

# Multimedia Test

Tver, Russia  iGeo



# Instructions

This test has 40 questions.

Look at every page and read the questions carefully.

You have 45 minutes to complete the test. If you finish early wait silently until the 45 minutes are over.

Each question is multiple-choice. Choose *A*, *B*, *C* or *D*. Only one answer is correct.

Some questions contain a short video clip (indicated with ). Click inside the video frame to start it.

Mark your choice on the Answer Sheet by making a circle around the letter that you want to select. If you make a mistake cross out the selected letter and circle a new choice.

For navigation it is best to use the arrows on the keyboard to move to the next (↓ →) or previous (↑ ←) page. **DO NOT CLICK ON THE ESCAPE BUTTON, AS THAT ENDS THE PRESENTATION.**

**Good luck!**



**Q.1**

**Pingualuit, the Canadian lake in the middle of the satellite image, was formed through which process?**

A. meteorite impact

B. glacial erosion

C. permafrost melting

D. volcanic eruption



**Q.2**

According to this map, which of the following groups of countries can be considered most at risk from the effects of climate change?

most  
at risk

30-39

40-49

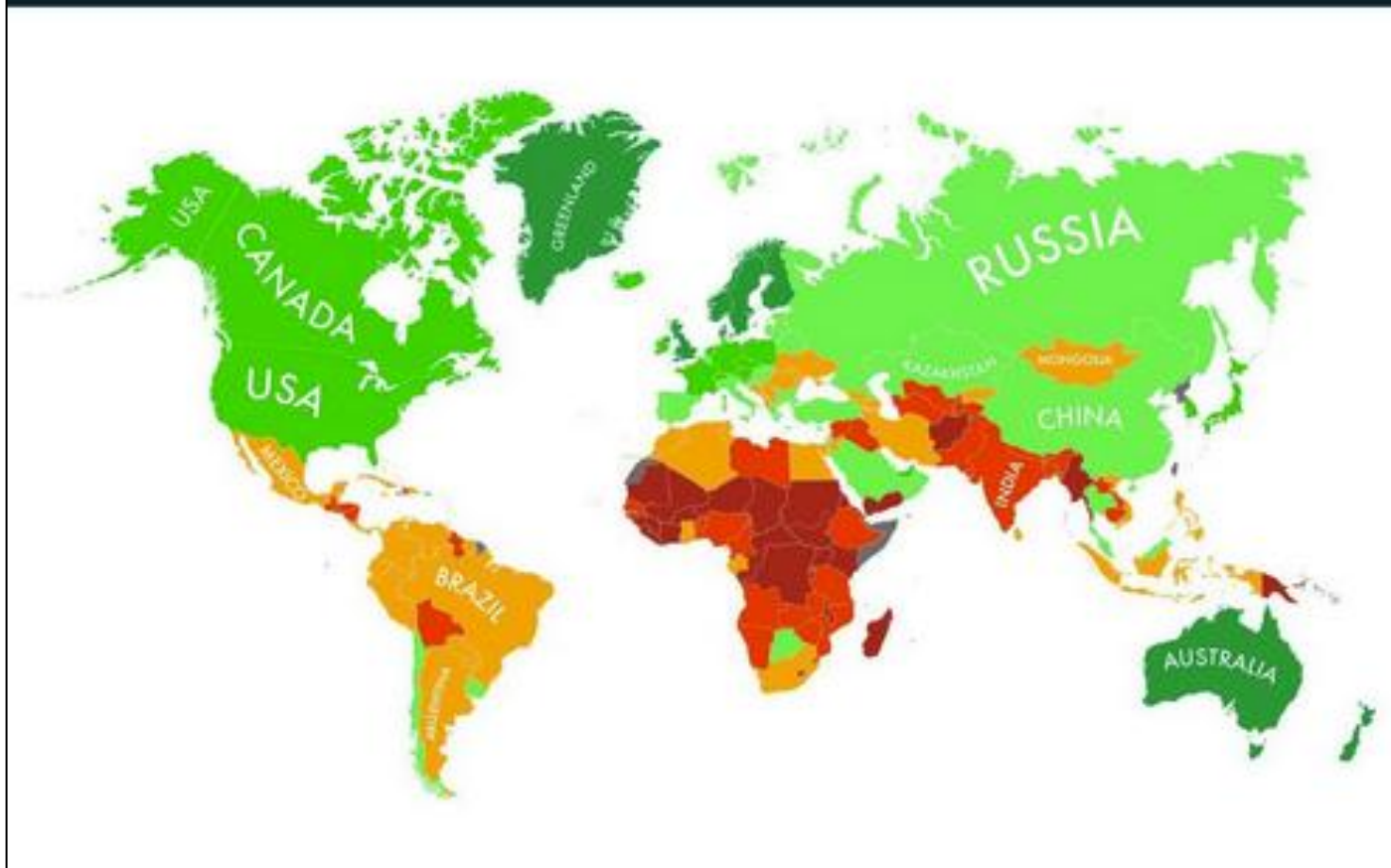
50-59

60-69

70-79

80+

least  
at risk



A. Afghanistan,  
Chad and  
Guatemala

B. Botswana,  
Peru and  
Saudi Arabia

C. Cuba,  
Malaysia and  
South Korea

D. Italy, Spain  
and Uruguay



**Q.3**

**Which natural phenomenon most likely caused the destruction shown in the picture?**

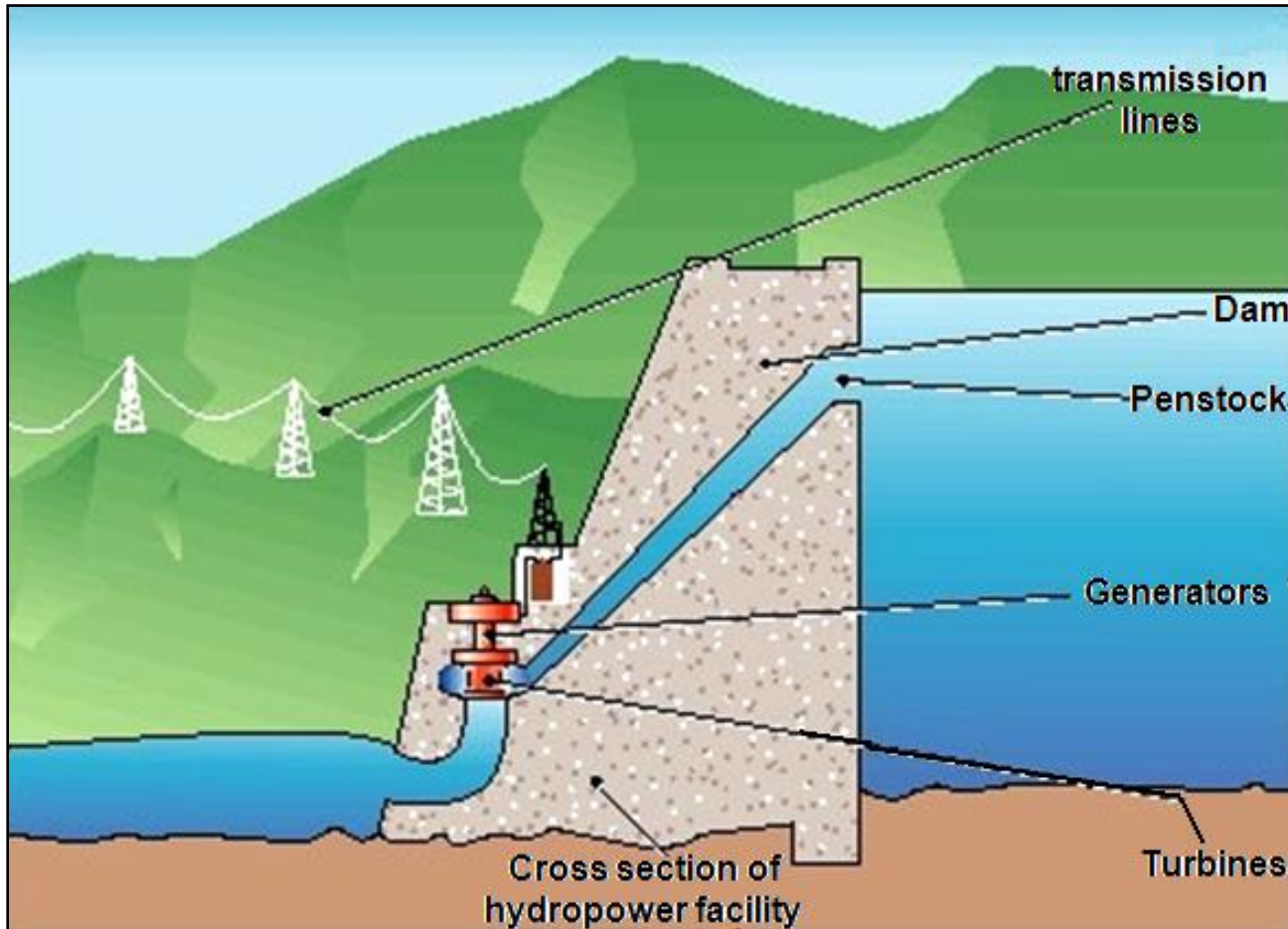
- A. earthquake    B. hurricane    C. mudslide    D. tornado



**Q.4**

The amount of energy produced by a hydropower plant is mainly determined by:

- A. the elevation distance the water falls
- B. the volume of the water flow
- C. both the volume and the elevation distance
- D. the distance the transmission lines travel from the plant





**Q.5**

**The valley in the picture below was formed by:**

- A. a fault    B. a flash flood    C. a glacier    D. a lava flow





**Q.6**

**What caused the red colouring in this sandstone?**



- A. calcium carbonate
- B. copper sulphate
- C. iron oxide
- D. organic matter

**Q.7**

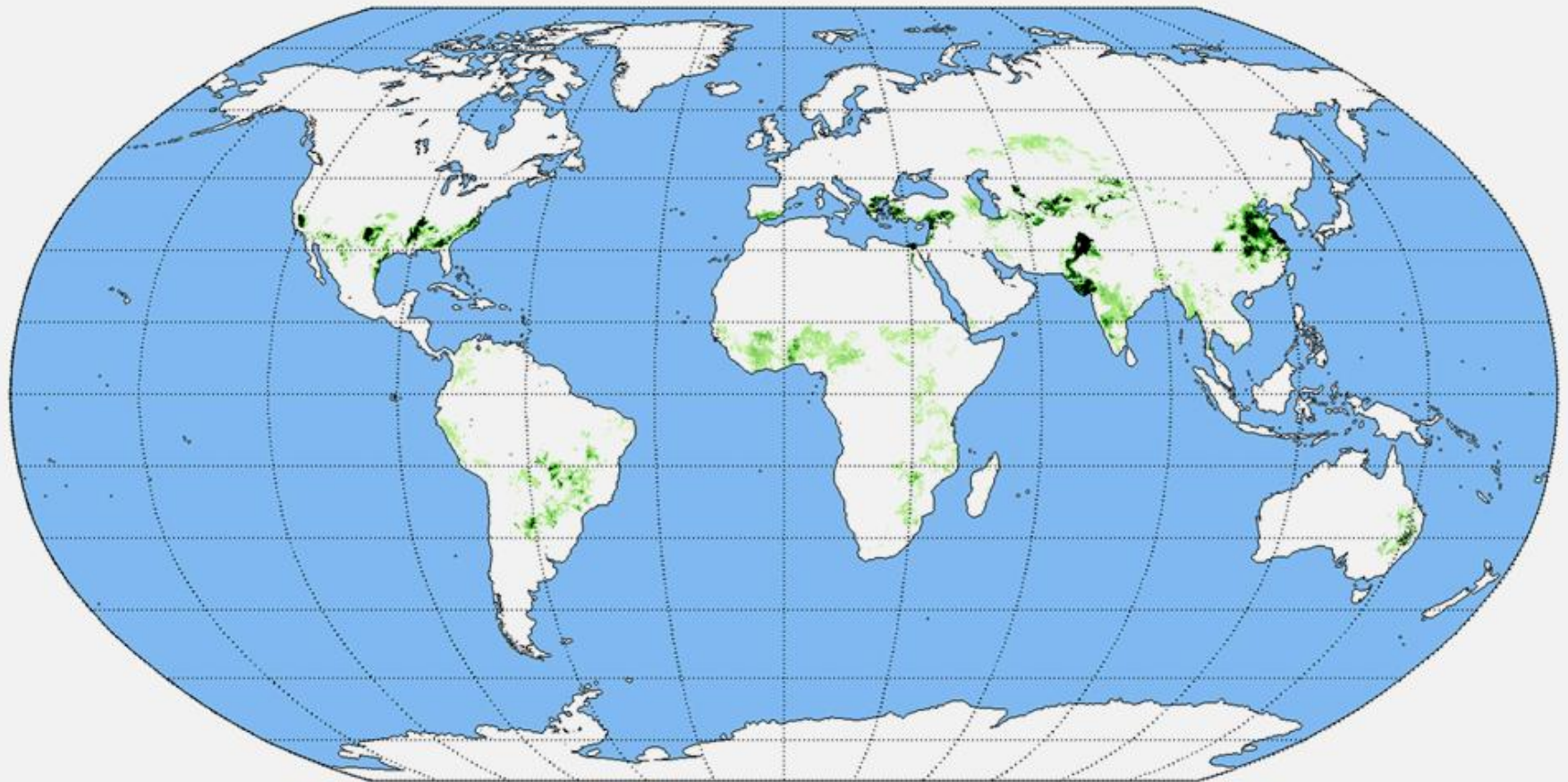
The map shows regions which are major producers of:

