

## Seasonal weather forecast for the months of

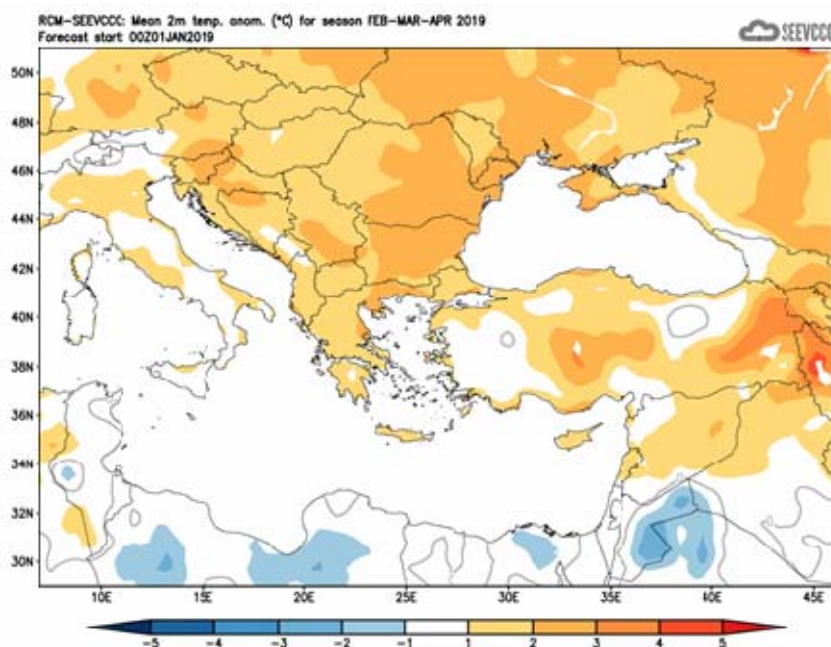
### February, March and April 2019

#### General over view of the weather expected to prevail during February, March and April 2019.

The weather for the following period consists of a part of the traditional winter (February), where most of the annual accumulated precipitation is climatologically expected, and temperatures (both maximum and minimum) are significantly lower than the other months of the period, thus the first two months of the traditional Spring, (March and April). During February the frequency of baroclinic depressions affecting the area is at its most resulting in higher accumulated precipitation amounts compared to the other two months.

#### Seasonal forecast for the next three months

Specifically, regarding the seasonal forecast for the period of the three first months of the year (**February, March and April 2019**), the temperature is expected to be generally above normal by 1 to 2°C. The greater surrounding area is forecasted with almost the same characteristics as Cyprus.



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

As regards February's precipitation it's expected that it will reach the month's normal.

**Normal values of temperature (mean maximum and mean minimum) and accumulated precipitation for February, March and April 2019**

The normal values of mean maximum, mean minimum temperature and accumulated precipitation are presented below for sample stations, concerning the three months of the period of forecast is covering, in order to gain a better view of the normal seasonal climate. The temperatures, both maximum and minimum, of **February** are the lowest climatological temperatures of the period while the accumulated precipitation has the greater amount (of the period), as a result of the increased frequency of reoccurrence/redeveloping of depressions over the area of the east Mediterranean. During **March** a transitional month from winter to summer an increase of mean maximum and mean minimum temperature is noted with a simultaneous decrease of the accumulated precipitation over all sample stations, while April has increased both maximum and minimum temperatures and reduced accumulated precipitation.

