



**DO NOT TOUCH THE**  
**COMPUTER UNTIL TOLD TO**  
**DO SO**

Sources: see file iGeo 2024 MMT\_answers

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# Multimedia Test

## iGeo MMT-working group 2024

Director of Tests: **Sue Lomas** (United Kingdom)


Committe Convenor: **Priscilla Tan** (Singapore), **Tim Schuring** (The Netherlands)

Technical Support: Louise Sarsfield Collins (Ireland)

MMT-committee: **Janet Ruest** (Canada), **Joelle Thoma** (Switzerland)

With contributions Australia, Belarus, China-Beijing, Hungary, Latvia, Portugal, Singapore, Taiwan, The Netherlands

## Instruction:

- This test has **40 questions**.
- Look at every page and read the questions carefully.
- You have **50 minutes (educated in English) / 60 minutes (not educated in English) to complete the test**. If you finish early, please wait silently until the time is over.
- Each question is multiple-choice. Choose A, B, C, or D. **Only one answer is correct**.
- 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. If you believe there will be any confusion, also write the letter of your answer next to the question number.
- The  symbol represents a video; please watch the video to answer the question.
- For navigation, please use the arrows on the keyboard to move next (↓ →) or previous (↑ ←) page. **DO NOT CLICK ON THE ESCAPE BUTTON, AS THAT ENDS THE PRESENTATION.**

**ONLY START WHEN YOU ARE TOLD SO.**

Q 01

In which country were the following photographs taken?



A Bangladesh

B India

C Pakistan

D Sri Lanka



Q 02

In the image on the right, the temperature indicated by the bluish-purple patches is due to:



Landsat 8 imagery, El Centro, USA, 15 May 2013; left natural colour, right thermal infrared

© NASA

**A** Condensation

**B** Evapotranspiration

**C** Turbulence in the water

**D** Thermal power

Q 03

For which three sampling locations will you most likely find the same stratigraphy?

A 1, 2 and 3

B 1, 5 and 9

C 1, 4 and 7

D 7, 8 and 9



Q 04

The images show the effect of \_\_\_\_\_ on mangrove forests.



**A** Rice cultivation

**B** Salmon aquaculture

**C** Sea salt mining

**D** Shrimp farming

**Q 05**

Which statement about the weather and geographical features in this landscape is most likely correct?



**A** Advance of a cold front over a downstream part of a river.

**B** Advance of a cold front over an upstream part of a river.

**C** Advance of a warm front over a downstream part of a river.

**D** Advance of a warm front over an upstream part of a river.



Q 06

How would a cultural geographer describe these pictures of a 'Maasai Wedding'?



A Acculturation

B Assimilation

C Cultural appropriation

D Decolonialization of geography

Q 07

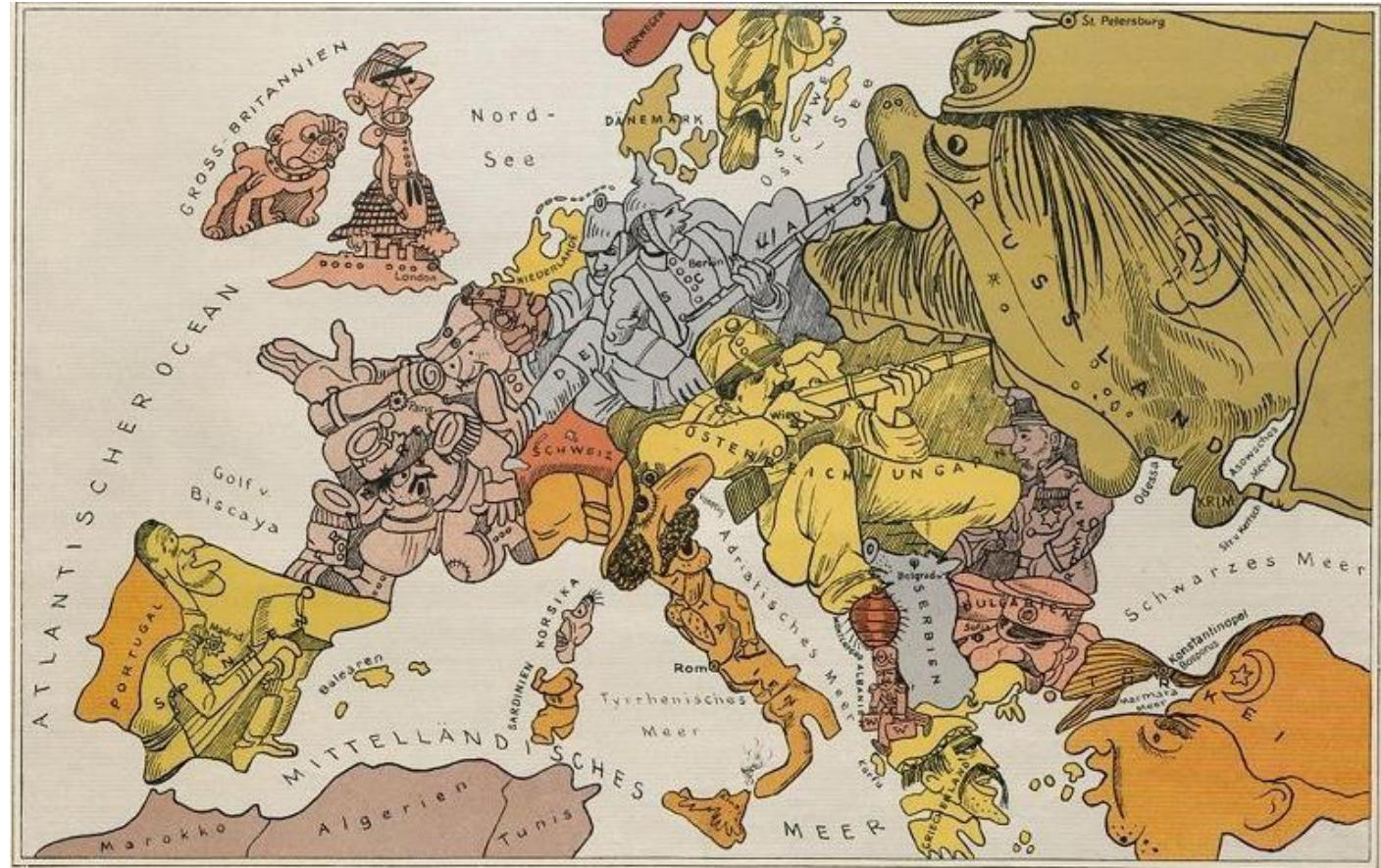
Serio-comic are maps not only depict the geopolitical boundaries of the geographical entities, but also serve as a commentary on the events happening at that time.  
To what event is this map related?