A. apples

B. bananas

C. citrus

D. cotton



50

100

150

200



Average regional output (kg/ha)



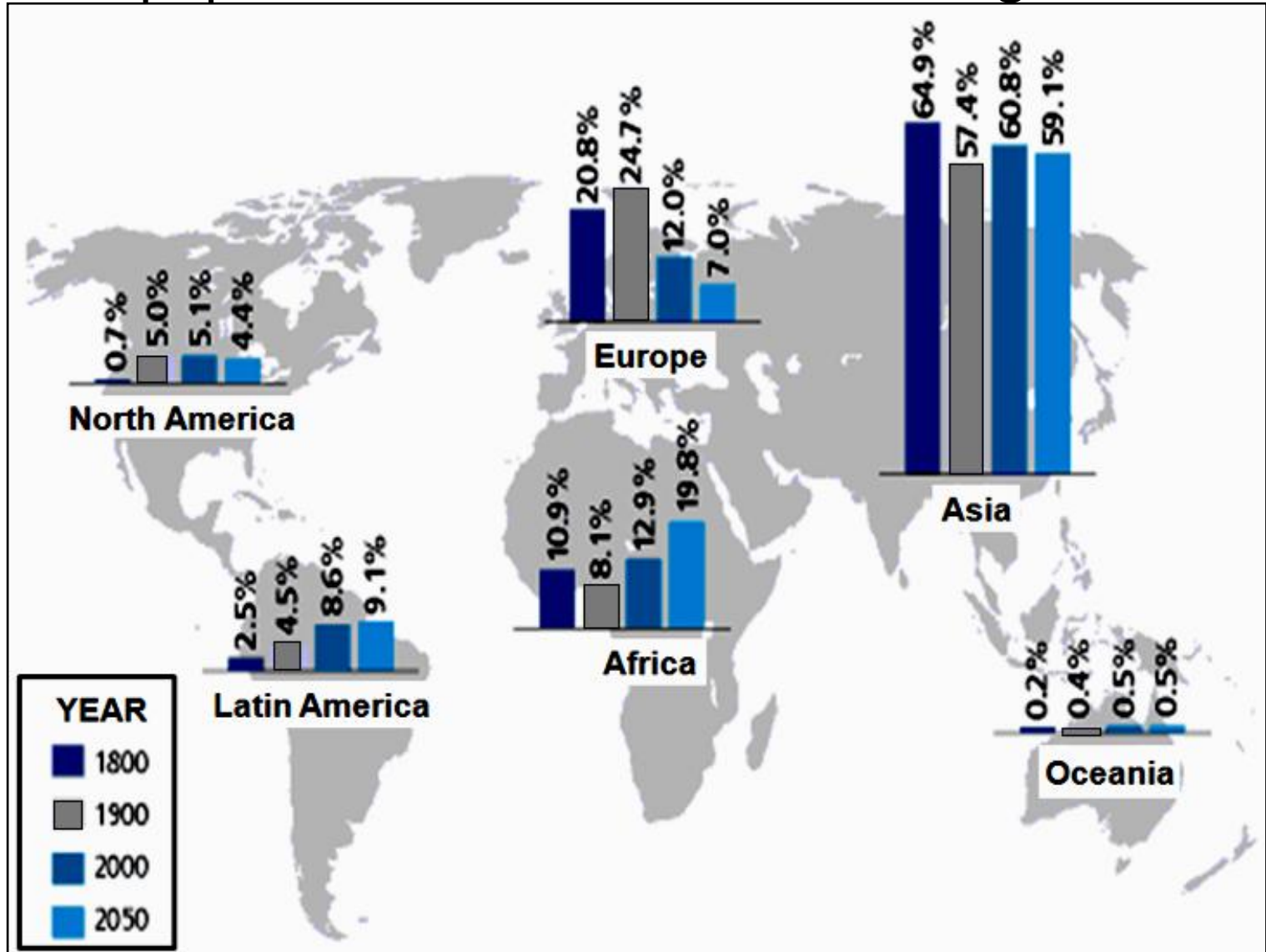
**Q.8** The figure represents the distribution among continents of:

A. agricultural land

B. mining industry

C. population

D. urban growth





**Q.9**

Occurrences like this are most likely to happen when structures are built on which type of ground surface?



A. alluvial

B. igneous

C. karst

D. rocky

**Q.10**

**Which activity is difficult to do in this area?**

- A. birdwatching      B. canoeing      C. fishing      D. rafting

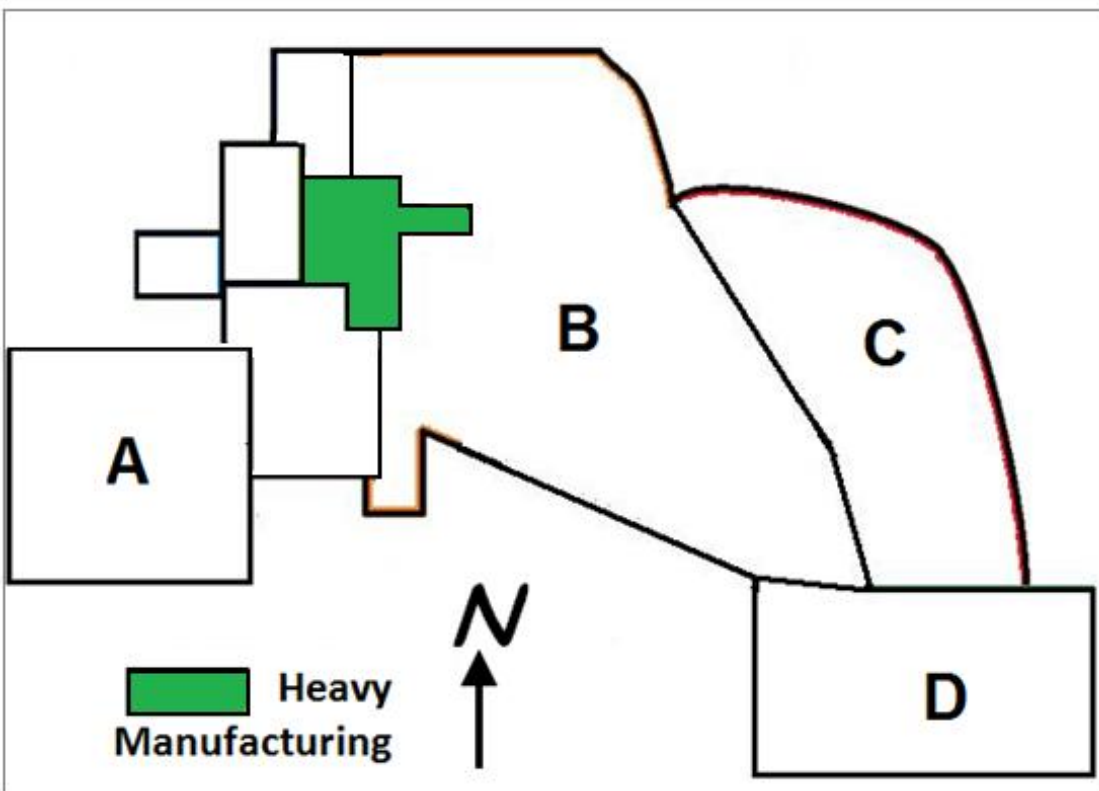
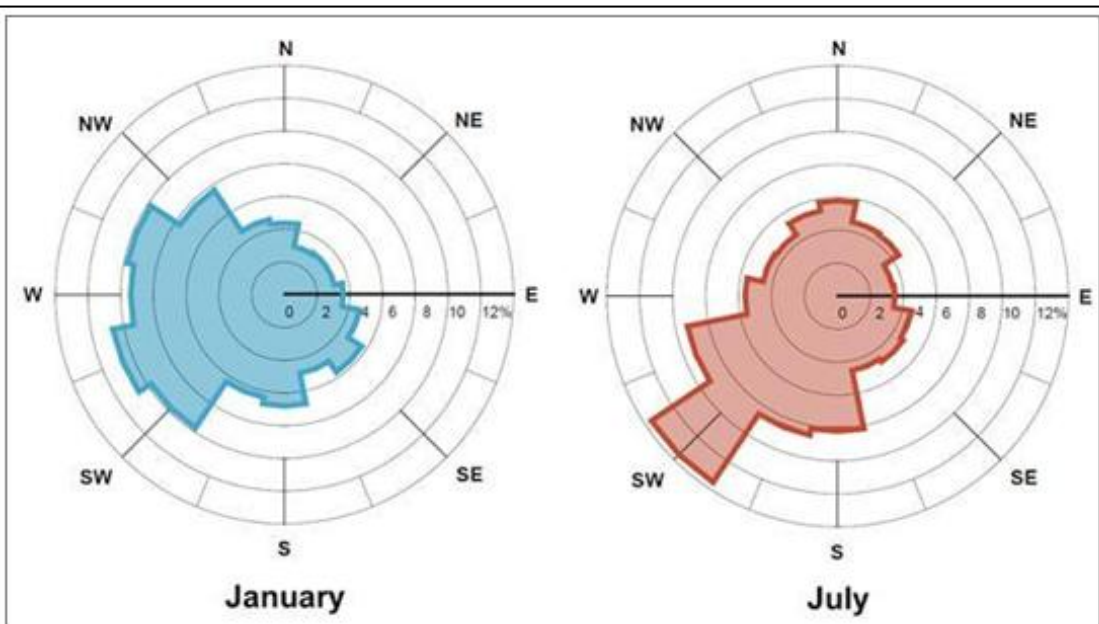




**Q.11**

The figure at the bottom is a diagrammatic representation of a town plan.

Considering the prevailing wind over the year, in which zone (A, B, C or D) would you locate a high-class residential area?





**Q.12**

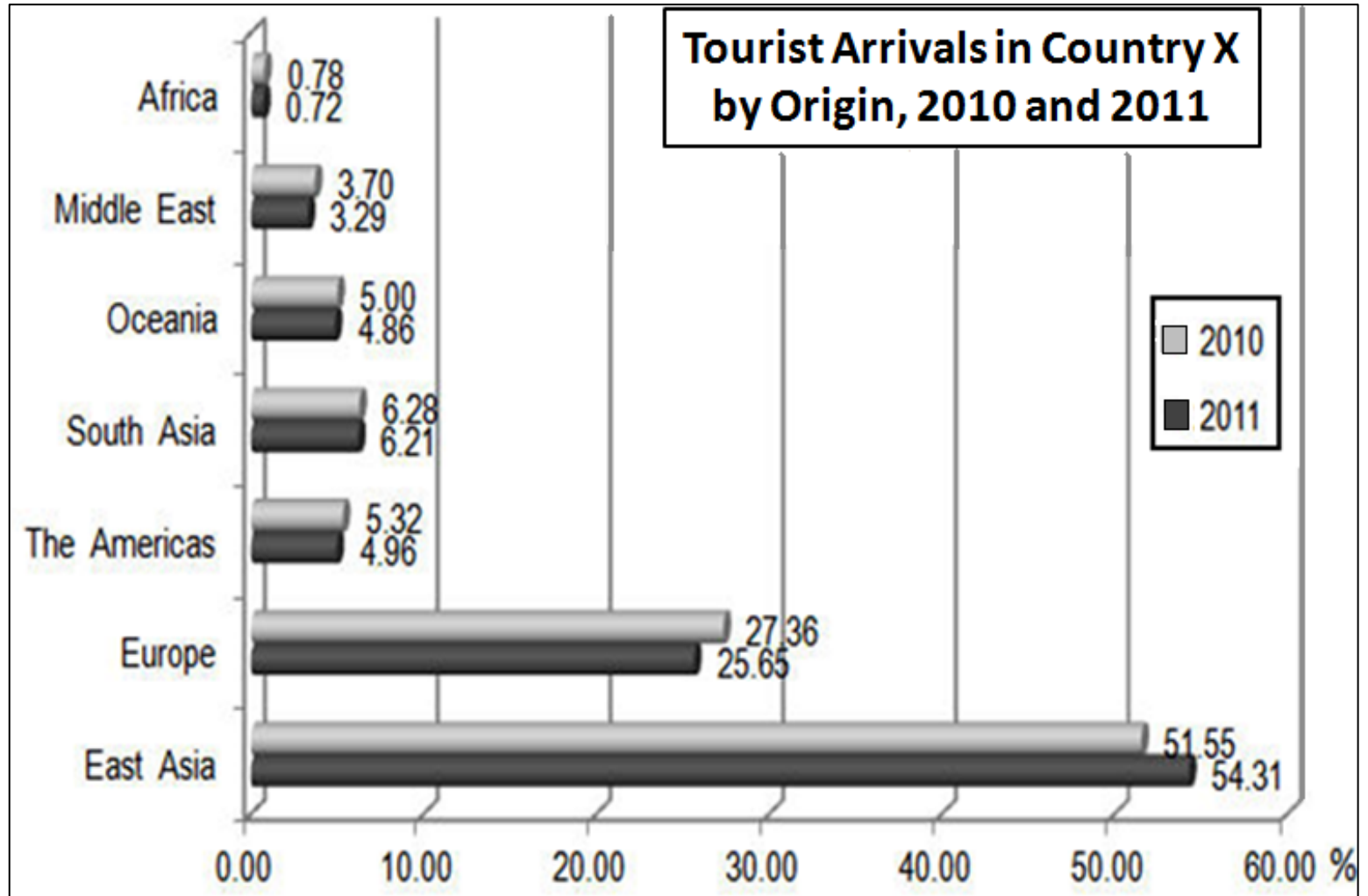
The altimeter in the photograph indicates metres.  
Where was the picture taken?

