

Seasonal weather forecast for the months of

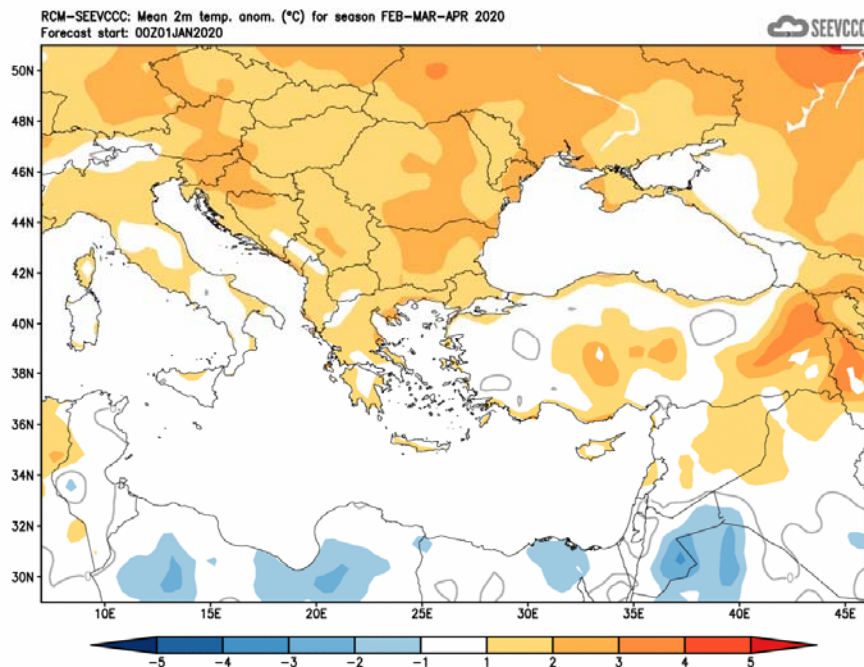
February, March and April 2020

General overview of the weather expected to prevail during February, March and April 2020.

The weather for the following period consists of a part of the last month 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 two 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 following three months namely **February, March** and **April 2020**, the temperature is expected to be generally above normal by 1 to 2°C at least over the coastal zone. Parts of the 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, while it should be mentioned that all seasonal forecasts agree on a dryer than normal period.

Normal values of temperature (mean maximum and mean minimum) and accumulated precipitation for February, March and April 2020

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.

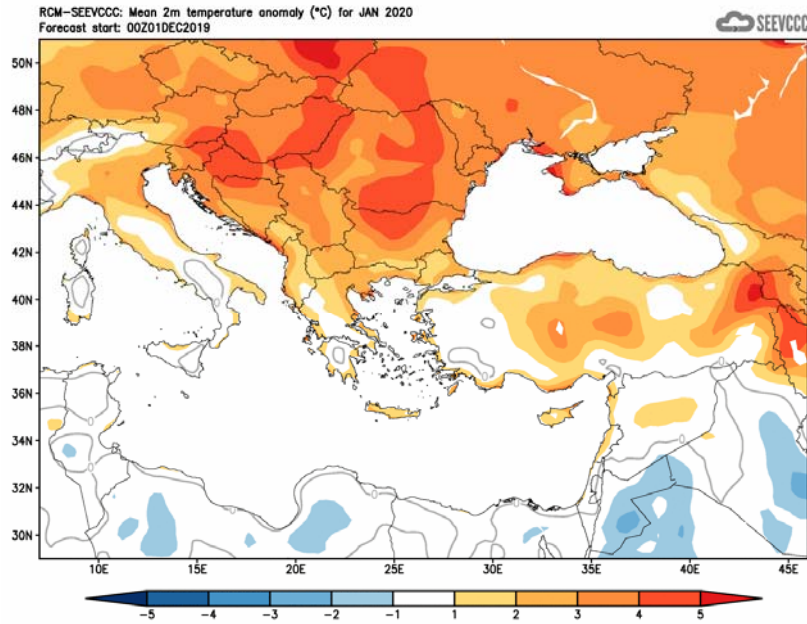
TEMPERATURE AND PRECIPITATION NORMAL VALUES FOR THE PERIOD 1981-2010									
Area Name	MEAN DAILY MAXIMUM TEMPERATURE (°C)			MEAN DAILY MINIMUM TEMPERATURE (°C)			MEAN MONTHLY TOTAL PRECIPITATION (mm)		
	Feb	Mar	Apr	Feb	Mar	Apr	Feb	Mar	Apr
NORTH COAST	16.3	18.3	21.6	7.3	8.3	10.8	68.5	45.7	21.8
WEST 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 2020** was suggesting that temperature will be slightly above normal (by 1°C to 2°C) mainly over the coastal zone. The greater surrounding area was forecasted to be with almost the same characteristics as Cyprus.



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

As observed below from the table of the recorded data from selected stations temperatures, both maximums and minimums were around normal, despite the evidence that extreme maximums and minimums were recorded. From the observed temperature values its proved that the seasonal forecast for **January** wasn't that good while from the values of accumulated precipitation the seasonal forecast was wrong while **January** was forecasted to be dryer than normal.

