Seasonal weather forecast for the months of

December 2017 and January and February 2018

General over view of the weather expected to prevail during December 2017 and January and February 2018.

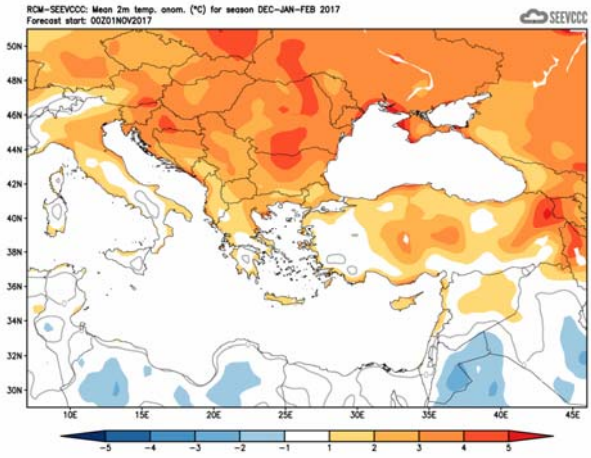
The weather for the following period consists the traditional winter, where the most of the annual accumulated precipitation is climatologically expected while in the period in focus normal temperatures (both maximum and minimum) are significantly lower than the other months of the year. During the period the frequency of baroclinic depressions affecting the area is at its most resulting in higher accumulated precipitation amounts.

Seasonal forecast for the next three months

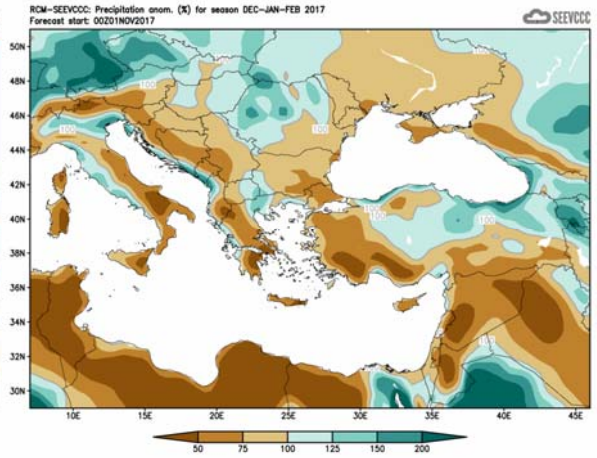
Specifically, regarding the seasonal forecast for the period of **December 2017** and **January** and **February 2018**, the temperature is expected to be slightly above normal. The amount of the accumulated precipitation over the greater part of Cyprus will range from 50% of normal to 75% of normal while over the west coast will be up to normal.

Normal to slightly above normal temperature characterizes also Asia Minor and the Balkans, and also Near and Middle East. As it is viewed from the charts the wider area will experience below normal accumulated precipitation.

Bearing in mind the model's suggestion (the results which are presented in the charts below) the winter period is expected to be warm with mean season temperatures ranging slightly above normal and precipitation to be generally below normal with an exemption of the western coasts.



Divergence of temperature from normal from the mean seasonal temperature (^{o}C) for December, January and February

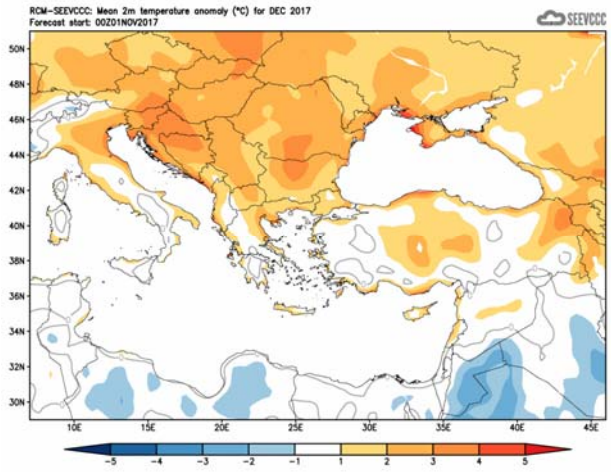


Percentage (%) of the mean seasonal accumulated precipitation compared to the mean normal for December, January and February

