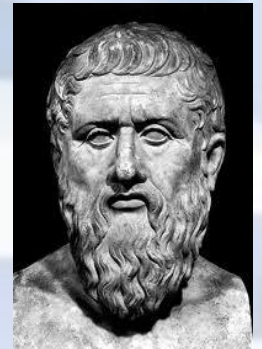
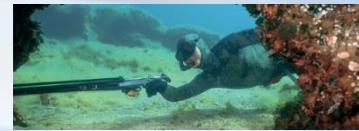
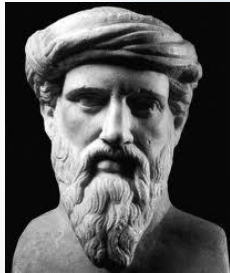


# Natural Sciences history, meteorology & climatology of Greece



# *Location*

ГОСЯИОН



Small country, big history

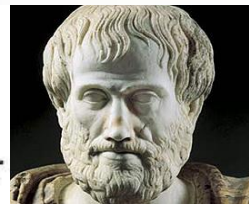
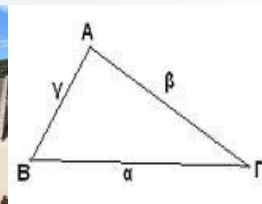
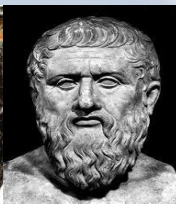




# Quick facts

Greece, birth place of:

- **The Olympic Games** (776 BC)
- **Philosophy** (Socrates, Aristoteles, Platon...)
- **Democracy** (Athens 506 BC)
- **Tragedy and comedy** (Sophocles, Aristophanes...)
- **Major scientific and mathematical principles** (Pythagoras, Eucleides, Archimedes, Thales, Hippocrates...)
- **Historiography** (Herodotus, Homer...)
- .....
- **~40.000** words and derivatives in English/German language are pure Greek



# General features

## Greece

- is located at the South East part of Europe
- has land borders with Turkey, Bulgaria, F.Y.R.O.M., Albania
- has sea borders with Aegean Sea, Ionian Sea, Mediterranean Sea
- is a member of the European Union (1981-?)

Population: 10.787.690 residents

Area: 131.990 km<sup>2</sup>

Coastline: 13.676 km (12th)

Islands: 2.500

Capital: Athens (40% of pop.)

