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**“ INNOVATIVE AGRICULTURAL TECHNIQUES TO BOOST
ENTREPRENEURIAL SKILLS OF FUTURE FARMERS”**

FARMERS FOR FUTURE

ERASMUS+ PARTNERSHIPS

PROJECT 2020-1-IT01-KA202-008505

IEK KAVALAS, GREECE



Climate

Climate is the long-term pattern of weather in an area, typically averaged over a period of 30 years. More rigorously, it is the mean and variability of meteorological variables over a time spanning from months to millions of years.

Some of the meteorological variables that are commonly measured are temperature, humidity, atmospheric pressure, wind, and precipitation.

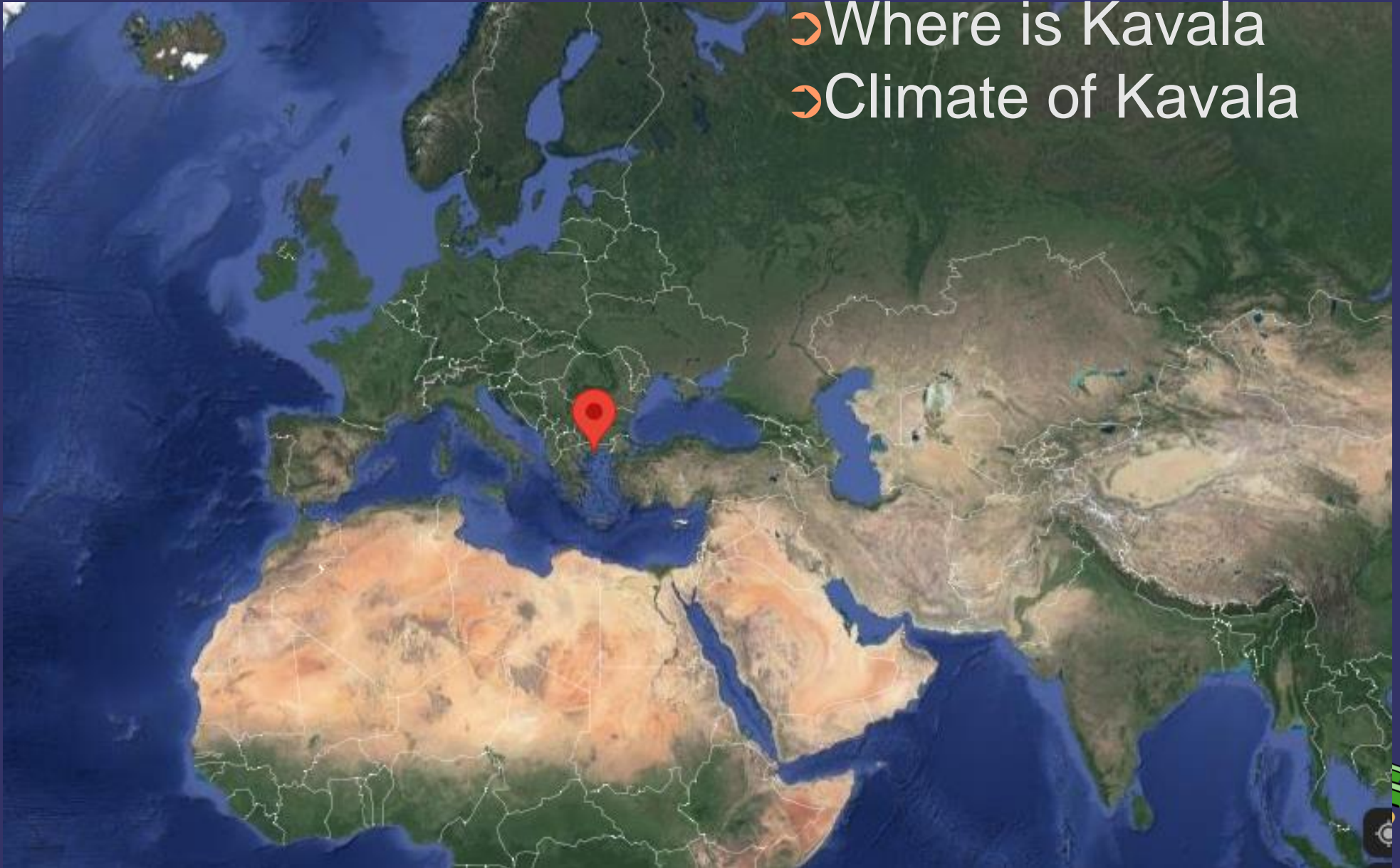
In a broader sense, climate is the state of the components of the climate system, which includes the ocean, land, and ice on Earth.