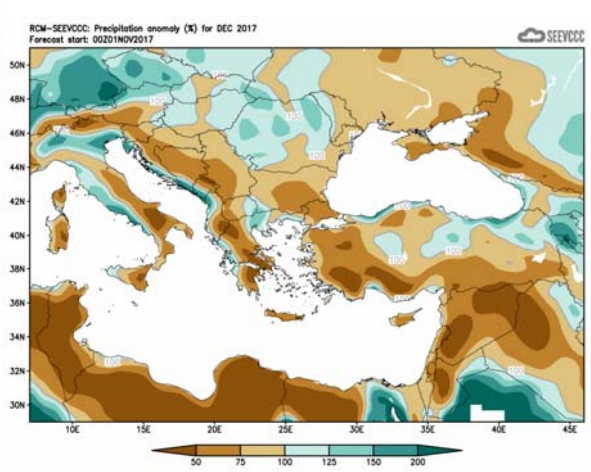
The seasonal monthly forecast in detail

Seasonal forecast in detail

The seasonal forecast for **December** suggests that temperature will be slightly above normal in most of the areas. The accumulated precipitation of **December** is disappointing since the forecast suggests a mainly dry month with accumulation ranging only from 50% to 75% of normal, except the western and northern coastal parts where the accumulation will range almost up to normal. Low accumulations characterize all the surrounding area.

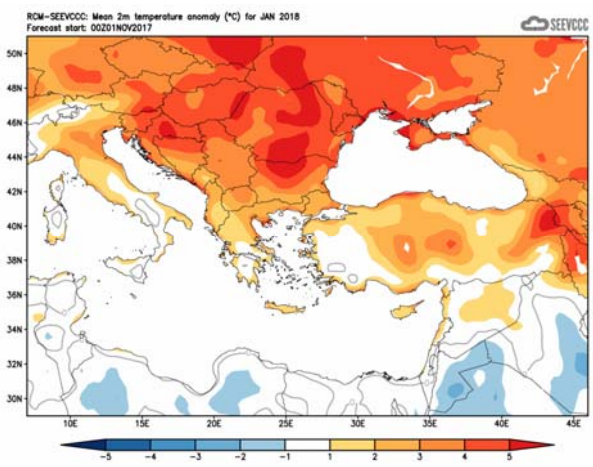


Divergence of the mean monthly temperature (^{o}C) from normal during December

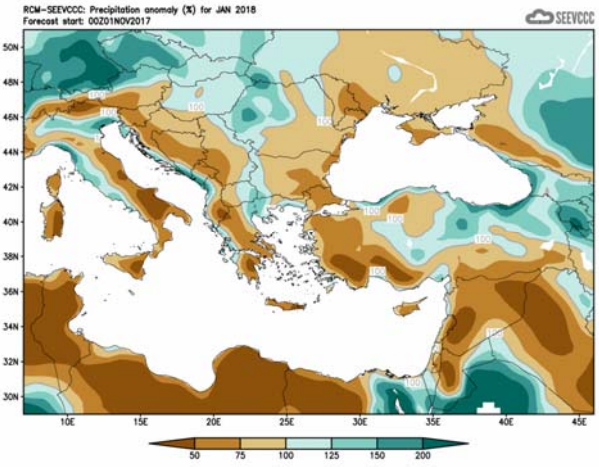


Percentage of the mean monthly precipitation (%) compared with the normal of December

The seasonal forecast for **January 2018** suggests that temperature will be above normal (by 1°C to 2°C). The accumulated precipitation of **January** is again disappointing since the forecast suggests a mainly dry month with accumulation ranging only from 50% to 75% of normal, except the western and northern parts where the accumulation will range almost up to normal. Low accumulations characterize almost all the surrounding area.