Language: Greek

Form of government: Parliamentary Democracy

Life expectancy: 80,2 years





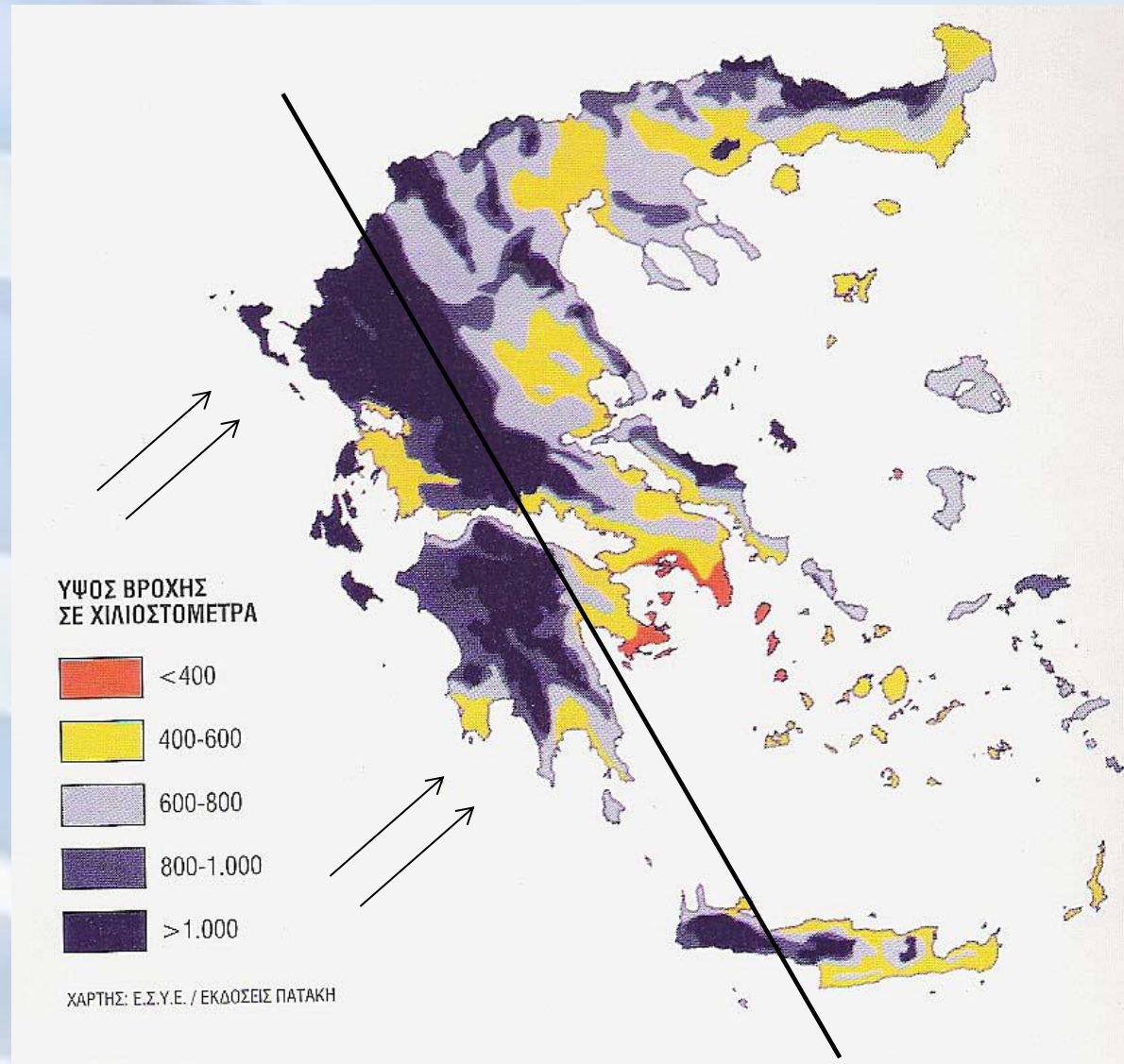
# Geography





# Climate




- Greece primarily has a Mediterranean climate, featuring mild, wet winters and hot, dry summers.
- The Pindos mountain range strongly affects the climate of the country, as areas to the west of the range are considerably wetter on average (due to greater exposure to south-westerly systems bringing in moisture) than the areas lying to the east of the range (due to a rain shadow effect).
- Snowfalls occur every year in the mountains and northern areas, and brief snowfalls are not unknown even in low-lying southern areas, such as Athens.



