

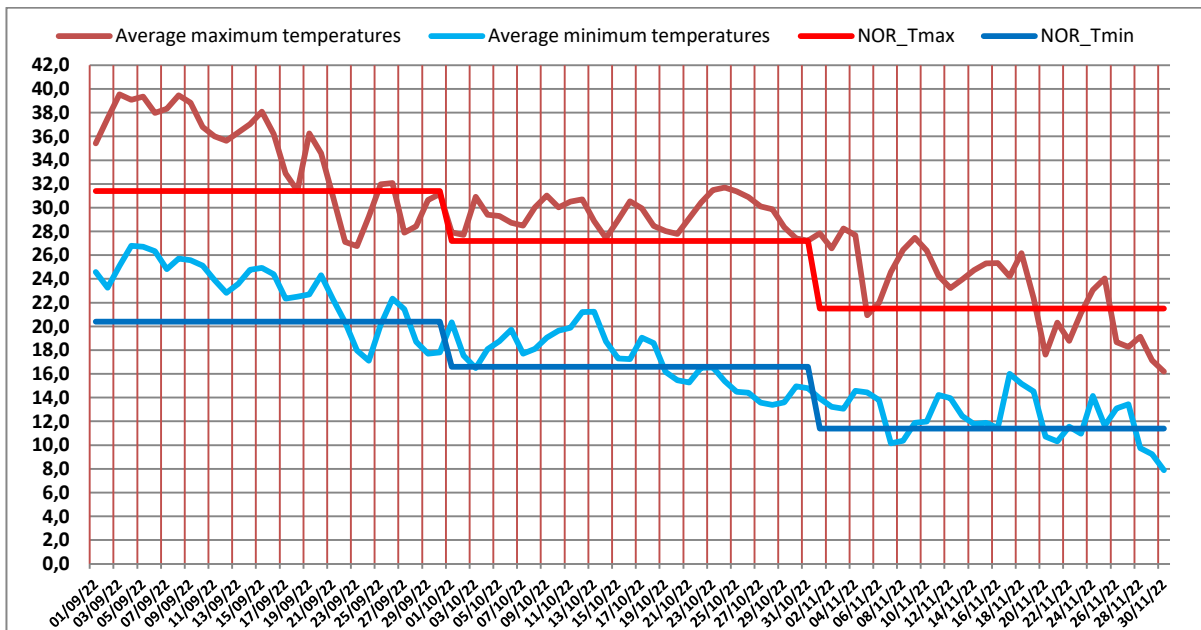
Climate summary for the autumn season 2022 in Tunisia (the driest autumn since 1950)

The autumn of 2022 was marked by a noticeable increase in temperature in most regions of the Tunisia, where the general average (27 main stations) for the average temperature reached 23.2 °C, exceeding the reference average (1991-2020) by a difference of 1.8 + °C, which ranked this autumn in second place for the hottest autumn seasons. Since 1950.

With regard to rainfall, the autumn of 2022 is considered the driest autumn since 1950, as the seasonal total amount of precipitation (27 main stations) reached 1557 mm. It was less than the reference seasonal total for the same stations (3112 mm), and the overall decrease reached 50%.

- Daily temperature evolution:

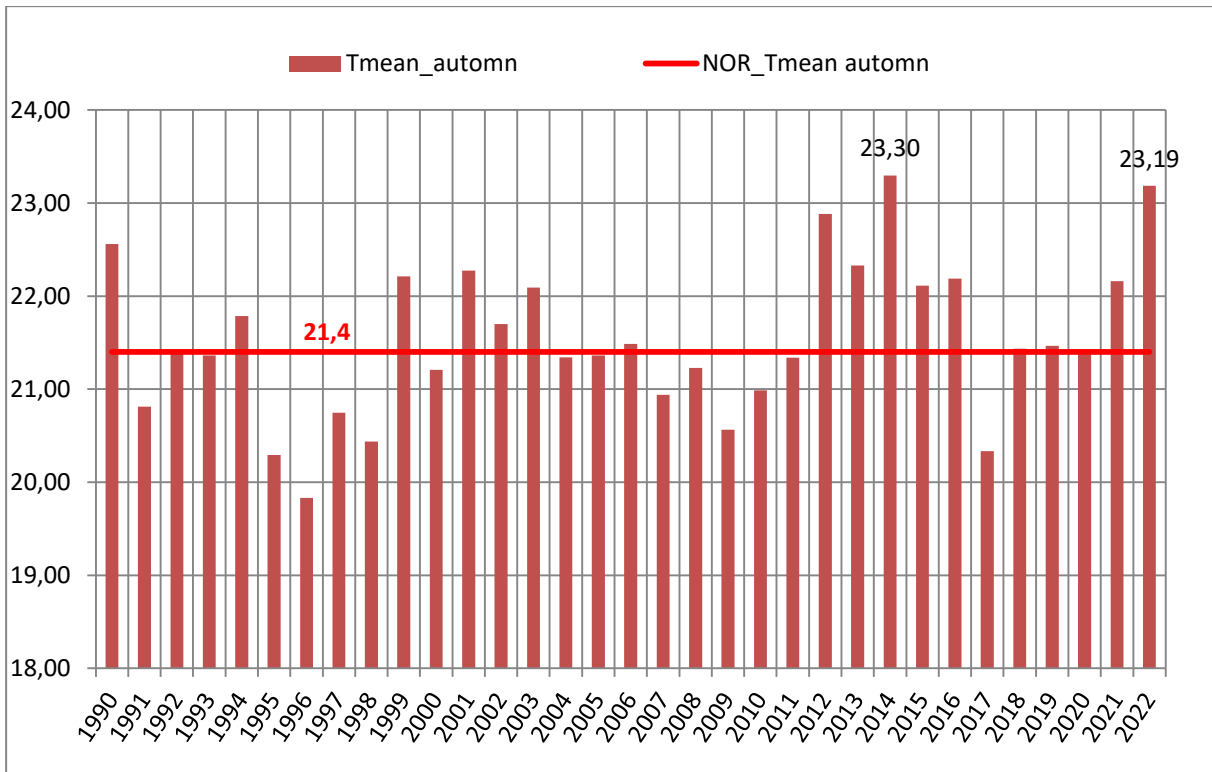
The average daily temperatures (27 main stations) for the fall of 2022 were much higher than the reference average for most of the season, with a significant difference of 8.1°C recorded on September 3, 2022.