The climate of a location is affected by its latitude/longitude, terrain, and altitude, as well as nearby water bodies and their currents.



Overview

- Where is Kavala
- Climate of Kavala



Where is Kavala?

➤ The prefecture of Kavala is located between the rivers Nesto and Strymon, which are its natural boundaries. It has an area of 2,109 km. And it borders the prefectures of Xanthi (east), Drama (north) and Serres (west). Administratively it includes eleven municipalities with the largest being the municipality of Kavala. The new Municipality of Kavala has an area of 112,599 acres. Kavala, the capital of the prefecture, is located on the Egnatia Odos, 2 hours by car from Thessaloniki (160 km). Upon entering the city, one sees it lying amphitheatrically between the slopes of the hills that surround it and the north coast of the Aegean Sea.



Climate of Kavala!

➤ Kavala is built on granite ground. In the prefecture there are deposits of peat, iron ore, hydrocarbons and marble. The climate is of an intermediate type between Mediterranean and Mediterranean. It is characterized by mild winters and hot and dry summers.

➤• Maximum average monthly air temperature: July and August 26 C.

➤• Minimum monthly air temperature: January 5.1 C.

➤• Average annual air temperature: 15.4 C.

➤• Maximum price of rainfall: November 77.9 mm.

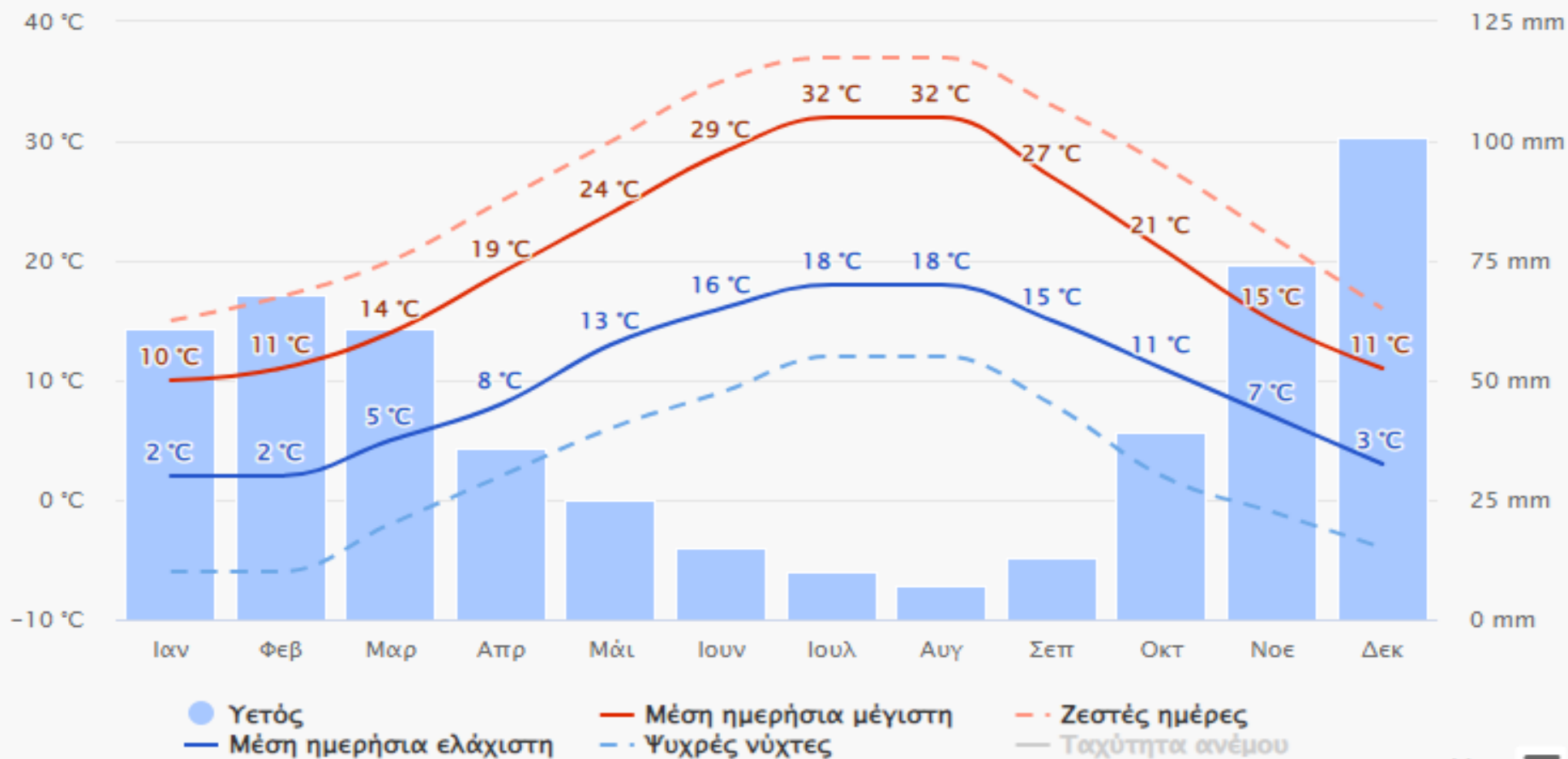
➤• Minimum price: August 8.9 mm.