- A. Lake Chad
- B. Lake Lugano
- C. Lake Titicaca
- D. Lake Vostok



**Which of these statements is supported by the evidence in the graph?**

- A. About 94% of all South Asian tourists did not travel to Country X.
- B. About half the tourists travelling to Country X came from East Asia.
- C. African tourists like travelling to Country Y more than to Country X.
- D. In 2011, the number of European tourists dropped.



**Q.13**

**Q.14**

**What is the main income source of this person?**



A. cultivating

B. fishing

C. herding

D. mining



**Q.15**

**The phenomenon shown in this video is caused by:**

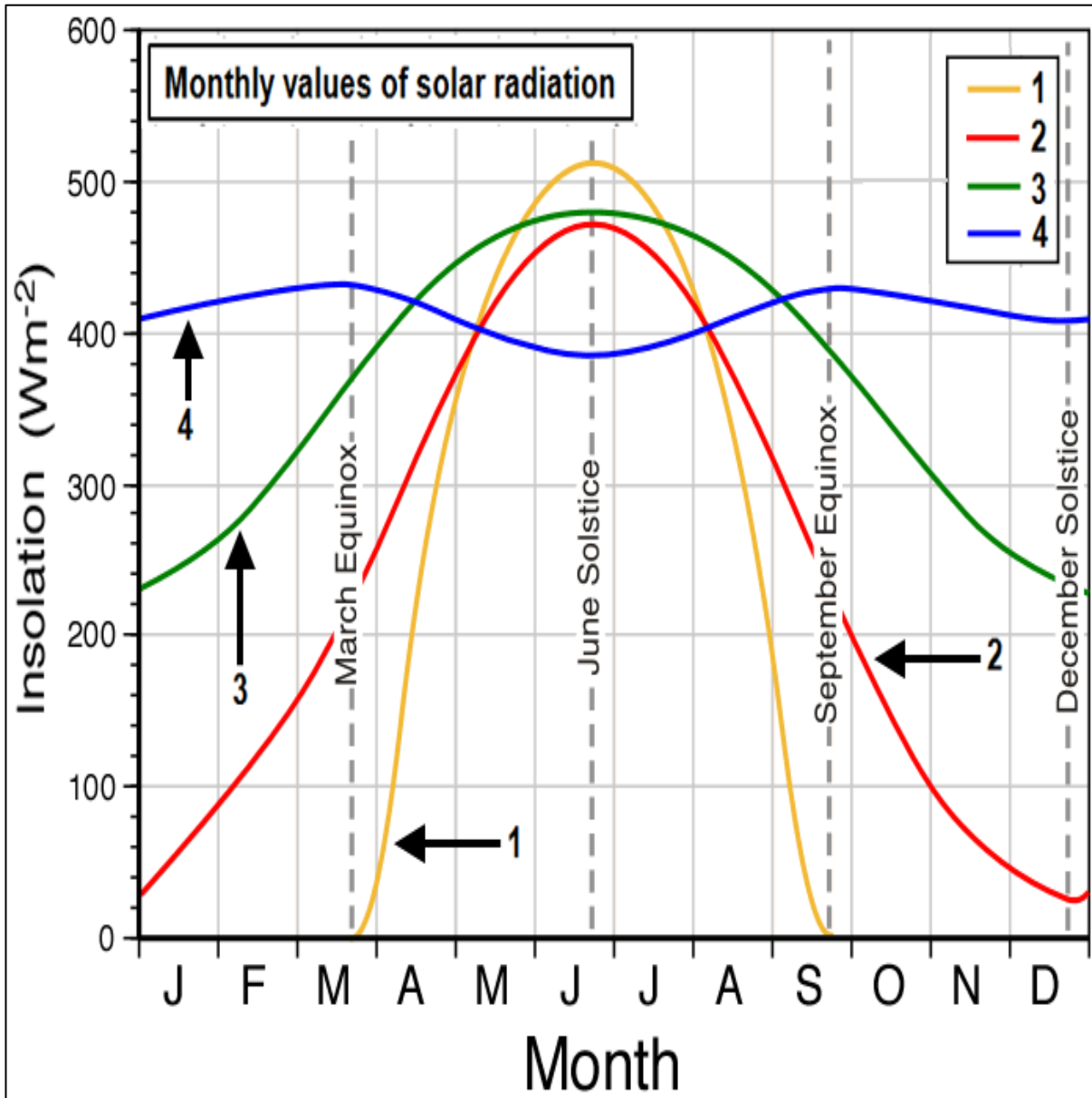


- A. heating of greenhouse gasses by sunlight
- B. ionization by the solar wind of  $O_2$  and  $N_2$  in the thermosphere
- C. reflection of sunlight by aerosols of volcanic origin
- D. refraction of sunlight by ice crystals in the stratosphere



**Q.16**

Lines 1 to 4 in the graph correspond to different latitudes. Which one of the following statements is correct?

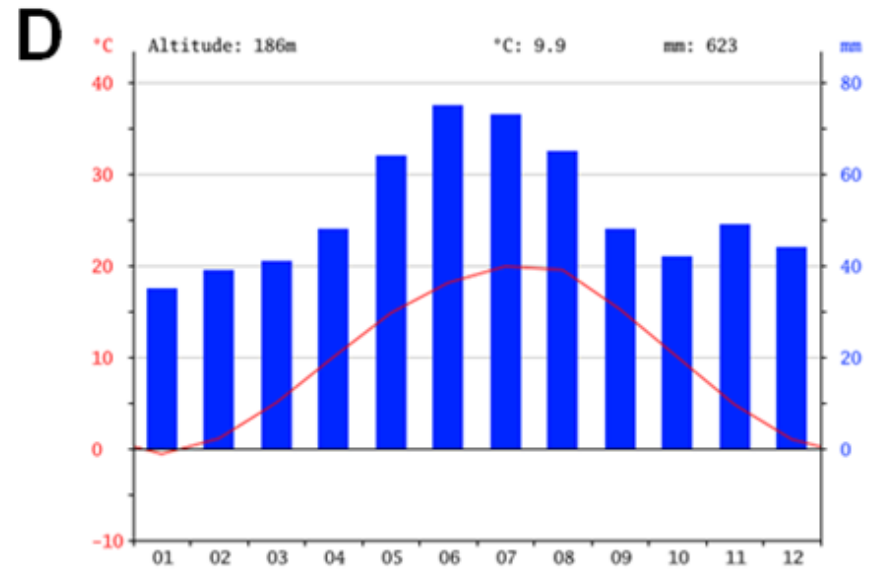
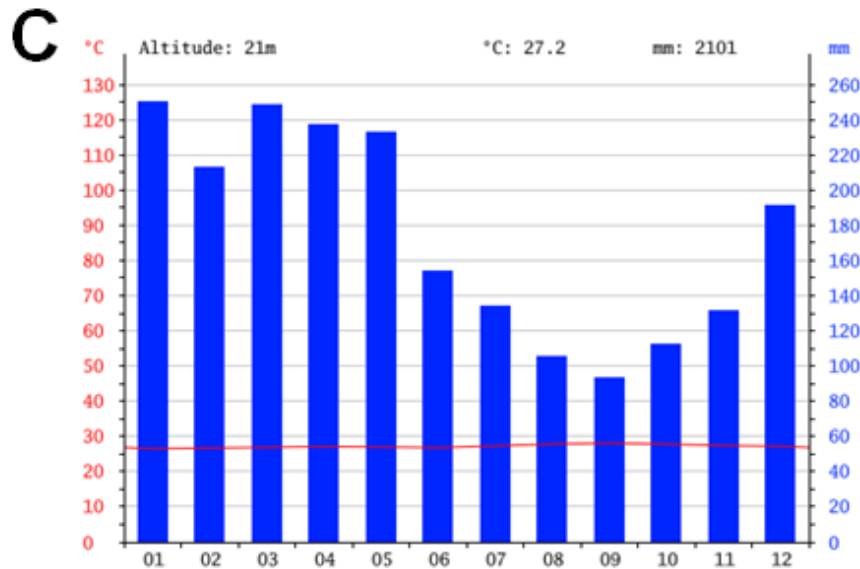
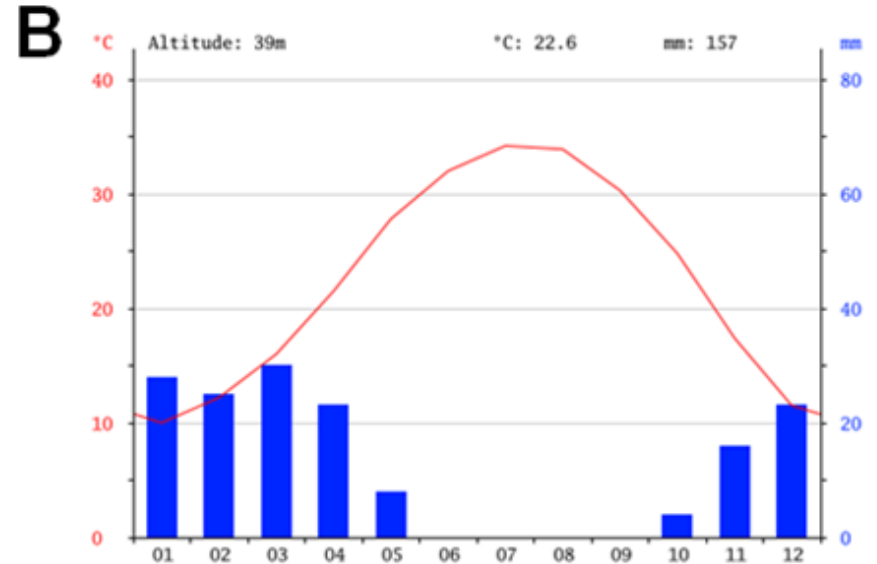
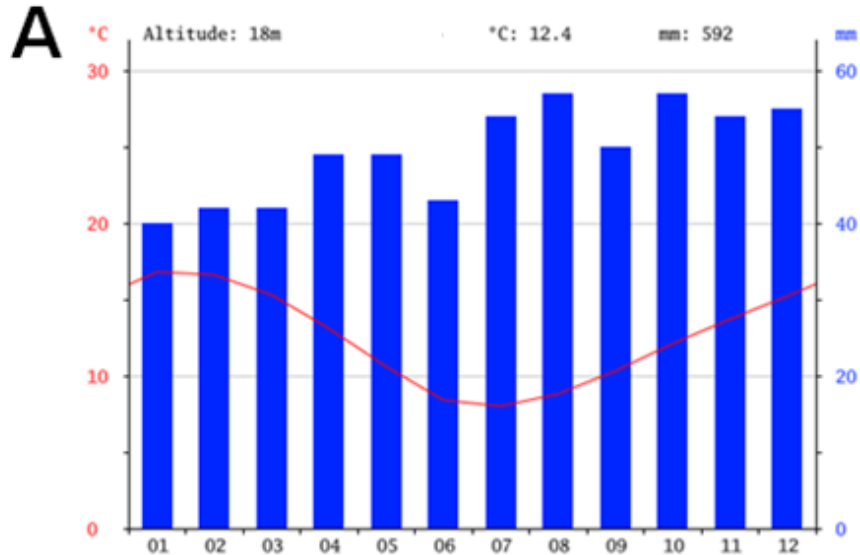


- A. All latitudes shown in this graph are in the southern hemisphere.
- B. At latitude 1, the Sun is perpendicular to the Earth's surface at solar noon at the June solstice.
- C. Latitude 3 is closer to the equator than latitude 2.
- D. Latitude 4 is closer to a polar circle than latitude 1.



