

Multimedia Test



Instructions

This test has 40 questions.

Read the question on each *PowerPoint* slide carefully.

We will also read the questions to you.

Depending on the complexity of the question, we will give you 30 to 75 seconds for a question.

Each question is multiple-choice. Choose *A*, *B*, *C* or *D*.

Only one answer is correct.

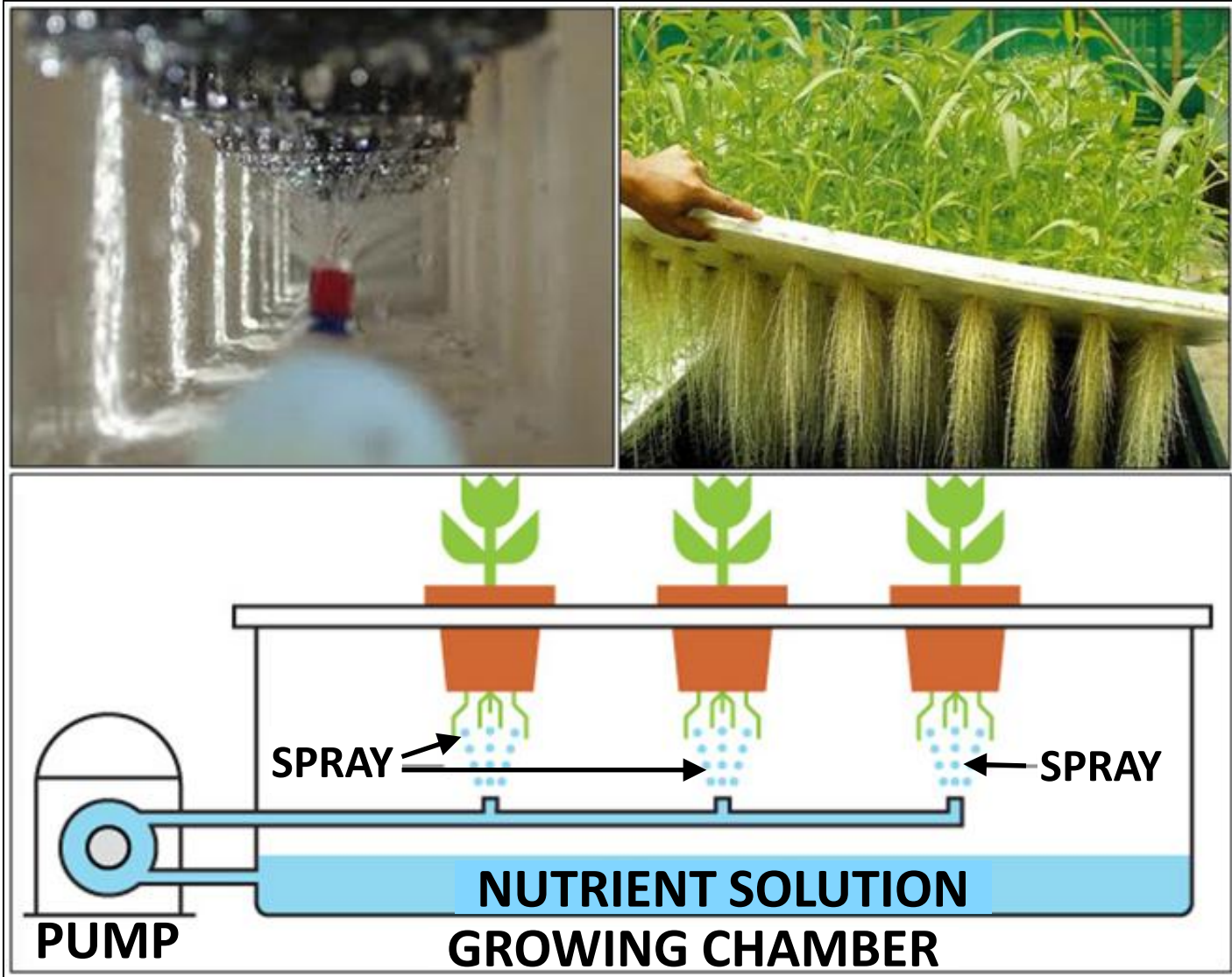
Mark your choice on the *Answer Sheet* with a circle around the letter that you want to select. If you make a mistake, delete the selected letter and make a new choice.

We will read all questions to you again at the end of the test.

Q.1

The images show a method of intensifying crop production. What is this method known as?

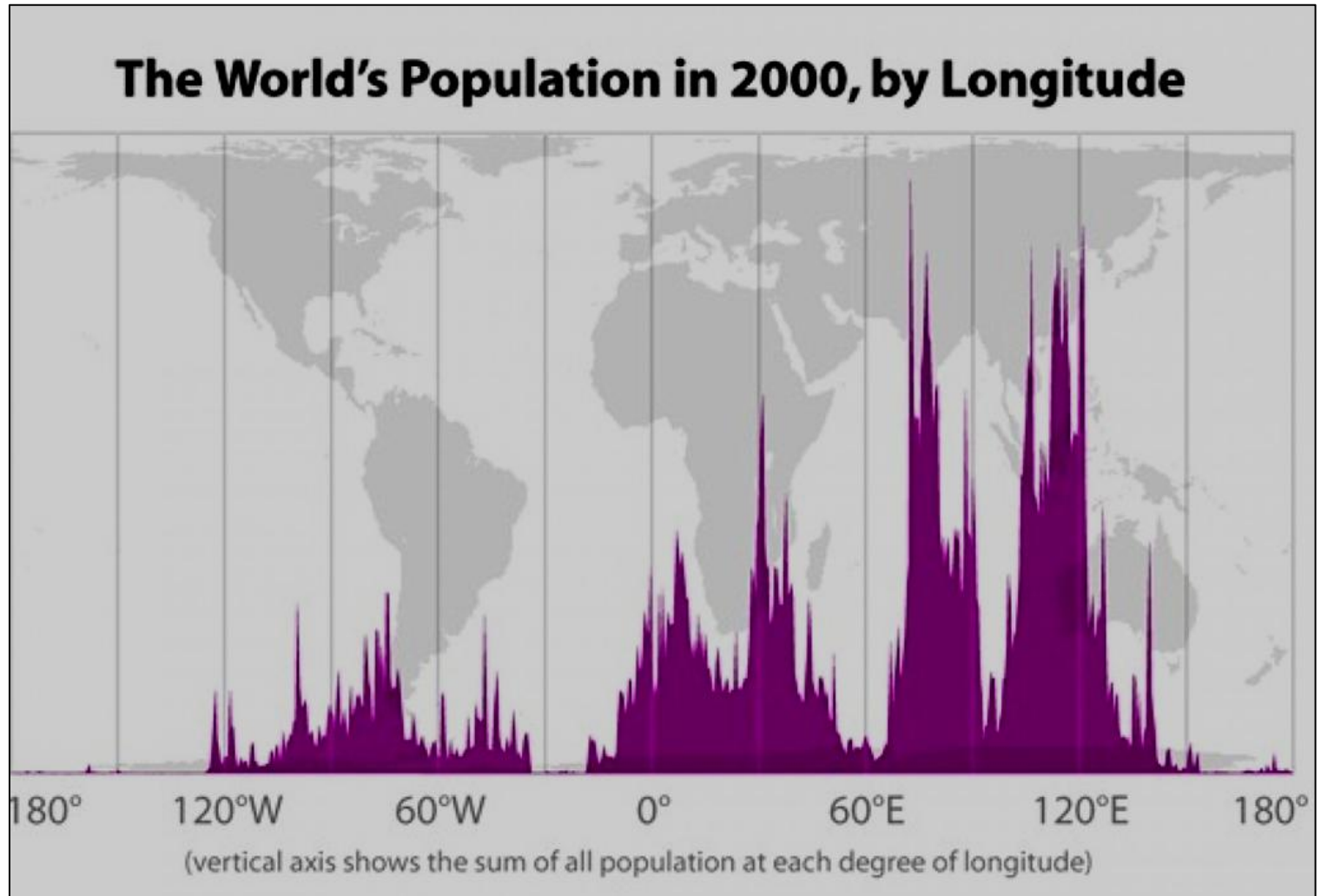
- A. aeroponics B. geponics C. hydroponics D. in vitro



Q.2

Find the degree of longitude that has the highest population. Which of these cities contributes most to the population in this longitude?

- A. Islamabad B. Kabul C. Kolkata D. Mumbai



Q.3

The image shows a settlement built according to an urban design model known as:

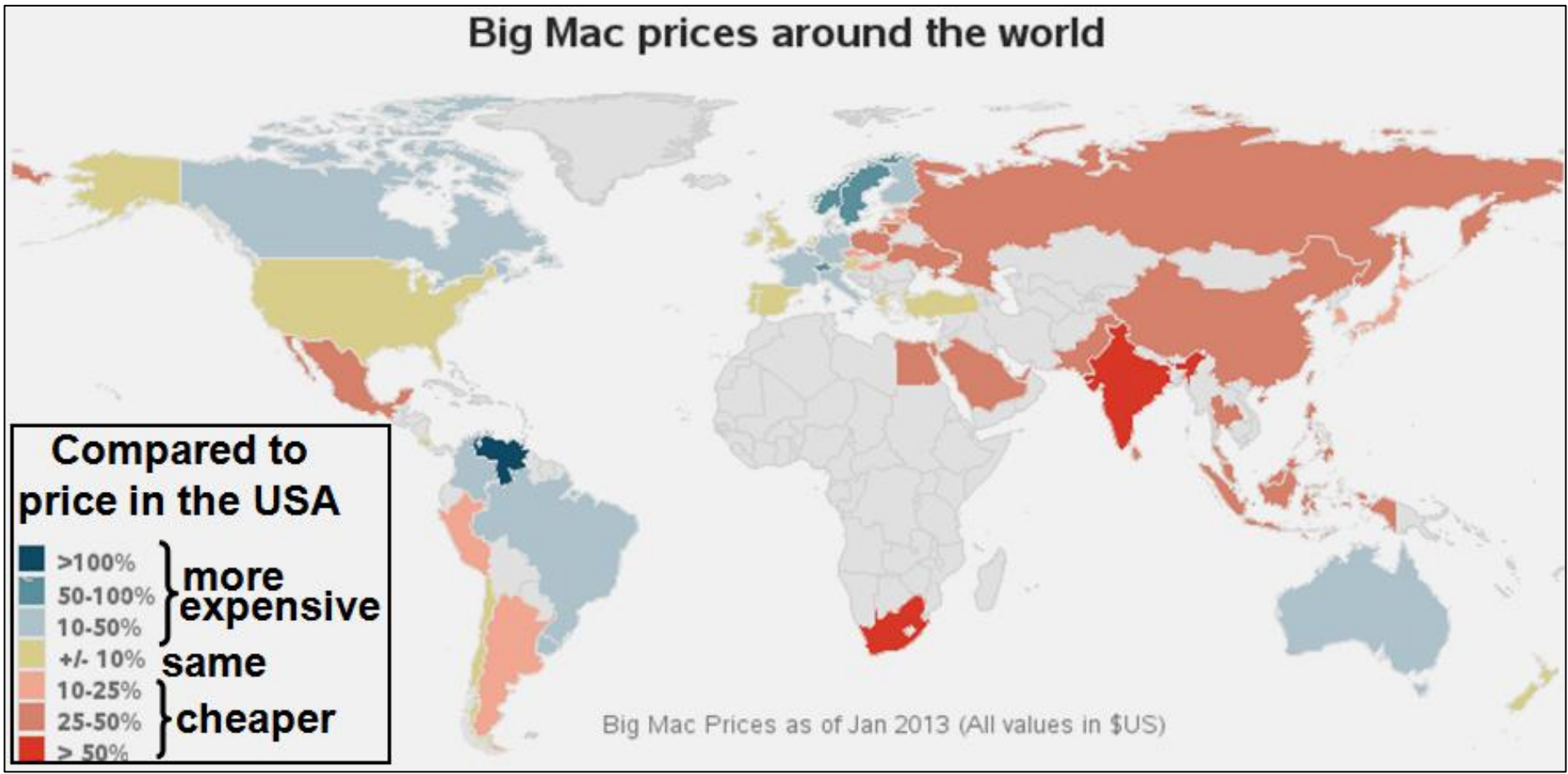
- A. car-free city B. creative city C. eco-city D. garden city



Q.4

What does 'the Big Mac Index' represent?