A Cold War

B Treaty of Westphalia

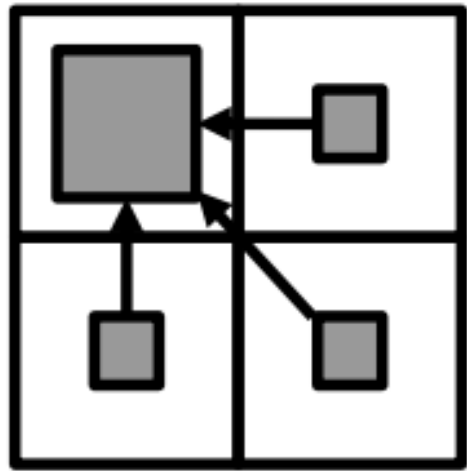
C World War I

D World War II

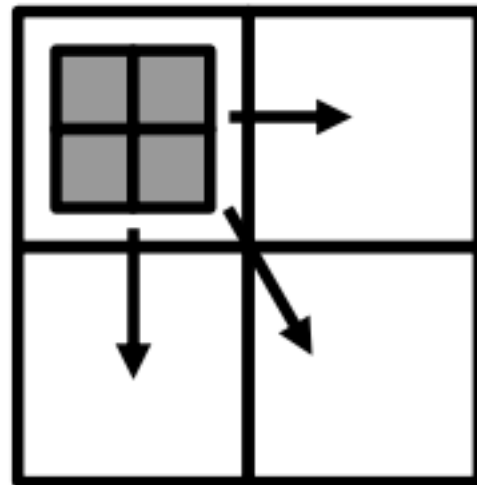


**Q 08**

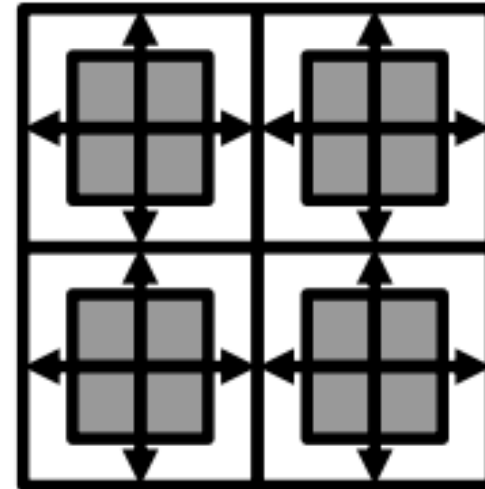
Which type of Global Production Network (GPN) benefits the least from the ASEAN-China Free Trade Area (ACFTA)?



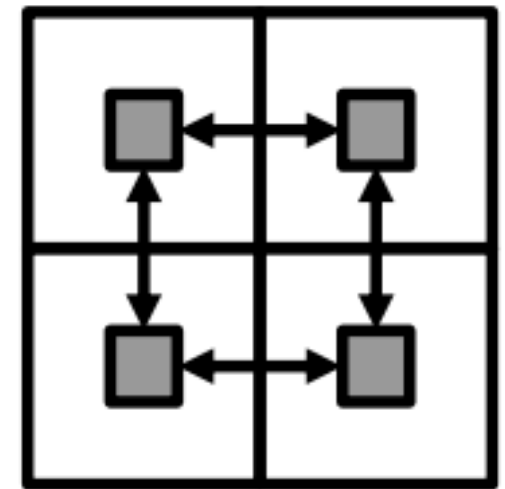
**A: Final assembly plant production**



**B: Globally concentrated production**



**C: Host market production**



**D: Product specialisation**

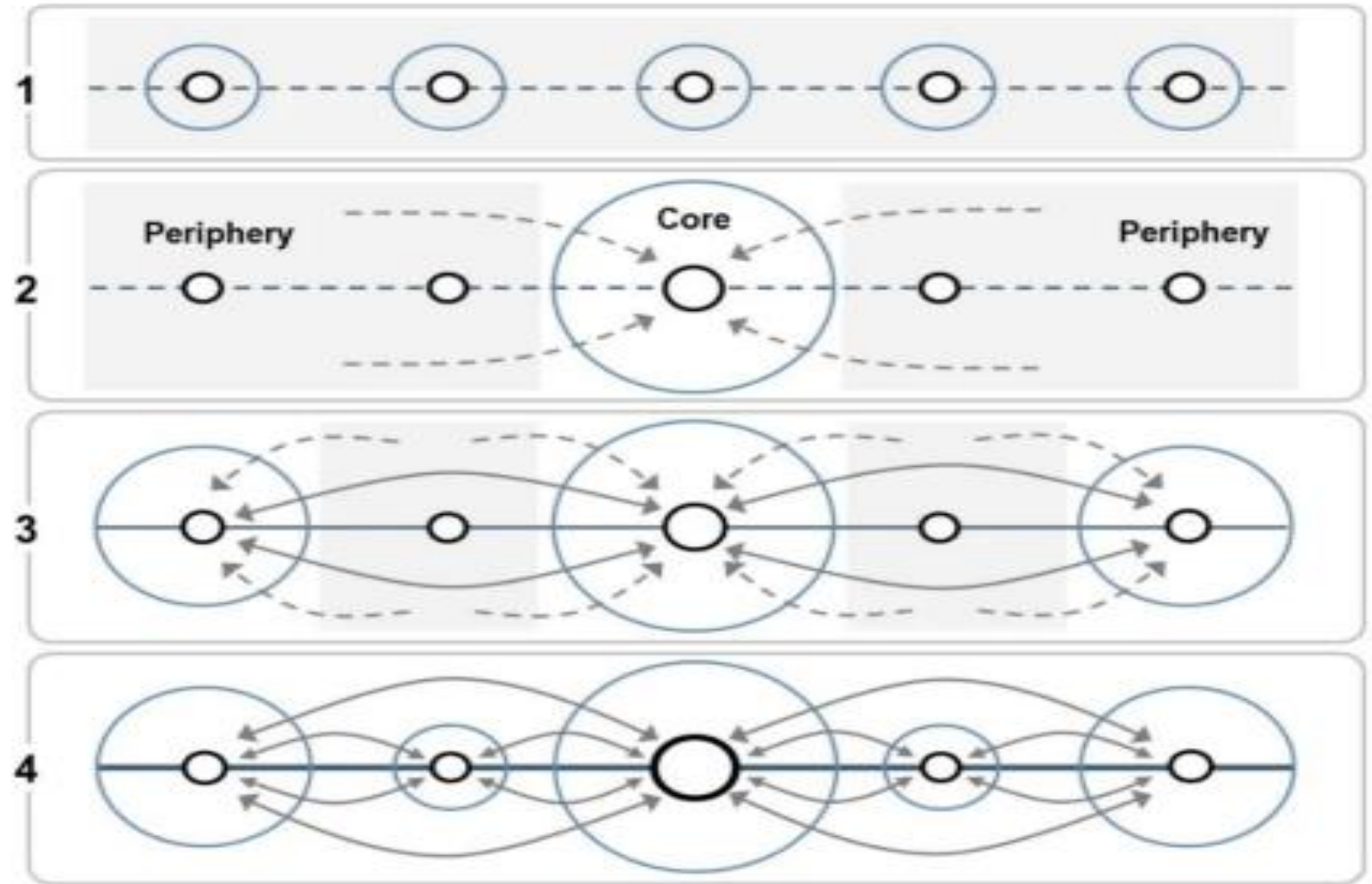
**Q 09** Which answer option, shows the correct order of the Friedmann's Core-Periphery Theory?