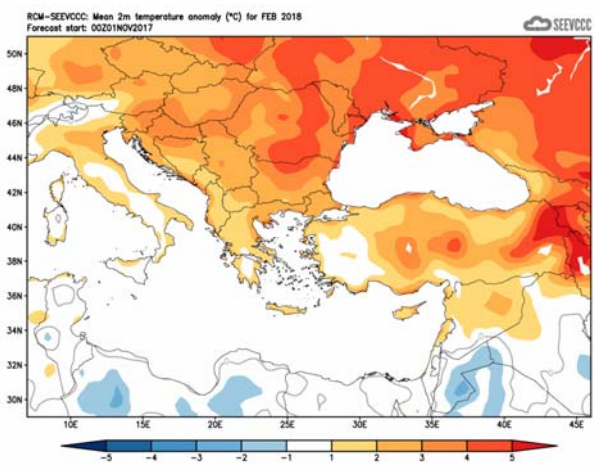


Divergence of the mean monthly temperature (^{o}C) from normal during January

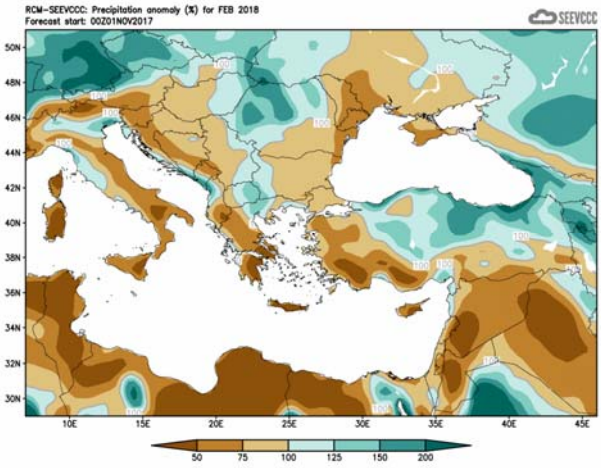


Percentage of the mean monthly precipitation (%) compared with the normal of January

The seasonal forecast for **February 2018** is almost similar to the one of January and it will be warmer than normal by 1°C to 2°C. The accumulated precipitation of **February** is again disappointing since the forecast suggests a mainly dry month with accumulation for almost the entire island ranging only from 50% to 75% of normal and for the southeast coasts is expected not to over path the 50% of normal. Low accumulations are characterizing great parts of the surrounding area.



Divergence of the mean monthly temperature (^{o}C) from normal during February



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

Normal values of temperature (mean maximum and mean minimum) and accumulated precipitation for December 2017 and January and February 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 temperatures, both maximum and minimum, are the lowest climatological temperatures of the year while the accumulated precipitation has the greater amount of the year, as a result of the increased frequency of reoccurrence/redeveloping of depressions over the area of the east Mediterranean.

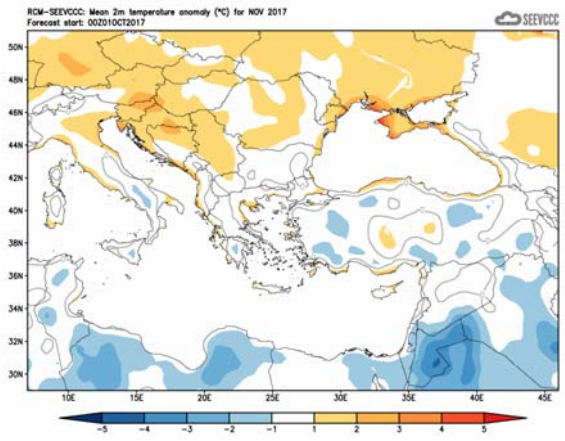
TEMPERATURE AND PRECIPITATION NORMAL VALUES FOR THE PERIOD 1981-2010									
	MEAN DAILY MAXIMUM TEMPERATURE (°C)			MEAN DAILY MINIMUM TEMPERATURE (°C)			MEAN MONTHLY TOTAL PRECIPITATION (mm)		
Area Name	December	January	February	December	January	February	December	January	February
NORTH COAST	18.0	16.3	16.3	9.3	7.6	7.3	93.6	85.3	68.5
WEST COAST*	18.9	17.1	17.1	10.0	8.3	8.1	90.1	78.8	59.8
MOUNTAINOUS AREAS	8.3	6.3	6.7	2.6	0.7	0.5	157.3	150.0	128.7
INLAND*	17.3	15.5	16.0	7.0	5.4	5.3	57.2	48.8	44.5
SOUTH COAST	18.6	16.8	17.0	9.2	7.5	7.1	79.0	73.7	50.3
EAST COAST**	18.0	16.3	16.5	8.3	6.6	6.3	76.8	67.3	50.7