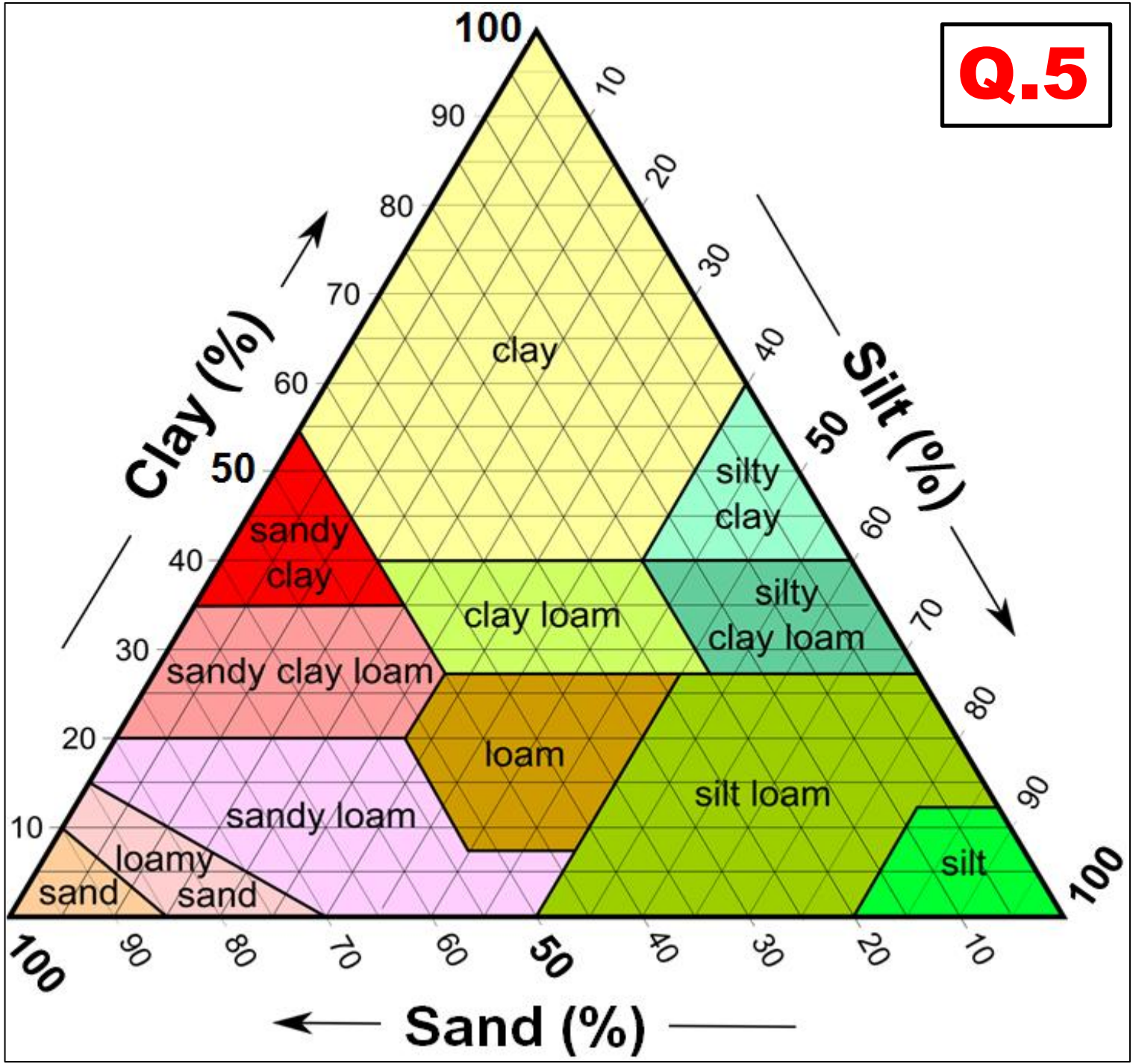
- A. Gross Domestic Product (GDP)
- B. Human Development Index (HDI)
- C. Human Poverty Index (HPI)
- D. Purchasing Power Parity (PPP)



Q.5

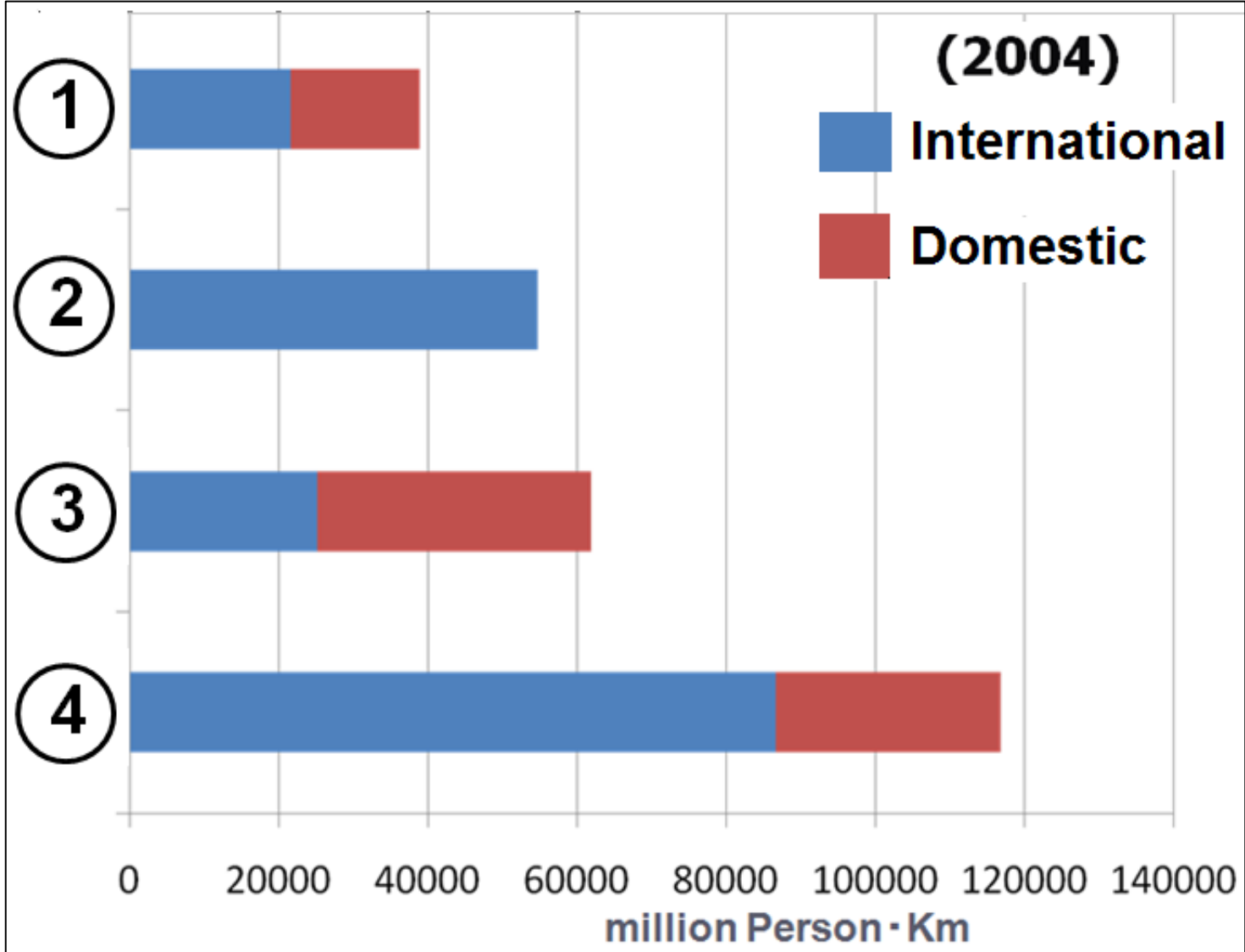
Which soil type contains 20% clay, 40% silt and 40% sand?

- A. clay loam
- B. loam
- C. sandy loam
- D. silt loam



The graph shows airline traffic in the 4 countries named in the answer options. Which country does BAR ③ correspond to?

- A. India
- B. Russia
- C. United Arab Emirates
- D. U.S.A.



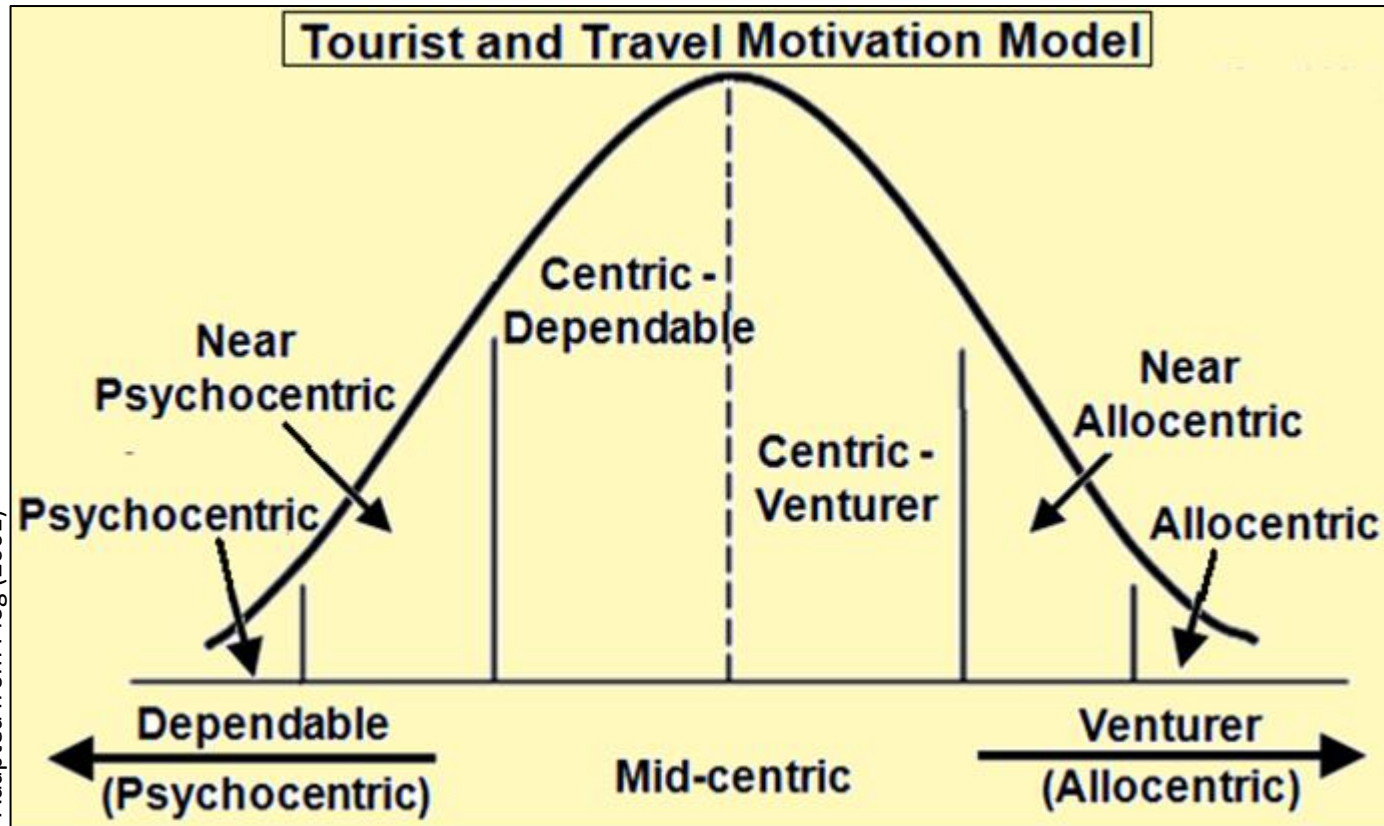
Q.6

Q.7

Using the diagram, identify which type the tourist in the photo would be classified as:



- A. psychocentric
- B. near psychocentric
- C. mid-centric
- D. near allocentric



Q.8

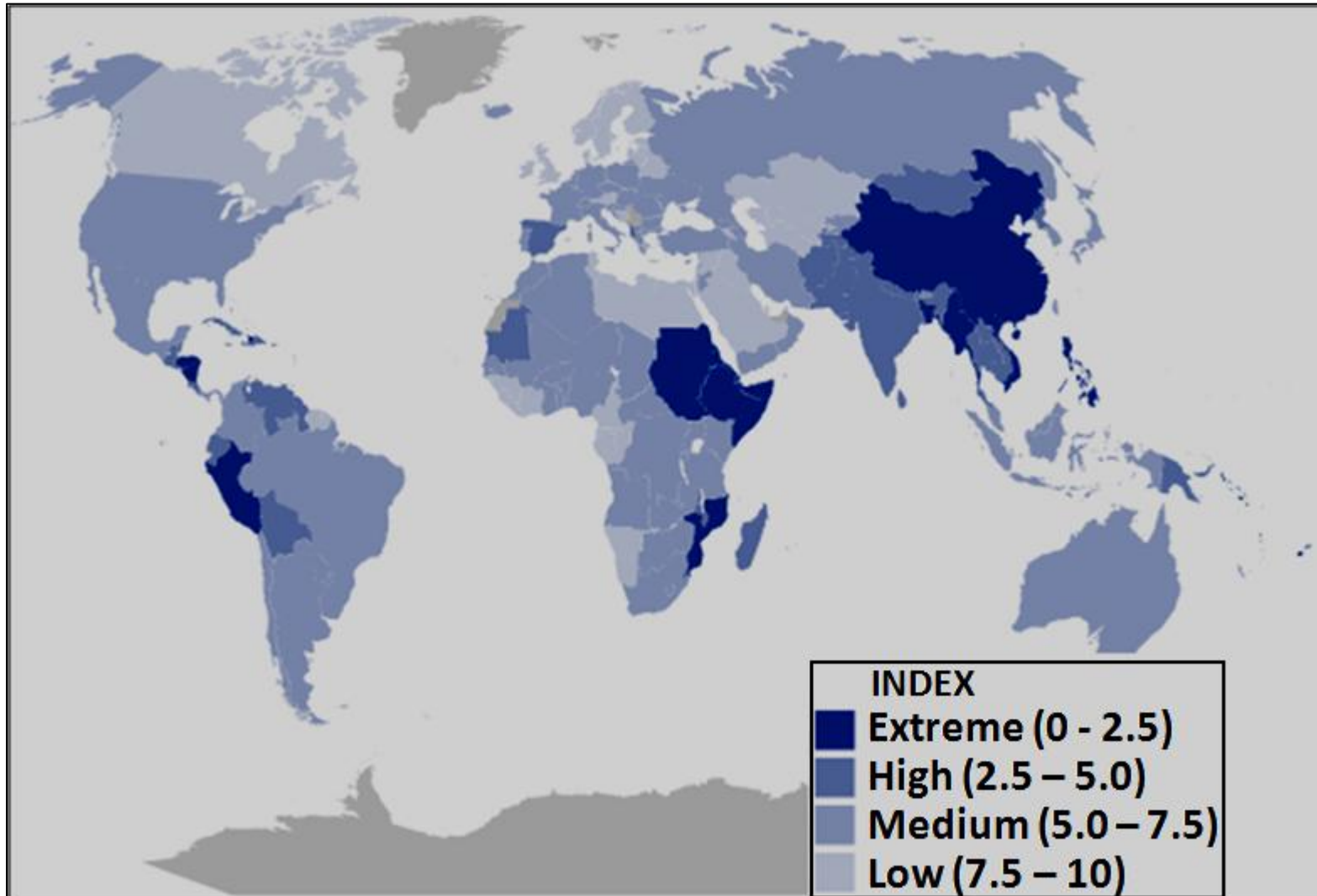
The map explores the risk to human health from disasters related to what type of hazards?