**A** Stage 1: Pre-industrial stage  
Stage 2: Transitional stage  
Stage 3: Industrial stage  
Stage 4: Post-industrial stage

**B** Stage 1: Pre-industrial stage  
Stage 2: Industrial stage  
Stage 3: Transitional stage  
Stage 4: Post-industrial stage

**C** Stage 1: Transitional stage  
Stage 2: Pre-industrial stage  
Stage 3: Industrial stage  
Stage 4: Post-industrial stage

**D** Stage 1: Pre-industrial stage  
Stage 2: Industrial stage  
Stage 3: Post-industrial stage  
Stage 4: Transitional stage



**Q 10**

If the traveller is at the location where the photograph was taken, they must travel

**A** 105 km west to a latitude of  $90^{\circ}\text{N}$  to visit the Polar Circle.

**B** 105 km northeast to latitude of  $66^{\circ}\text{N}$  to visit the Polar Circle.

**C** 2725 km southeast to latitude of  $90^{\circ}\text{N}$  to visit the North Pole.

**D** 2725 km northwest to a latitude of  $66^{\circ}\text{N}$  to visit the North Pole.



**Q 11**

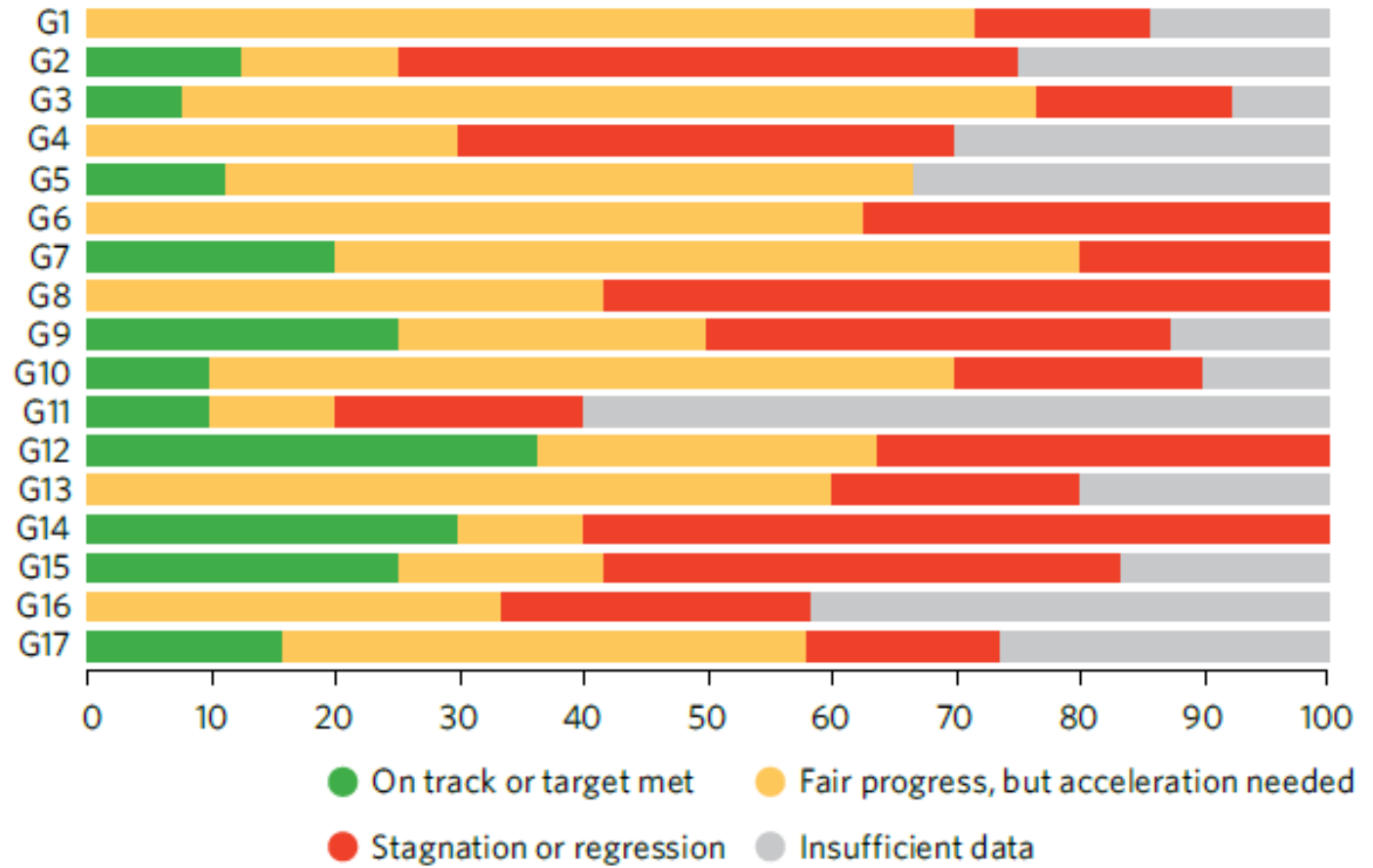
Which of the following statements accurately reflects the status of the Sustainable Development Goals (SDGs) progress as of 2023?

**A** 50% of the assessed targets are on track to meet the SDGs by 2030.

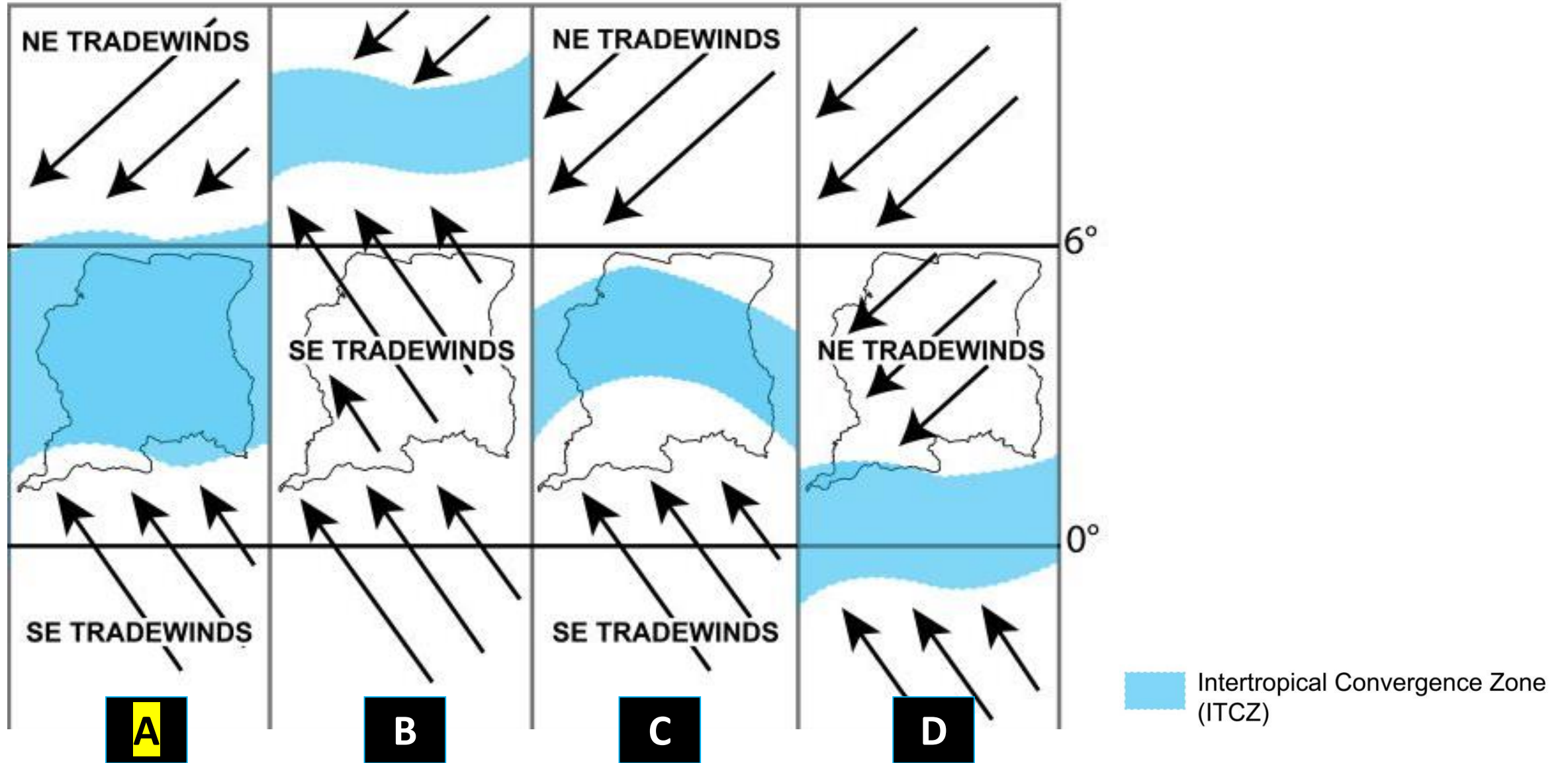
**B** More than 30% of the assessed targets show regression