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

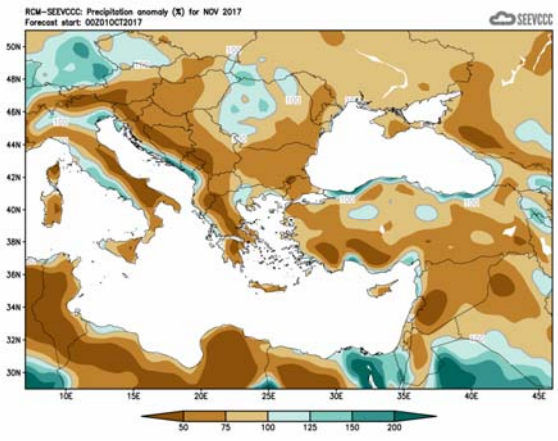
** East Coast Temperature Values cover the period 1981-2007

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

The seasonal forecast for **November** suggested that the temperature of the island would be generally normal, such as the mean monthly temperature of the surrounding area. The amount of the accumulated precipitation over the southern and eastern part of Cyprus was expected to range generally from 50% to 75% of normal while over the west and north part it would range from 75% of normal to normal. The coastal zone of the surrounding area would receive again high precipitation accumulation.



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



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

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,

TEMPERATURE AND PRECIPITATION PROVISIONAL DATA FOR NOVEMBER 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	22.9	21.7	1.2	30.2	17.3	12.8	12.2	0.6	8.4	15.8	63.7	58.6	5.1
82*	PAFOS (AIRPORT)	22.5	22.4	0.1	28.2	17.7	13.6	12.9	0.7	8.6	16.9	61.4	52.6	8.8
225	PRODROMOS (C.F.C.)	13.3	12.8	0.5	20.6	6.2	4.8	6.1	-1.3	-0.6	10.1	77.8	93.8	-16.0
666*	ATHALASSA (RADIOSONDE)	23.5	22.1	1.4	27.4	16.8	10.8	10.4	0.4	6.5	14.5	40.1	43.2	-3.1
731	LARNAKA (AIRPORT)	23.1	22.6	0.5	26.1	17.7	13.4	12.4	1.0	8.2	16.9	62.4	46.8	15.6
800**	ACHNA (DASAKI)	22.6	22.4	0.2	25.8	16.5	12.4	11.8	0.6	6.8	16.3	66.2	44.0	22.2