A. dust storms

B. hydro-meteorological

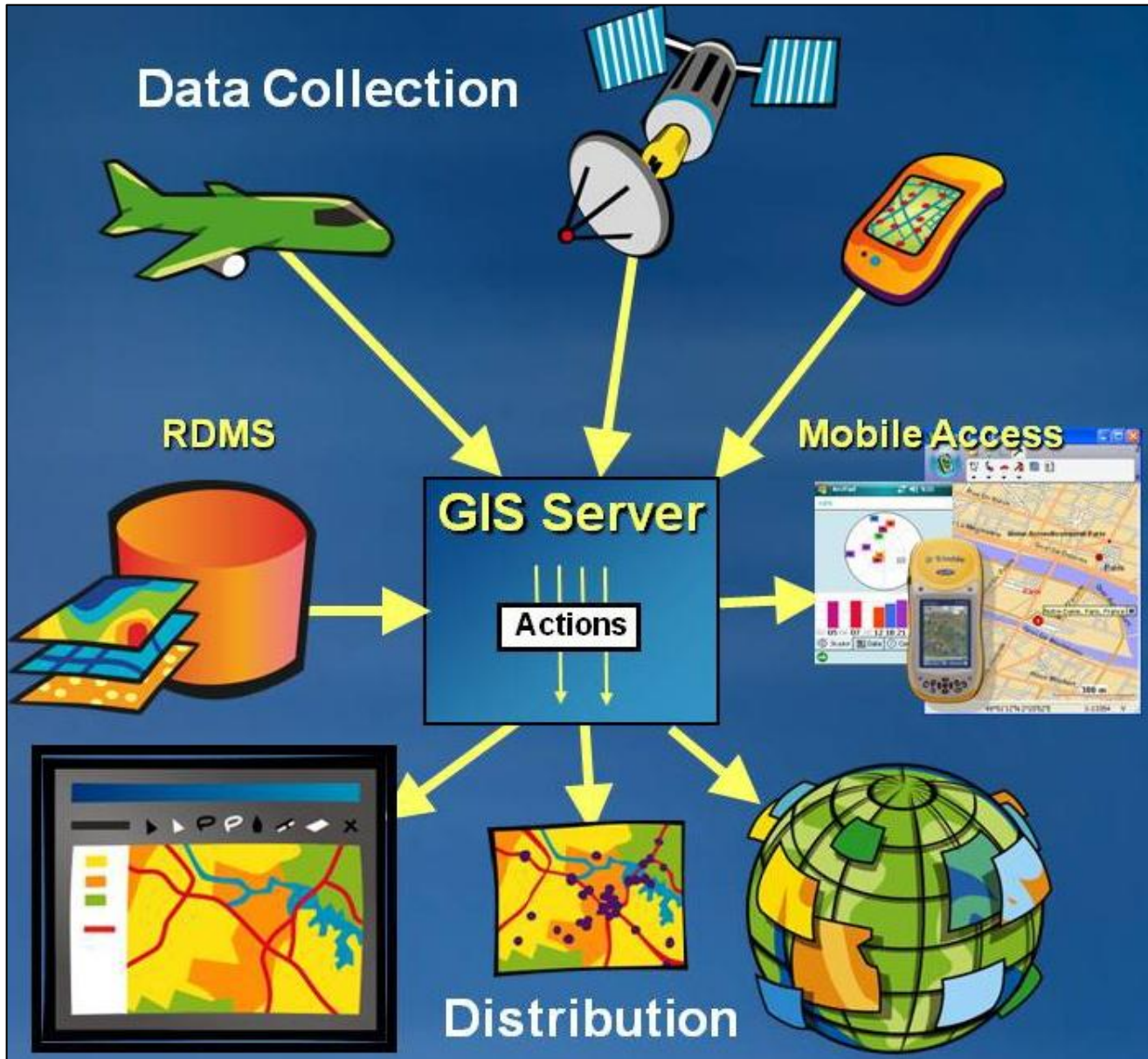
C. industrial

D. wildfires



Q.9

The cartoon shows the functions of a GIS.
Which of the following components is missing?



- A. data input
- B. data compression
- C. data manipulation
- D. data output

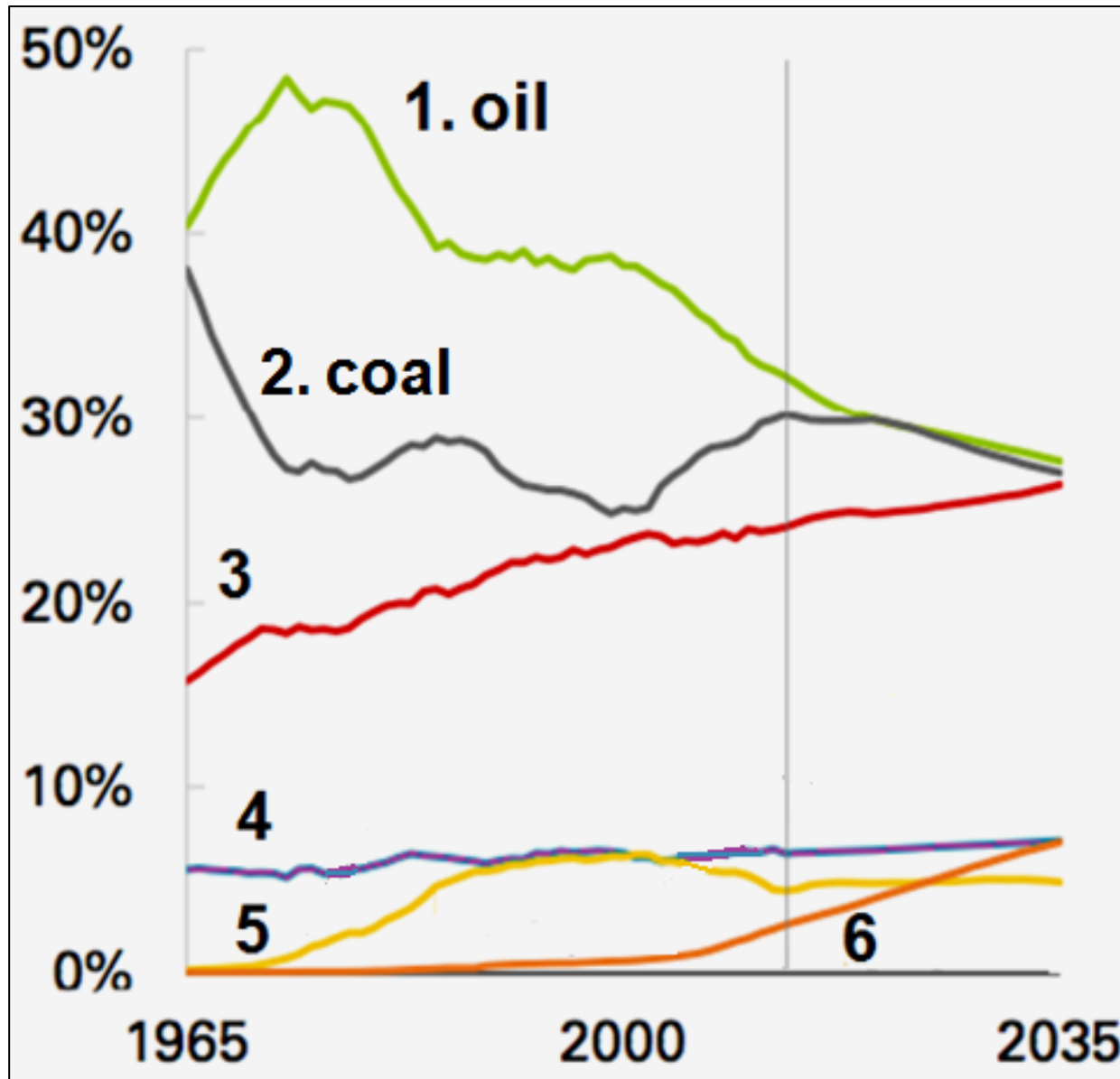
Q.10

The changes shown in the photo on the right are primarily caused by:



- A. increases in tourist numbers
- B. low light due to cloud cover
- C. overfishing
- D. sea temperature increases

The graph shows changes in the share of primary energy sources in the world. What source does LINE 4 represent?



A. gas

B. hydropower

C. nuclear

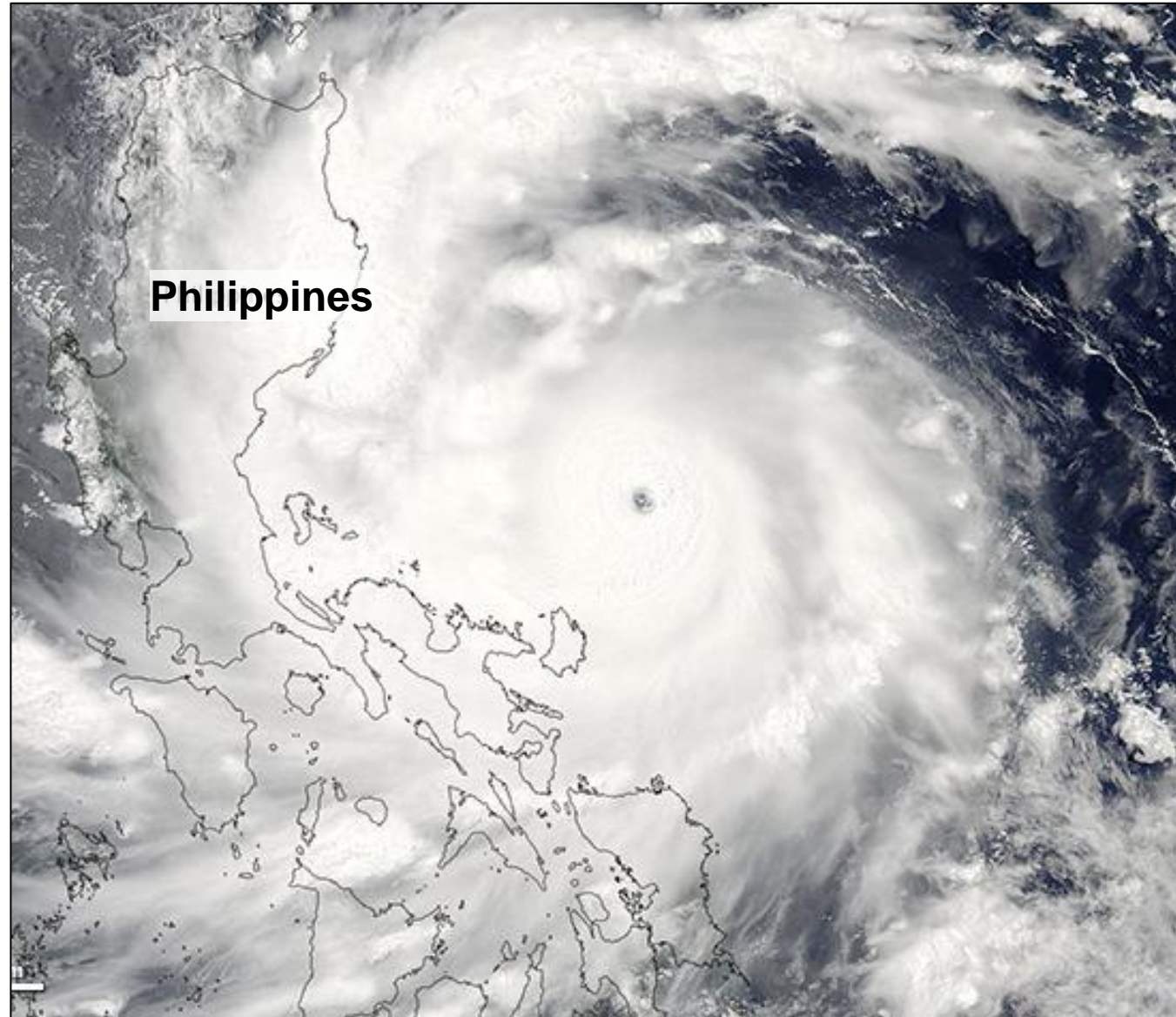
D. other
renewables

Q.11

Q.12

Which answer accurately describes the movement of the weather phenomenon in the image?

- A. anti-clockwise and generally eastward
- B. anti-clockwise and generally westward
- C. clockwise and generally eastward
- D. clockwise and generally westward



Q.13

This picture represents a:

- A. desalination plant B. fish farm
C. power plant D. salt production plant





What religion does the Ethiopian man in the picture practise?

- A. Bahai Faith
- B. Christian-Orthodox
- C. Jainism
- D. Zoroastrianism

Q.14

The volcanic feature indicated by the arrow is a _____ and results from the eruption of _____ lava which has _____ viscosity.

A. lava dome, acid, high

B. lava dome, acid, low

C. scoria cone, basic, high

D. scoria cone, basic, low



Q.15

Q.16

Which of the following megacities will show the greatest percentage increase in its growth between 2011 and 2025?