The evolution of the average daily minimum and maximum temperatures during the fall of 2022

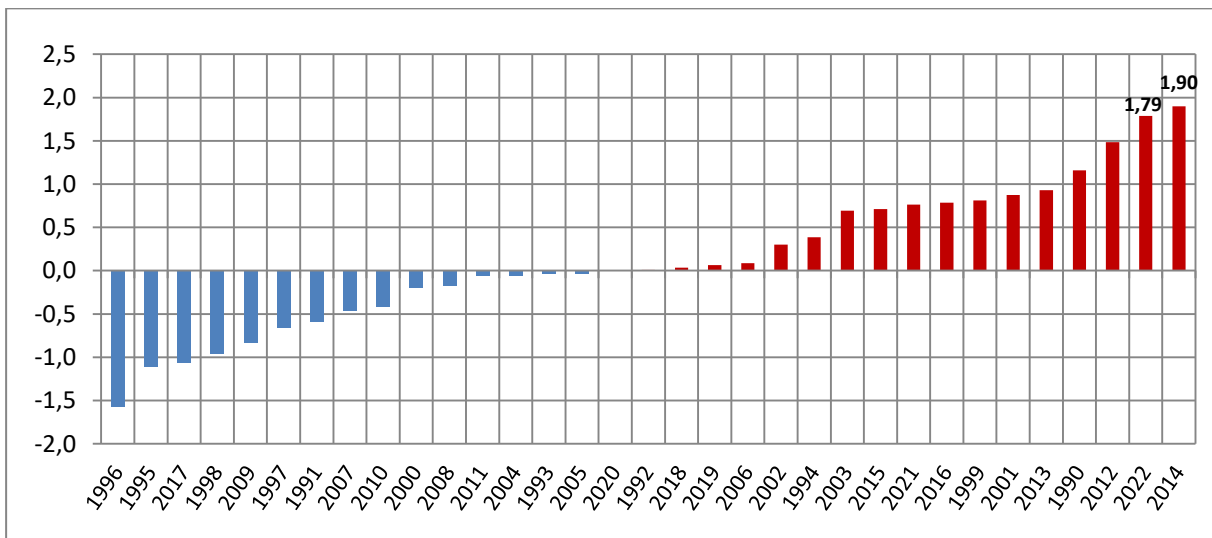
- Classification of average seasonal temperatures :

The seasonal average temperature reached 23.19 °C and exceeded the reference average by a difference of 1.8 °C, which made the autumn of 2022 classified as the second warmest fall after the fall of 2014, with a difference of 1.9 °C from the reference average (1991-2020).



The difference in the average temperature (autumn 2022) from the seasonal reference rate (1991-2020)

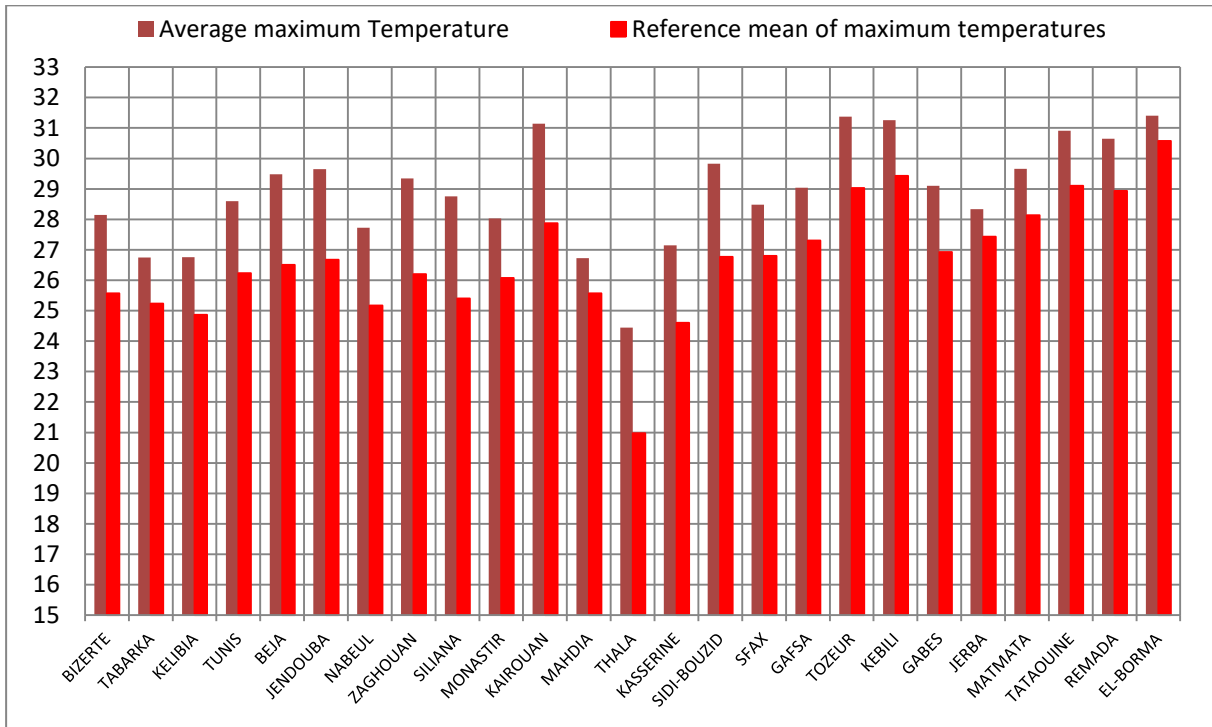
- The seasonal average of the daily maximum temperatures in autumn (from 1990 to 2022)



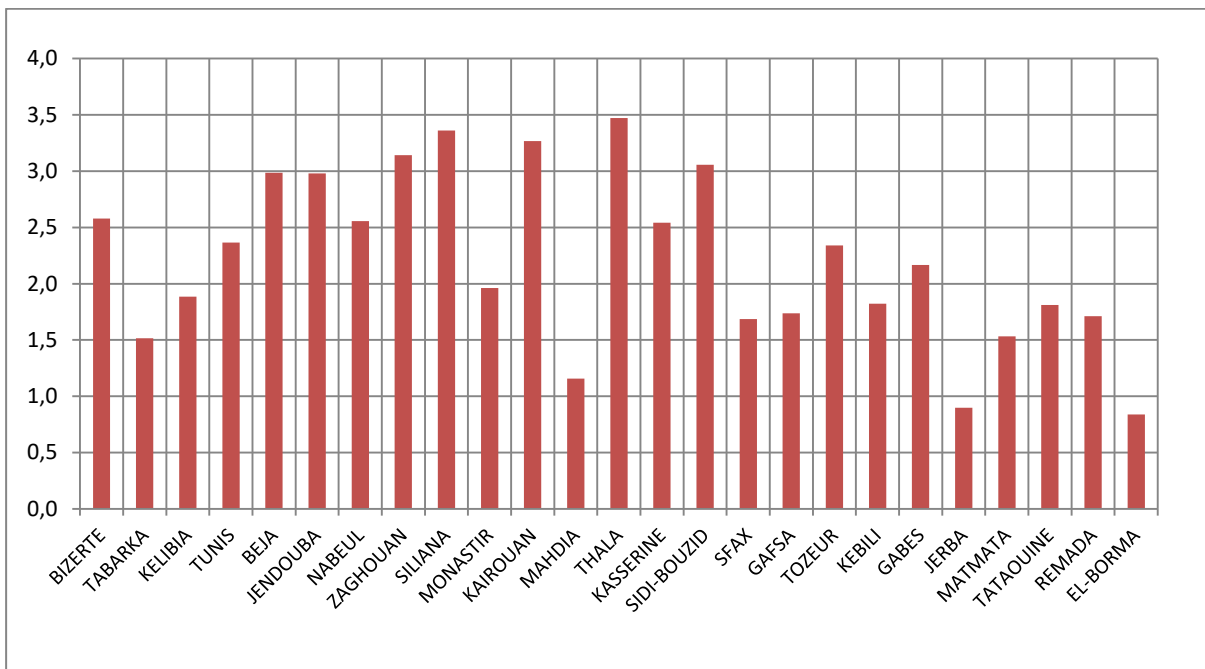
Ranking of the differences of the seasonal mean maximum temperatures for autumn from the seasonal reference mean (1991-2020)