➤• Average annual rainfall: 540.5 mm.



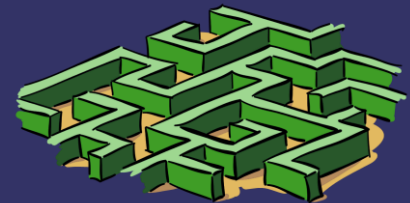
Average temperatures and rainfall

Μέσος όρος θερμοκρασιών και βροχοπτώσεων



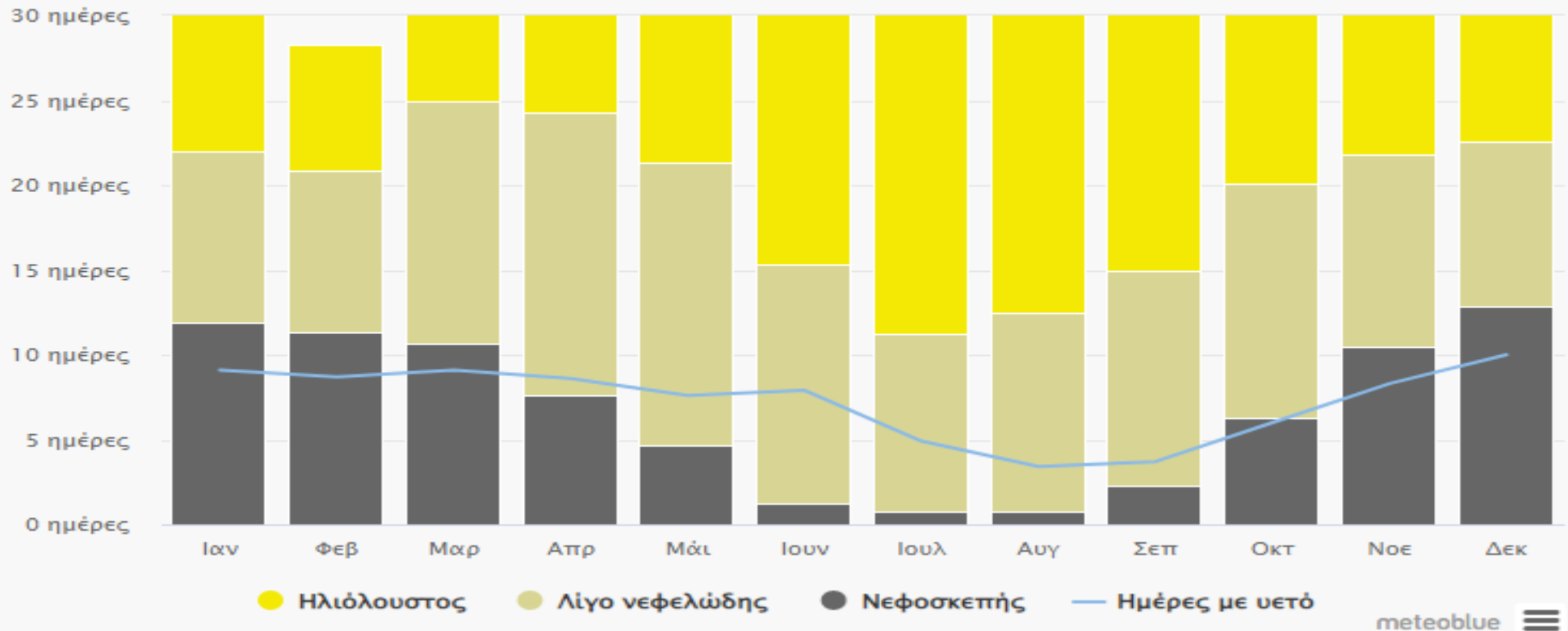
Average temperatures and rainfall

➤ The "daily average maximum" (solid red line) indicates the maximum average daily temperature for each month for Kavala, similarly, the "daily average minimum" (solid blue line) indicates the average minimum temperature. and blue lines) show the average of the hottest day and coldest night of each month for the last 30 years. To plan your vacation, you should expect average temperatures, and be prepared for warmer and colder Wind intensities are not displayed by default, but can be activated at the bottom of the graph.