A. Beijing

B. Dhaka

C. Mexico City

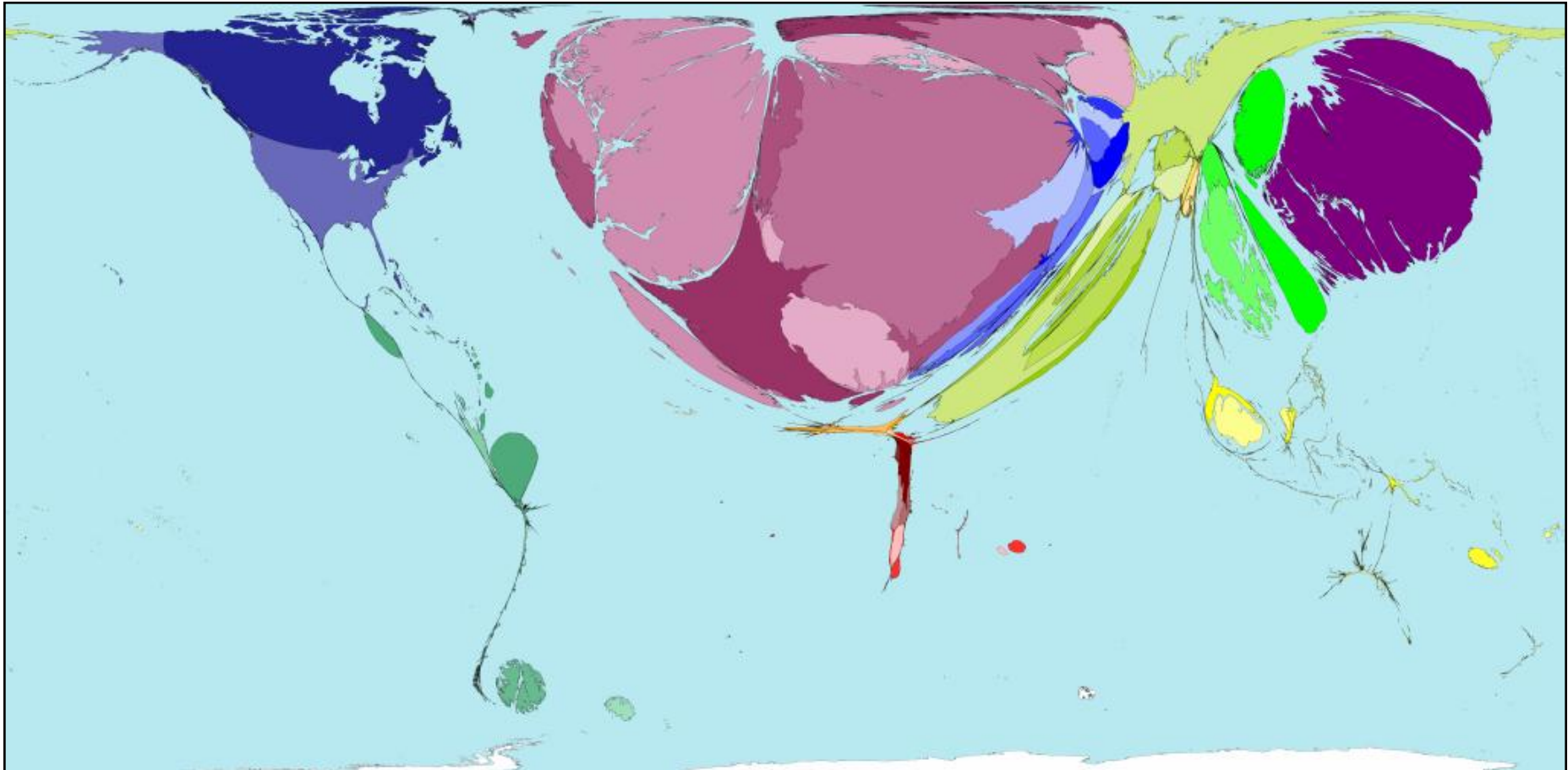
D. Mumbai

	Population (in millions)	
	2011	2025
Beijing	16	23
Dhaka	15	23
Mexico City	20	25
Mumbai	20	27

Q.17

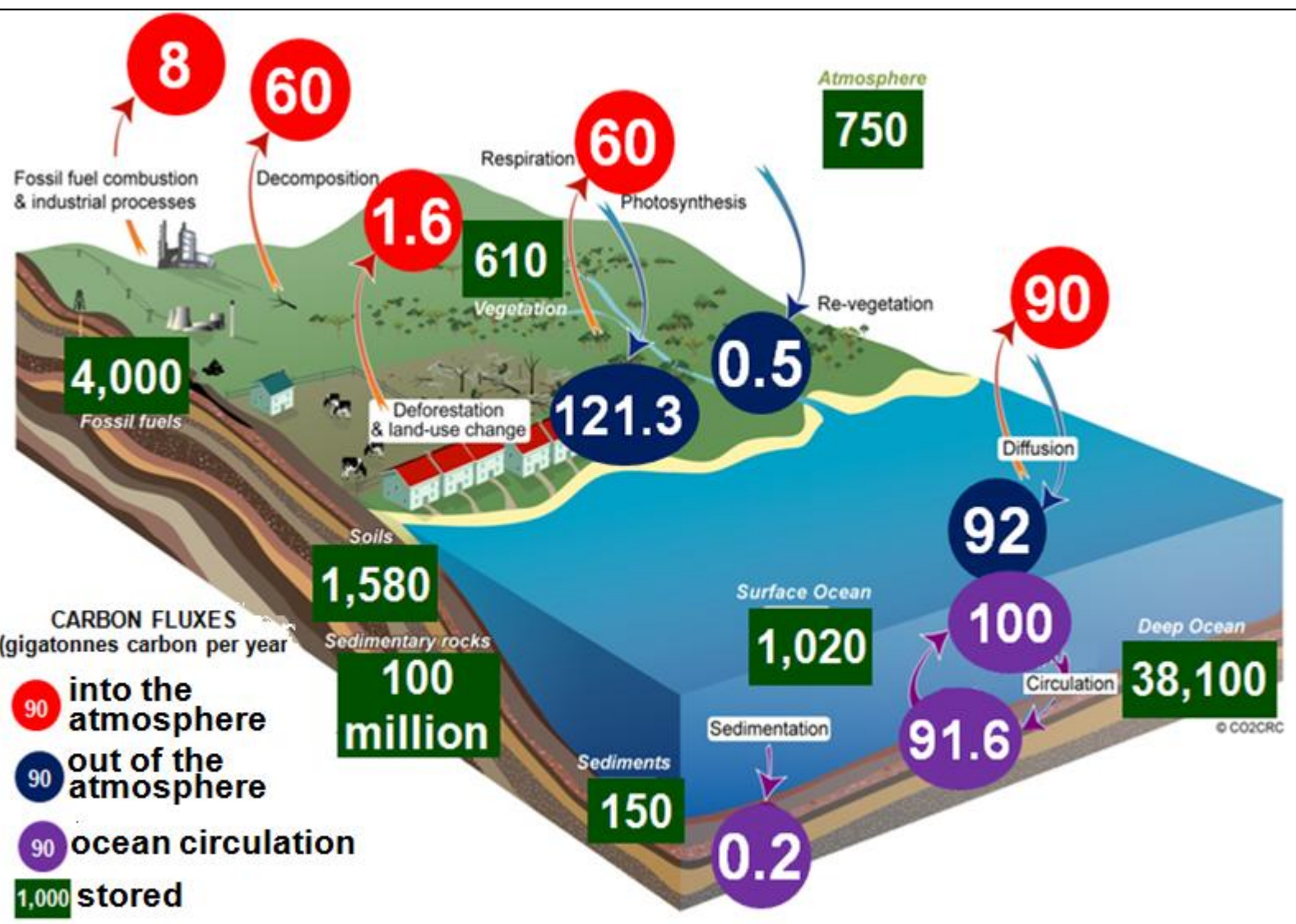
What does this map represent?

- A. net exports of cereals (in USD)
- B. net imports of fruit (in USD)
- C. number of international tourists arrivals
- D. net exports of toys (in USD)



Q.18

According to the diagram, what is the estimated increase of carbon in the atmosphere (in gigatonnes) each year?

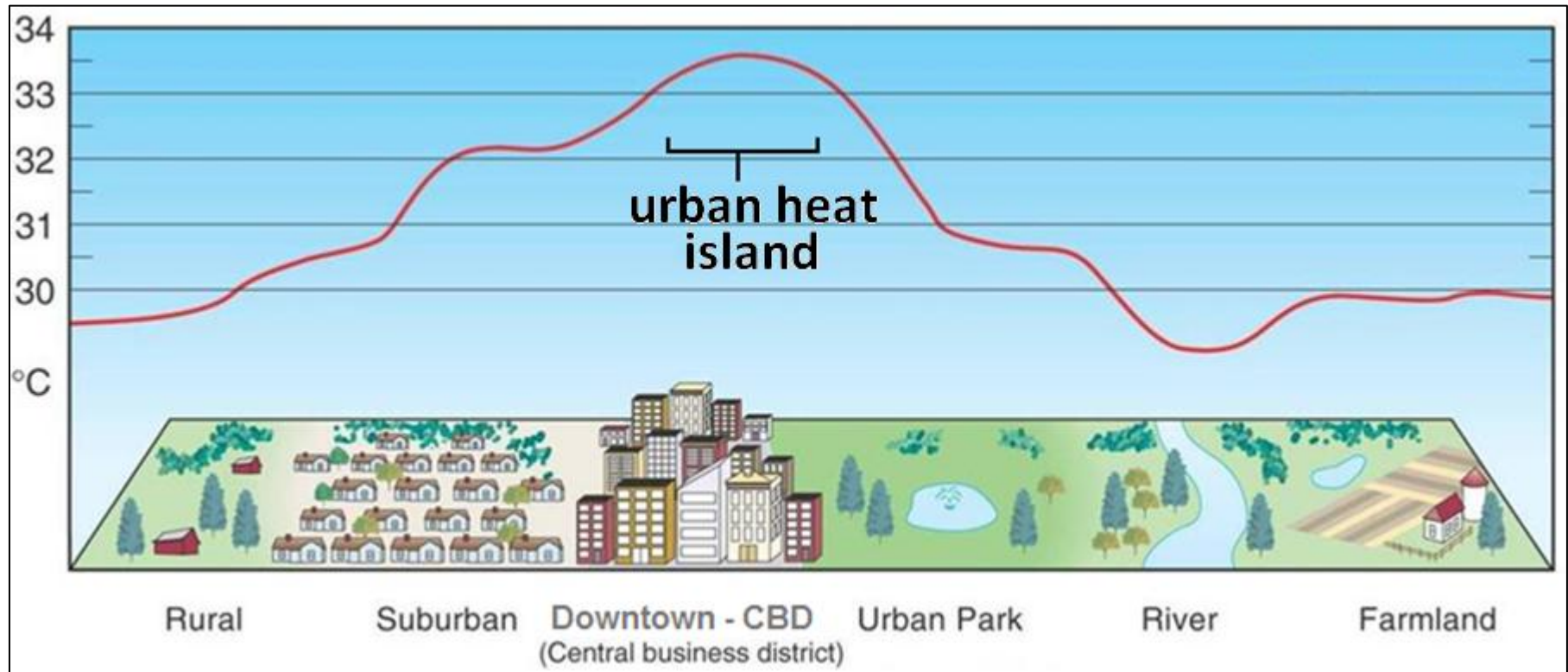


- A. 5.8
- B. 129.6
- C. 219.6
- D. 750.0

Q.19

The diagram shows the typical temperature profile due to the urban heat island effect (UHIE). Which of the following statements is correct?

- A. increasing building intensity reduces UHIE
- B. the multiple reflection of sunshine is a cause of UHIE in CBD
- C. UHIE effect is evident in windy environments
- D. urban greening increases UHIE



Q.20

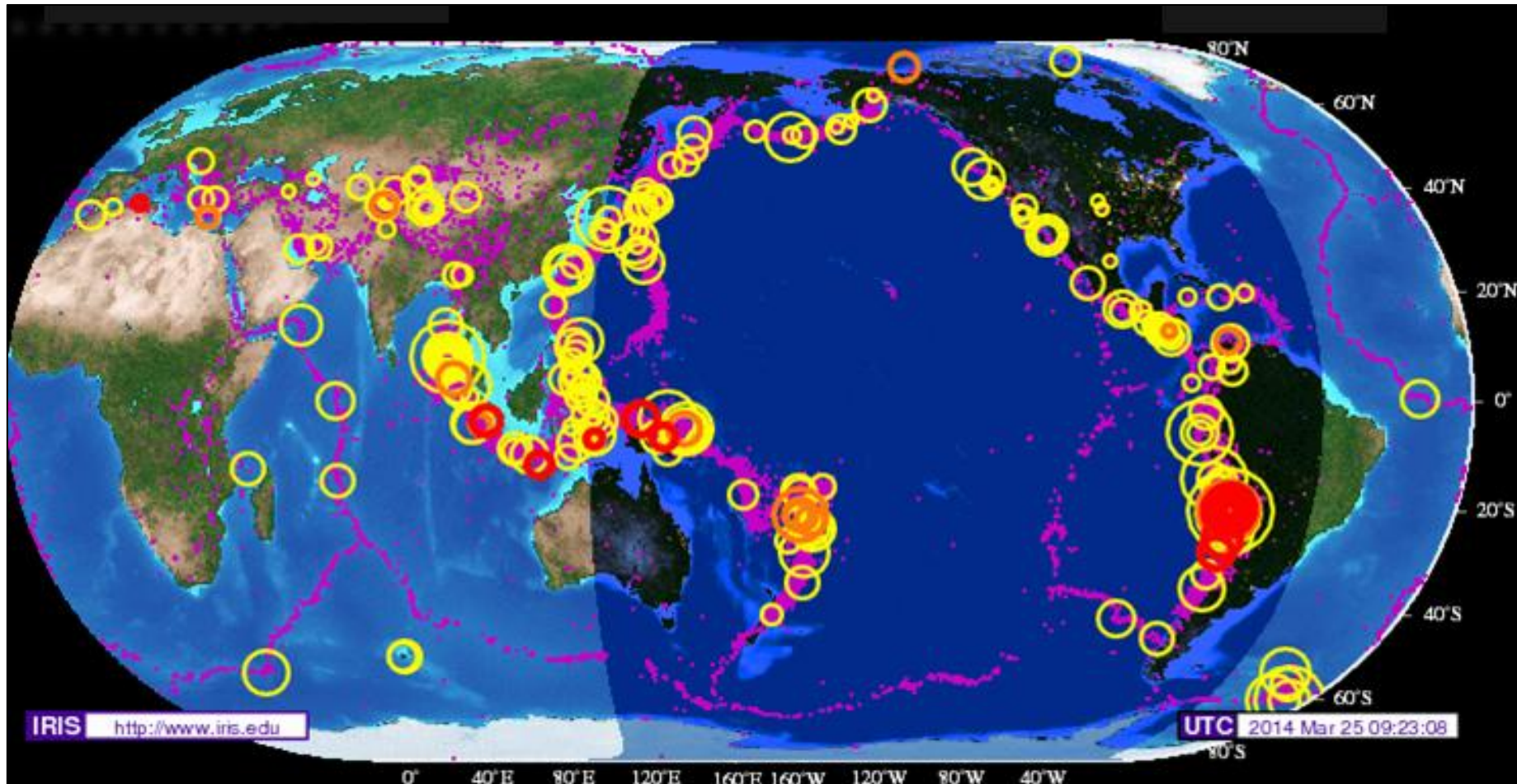
The resource being transported by the carrier ship is an example of a resource that is:

- A. non-renewable and consumed by use
- B. non-renewable and theoretically recoverable
- C. renewable and can be replenished over time
- D. renewable and inexhaustible



Q.21 The sizes of the circles on the image are proportional to:

- A. the depth of the epicentres of earthquakes
- B. the energy released at the focuses of earthquakes
- C. the potential for damage produced by earthquakes
- D. the speed of magma flowing through volcanoes



Q.22

These photos were taken in the same country.
Which country is it?