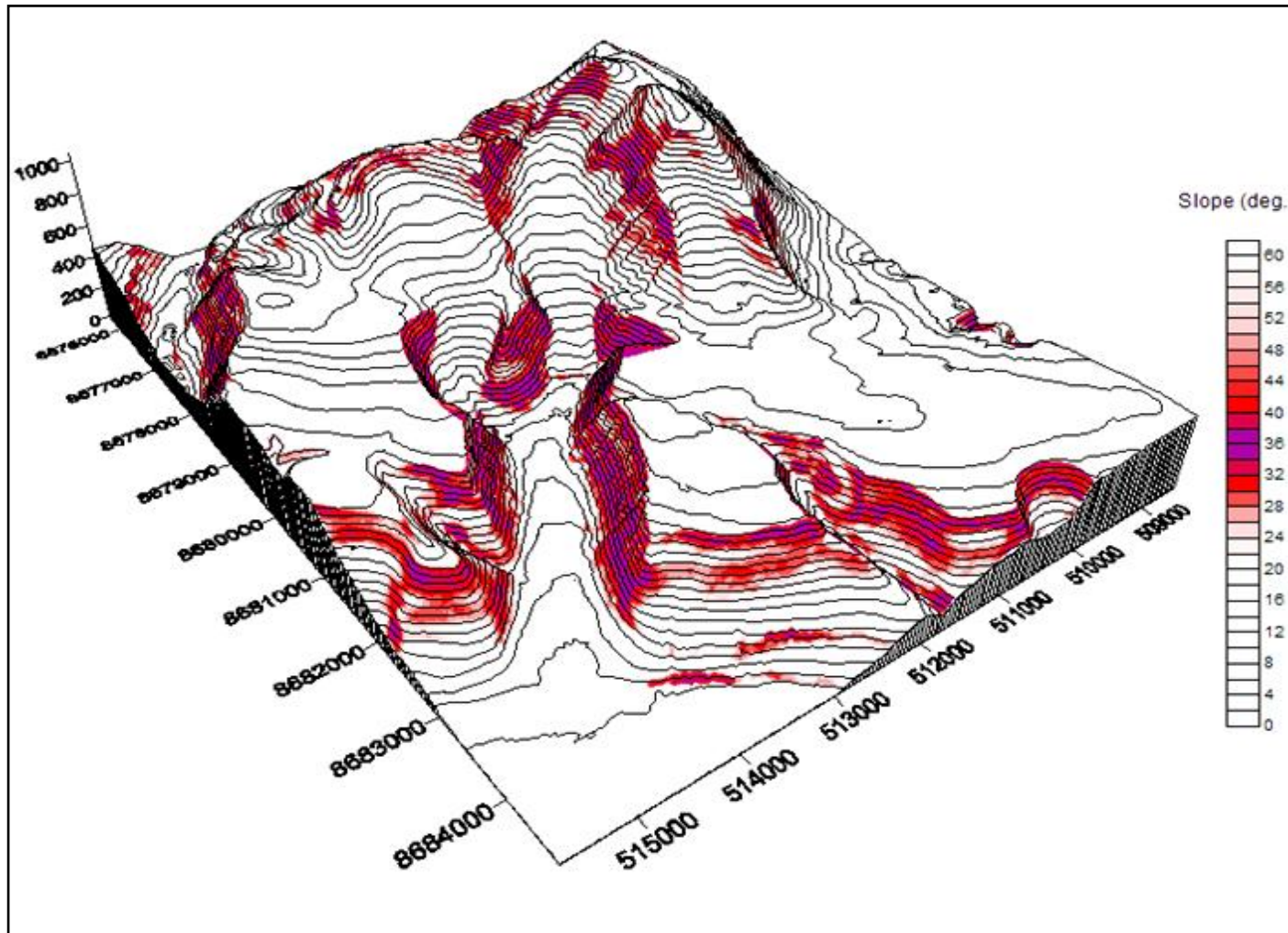
**Q.17**

# In which climatic region (A, B, C or D) would tropical rainforests be found?



**Q.18** The coloured areas in the 3D model represent places that:

- A. are at greatest risk of avalanches
- B. are at greatest risk of earthquakes
- C. receive the highest rainfall in winter
- D. receive more solar radiation in summer

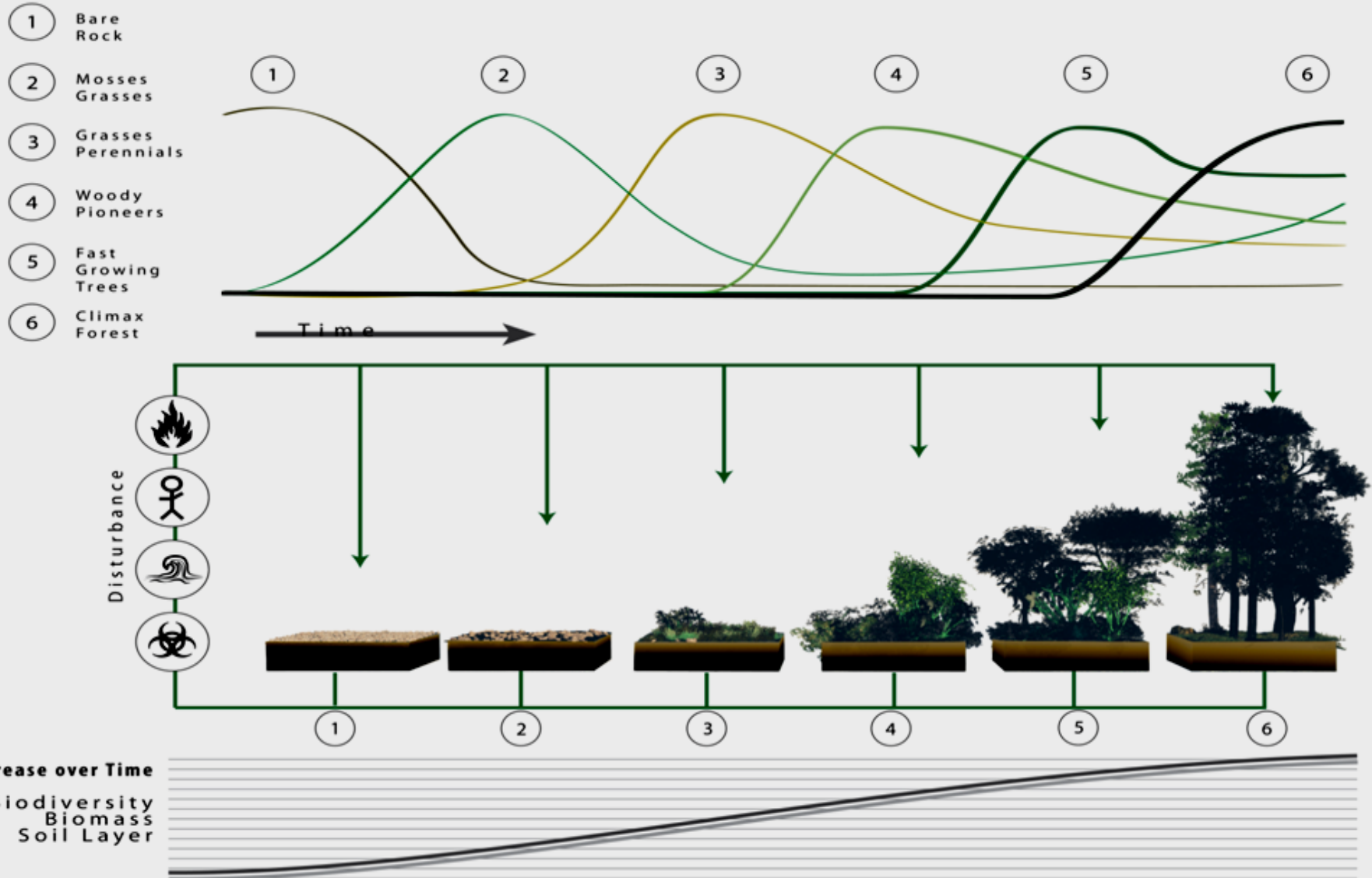




**Q.19**

**What process does the illustration represent?**

- A. forest degradation
- B. risk in forest ecosystems
- C. forest succession
- D. the geographical zonation of plants



According to the current global value chain, *Nutella*® would stop production without input from which of these countries:



- A. Colombia
- B. Germany
- C. Malaysia
- D. South Africa



**Q.21**

**This time-series of photos was taken in which country?**

- A. Chile
- B. Kiribati
- C. Norway
- D. South Africa



**Q.22**

Which of these statements is best supported by the evidence in the graphs?

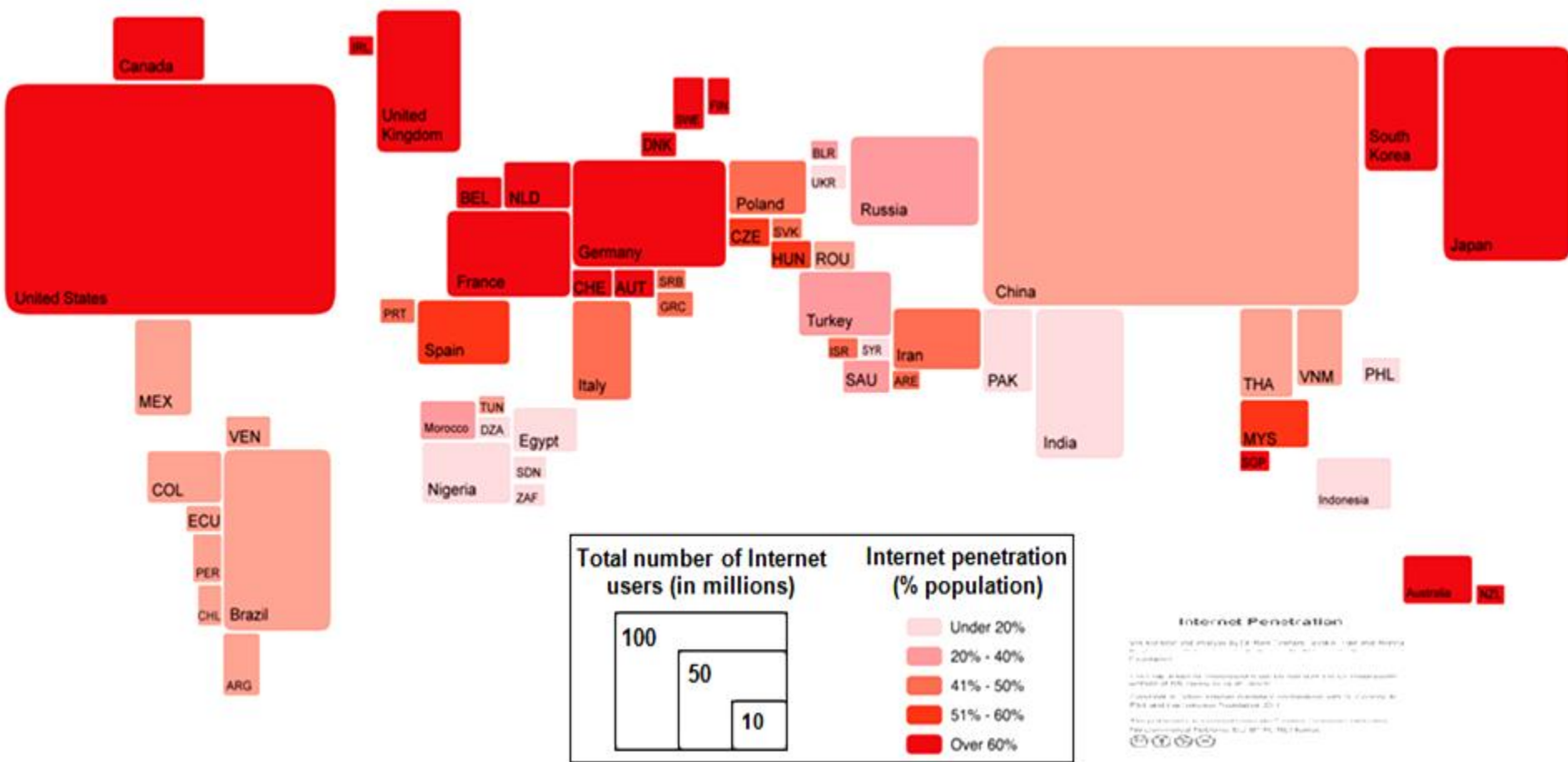


- A. *City 1* has a higher rate of emigration than *City 2*.
- B. *City 2* has a higher rate of emigration than *City 1*.
- C. These two cities have no emigration.
- D. Both cities have the same rate of emigration.