**C** Only 10% of the assessed targets show moderate or severe deviations from the desired trajectory.

**D** Over 70% of the assessed targets have already been achieved.



**Q 12** Which option shows the general weather pattern for Suriname for April-August?



**Q 13**

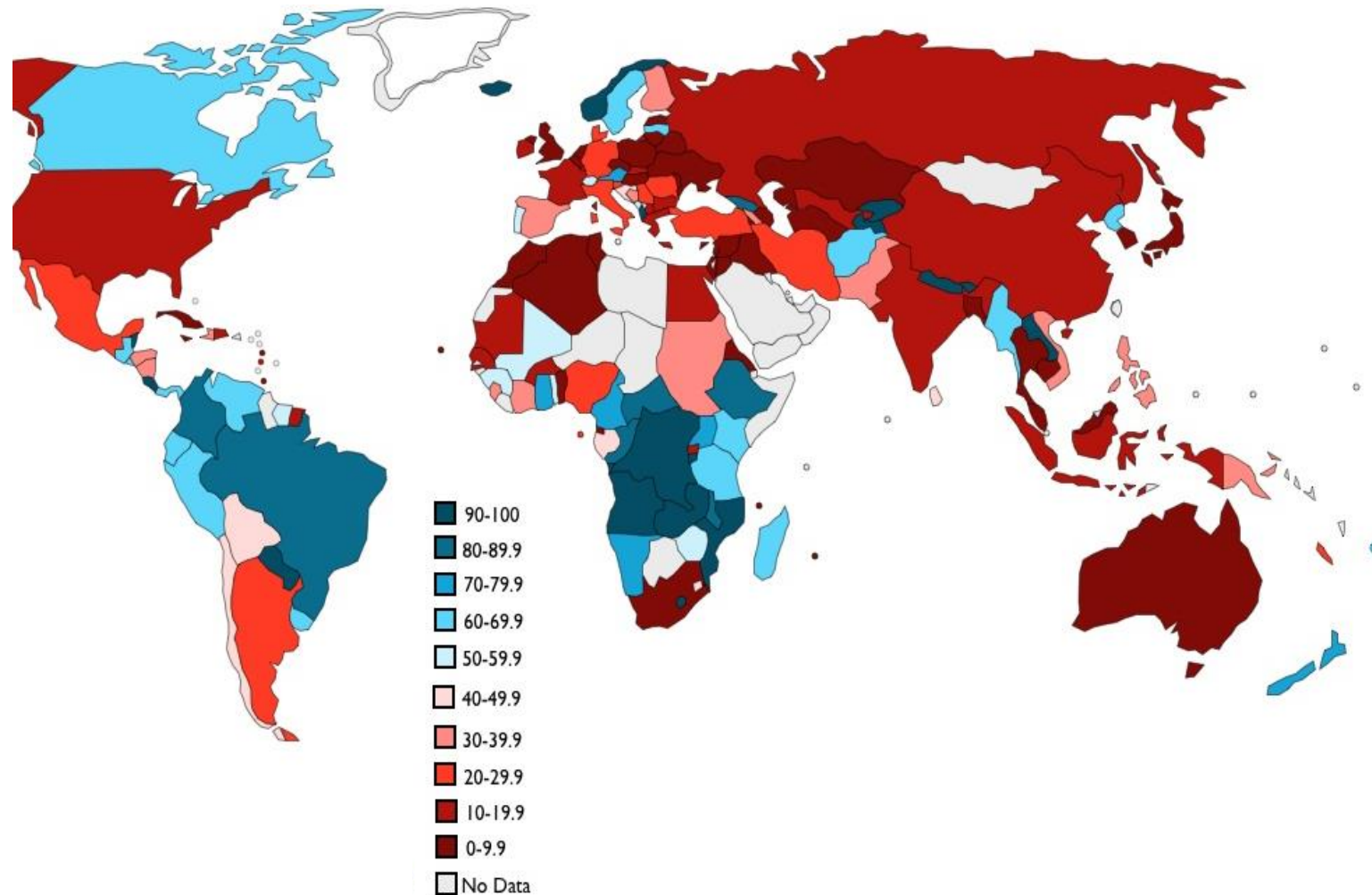
What does the following map represent?