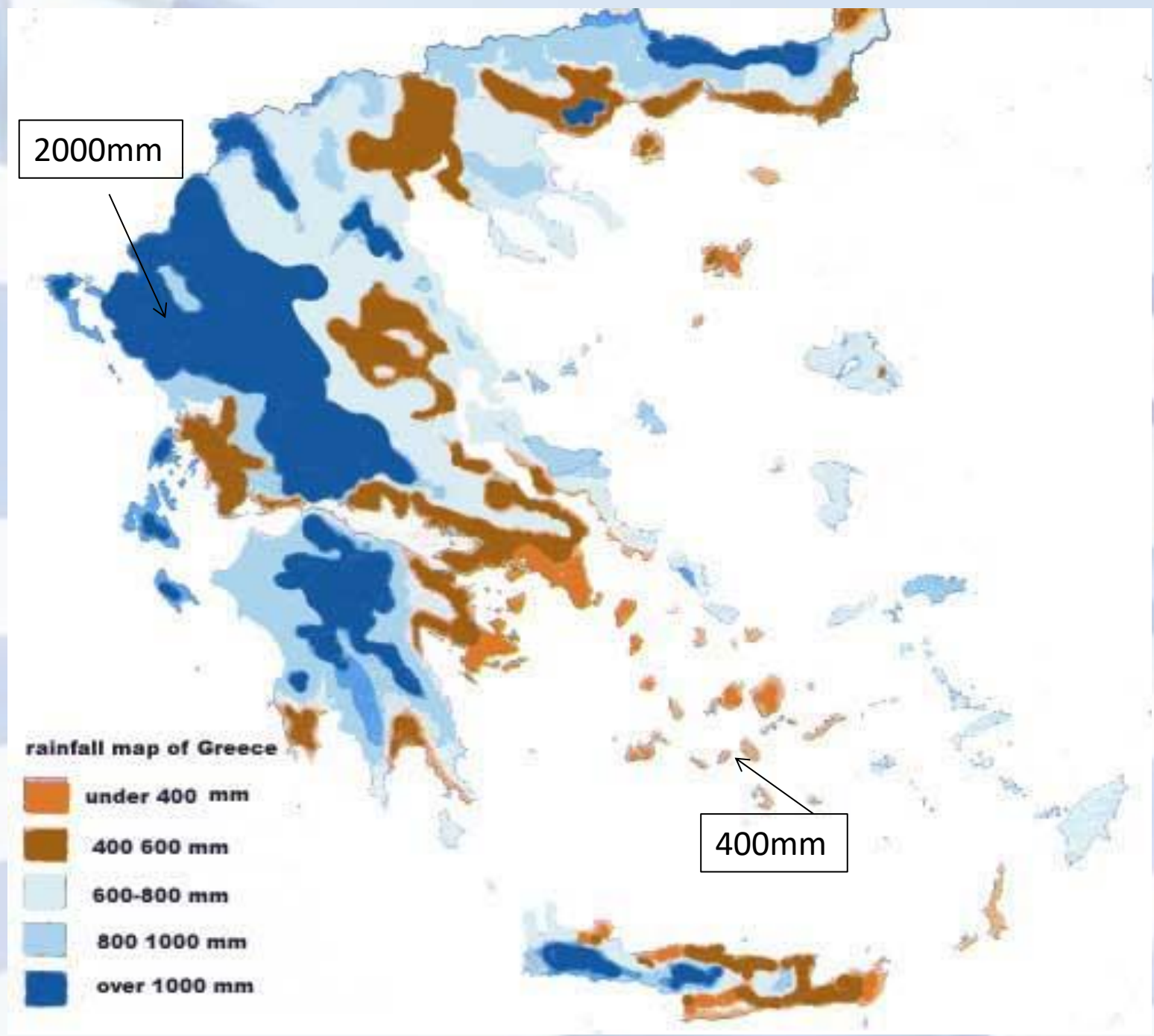
2000mm



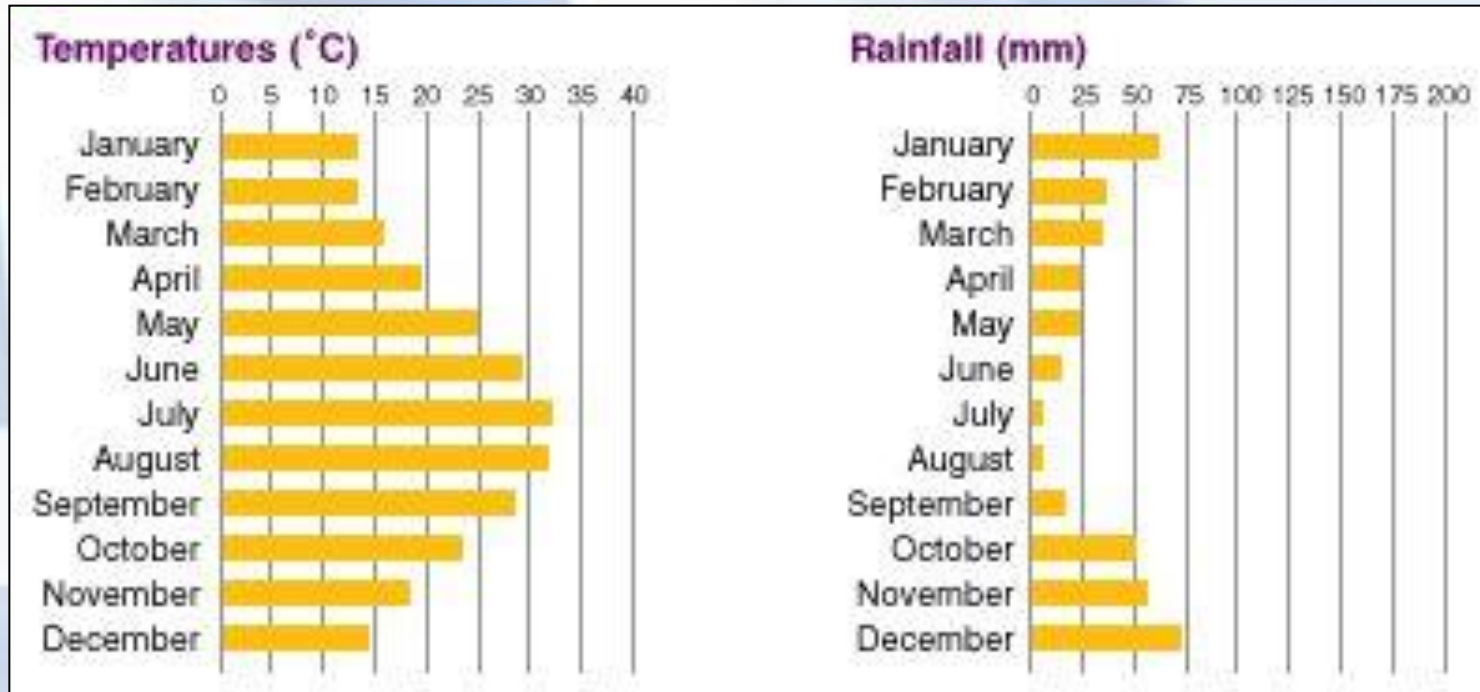
rainfall map of Greece

-  under 400 mm
-  400 600 mm
