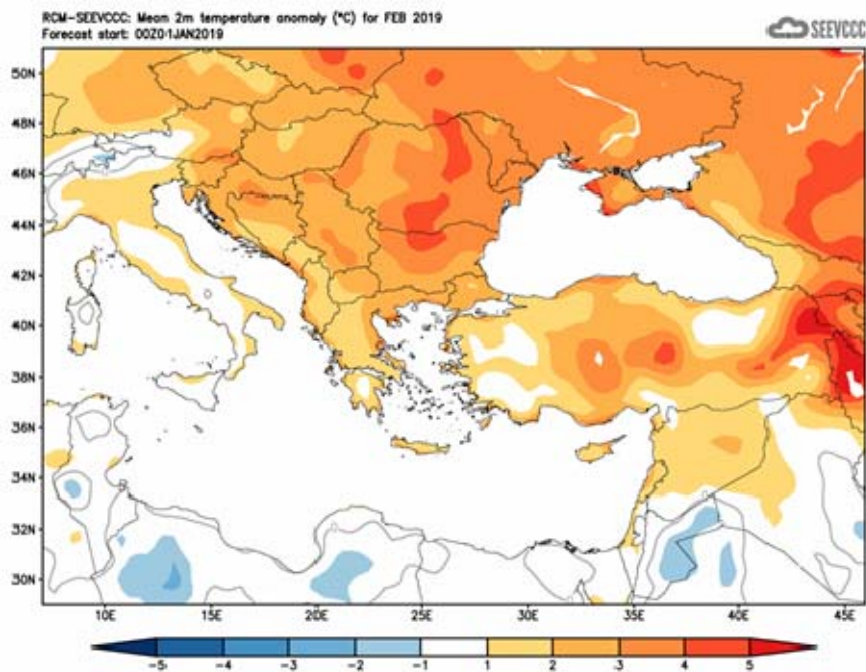
TEMPERATURE AND PRECIPITATION NORMAL VALUES FOR THE PERIOD 1981-2010									
Area Name	MEAN DAILY MAXIMUM TEMPERATURE (°C)			MEAN DAILY MINIMUM TEMPERATURE (°C)			MEAN MONTHLY TOTAL PRECIPITATION (mm)		
	Mar	Apr	May	Mar	Apr	May	Mar	Apr	May
NORTH COAST	18.3	21.6	25.8	8.3	10.8	14.3	45.7	21.8	7.6
WEST COAST*	18.6	21.5	24.5	8.9	11.5	14.7	34.4	15.2	6.1
MOUNTAINOUS AREAS	10.4	15.5	20.4	2.8	6.6	10.8	92.1	47.2	32.0
INLAND*	19.2	24.4	29.6	6.9	10.4	14.8	31.9	19.1	24.6
SOUTH COAST	19.3	22.7	26.4	8.6	11.8	15.7	35.8	14.2	9.8
EAST COAST**	19.1	23.2	27.4	7.8	10.9	14.9	35.2	19.7	10.7

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

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

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

The seasonal forecast for **February** suggested a warmer than normal month. **February** would be warmer than normal by 1°C to 2°C. The above temperature characteristics applied also for the surrounding area.



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

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 well concerning the temperature anomaly.

The seasonal forecast for **February** suggested that temperature would be slightly above normal. From the recorded data is shown that mean daily maximum and most of the mean daily minimum temperatures were above normal.

The accumulated precipitation was very high as presented from the table above. From the distribution (provisional accumulated precipitation chart) of the accumulated precipitation of **February** is evident that the surface distribution was well above the expected reaching 144mm (208% of normal).

For the periods 5-10, 12-17 και 19-28 of **February** local showers, accompanied with thunderstorms most of the times, were recorded.

It is worth mentioning that on the 13th, 21st, 22nd, 23rd, 24th and the 28th of **February** hail was reported.

Based on the provisional data, snowfall was recorded during the periods 7-9, 13-16, 21-24 and 26-28 of **February**.