A. Bolivia

B. Brazil

C. Chile

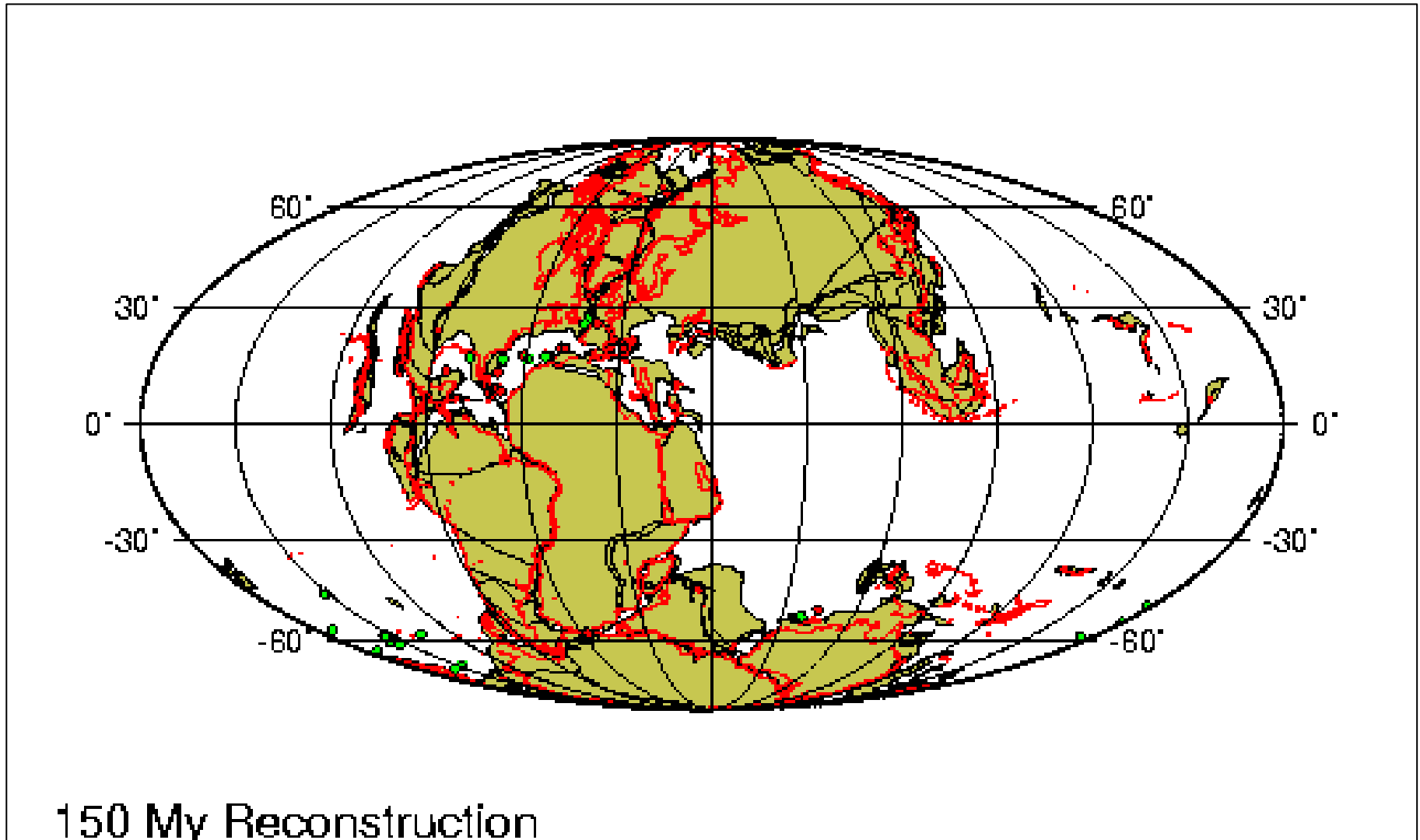
D. Venezuela



Q.23

Which region has moved the fastest in the last 150 million years?

- A. Africa B. Australia C. India D. South America



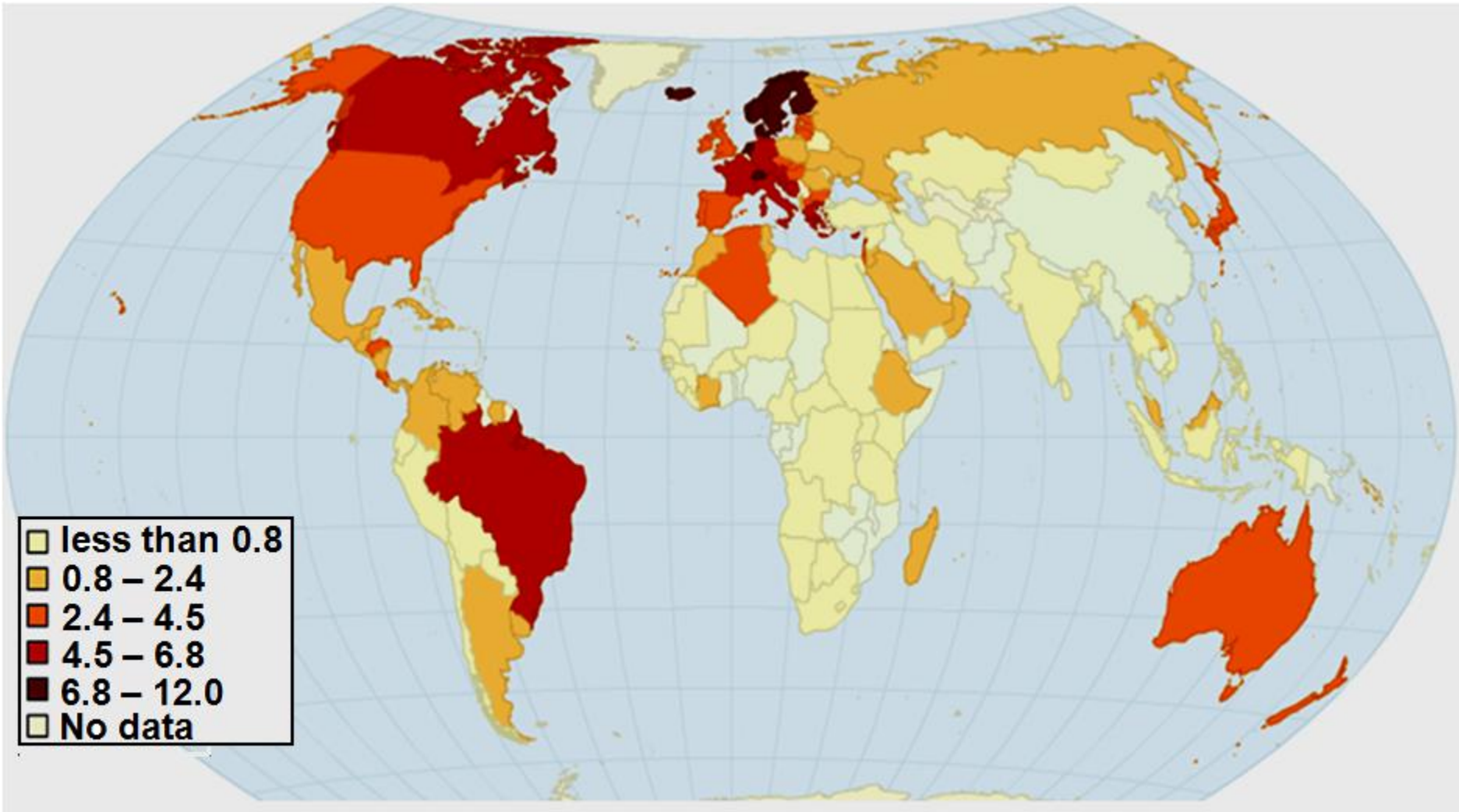
This map shows the worldwide consumption per capita of:

A. coffee

B. tea

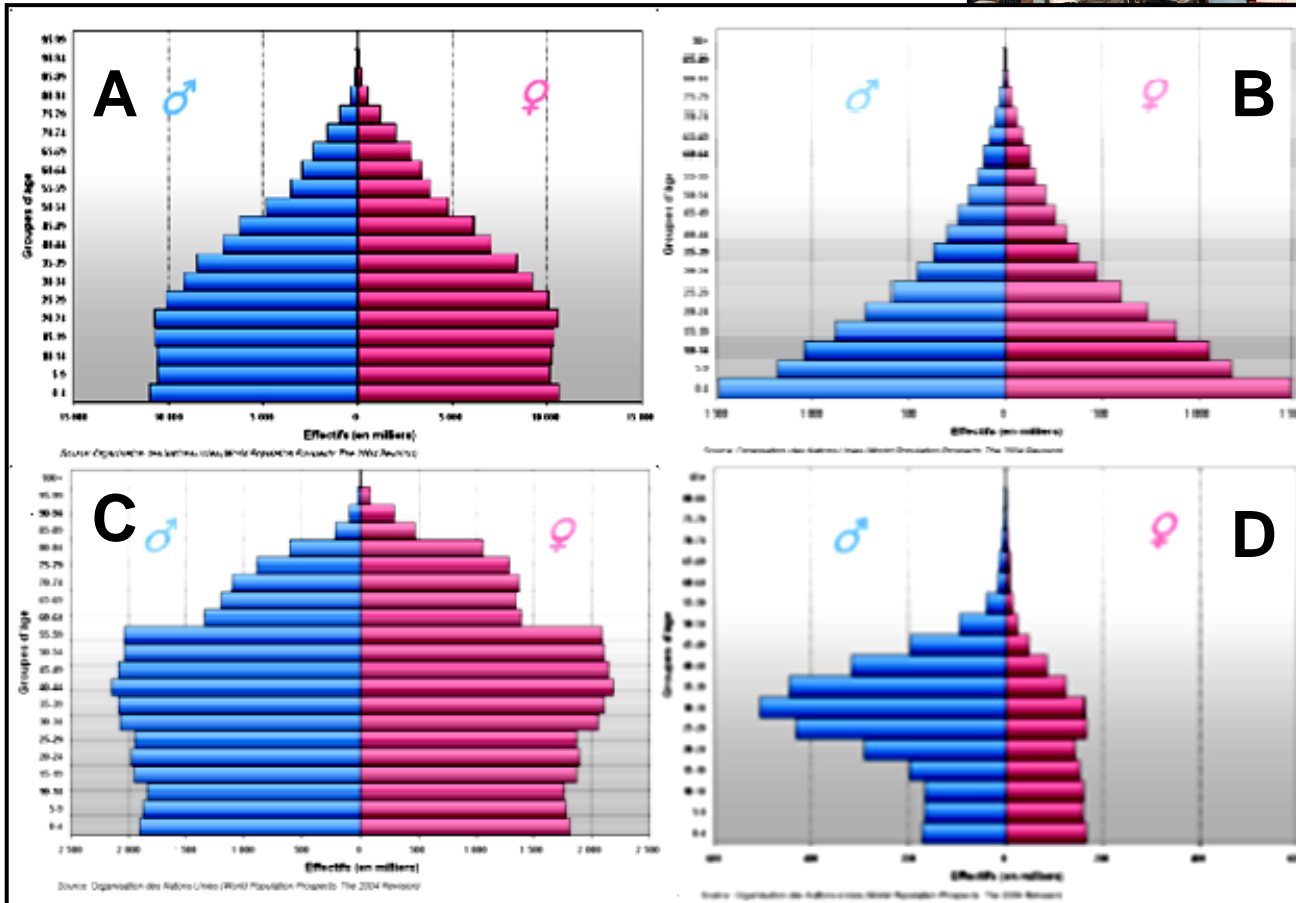
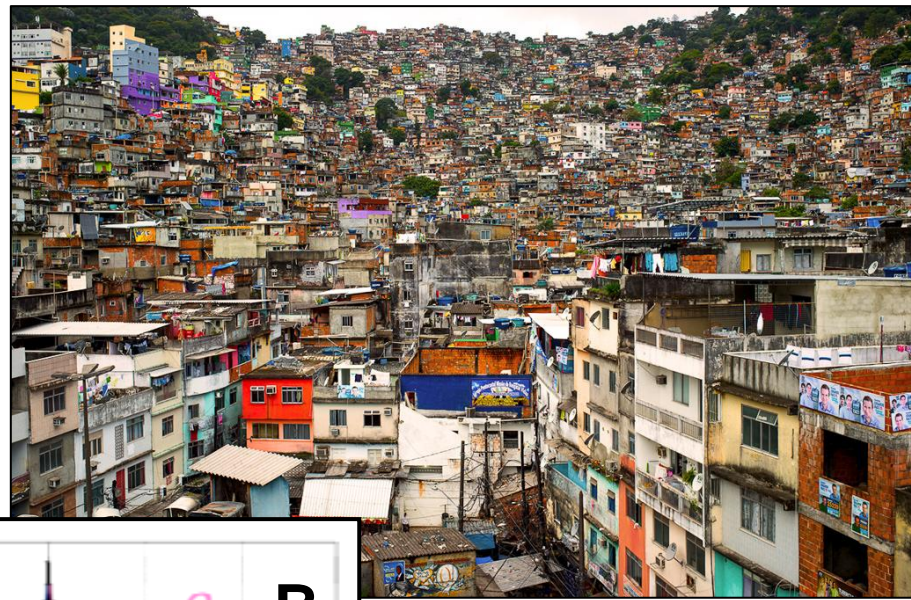
C. bottled water

D. wine



Q.24

Which of the population pyramids best fits the human settlement shown in the photo?