# Q.23

## Which of the following statements is correct?

- A. Chile and Vietnam have the same number of Internet users.
- B. The number of Internet users in Germany is larger than in Canada.
- C. Chinese Internet users are a greater proportion of their population than Spanish Internet users are of theirs.
- D. The number of Internet users in India is smaller than in Italy.





**Q.24**

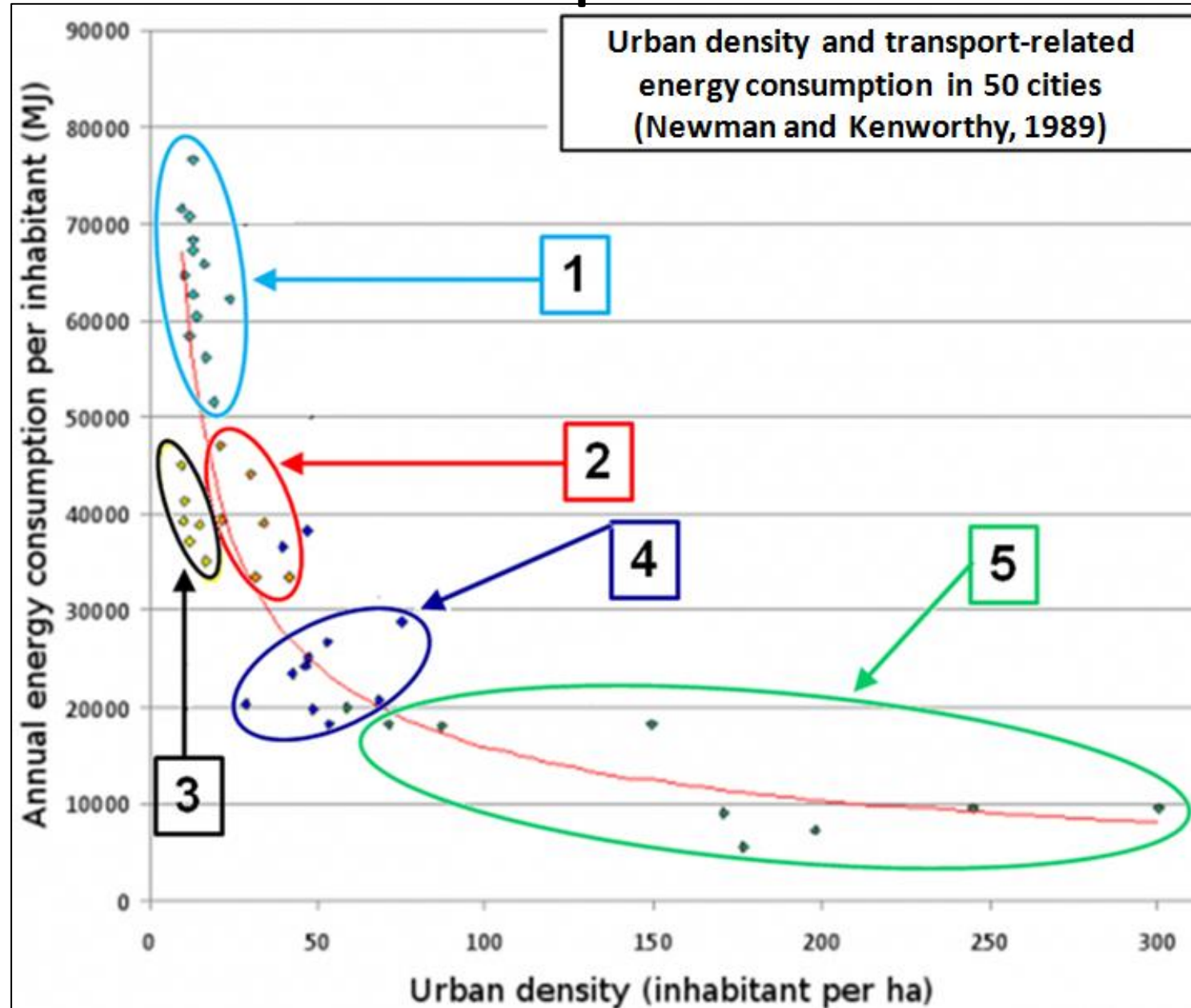
**In which watershed are these rivers, with their marked colour difference, located?**

A. Amazon River Basin  
C. Nile River Basin

B. Mississippi River Basin  
D. Yellow River Basin



In this classic model, the area labelled 5 corresponds to Asian cities. Area 4 represents the cities of which location?



- A. Australia
- B. Canada
- C. Europe
- D. U.S.A.



**Q.26**

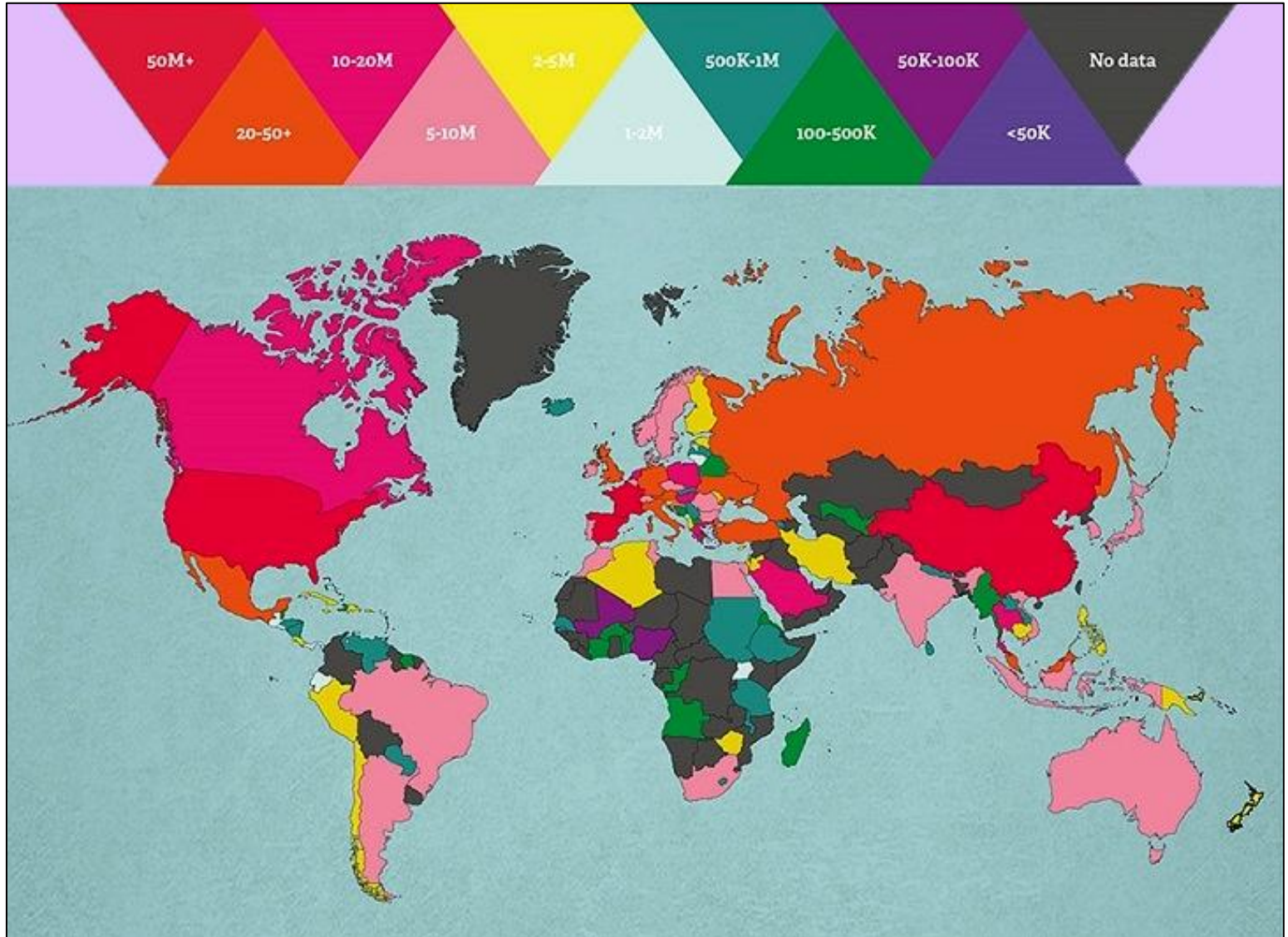
## What does this map illustrate?