-  600-800 mm
-  800 1000 mm
-  over 1000 mm

400mm



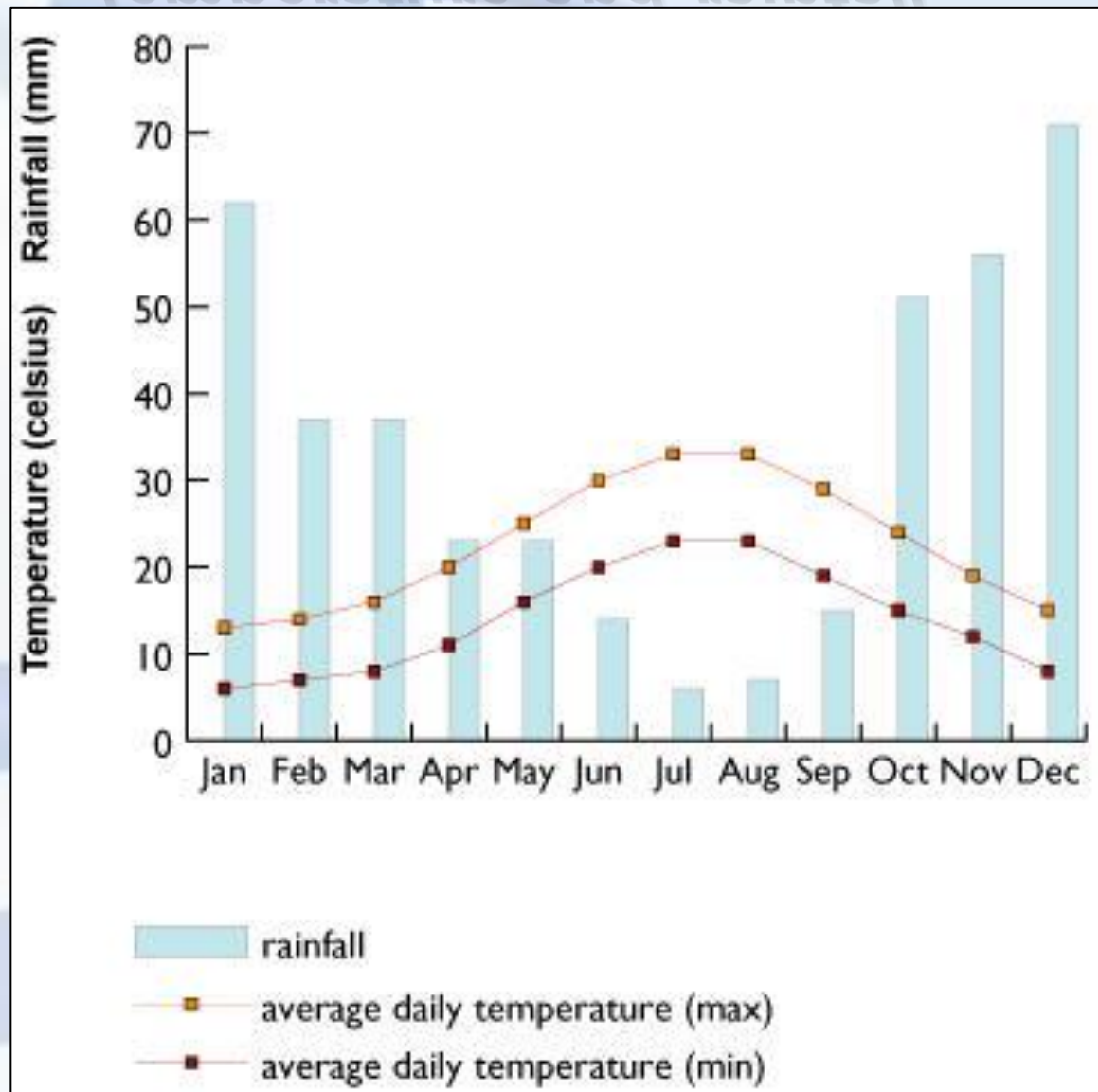
# Temperature and rainfall