Cloudy, clear skies and rainy days

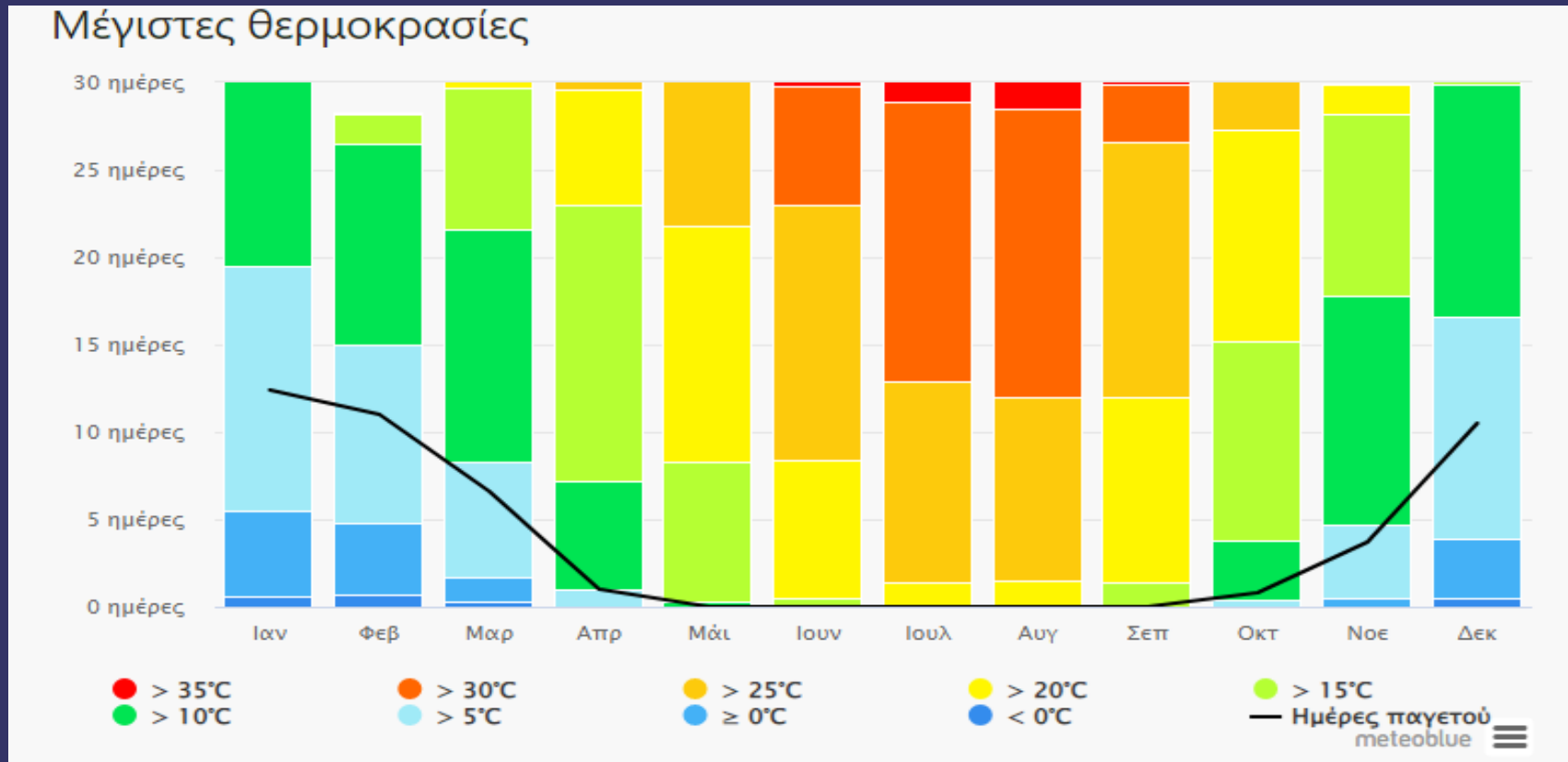
Νεφελώδης, αίθριος και ημέρες βροχόπτωσης



➤ The graph shows the monthly number of days with clear weather, slightly cloudy, cloudy and rainy days. Days with less than 20% cloud cover are considered clear, with 20-80% cloud cover as cloudy and with more than 80% as cloud cover.