- Maximum temperature:

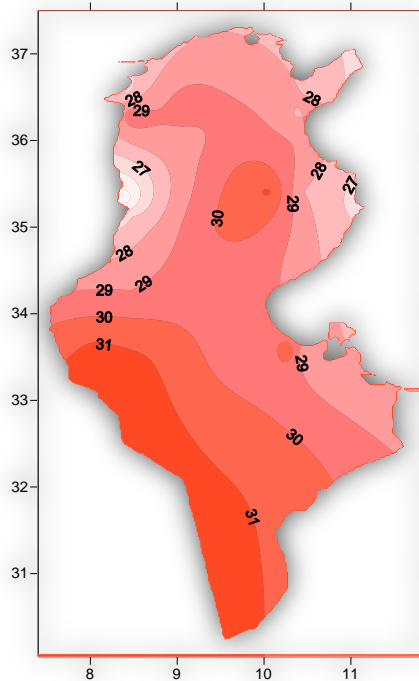
At the regional level, the seasonal averages of all stations were above the reference averages, with differences ranging from +0.8 °C in El Borma from Tataouine to +3.5 °C in Thala from Kasserine.



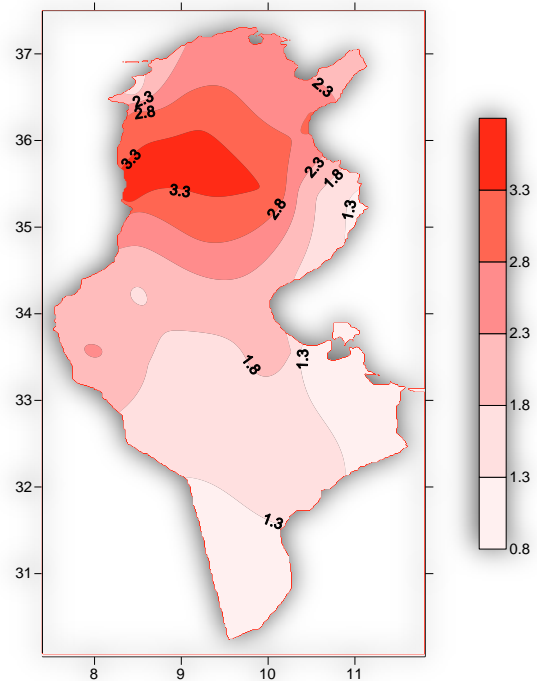
Comparing the autumn mean maximum temperature with the reference seasonal mean (1991-2020)



The difference in the average maximum temperature for autumn 2022 from the seasonal reference rate (1991-2020)



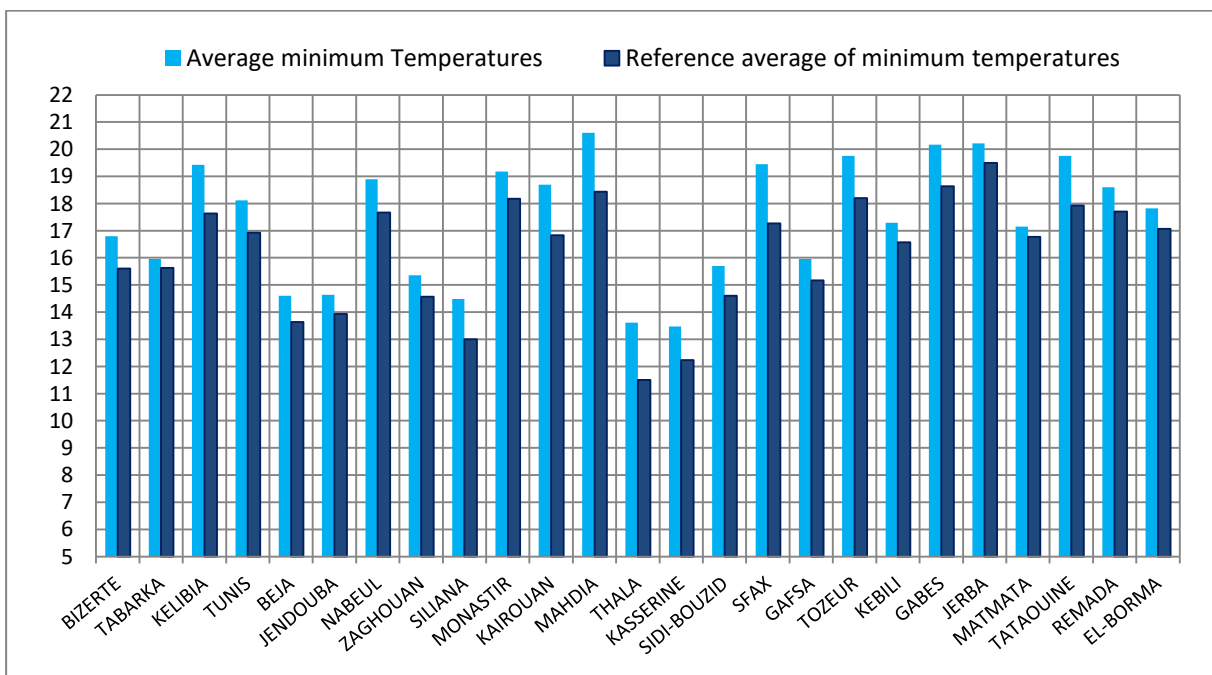
Seasonal average maximum temperature in autumn 2022