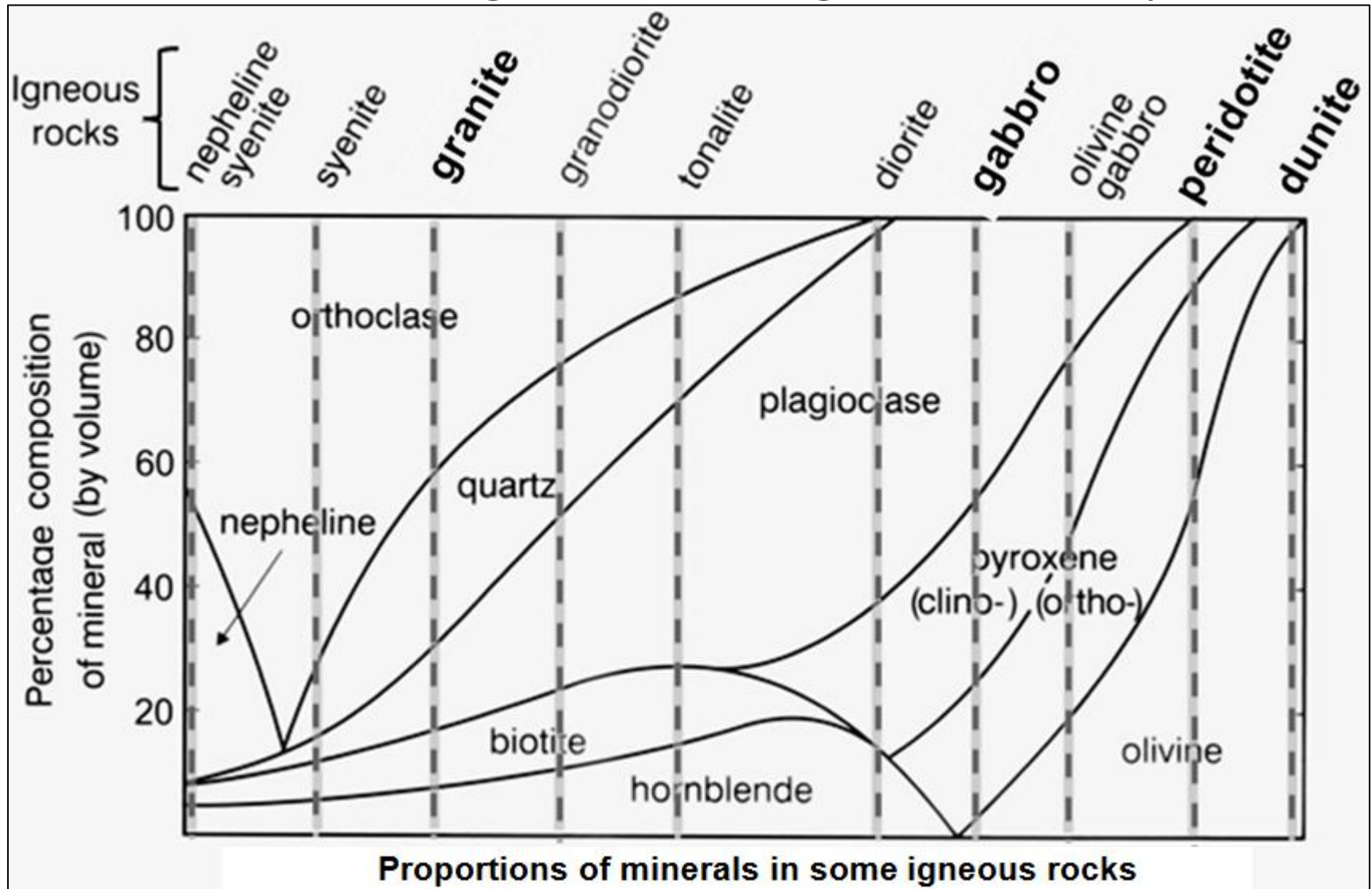


Q.25

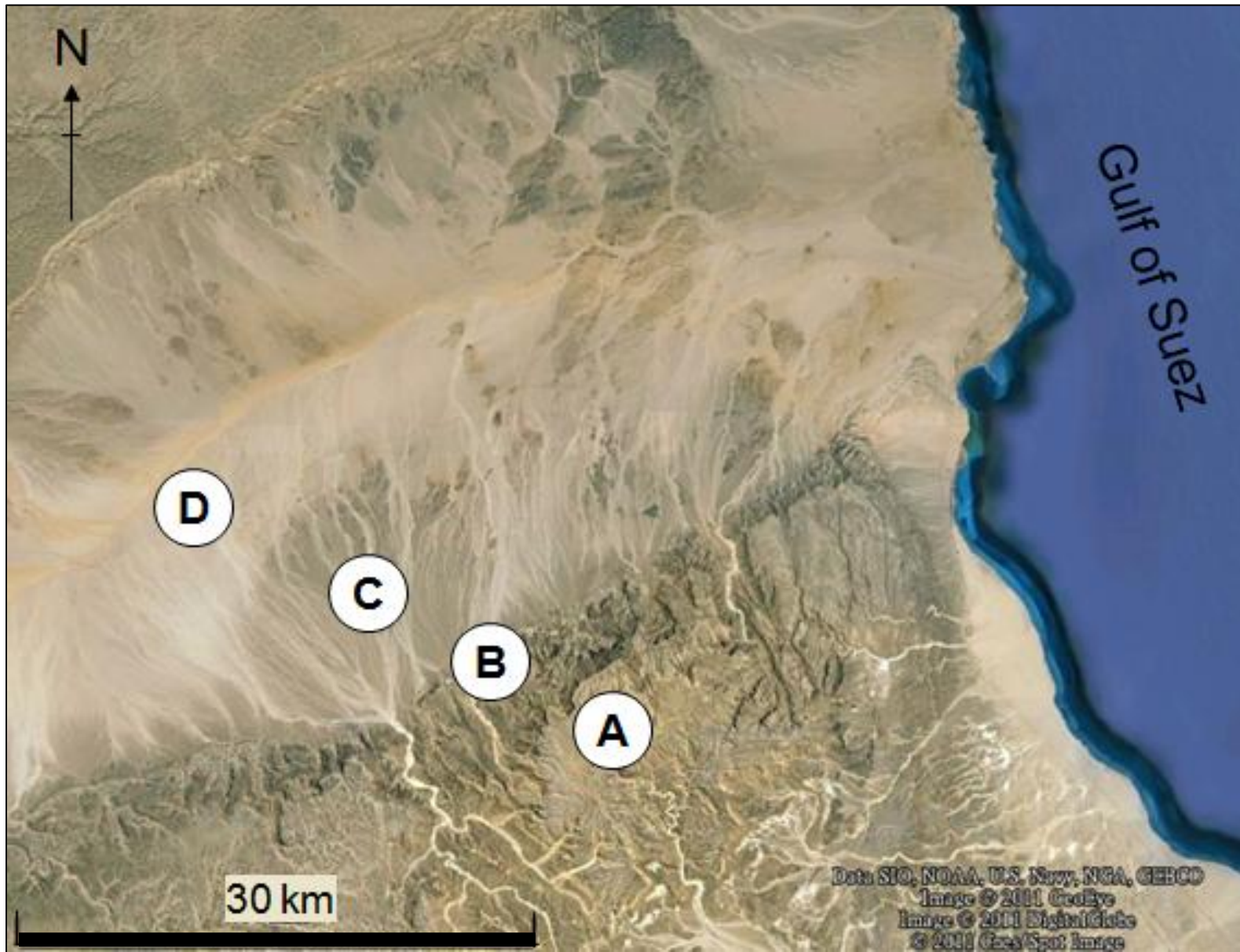
Q.26

An igneous rock has five of the minerals shown in the diagram. This rock is most likely to be:

- A. dunite B. gabbro C. granite D. peridotite



Egypt's oldest Coptic Christian monastery, St. Anthony's, was built on an escarpment. Where is it located?



Q.27

Q.28

Which of the following concepts does NOT directly relate to this picture?

- A. Earth's rotation B. latitude C. longitude D. time zone



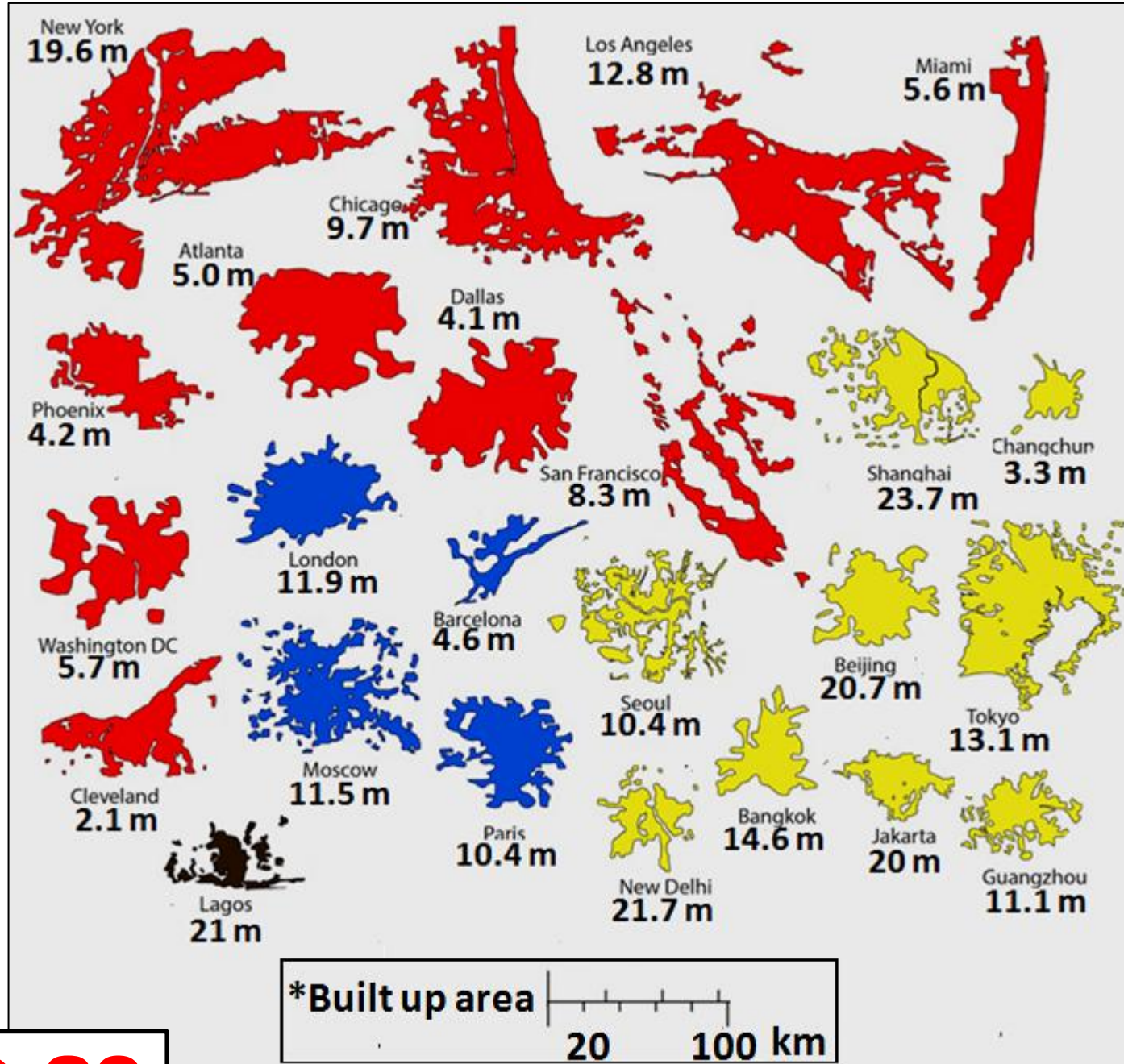
In which region has the suburbanization process been most extensive?