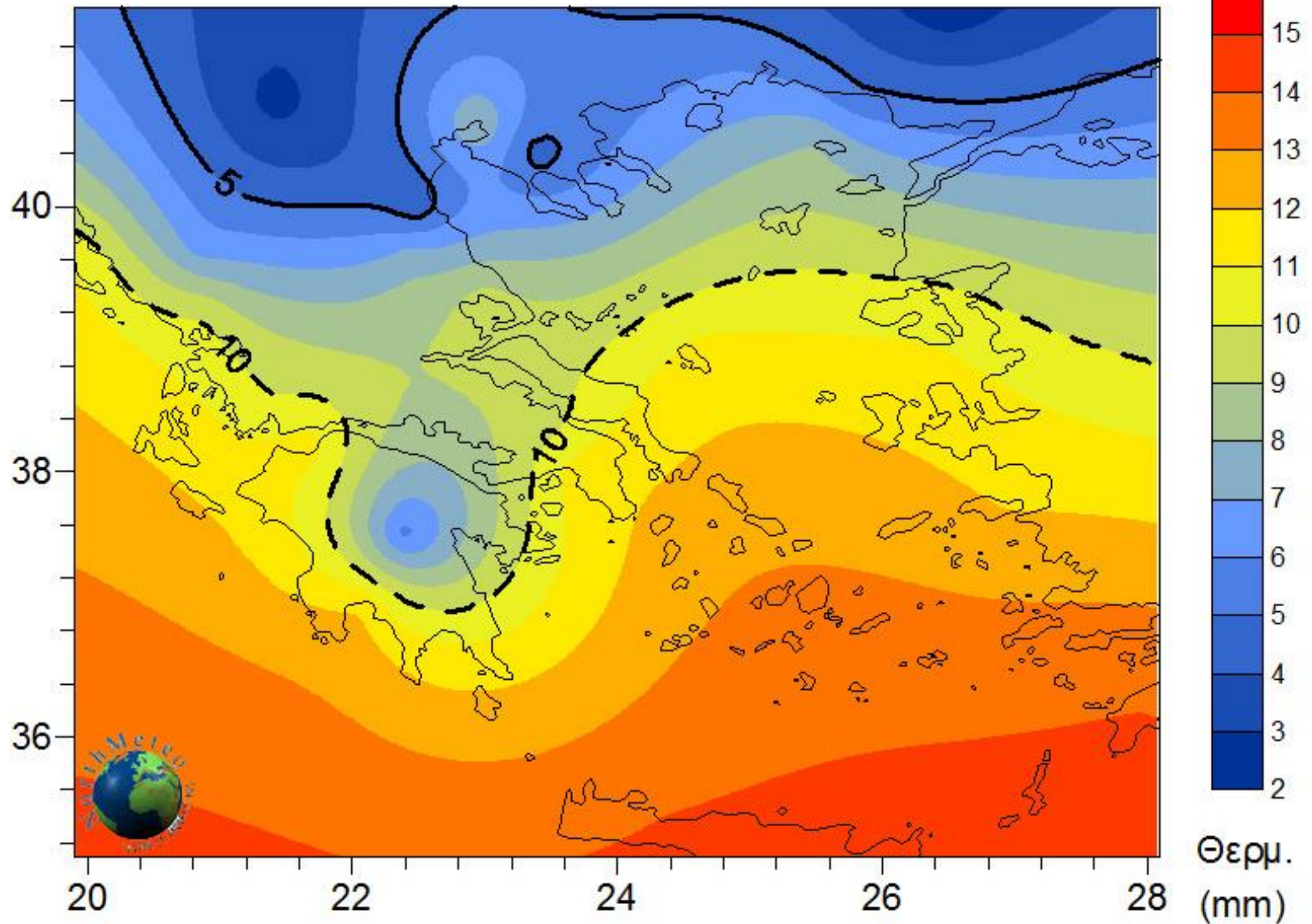
- Lowest mean temperature: December-January: 10-15 °C
- Highest mean temperature: July-August: 30-35 °C