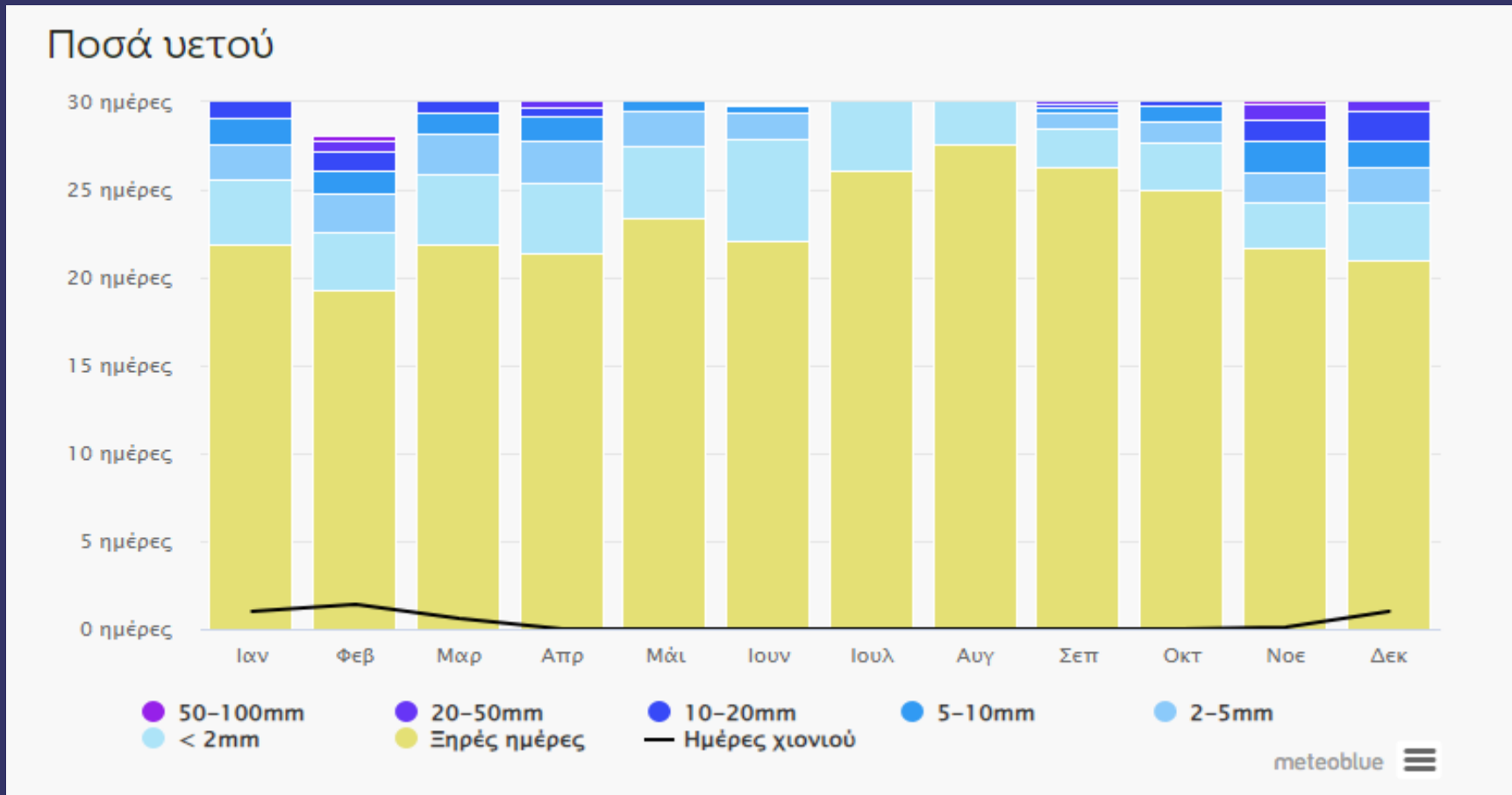
Maximum temperatures



→ The maximum temperature diagram for Kavala displays how many days per month reach certain temperatures. Dubai, one of the hottest cities on Earth, has below 40 ° C almost no day in July. You can also see the cold winters in Moscow where a few days do not even reach -10 ° C as the daily maximum.