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	16.6	16.3	0.3	18.9	13.2	7.8	7.6	0.2	2.5	11.1	184.7
82*	PAFOS (AIRPORT)	17.0	17.1	-0.1	18.8	14.9	8.5	8.3	0.2	4.4	11.3	115.9	78.8	37.1
225	PRODROMOS (C.F.C.)	5.6	6.3	-0.7	11.6	1.1	-0.9	0.7	-1.6	-5.6	1.5	277.2	150.0	127.2
666*	ATHALASSA (RADIOSONDE)	16.3	15.5	0.8	20.2	11.1	5.7	5.4	0.3	0.0	9.4	83.0	48.8	34.2
731	LARNAKA (AIRPORT)	16.7	16.8	-0.1	18.9	13.4	8.3	7.5	0.8	3.4	11.8	101.1	73.7	27.4
800**	ACHNA (DASAKI)	15.4	16.3	-0.9	17.5	12.0	6.4	6.6	-0.2	1.6	9.6	94.6	67.3	27.3

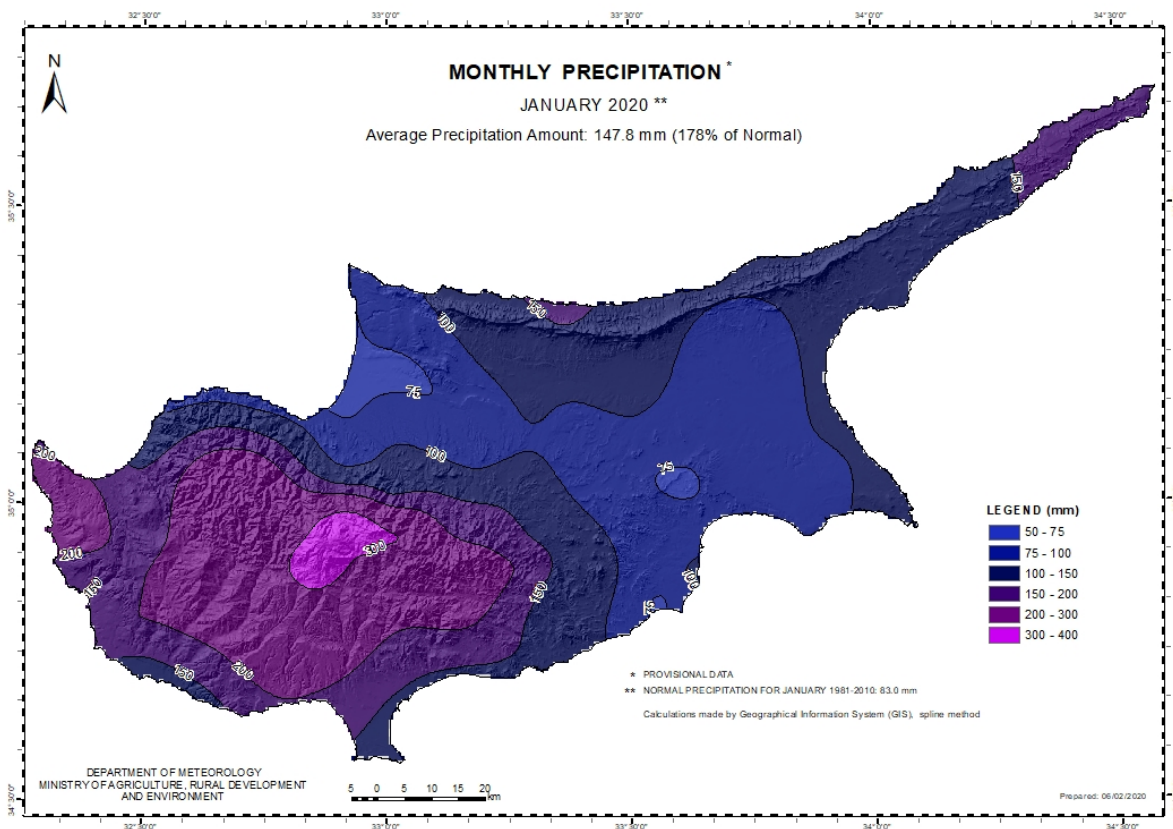
* Pafos' and Athalassa's Station Normal Values cover the period 1983-2010
** Achna's Temperature Normal Values cover the period 1981-2007

= VALUES FROM AUTOMATIC WEATHER STATION

The accumulated precipitation was very high as presented from the table above, against the forecasted values denoting that January would be dryer than normal. From the distribution (provisional accumulated precipitation chart) of the accumulated precipitation of the past **January** is evident that the surface distribution was well above the expected, but also the months normal, reaching 147,8mm (178% of normal).

For the periods 1-9, 14-20, 23 and 28-31 local showers, at sometimes accompanied with thunderstorms and hail as on the 7 and 14 of **January**. Snow was also recorded apart from the higher Troodos peaks over the higher mountainous area on the 7, 20 and 23 of the month. On the periods 2-3 EMMA yellow level warnings were issued concerning precipitation, 5-6 EMMA yellow level warnings were issued concerning precipitation and wind, on the 7th and 16th EMMA yellow level warnings were issued concerning precipitation and on the 23rd of **January** EMMA yellow level warnings were issued concerning precipitation and 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.