A. annual precipitation

B. international visitors

C. kilometres of railway track

D. population density

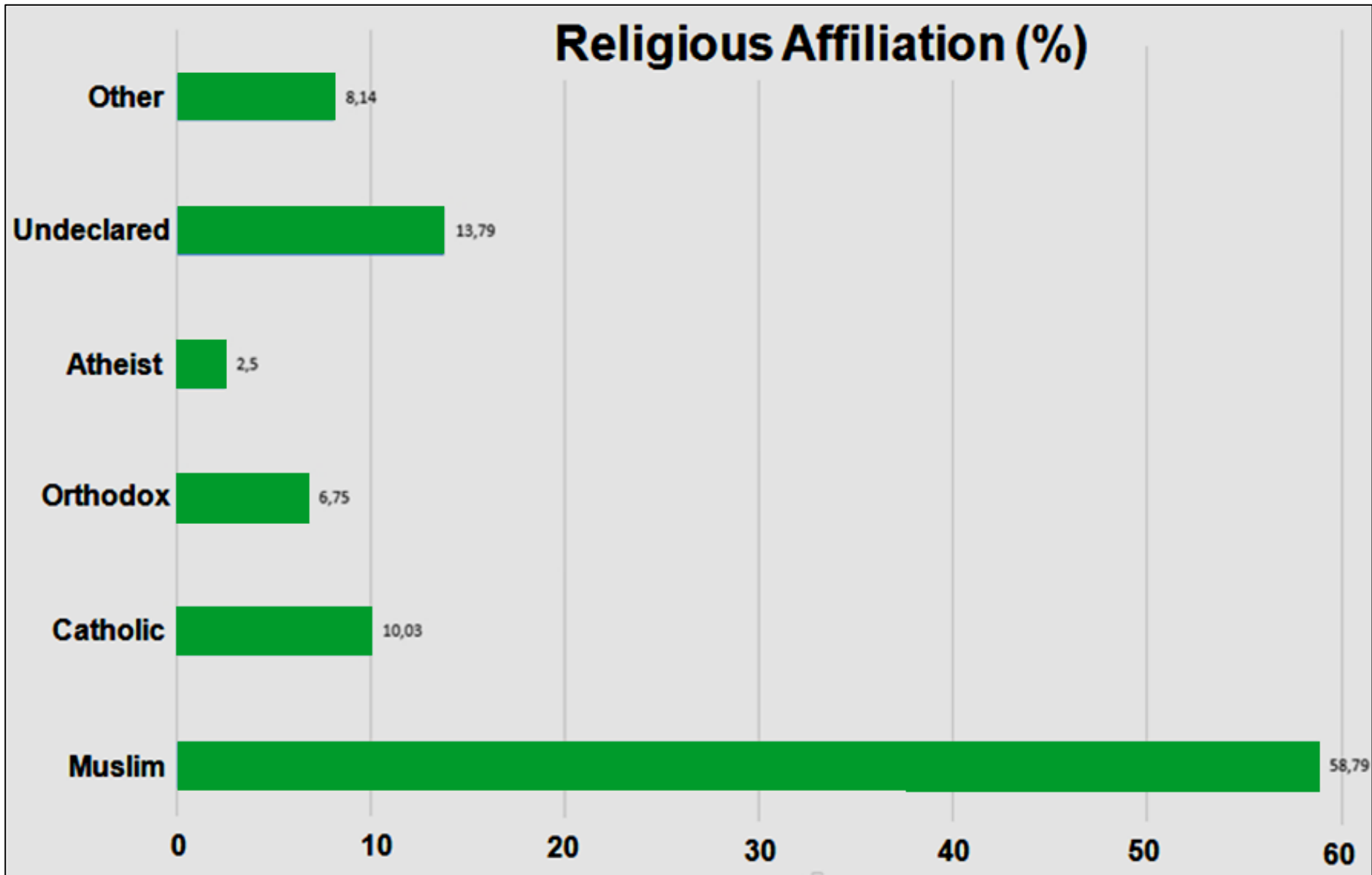




**Q.27**

**Which country does the graph correspond to?**

- A. Albania    B. Georgia    C. Greece    D. Moldova



**Q.28**

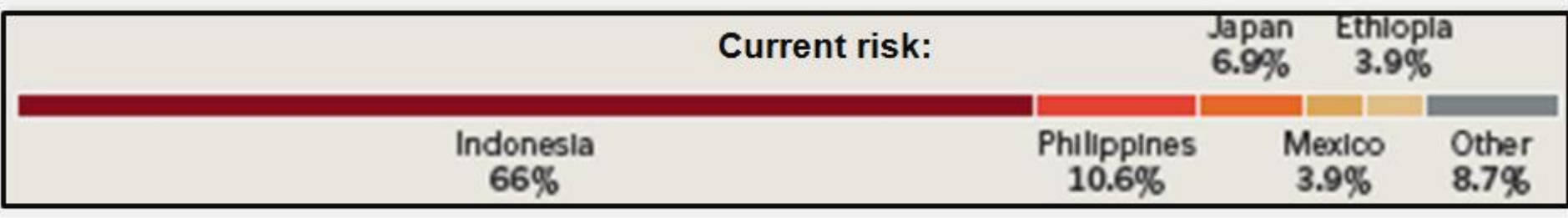
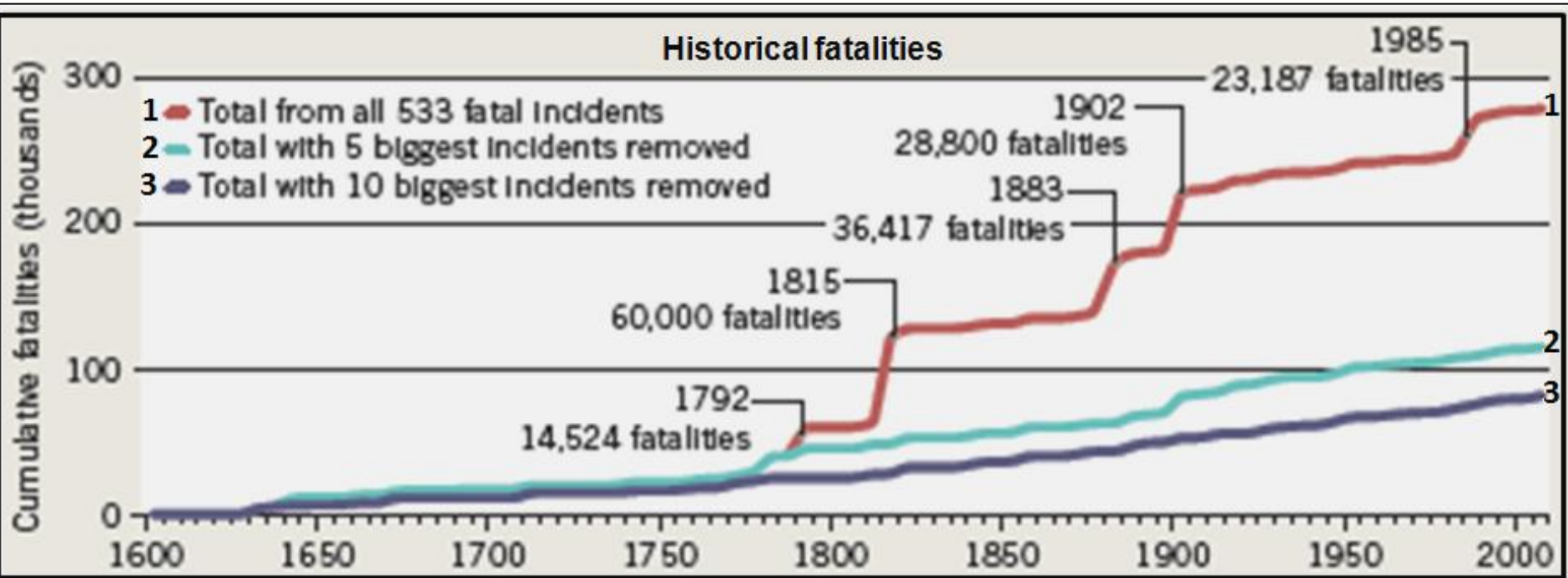
**What natural phenomena do these graphs refer to?**

A. forest fires

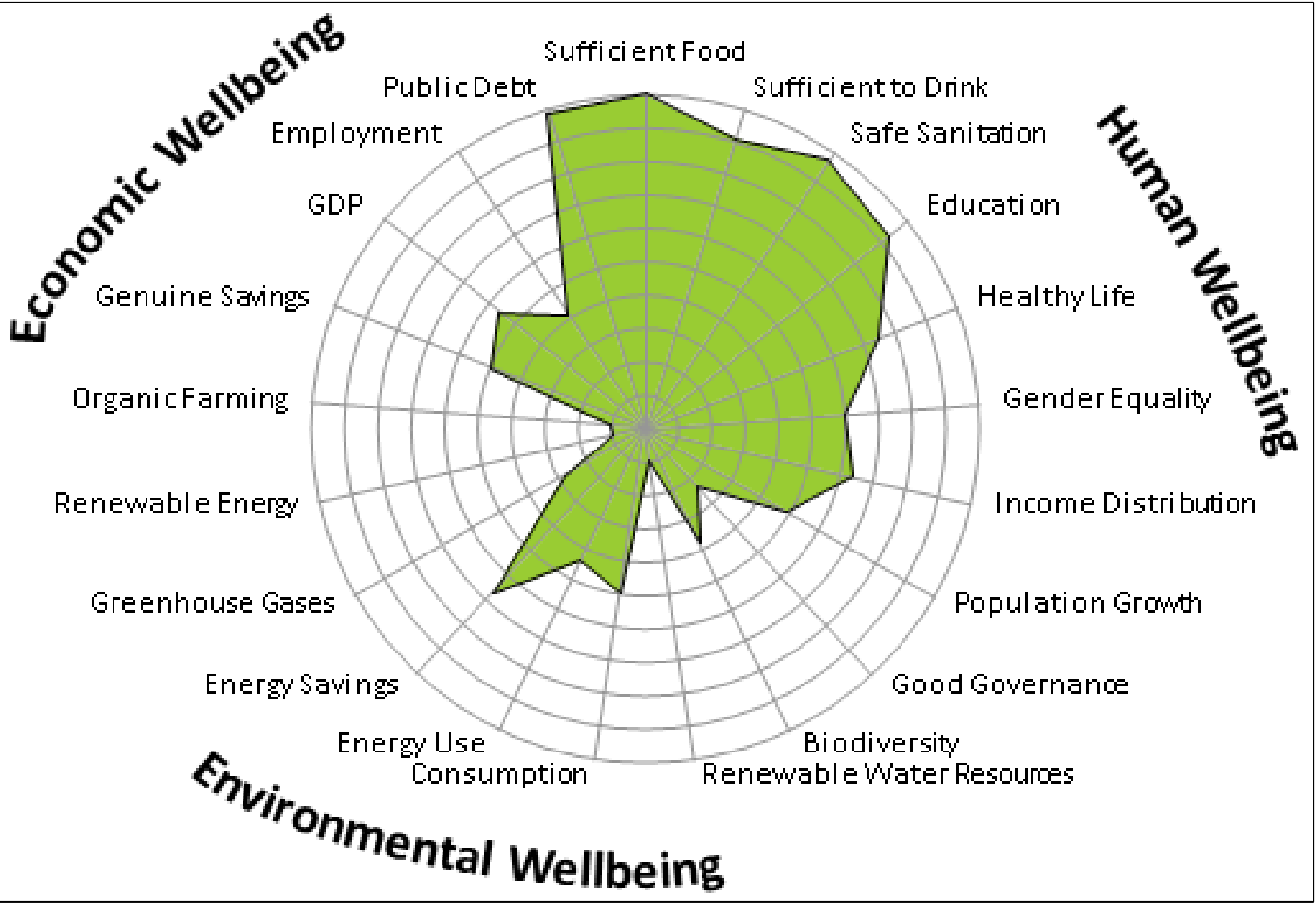
B. hydro-meteorological

C. tsunamis

D. volcanic eruptions



The Sustainable Society Index (SSI) shows at a glance the level of sustainability of a given region, based on 21 indicators. Which country does the SSI shown in the graph correspond to?



- A. Costa Rica
- B. Libya
- C. Norway
- D. Vietnam



**Q.30**

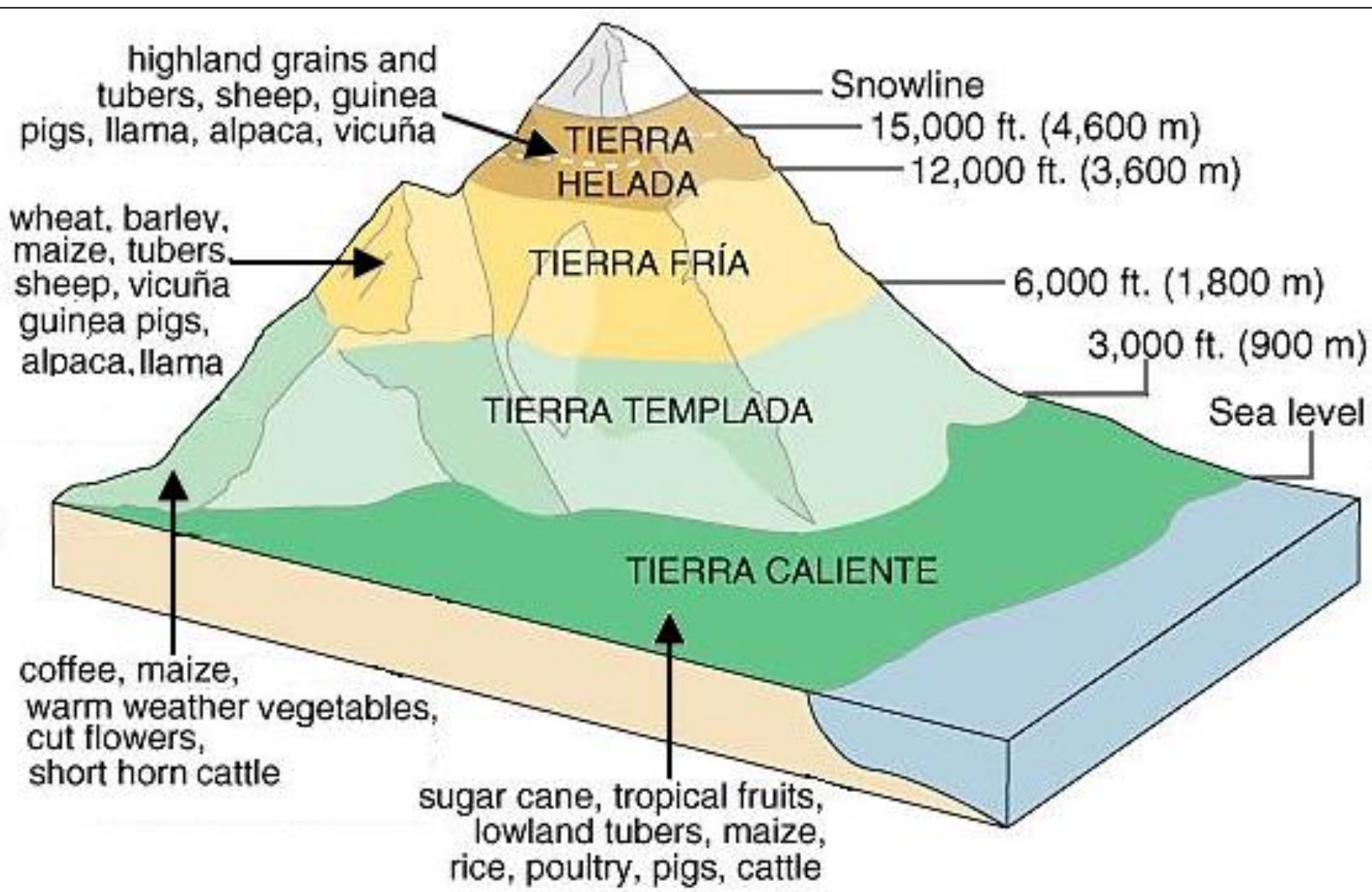
**In which country would you find this landscape?**