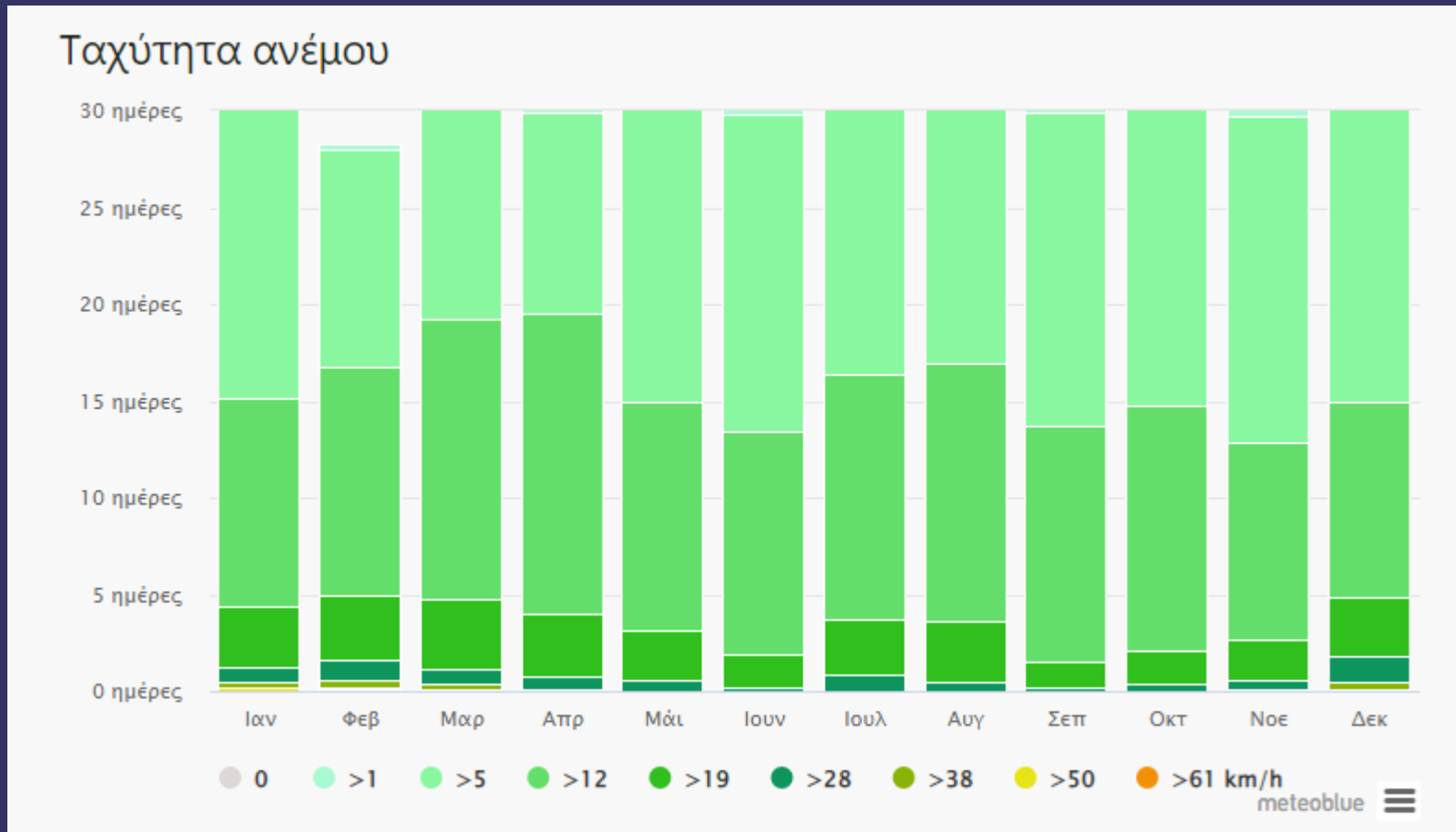
Precipitation amounts



➤ The precipitation diagram for Kavala shows on how many days per month, certain precipitation amounts are reached. In tropical and monsoon climates, amounts can be underestimated.



Speed of wind.