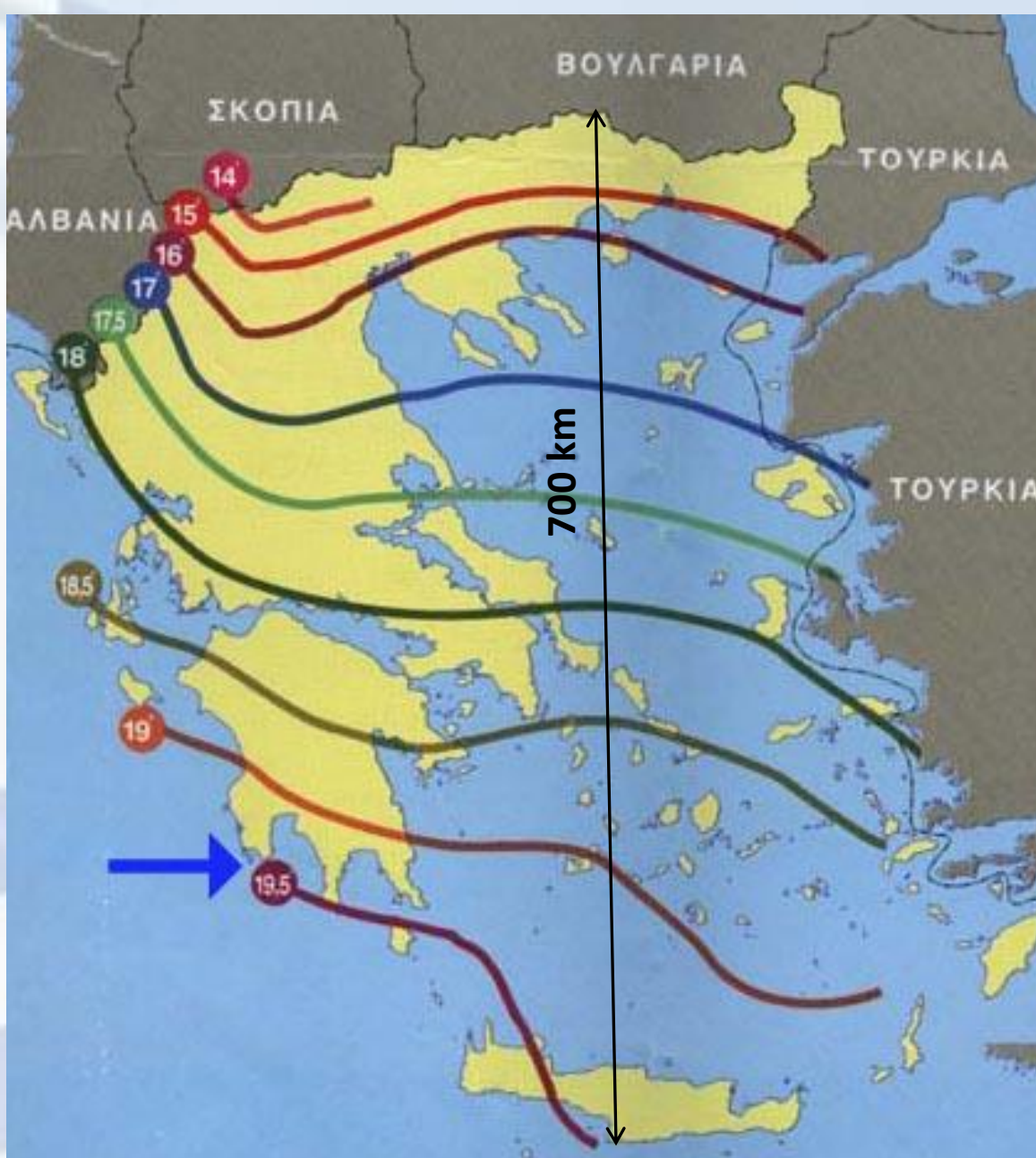
# Temperature and rainfall



# Average Temperature, January 