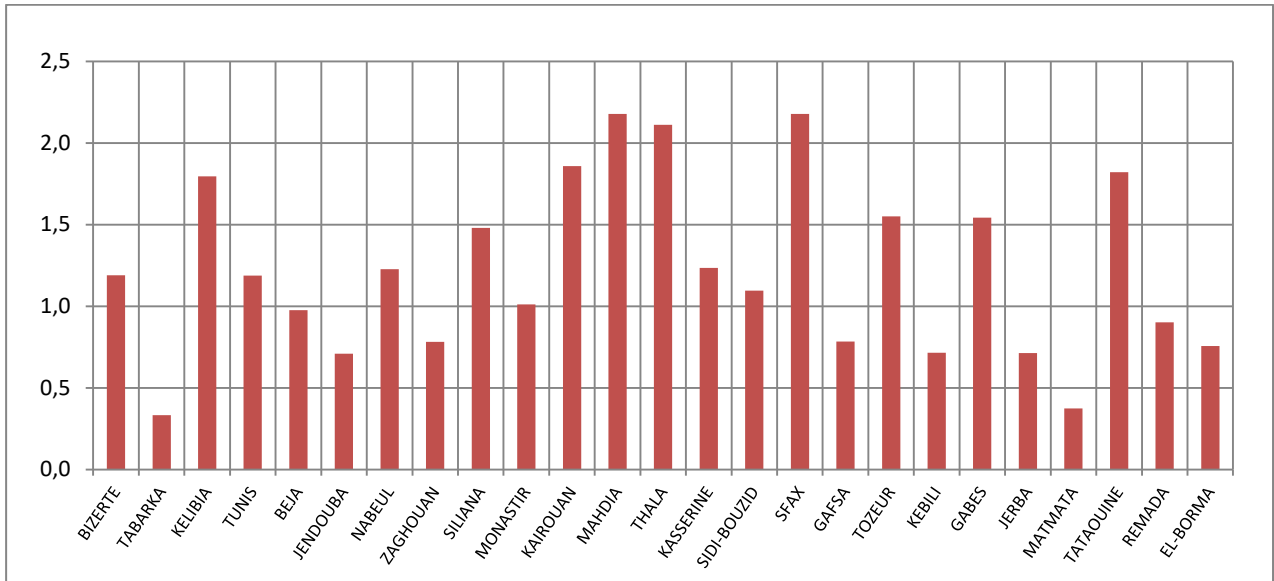
The difference between the average maximum temperature and the reference average (1991-2020)

- Minimum temperature:

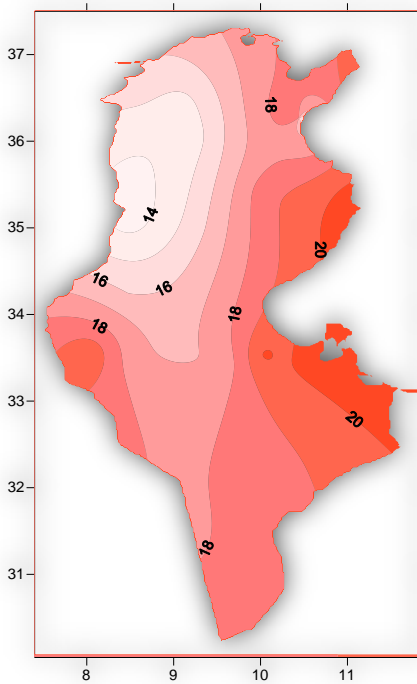
Like the daily maximum temperatures, the seasonal averages of the daily minimum temperatures at all stations were higher than the reference average, with differences ranging from 0.3 °C in Tabarka to 2.2 °C in Mahdia and Sfax.



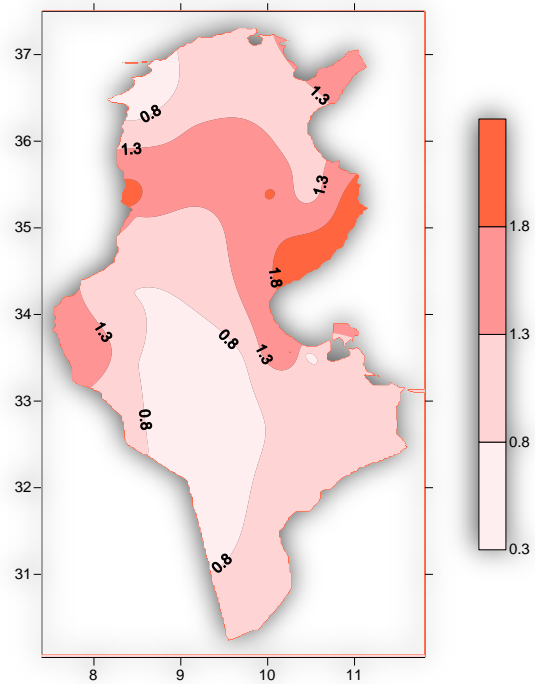
Comparison of the average minimum temperatures (°C) for the autumn of 2022 with the reference seasonal averages (1991-2020)



The average minimum temperature difference for the autumn of 2022 at the reference rate (1991-2020)



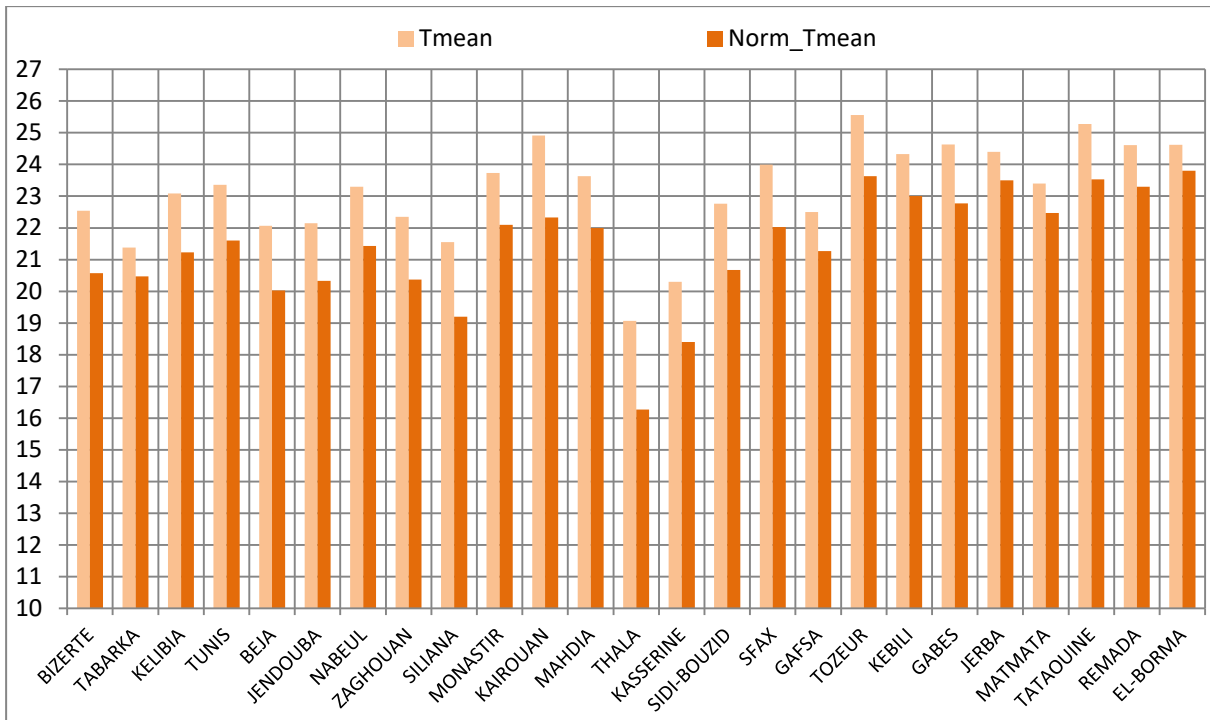
Average minimum temperature (°C) for the autumn of 2022