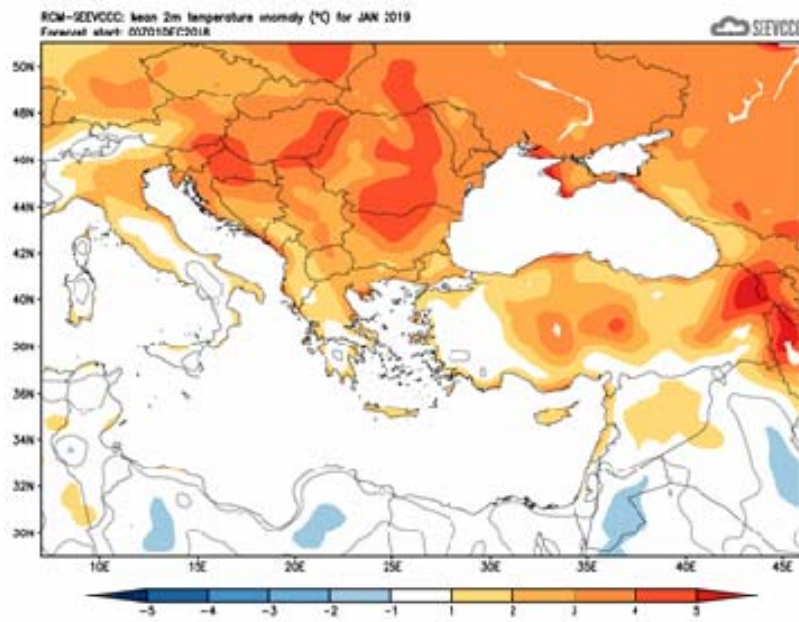
TEMPERATURE AND PRECIPITATION NORMAL VALUES FOR THE PERIOD 1981-2010									
Area Name	MEAN DAILY MAXIMUM TEMPERATURE (°C)			MEAN DAILY MINIMUM TEMPERATURE (°C)			MEAN MONTHLY TOTAL PRECIPITATION (mm)		
	Feb	Mar	Apr	Feb	Mar	Apr	Feb	Mar	Apr
NORTH COAST	16.3	18.3	21.6	7.3	8.3	10.8	68.5	45.7	21.8
WEST COAST*	17.1	18.6	21.5	8.1	8.9	11.5	59.8	34.4	15.2
MOUNTAINOUS AREAS	6.7	10.4	15.5	0.5	2.8	6.6	128.7	92.1	47.2
INLAND*	16.0	19.2	24.4	5.3	6.9	10.4	44.5	31.9	19.1
SOUTH COAST	17.0	19.3	22.7	7.1	8.6	11.8	50.3	35.8	14.2
EAST COAST**	16.5	19.1	23.2	6.3	7.8	10.9	50.7	35.2	19.7

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

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

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

The seasonal forecast for **January** suggested that temperature would be above normal (by 1°C to 2°C). Similar temperatures characterized all the surrounding area.



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

From the provisional data recorded by the Department of Meteorology, for the selected meteorological stations, which are presented in the table below,

TEMPERATURE AND PRECIPITATION PROVISIONAL DATA FOR JANUARY 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	16.3	16.3	0.0	19.7	11.8	8.1	7.6	0.5	4.8	11.8	197.6	85.3	112.3
82*	PAFOS (AIRPORT)	17.1	17.1	0.0	20.4	13.8	9.7	8.3	1.4	5.3	16.4	159.2	78.8	80.4
225	PRODROMOS (C.F.C.)	6.0	6.3	-0.3	13.4	-0.3	-0.6	0.7	-1.3	-5.6	2.5	410.7	150.0	260.7
666*	ATHALASSA (RADIOSONDE)	16.9	15.5	1.4	20.5	12.1	5.3	5.4	-0.1	-0.2	10.5	77.0	48.8	28.2
731	LARNAKA (AIRPORT)	17.4	16.8	0.6	20.2	14.8	8.4	7.5	0.9	3.1	15.5	95.6	73.7	21.9
800**	ACHNA (DASAKI)	15.9	16.3	-0.4	18.4	12.3	6.0	6.6	-0.6	0.3	11.7	46.8	67.3	-20.5

\* 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

is evident that the model performed well concerning the temperature anomaly.