2010



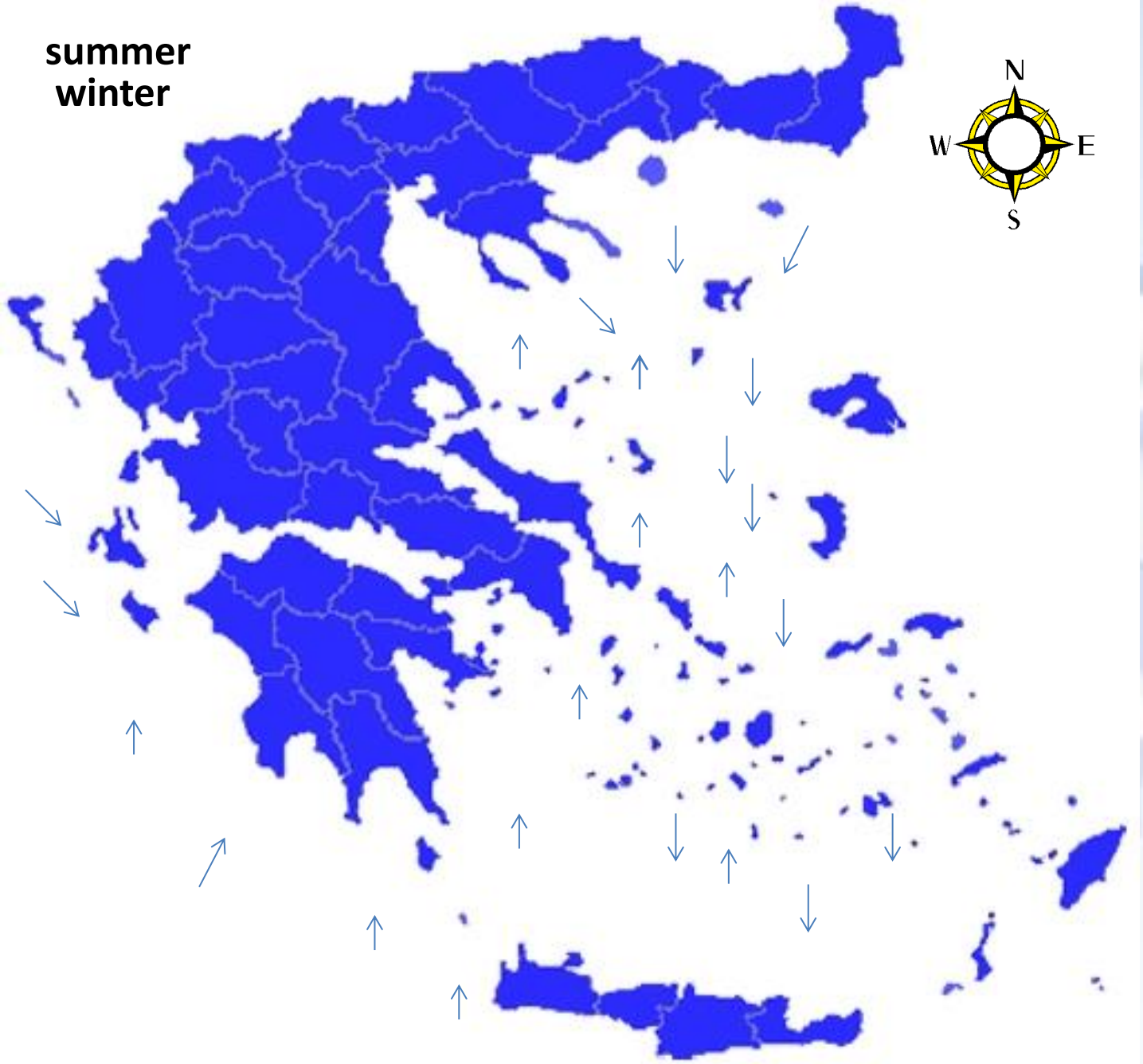
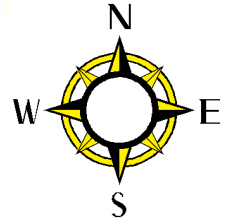