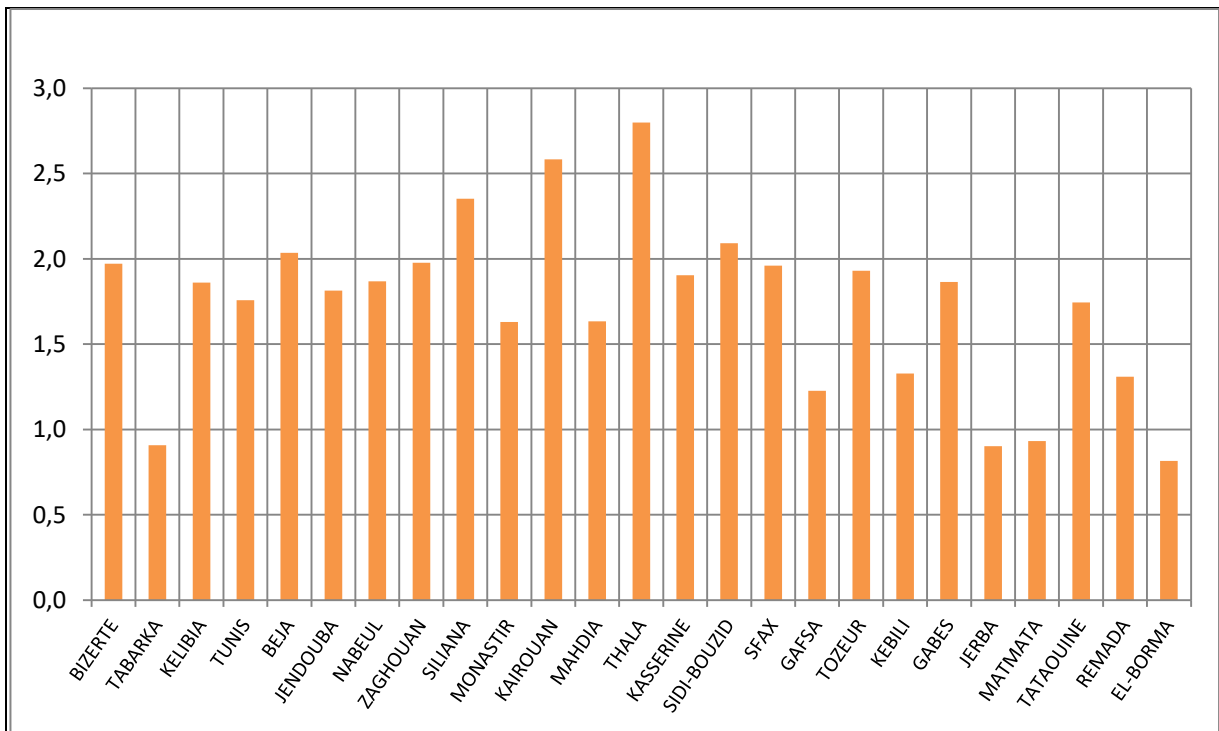
The difference between the average minimum temperature and the reference rate (1991-2020)

- Mean temperature :

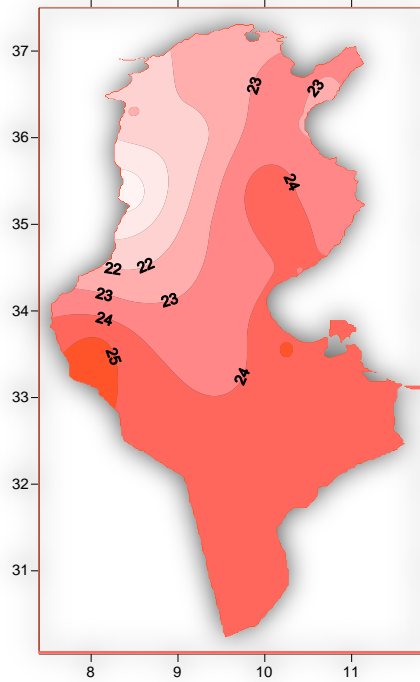
The mean temperatures for this autumn ranged between 19.1 °C in Thala and 25.6 °C in Tozeur, with differences from the reference rate ranging from +0.8 °C in Tabarka to +2.8 °C in Thala.



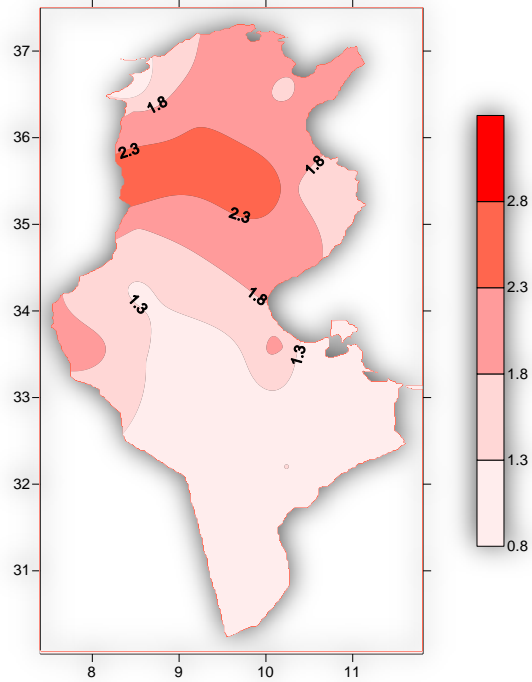
Comparing the average mean temperatures for the autumn of 2022 with the reference average (1991-2020)



The difference in the average mean temperature from the reference average (1991-2020) by station