**A** % of electricity generation from renewable sources

**B** % of people speaking local dialects

**C** % of households with internet access

**D** % of population living in urban areas





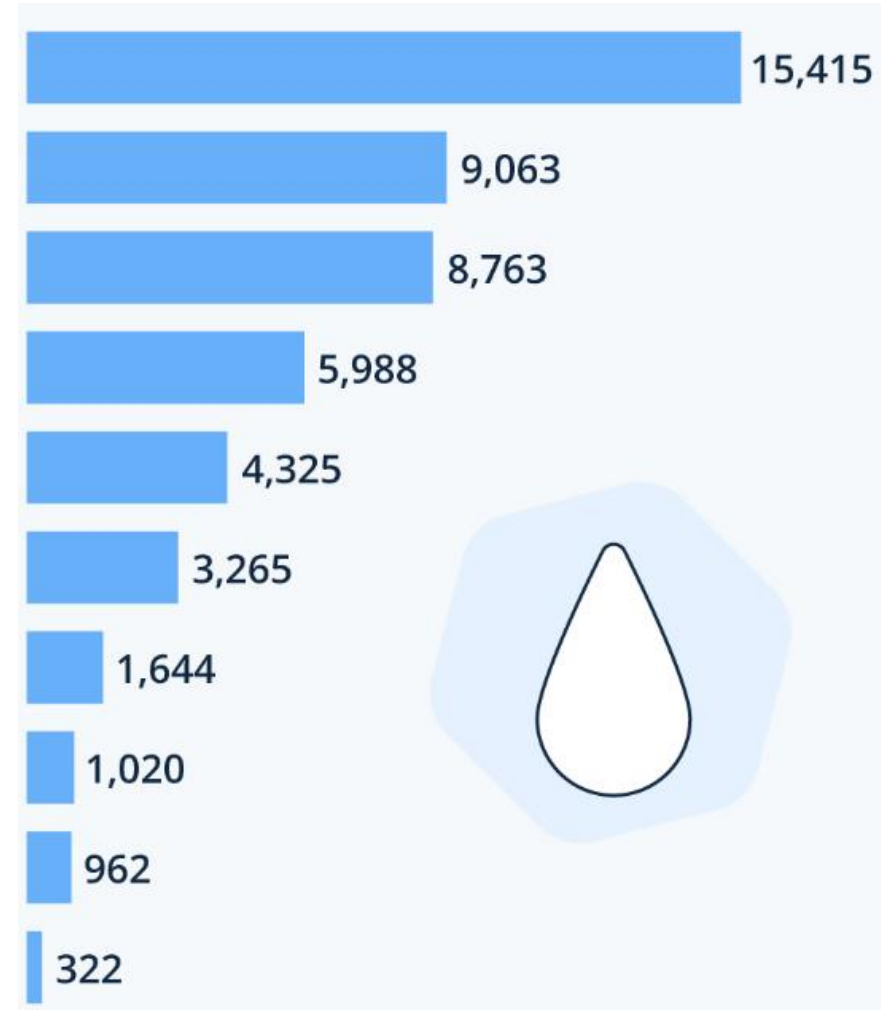
**Q 14**

The following chart shows the water footprint of various food products. Based on the chart, which food product has the highest water footprint per kilogram?

### How Thirsty Is Our Food?

Liters of water required to produce one kilogram of the following food products\*

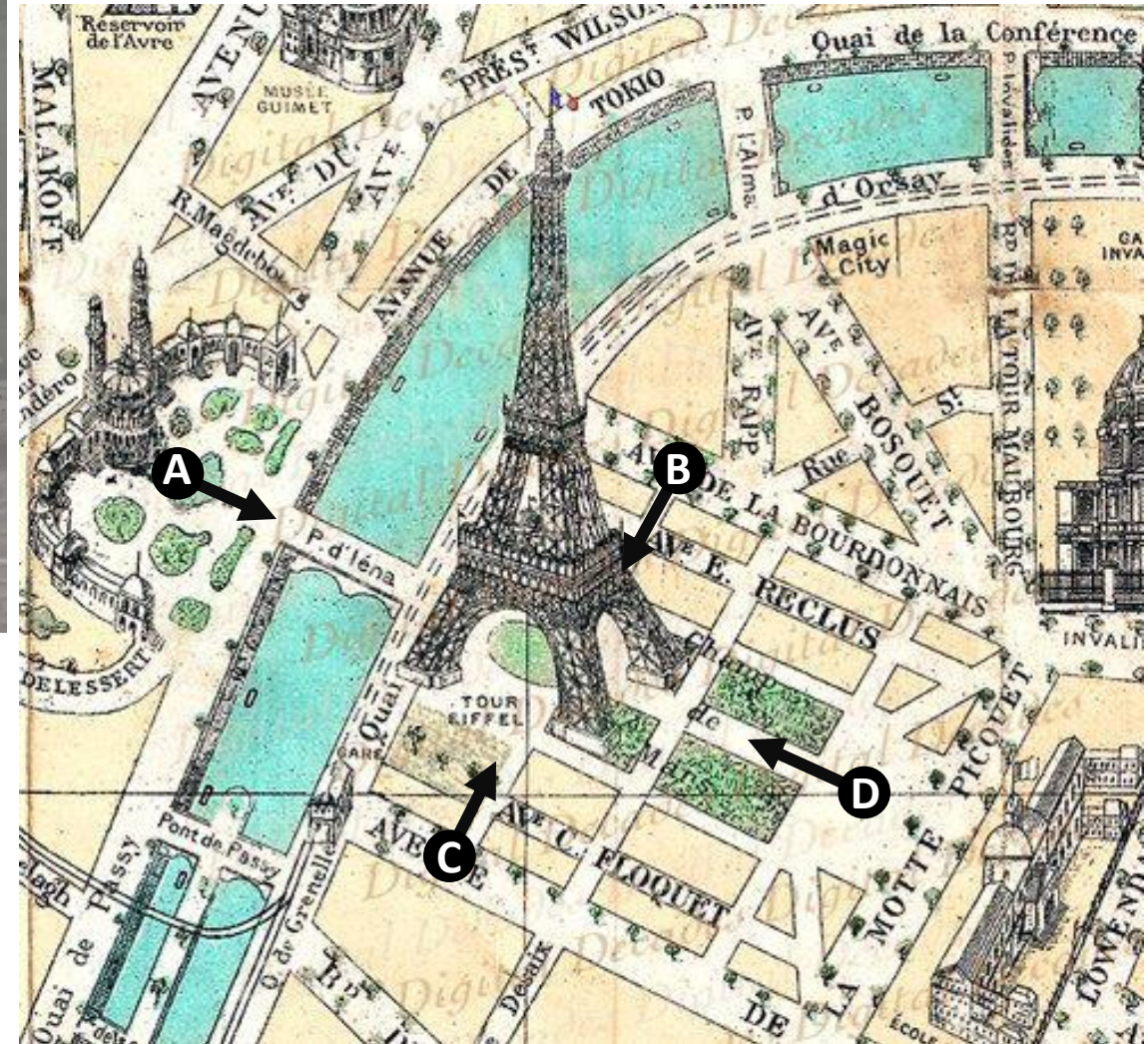
\* Global averages  
Source: Water Footprint Network



- A** Eggs
- B** Meat
- C** Nuts
- D** Tea

Q 15

Belgian Remco Evenepoel won the Olympic cycling road race at the 2024 Paris Olympics. Where is the camera located?