Isotherm lines for average annual temperature

# Wind

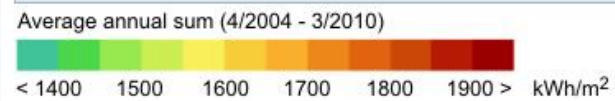
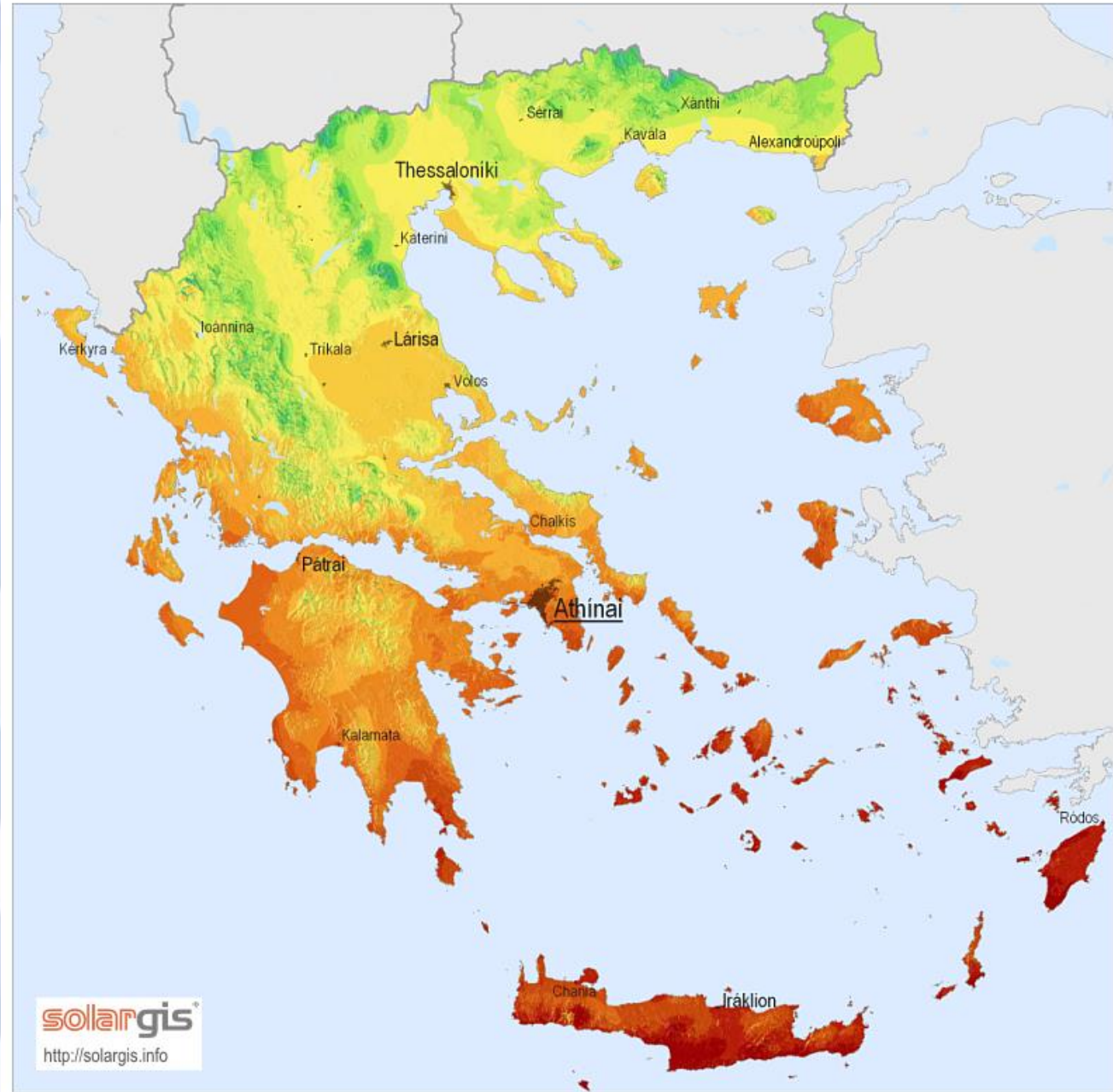
summer  
winter





Horizontal irradiation  
Average annual sum:  
1400 to 1900 kWh/m<sup>2</sup>

Sunshine approx.  
300 days per year



Ευχαριστώ για την προσοχή σας!





**Thank you for your attention!**