* 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

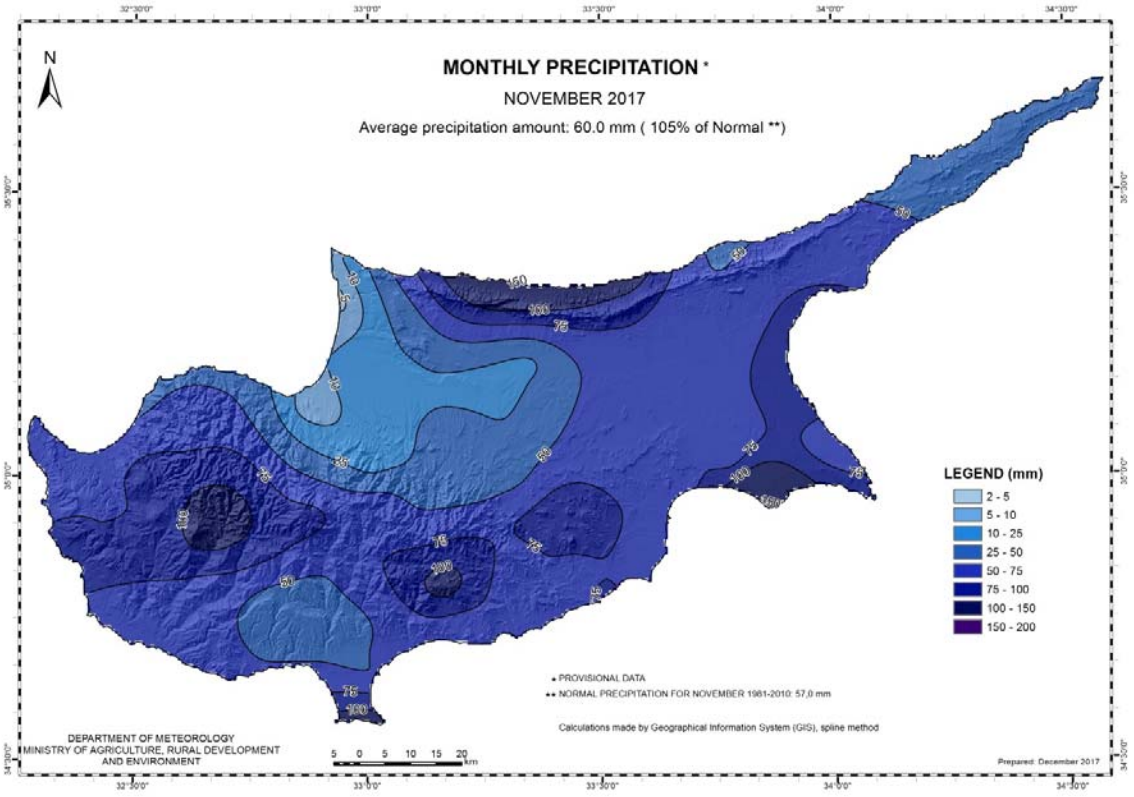
Is evident that the model performed well concerning the temperature anomalies, since both mean daily maximum temperatures and mean daily minimum temperatures were recorded around normal, except the mean daily maximum temperature of Polis Chrysochous and Athalassa's that was slightly above normal and the mean daily minimum temperature of Prodromos that was slightly below normal.

Extremes were also recorded with positive departures greater than 4°C, like Polis Chrysochous station where the highest daily maximum temperature (30.2°C) was 8.5°C greater than normal (21.7°C) and Prodromos station, where the highest daily maximum temperature (20.6°C) was 7.8°C greater than normal (12.8°C).

Daily minimum temperatures were also recorded, with negative departure greater than 4°C below normal like Prodromos station, where a minimum of -0.6°C was 6.7°C below station's normal (6.1°C) and like Achna station, where a minimum of 6.8°C was 5°C below station's normal (11.8°C).

As regarding the accumulated precipitation **November** had a good score since the accumulated precipitation was around normal, but was not so well forecasted by the model. From the distribution (provisional accumulated precipitation chart) of the accumulated precipitation of the month is evident that areas over the northern coastal area, part of the mountains and areas of south-eastern coastal area received high accumulation score. During the periods 2-7, 10, 19-21 and 25-29 of **November** local showers and isolated showers resulted in accumulated precipitation of 105% of normal. It is worth mentioning that on 2nd and 3rd of **November** hail was reported. Also, for the 4th of **November** EMMA yellow warning for rainfall was issued and for 20 and 28 of **November** yellow warnings for thunderstorms were issued.

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