A. ■ Africa

B. ■ Asia

C. ■ Europe

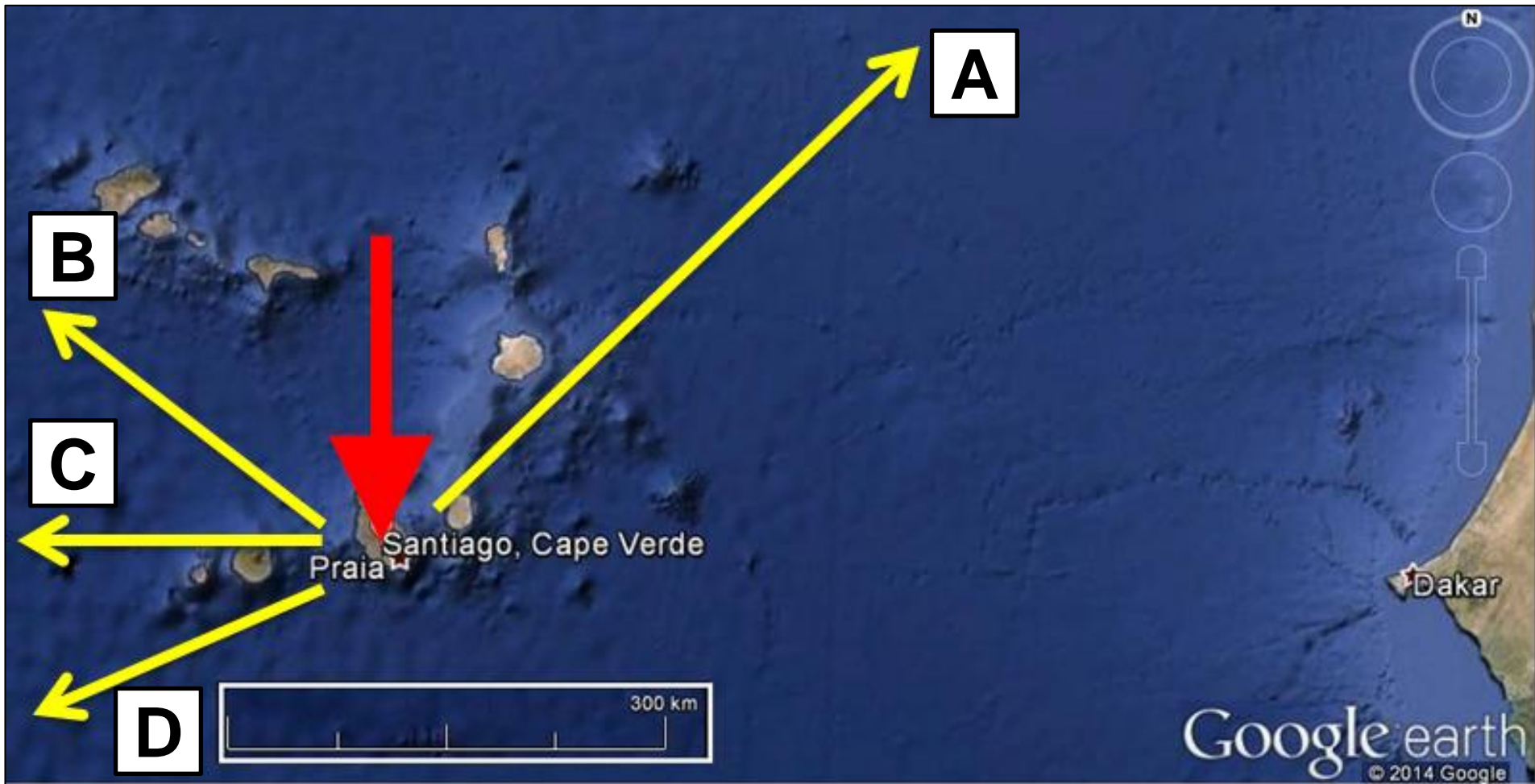
D. ■ U.S.A.



Q.29

Q.30

The red arrow points to Santiago, one of the Cape Verde Islands. In which direction (A, B, C or D) is Honduras located?

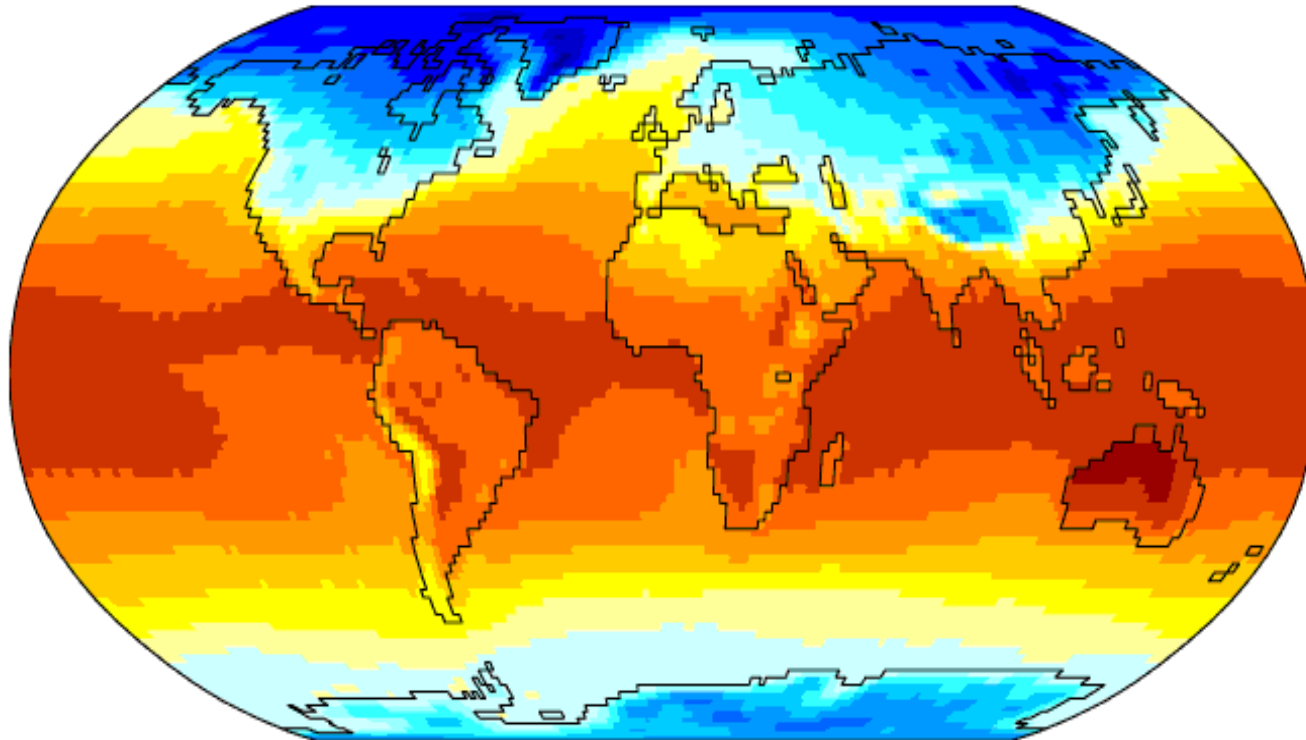


Q.31

Which factor is the most important to explain the temperature differences shown in this map?

Air Temperature

Dec



-50 -40 -35 -30 -25 -20 -15 -10 -5 0 5 10 15 20 25 30 35°C

-50 °C

0 °C

35 °C

Data: NCEP/NCAR Reanalysis Project, 1959-1997 Climatologies

Animation: Department of Geography, University of Oregon, March 2000

A. continentality

B. Earth's rotation

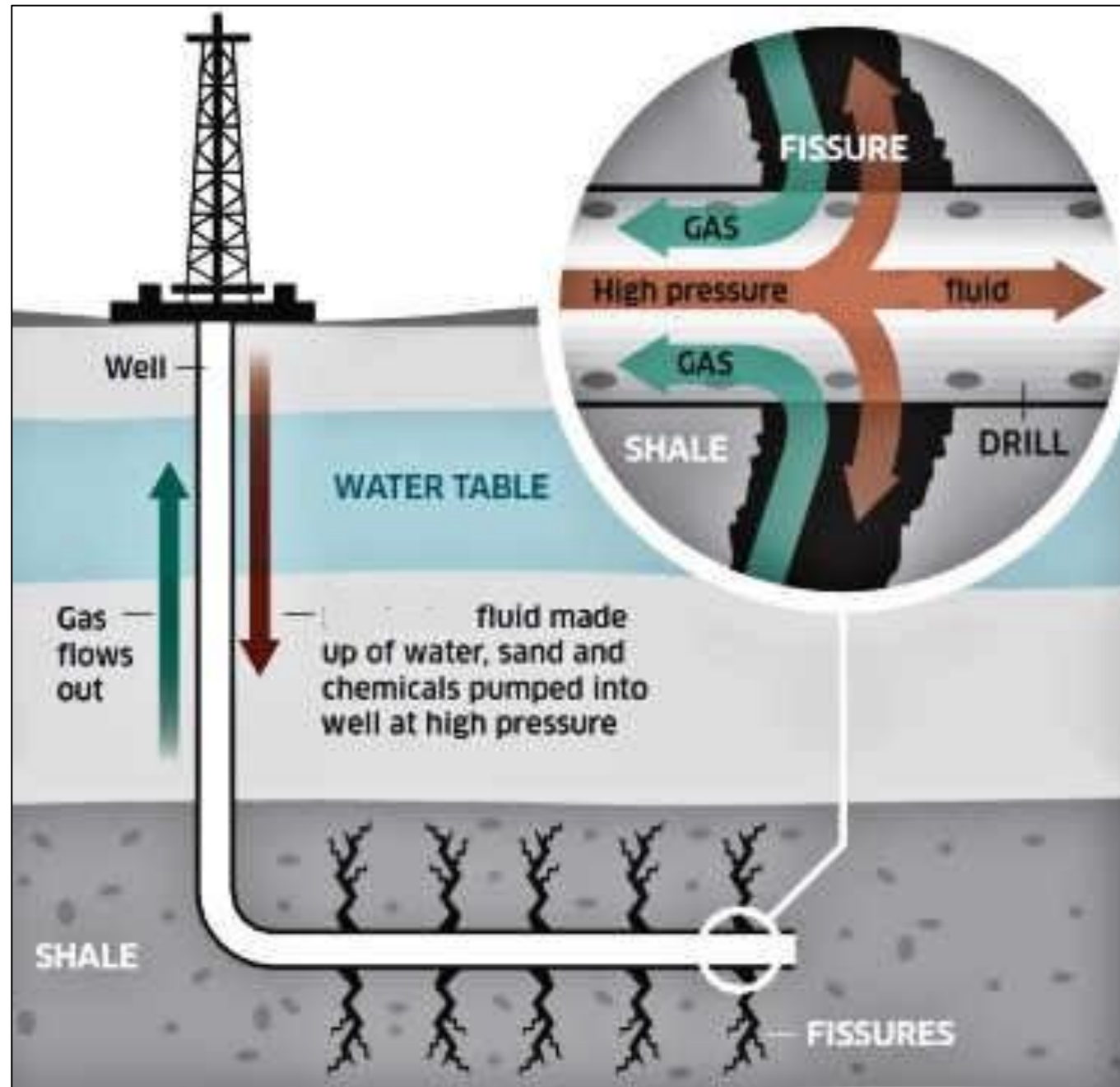
C. latitude

D. ocean currents

Q.32

What is the term for the process of extracting natural gas shown in the diagram?

- A. dredging
- B. fracking
- C. refining
- D. smelting



Q.33

The image shows a stage in the formation of:

A. drumlins

B. a fjord

C. an outwash plain

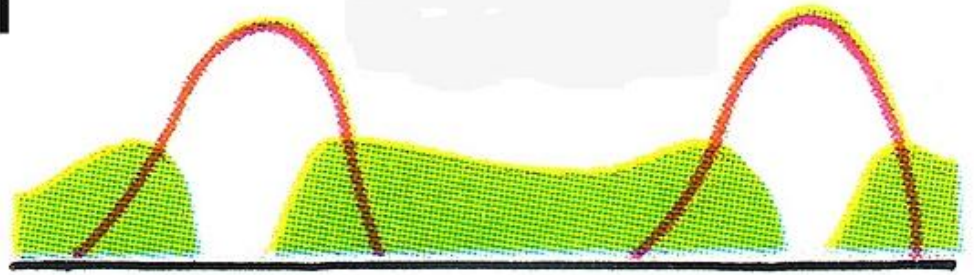
D. a rift zone



What is the correct order for these diagrams to show the development of a megalopolis?

- A. 1 - 2 - 3
- B. 2 - 3 - 1
- C. 3 - 1 - 2
- D. 3 - 2 - 1

1



2



3



homes

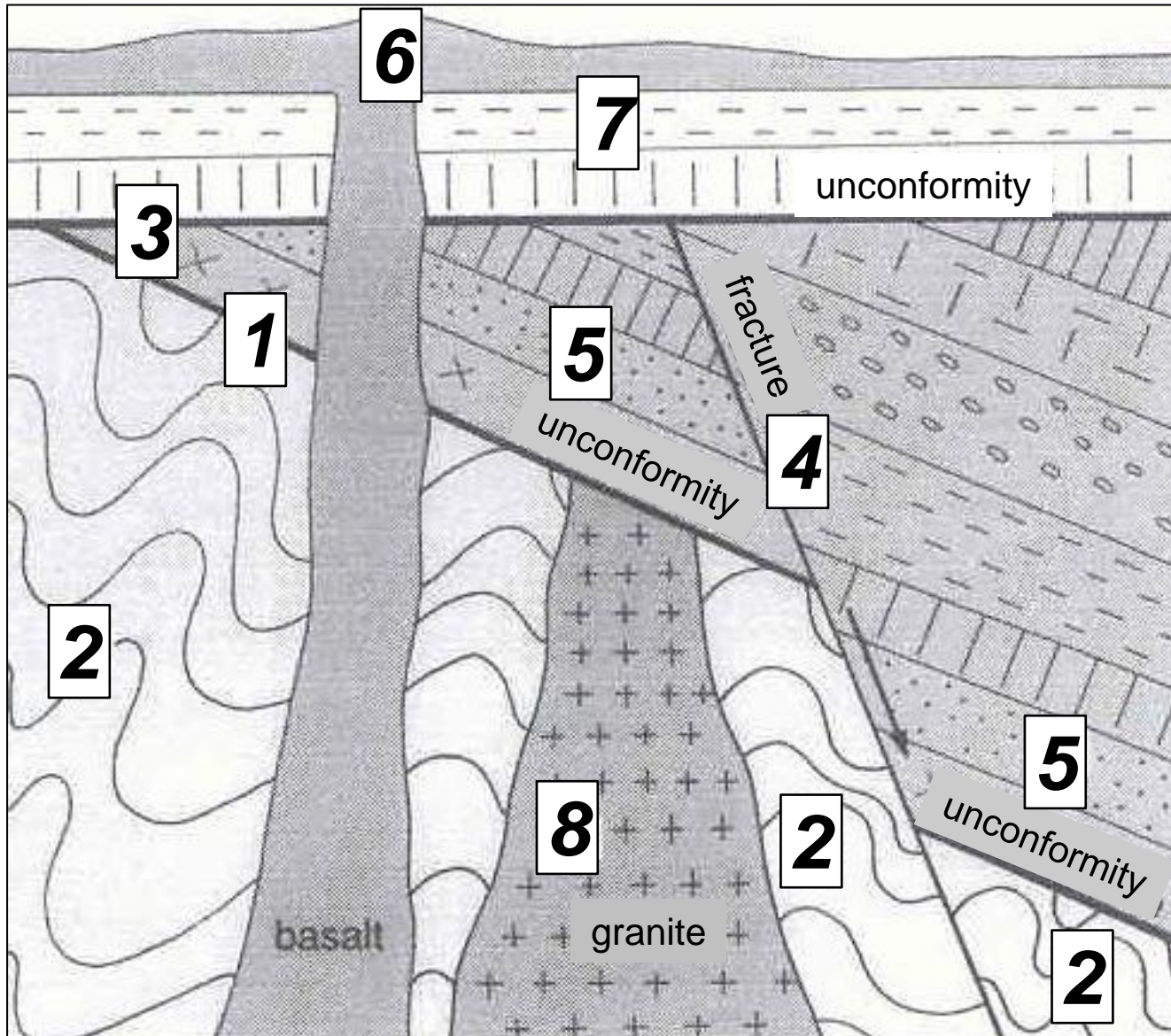


work

Q.34

Q.35

Which of the following statements is **INCORRECT**?