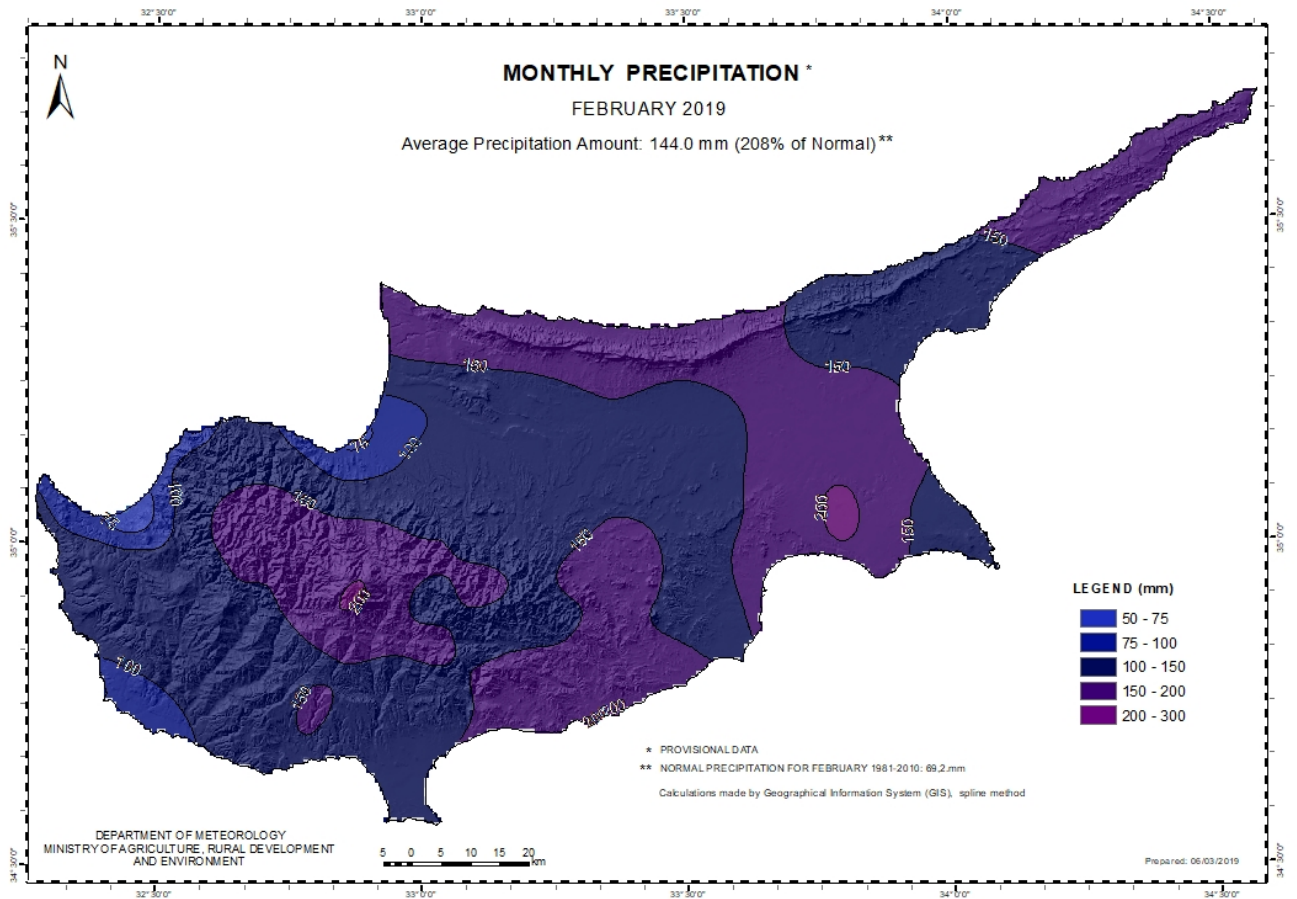
On the 6th and 14th of **February** EMMA yellow warnings were issued concerning rain and thunderstorms.

TEMPERATURE AND PRECIPITATION PROVISIONAL DATA FOR FEBRUARY 2019														
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	18.0	16.3	1.7	23.1	13.2	8.8	7.3	1.5	5.9	12.7	51.5	68.5	-17.0
82*	PAFOS (AIRPORT)	18.4	17.1	1.3	24.6	14.8	9.9	8.1	1.8	6.7	16.2	86.2	59.8	26.4
225	PRODOMOS (C.F.C.)	7.9	6.7	1.2	12.8	0.5	0.4	0.5	-0.1	-3.4	3.2	177.0	128.7	48.3
666*	ATHALASSA (RADIOSONDE)	17.9	16.0	1.9	21.9	11.0	6.8	5.3	1.5	3.5	11.3	129.1	44.5	84.6
731	LARNAKA (AIRPORT)	18.3	17.0	1.3	20.8	13.7	9.4	7.1	2.3	6.0	16.5	151.4	50.3	101.1
800**	ACHNA (DASAKI)	16.8	16.5	0.3	19.4	11.3	7.4	6.3	1.1	2.7	12.0	207.2	50.7	156.5

* 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 **February** 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 is also presented.