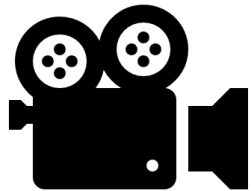


A

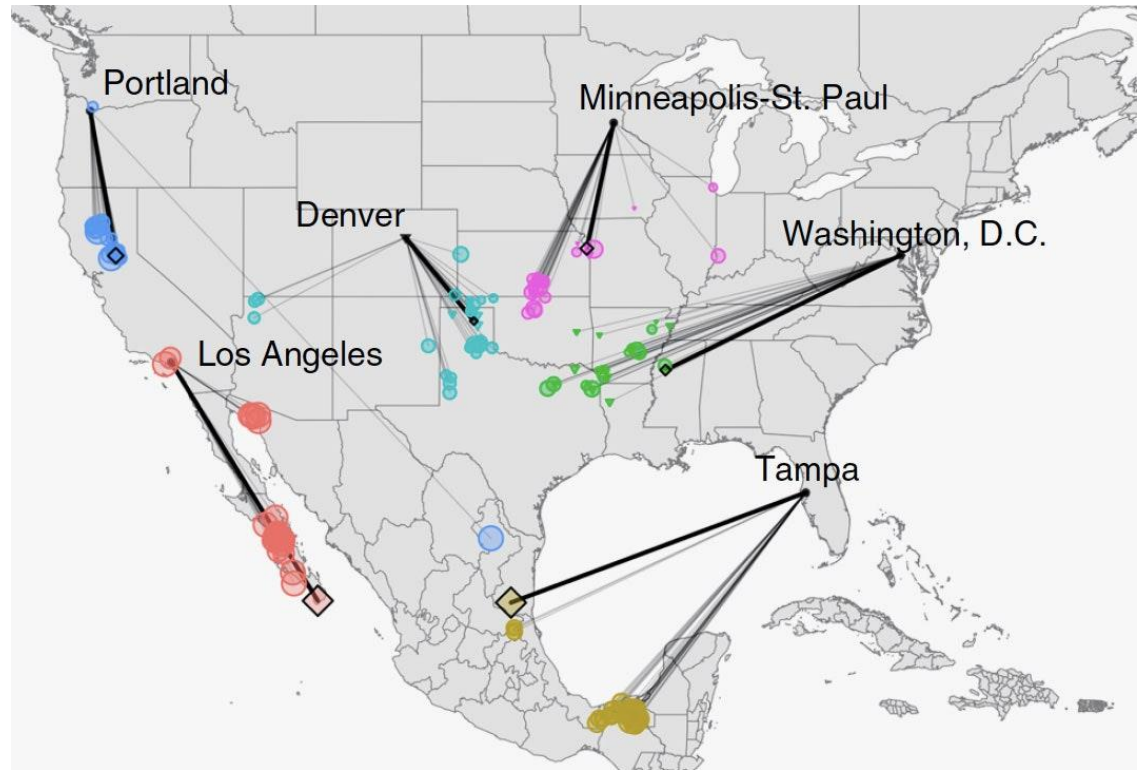
B

C

D



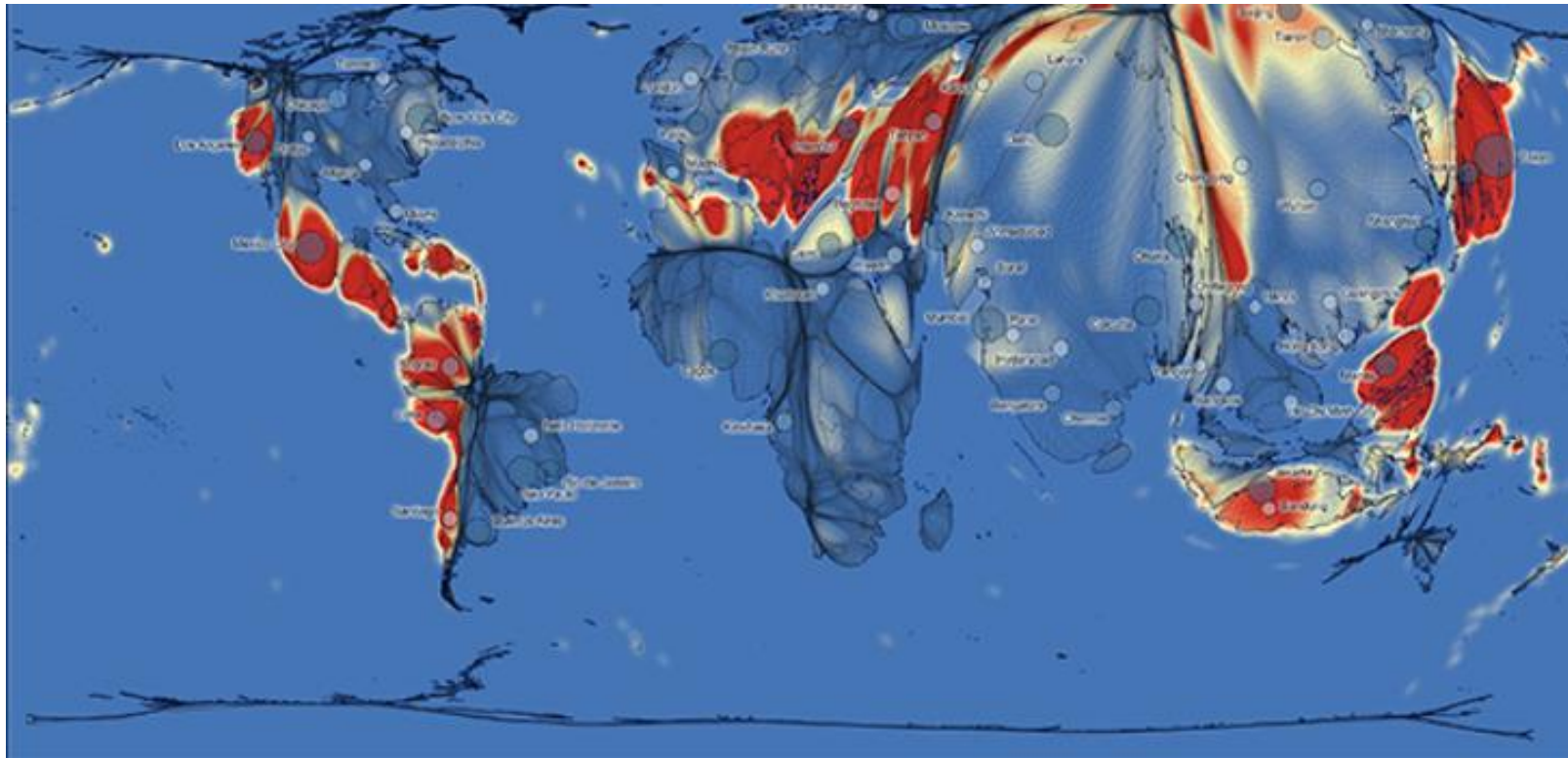
**Q 16** What is shown on this map?



- A** Cities with similar demographic composition in 2040
- B** Critical supply lines for dairy cattle feed in 2024
- C** Main areas of origin of non-native migrants before 1950
- D** Modern cities with climates similar to those expected in 2080

**Q 17**

**What is the most accurate title for this map?**



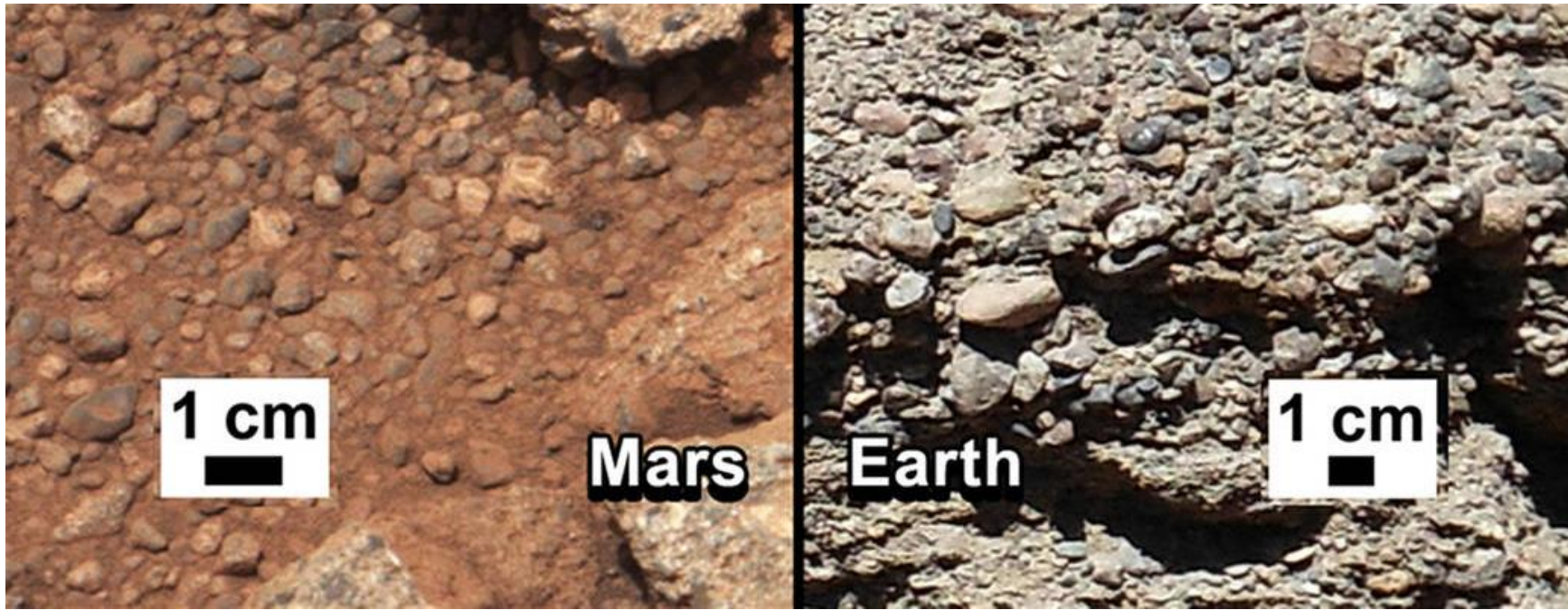
**A** Earthquake damage (cost) and mean age of population