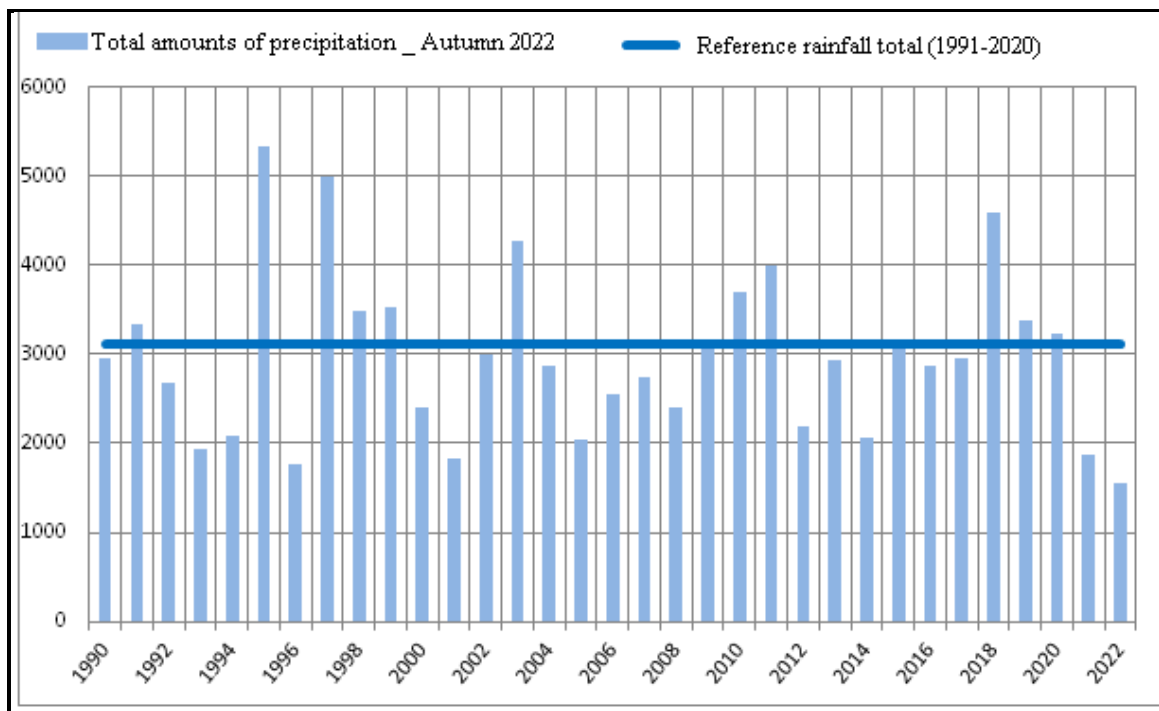
Average mean temperature (°C) for the autumn of 2022



The difference between the average mean temperature and the reference rate (1991-2020)

- Rain :

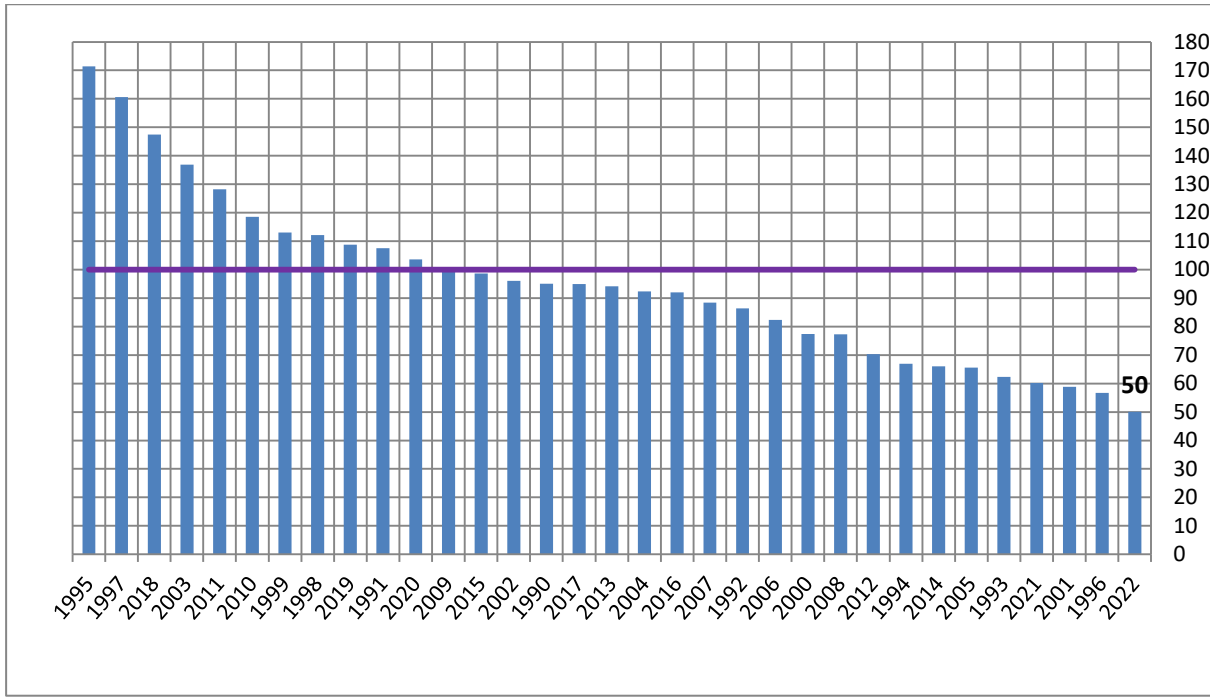
The seasonal total rainfall in the main stations reached 1557 mm, which represents only 50% of the reference seasonal total for the same stations (3112 mm). Therefore, all stations witnessed a decrease in the amounts of rain except Beja and Jendouba.



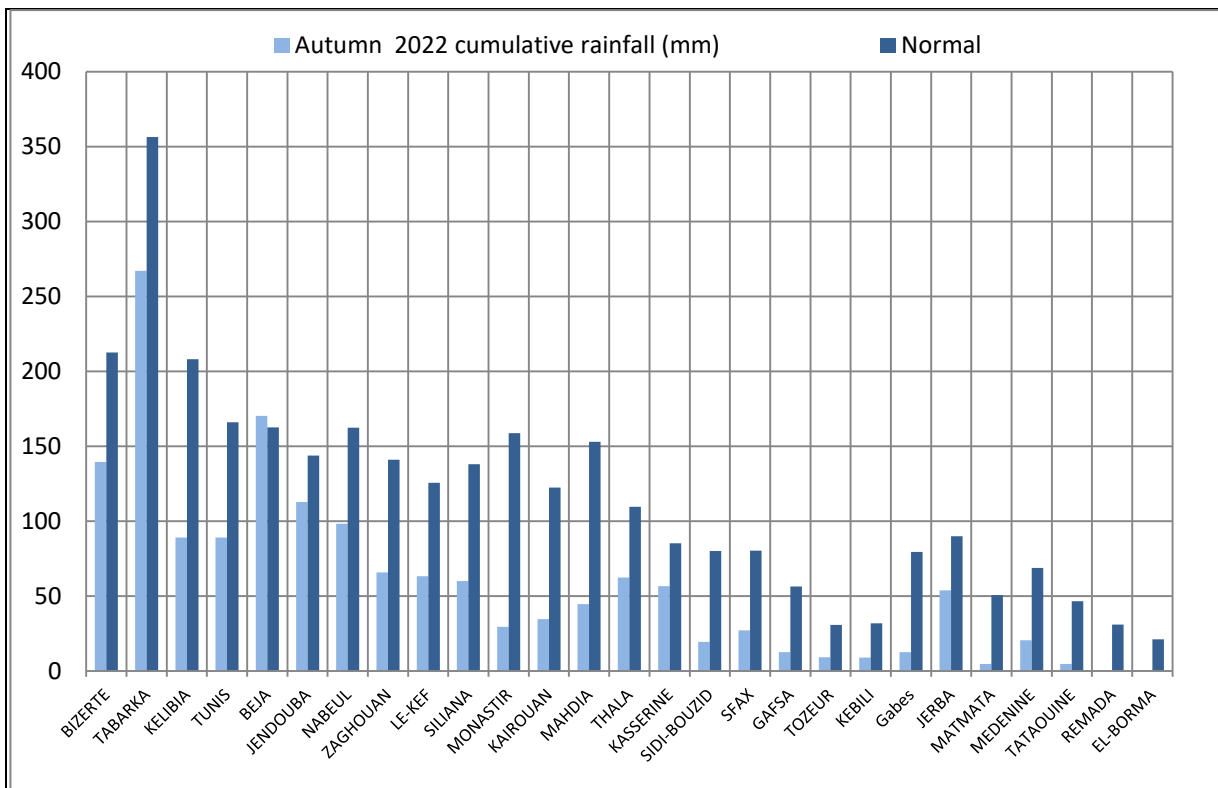
Comparing the seasonal total of rainfall amounts at all main stations with the reference seasonal total (1991-2020)