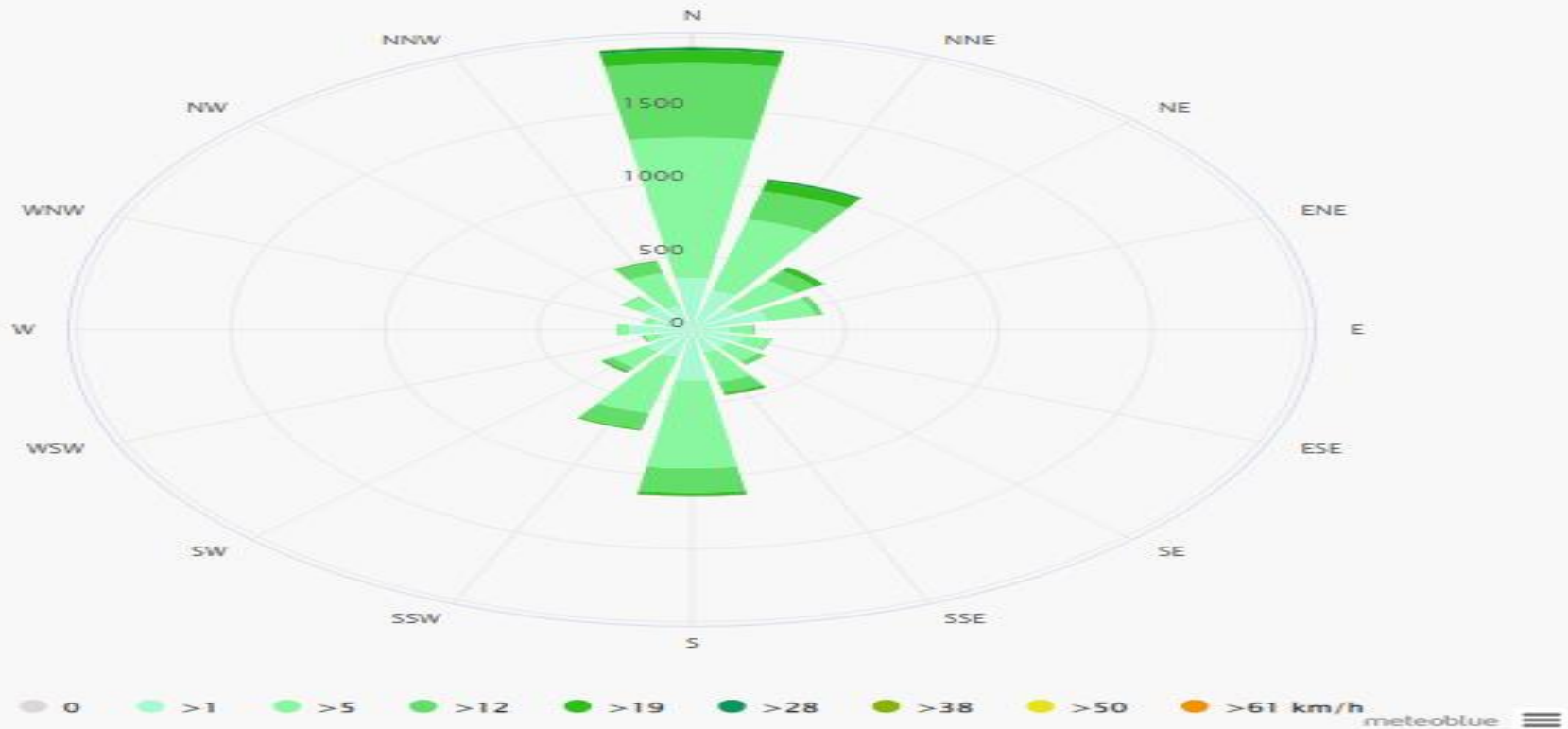


➤ The diagram for Kavala shows the days per month, during which the wind reaches a certain speed. An interesting example is the Tibetan Plateau, where the monsoon generates strong winds from December to April and light winds from June to October.

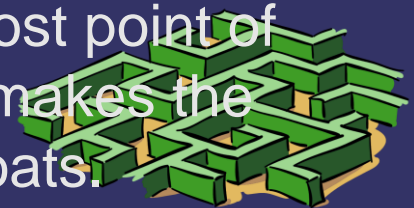


Windmill

Ανεμολόγιο



→ The wind rose for Kavala shows how many hours per year the wind blows from the indicated direction. Example SW: the wind blows from the South-West (SW) to the Northeast (NE). At Cape Horn, the southernmost point of South America, there is a constant strong westerly wind, which makes the passage from East to West very difficult, especially for sailing boats.



Thank you.

➤ Usefull links:

➤ https://www.meteoblue.com/el/%CE%BA%CE%B1%CE%B9%CF%81%CF%8C%CF%82/historyclimate/climatemodelled/%CE%9A%CE%B1%CE%B2%CE%AC%CE%BB%CE%B1_%CE%95%CE%BB%CE%BB%CE%AC%CE%B4%CE%B1_735861

➤ <https://en.wikipedia.org/wiki/Climate>

➤ <https://www.gtp.gr/LocInfo.asp?infoId=49&IncludeWide=1&code=EGRRKV&PrimeCode=EGRRKV&Level=4&PrimeLevel=4&LocId=10841&Ing=1>