**B** Earthquake frequency and gender distribution

**C** Earthquake hazard distribution and ageing population

**D** Earthquake intensity and population distribution

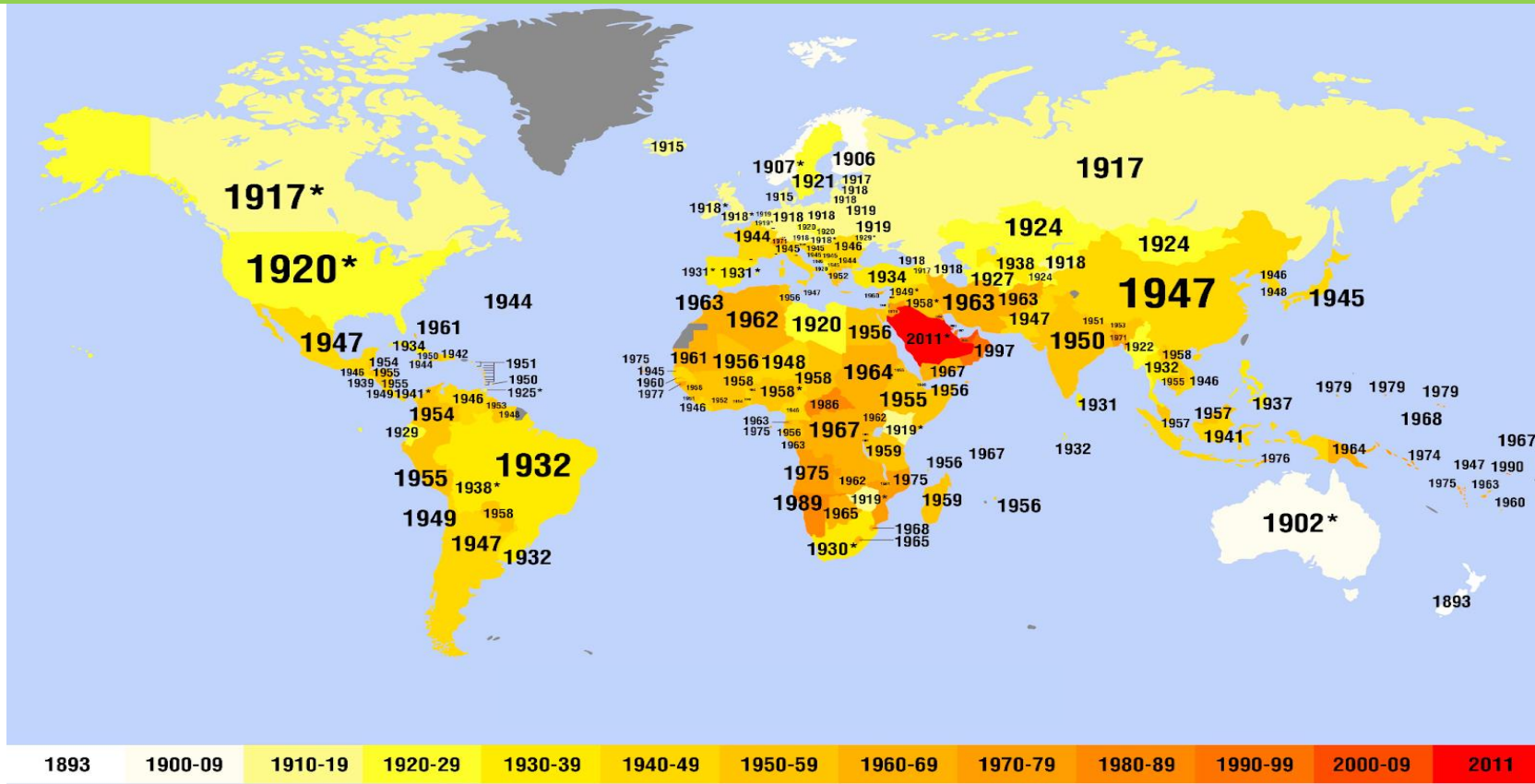
**Q 18** Which statement is true about these images from Mars and Earth?



- A** Both images show breccia rocks, indicating earthquake activity.
- B** Both images show conglomerate rocks, indicating an abundance of liquid.
- C** Both images show granite rocks, indicating volcanic activity.
- D** Both images show slate rocks, indicating contact metamorphism.

Q 19

What is shown on this map?