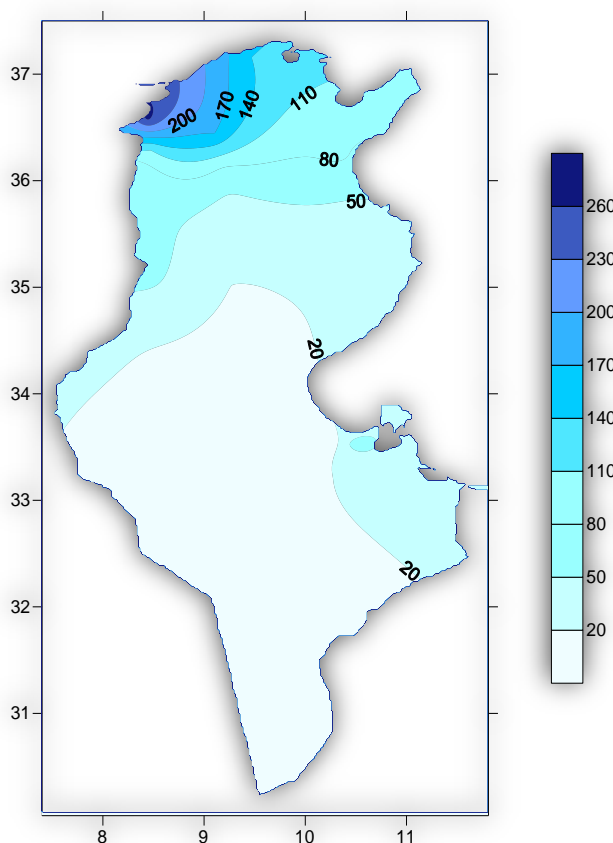
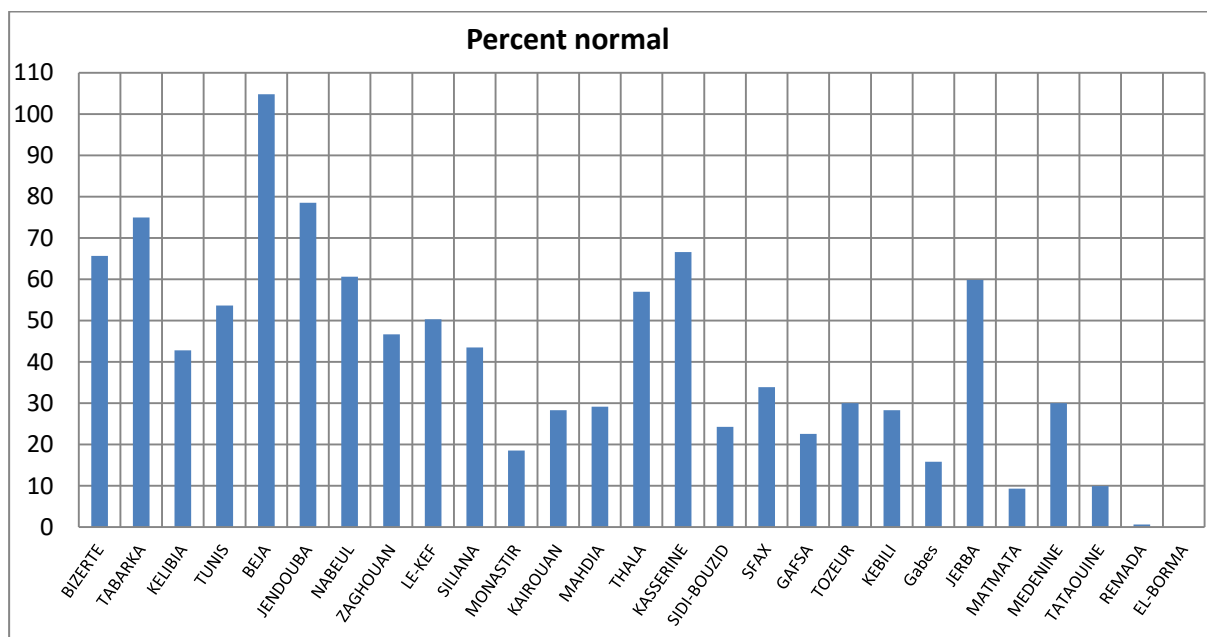
Percentages of the seasonal total (autumn season) with the reference seasonal total



The order of proportions from 1990 to 2022



Comparing the total rainfall for the Autumn of 2022 with the reference total for the autumn season (1991-2020) by station