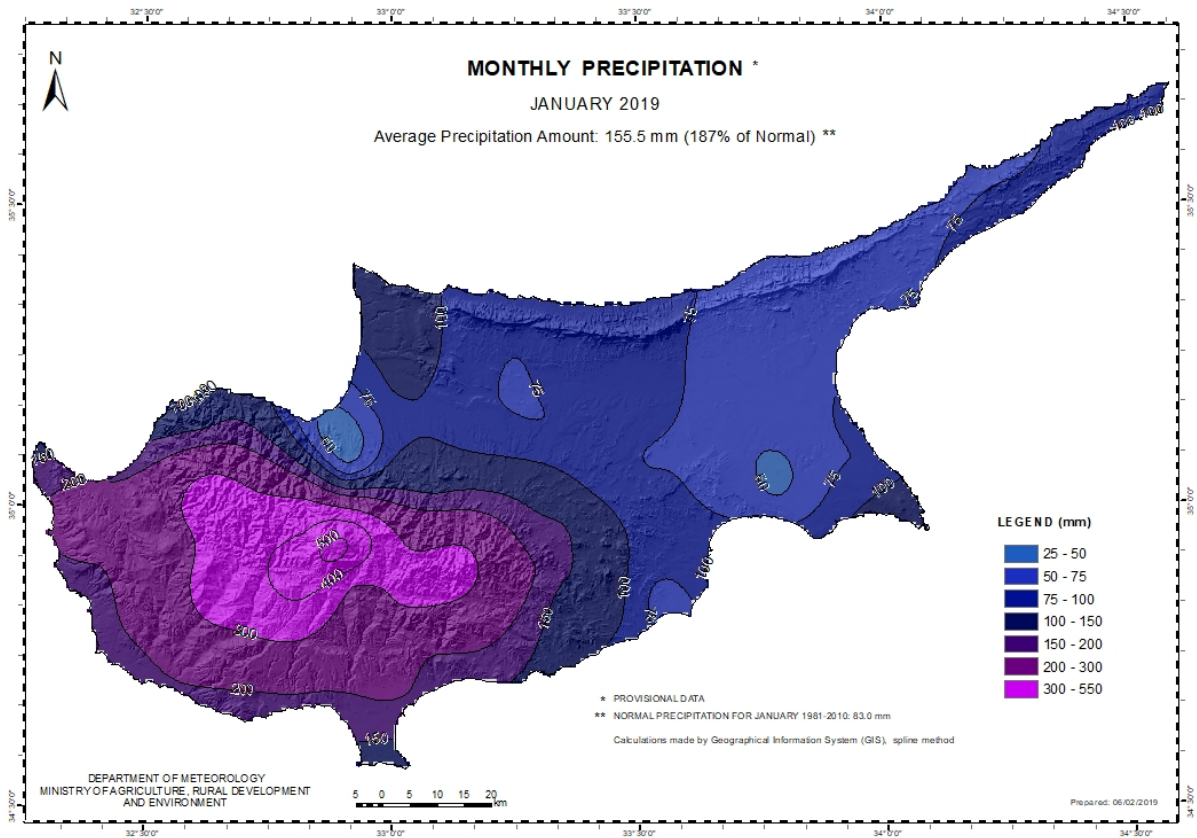
The seasonal forecast for **December** suggested that temperature would be slightly above normal. From the recorded data is shown that mean daily maximum and most of the mean daily minimum temperatures were above normal.

The accumulated precipitation was very high as presented from the table above. From the distribution (provisional accumulated precipitation chart) of the accumulated precipitation of **January** is evident that the surface distribution was well above the expected reaching 155,5mm (187% of normal).

For all the days of **January**, except the 9<sup>th</sup>, 11<sup>th</sup>, 17<sup>th</sup>, 18<sup>th</sup>, 20<sup>th</sup>, 21<sup>st</sup> and the 25<sup>th</sup>, local showers, accompanied with thunderstorms most of the times, were recorded. It is worth mentioning that on the 1<sup>st</sup>, 2<sup>nd</sup>, 5<sup>th</sup>, 7<sup>th</sup>, 8<sup>th</sup>, 13<sup>th</sup>, 16<sup>th</sup>, 22<sup>nd</sup>, 30<sup>th</sup>, and 31<sup>st</sup> of **January** hail was reported. Based on the provisional data, snowfall was recorded during the periods 1-8, 13-16, on the 19<sup>th</sup>, 23<sup>rd</sup>, 27<sup>th</sup>, 30<sup>th</sup> and 31<sup>st</sup> of **January**.

On the 2<sup>nd</sup>, 14<sup>th</sup> and 15<sup>th</sup> of **January** EMMA yellow warnings were issued concerning rain and thunderstorms; on the 15<sup>th</sup> of **January** EMMA yellow warning was issued concerning strong wind.

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