A. Panama

B. Peru

C. Spain

D. Uruguay





**Q.31**

**In which country were these photos taken?**

A. Egypt

B. Ethiopia

C. Kenya

D. Somalia



**Q.32**

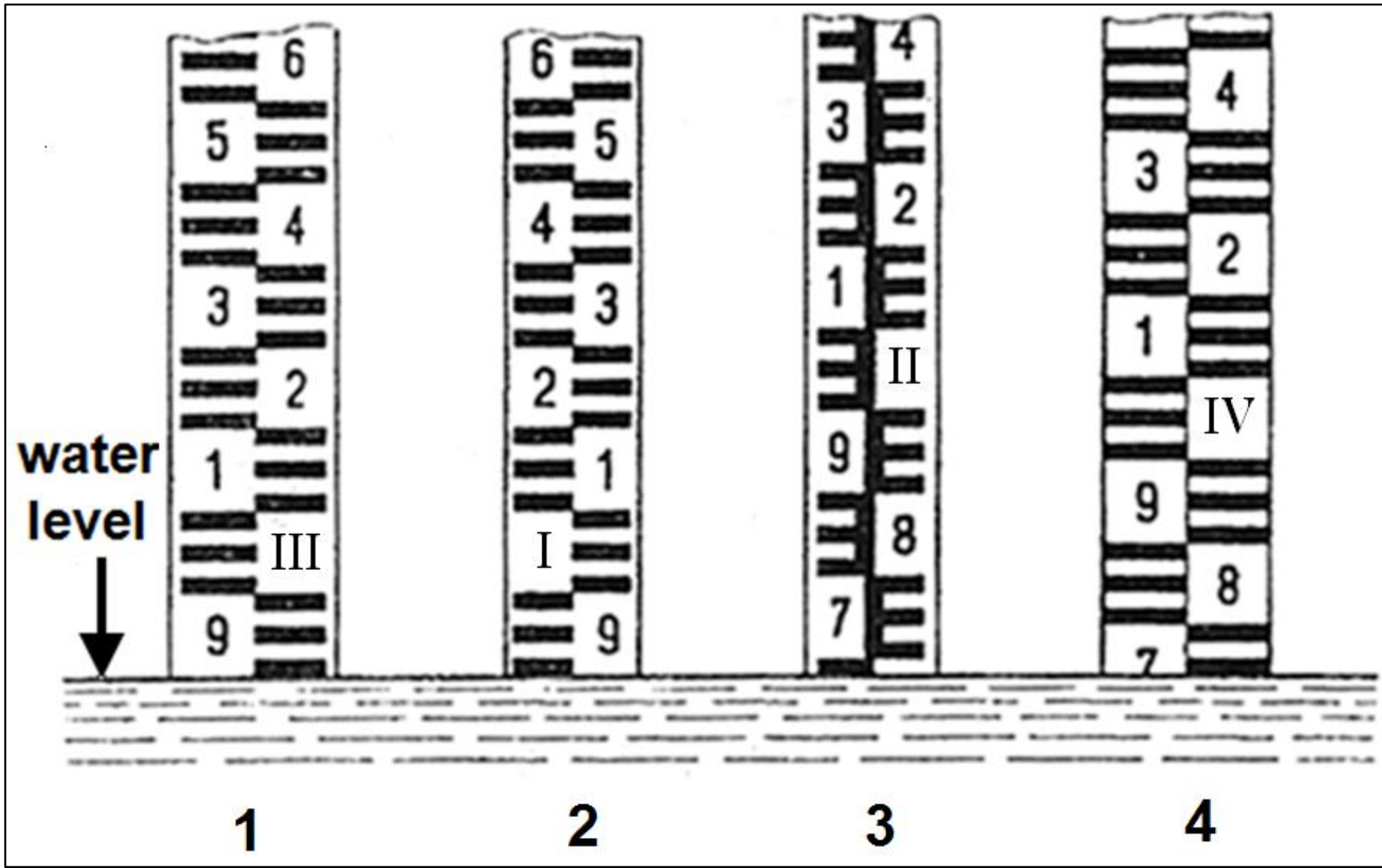
What water level reading is shown on gauge “3”?

A. 72 cm

B. 168 cm

C. 272 cm

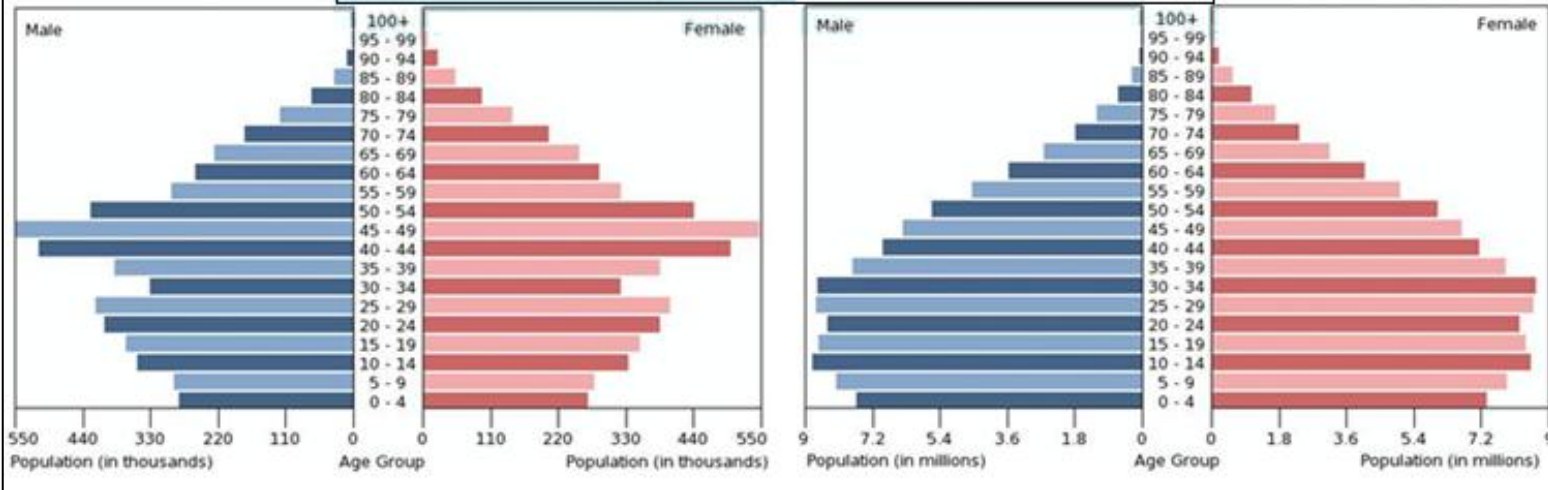
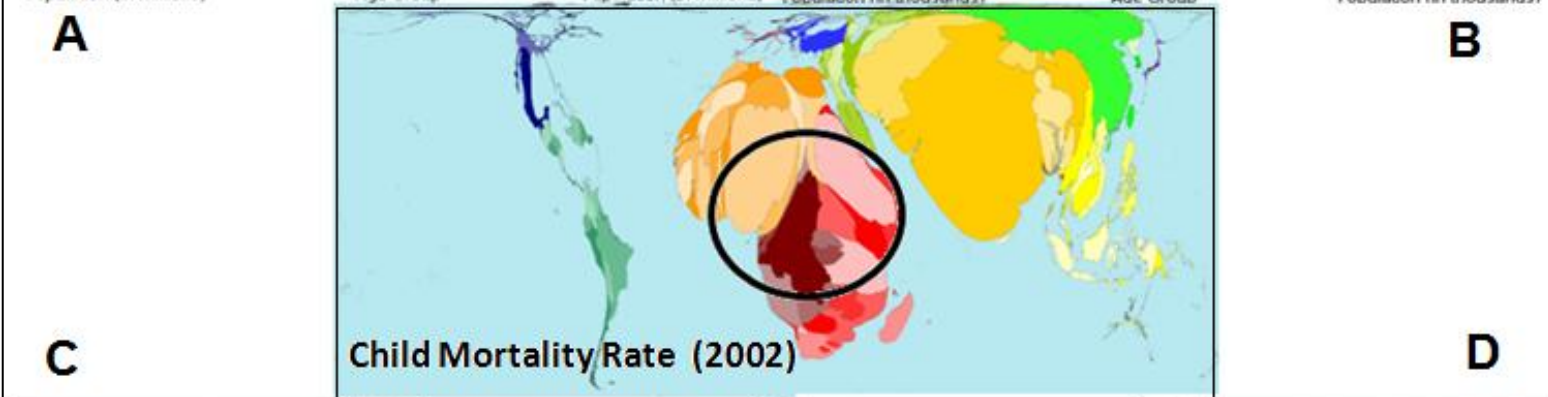
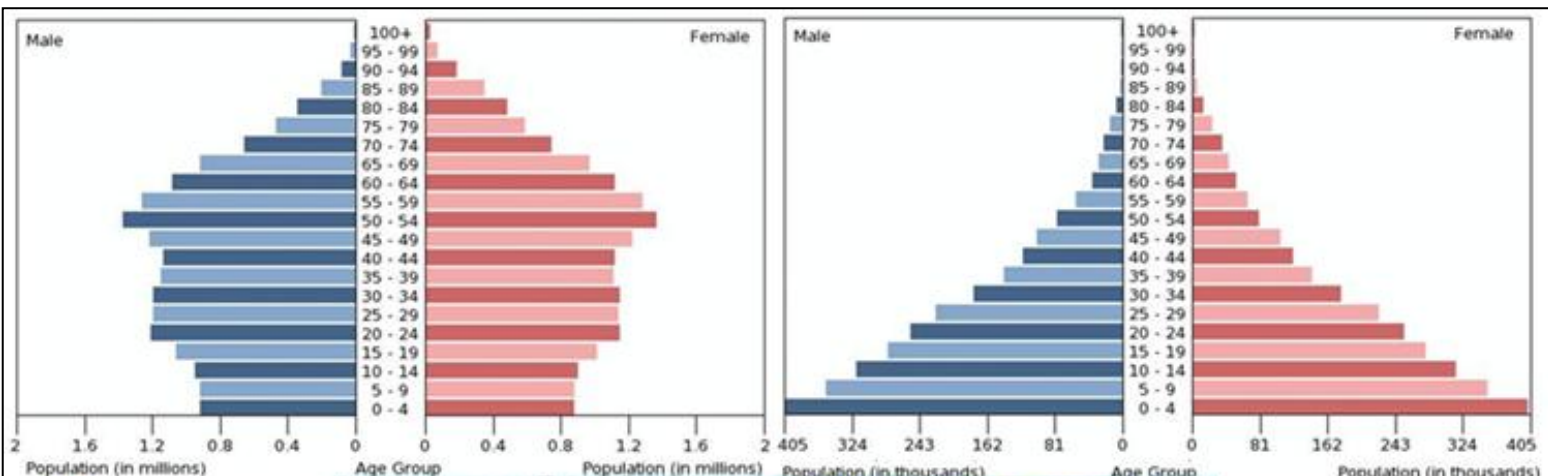
D. 368 cm





**Q.33**

Which population pyramid (A, B, C or D) best represents the region circled on the map?



**Q.34**

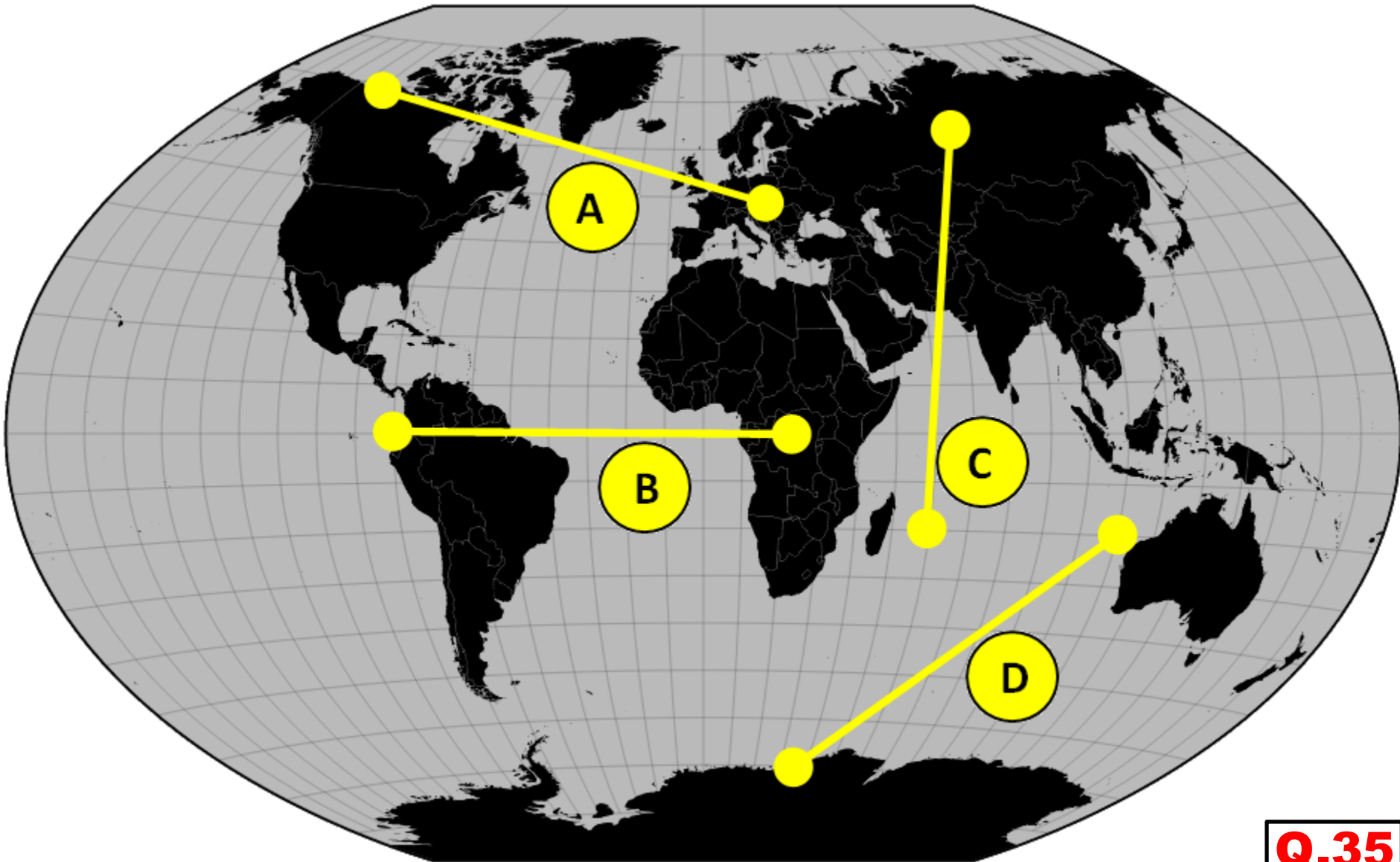
**Which type of lava is this most likely to be?**



- A. andesitic
- B. basaltic
- C. felsic
- D. rhyolitic

A large empty rectangular box for writing the answer.