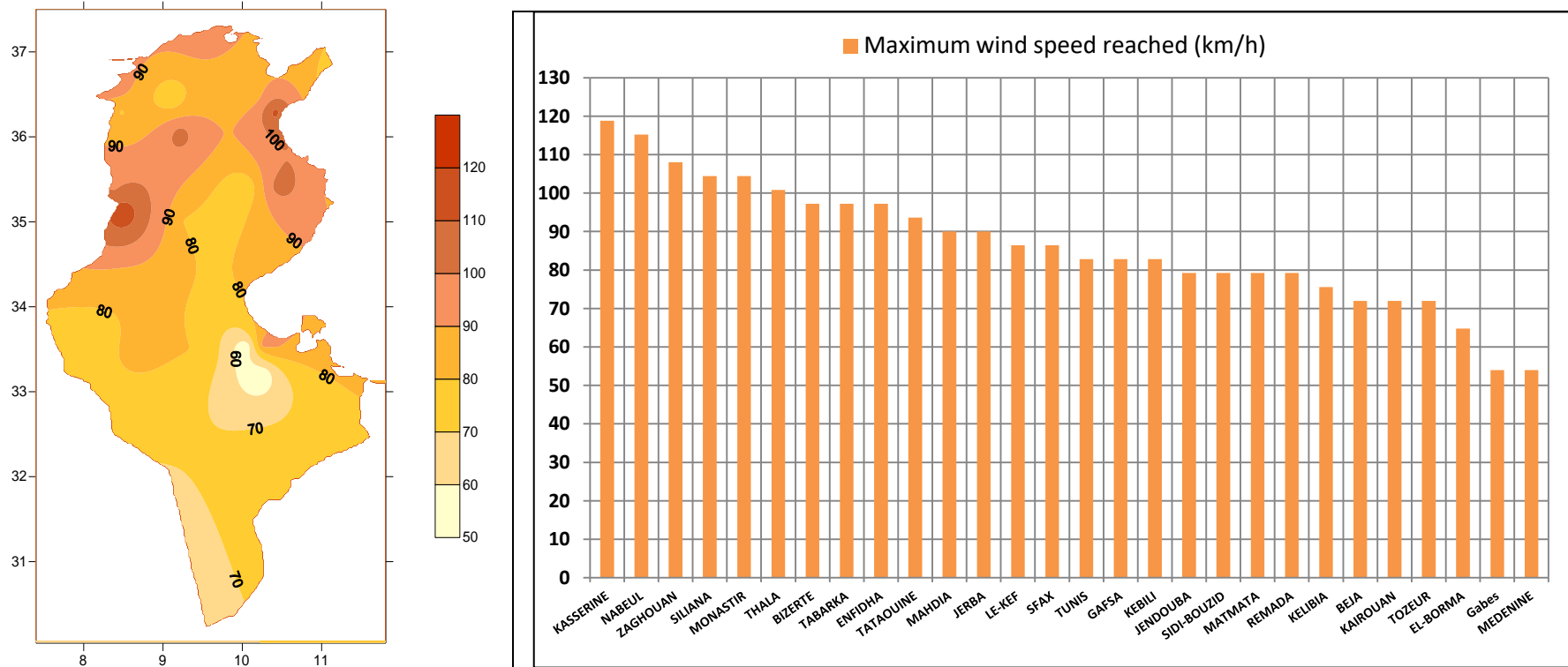


The geographical distribution of the seasonal total amounts of precipitation (in millimeters) during autumn of 2022

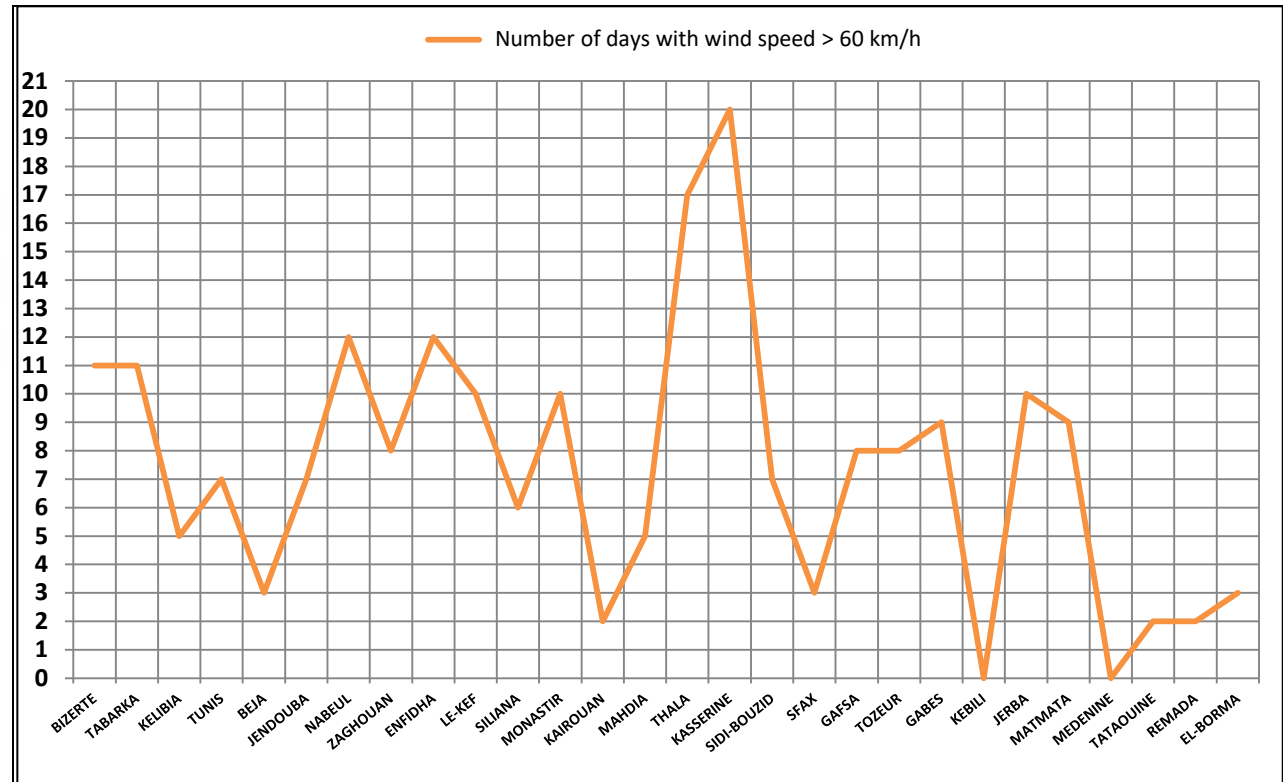
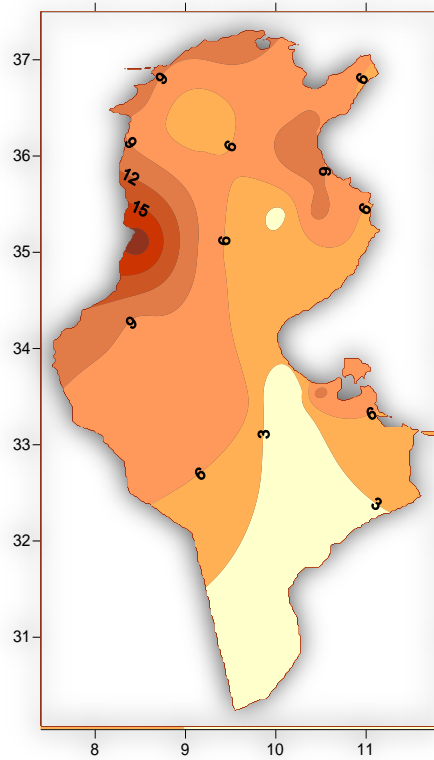


- The wind:

Wind speeds exceeded 100 km/h this autumn in 6 main stations : Nabeul, Zaghouan, Siliana, Monastir, Thala and Kasserine.



The maximum recorded wind speed (km/h) during the autumn of 2022 by region



Number of days when the wind speed exceeded 60 km / h