- A. fracture 4 is older than layer 5
- B. layer 2 is older than intrusion 8
- C. intrusion 8 is older than layer 5
- D. unconformity 1 is older than layer 5

Q.36

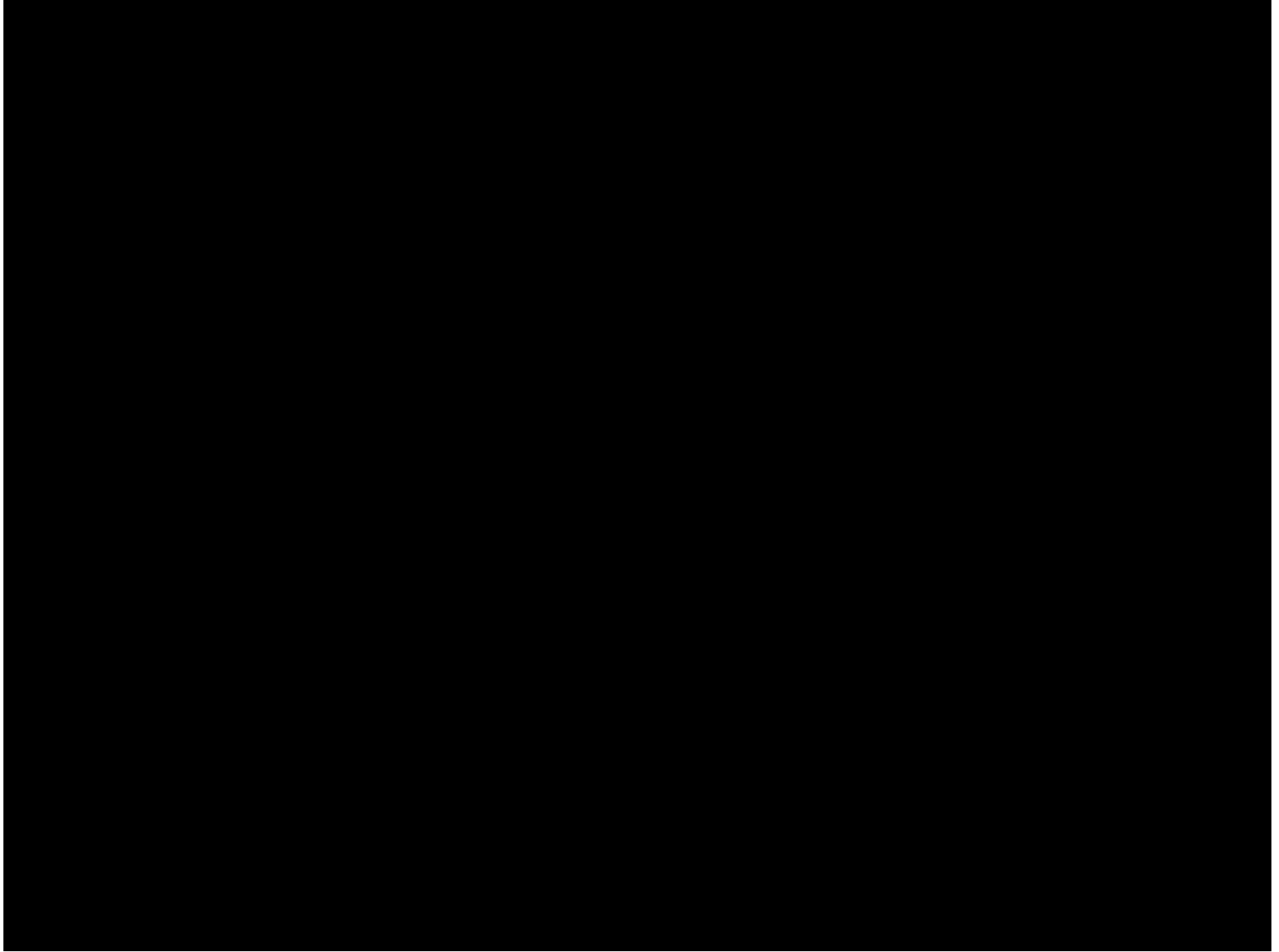
Which phenomenon is shown in the movie?

A. hurricane

B. rotating thunderstorm

C. tornado

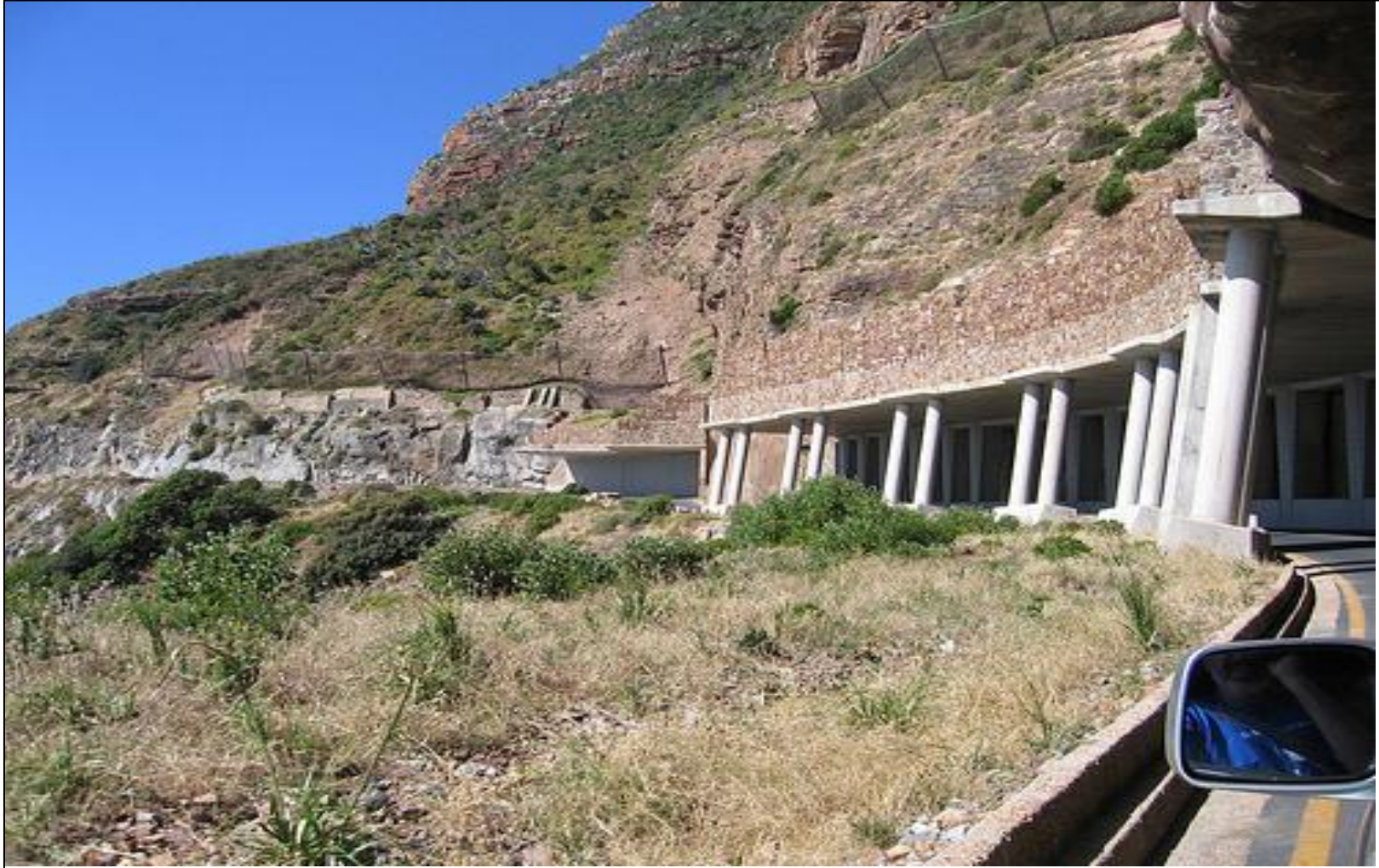
D. waterspout



Q.37

What is most likely to bring on the hazard that the structures in this picture are protection against?

- A. lack of a drainage system B. headward erosion
C. intense precipitation D. high winds



What type of volcanic eruption is shown in the movie?

- A. Hawaiian B. phreatic C. Plinian D. Strombolian



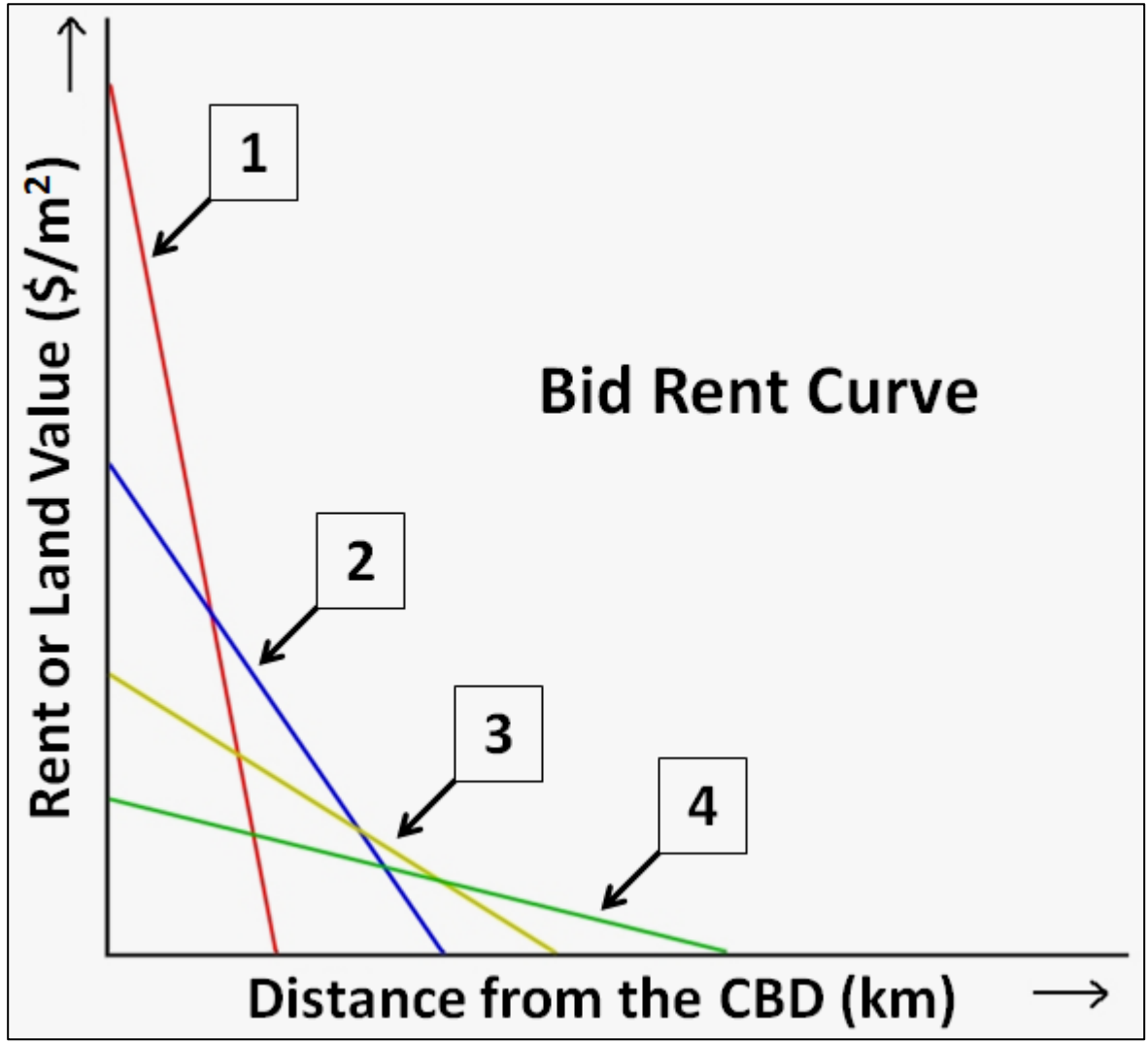
© Villarrica Volcano Visual Observation Project - www.povi.cl

Q.38

Domingo, 26. Octubre 2008, 20:16:42

The Bid Rent Theory states that rent or land values decrease with the distance from the central business district (CBD). In the diagram, what type of land use does LINE 1 represent?

- A. agricultural
- B. industrial
- C. residential
- D. retail



Q.39

Q.40

These images depict a plan for a process of:

A. deindustrialization

B. gentrification

C. sustainable development

D. urban blight