Which of these pairs of points (identified as pairs *A*, *B*, *C* and *D* by the lines connecting them) is closest together in the real world?





**Q.36**

**What is the purpose of the rows of trees in the photo?**

A. disease control

B. erosion control

C. pest control

D. weed control

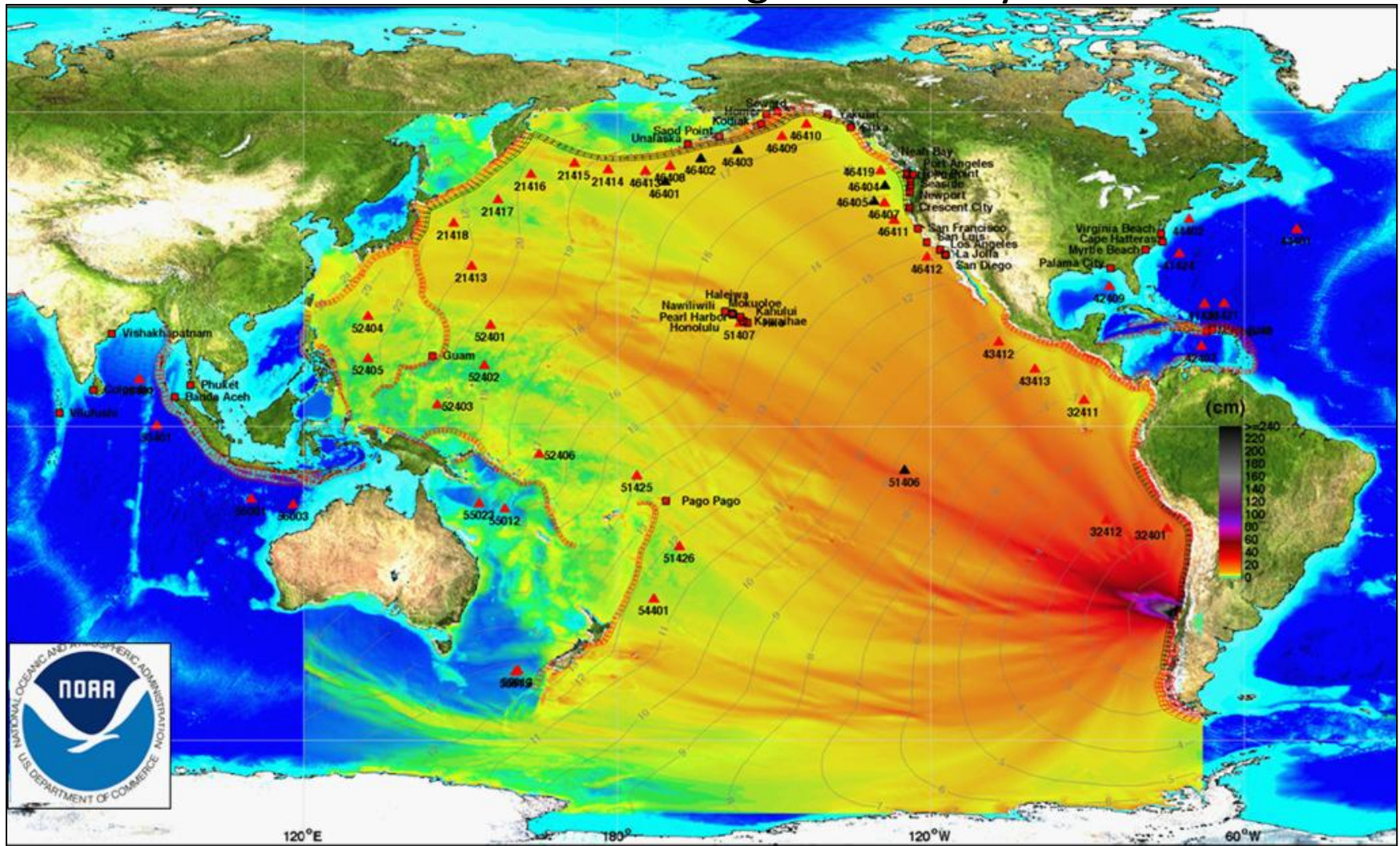




**Q.37**

**The image shows:**

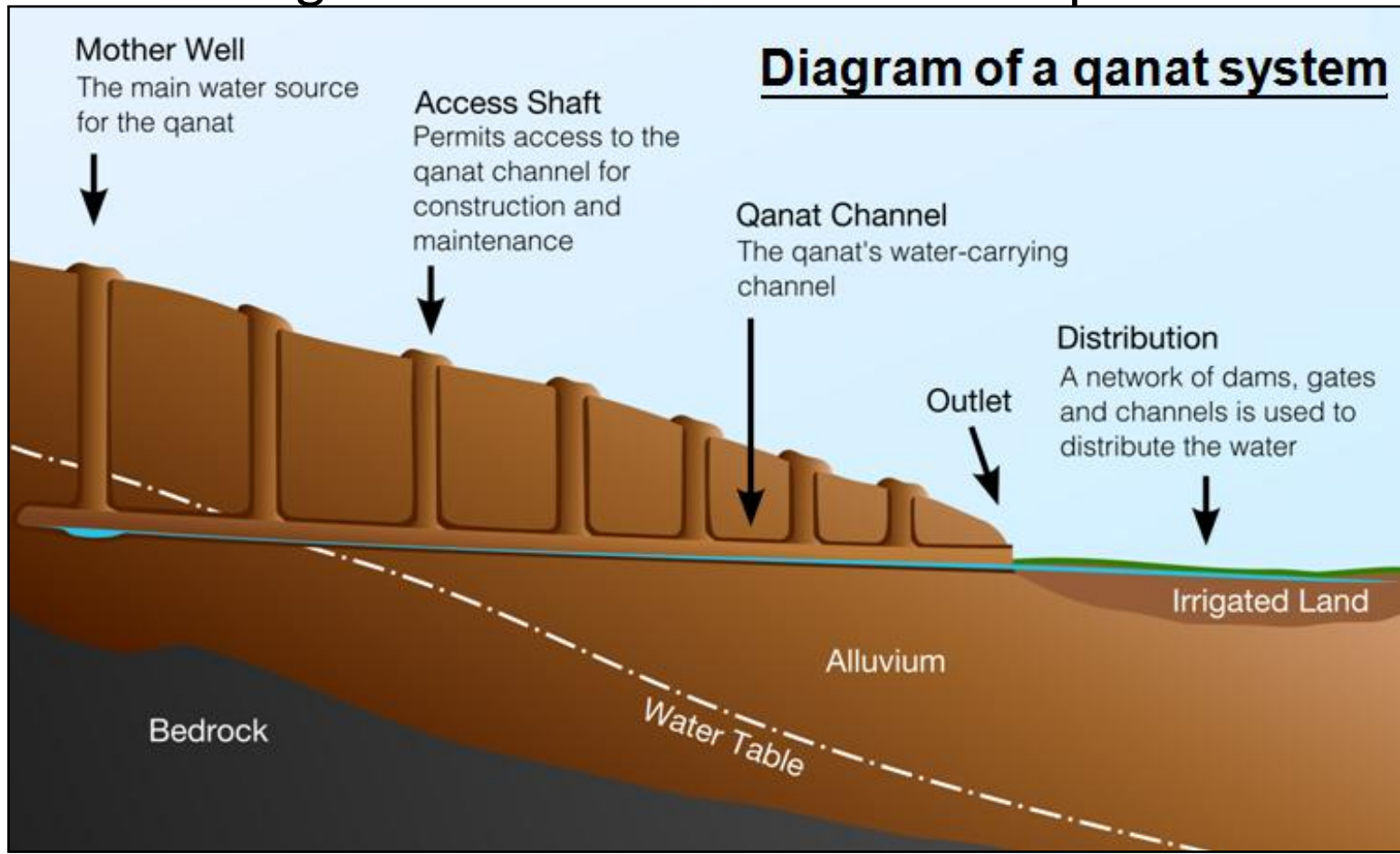
- A. dispersion in the atmosphere of volcanic ash
- B. flow of electricity due to a lightning discharge
- C. area affected by a tropical cyclone
- D. characteristics of waves generated by a tsunami



**Q.38**

**Which statement about the qanat system, traditionally used in areas of West Asia, is incorrect?**

- A. It can only draw sustainable amounts from the aquifer.
- B. It is energy efficient, using gravity to transport water.
- C. It uses readily available surface water.
- D. Its underground channels minimise evaporation.





**Q.39**

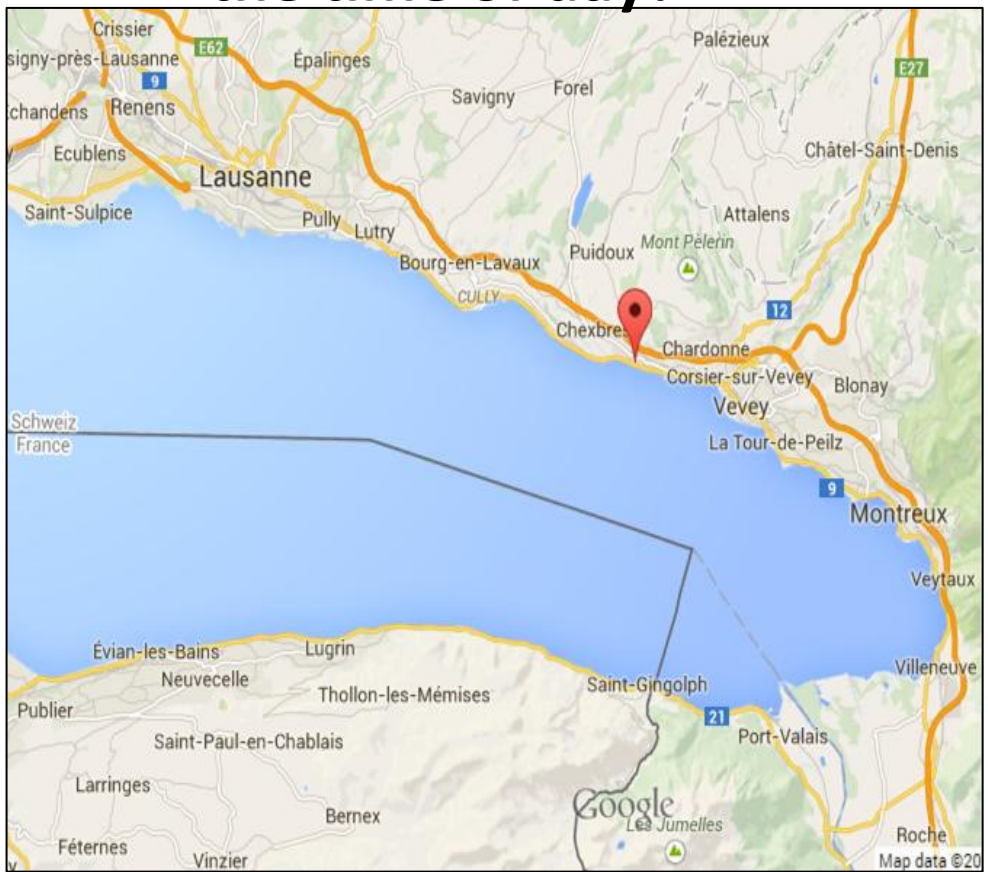
This world map by Arabian cartographer Muhammad al-Idrisi was the most accurate cartographic depiction of the world when it was made in 1154. Which letter (A, B, C or D) marks the Mediterranean Sea?





**Q.40**

The photo was taken at the point marked on Lac Lemman (Lake Geneva) in September 2014. In which direction was the camera pointing and what was the time of day?



- A. towards Lausanne, early morning
- B. towards Lausanne, midday
- C. towards Montreux, early morning
- D. towards Montreux, midday

# THE END



You have reached the last slide of the Multimedia Test.

Click on the arrow ↑ or ← to go back to the previous page(s)  
if you want to check your answers

OR

wait silently until the time is over.