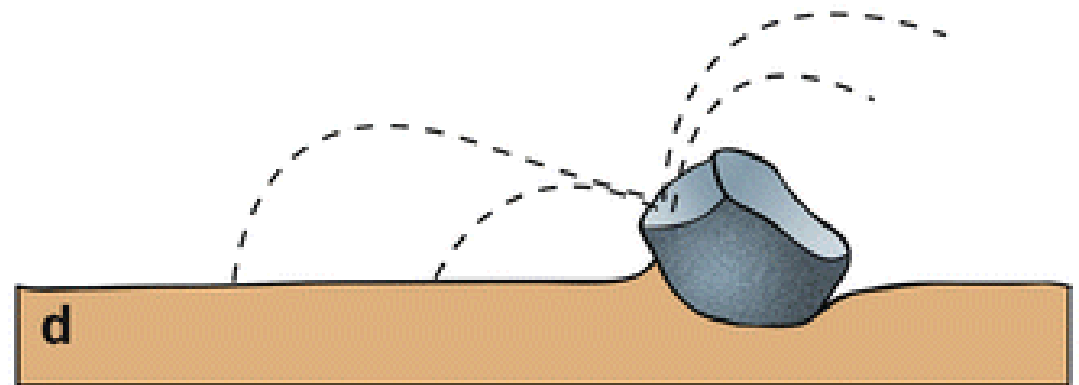
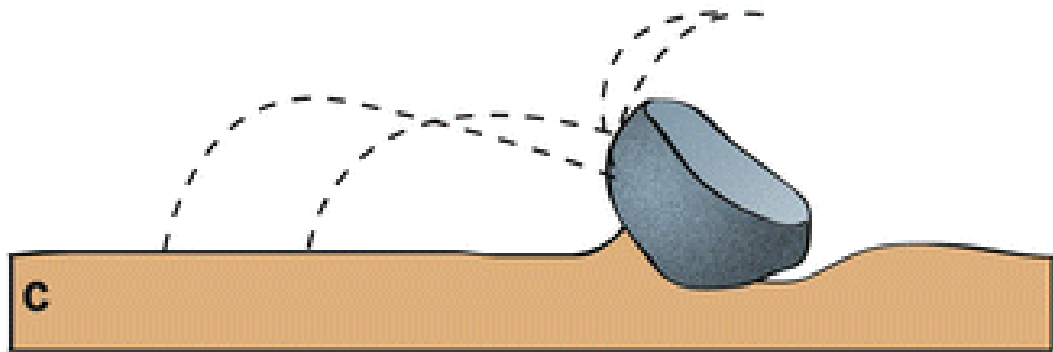
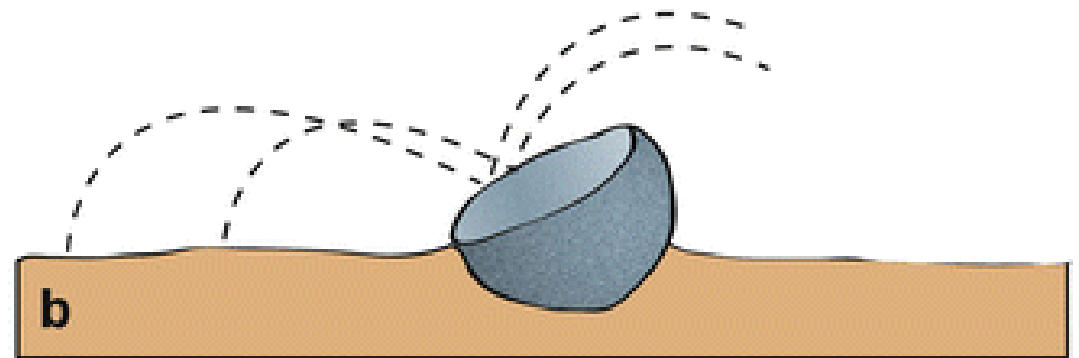
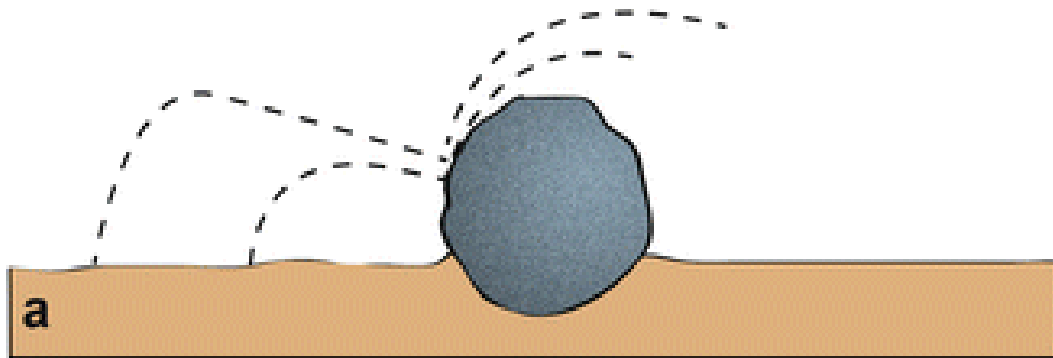
**A** Year that the population reached 10 million

**B** Year that 30% of the vegetation cover was removed

**C** Year the country produced 200 billion metric tons of CO2

**D** Year that women obtained the right to vote

**Q 20** Which landform is produced by the process shown?



**A** Erg

**B** Wadi

**C** Ventifact

**D** Yardang

Q 21

Which river pattern fits an anticlinal (dome) structure with alternating soft and hard layers?

A



B



C



D

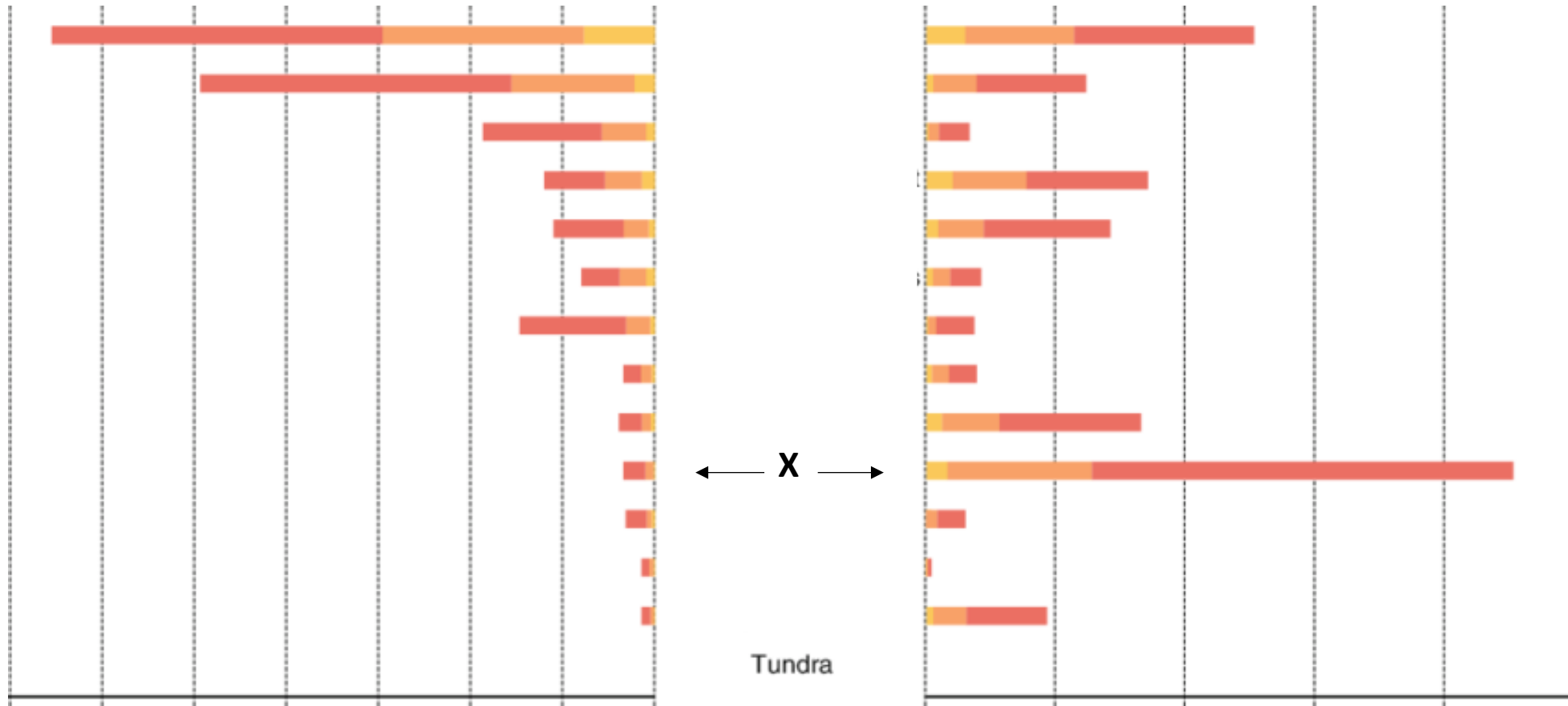




Q 22

Urban population by major habitat type ( left panel ) and % of urbanisation within each major habitat type ( right panel ).

Which landscape is marked "X"?



A

Mangroves

B

Taiga

C

Temperate broadleaf

D

Tropical moist forest

Q 23

What do these lines represent?



**A** High-speed internet cables

**B** Natural gas pipelines

**C** Refugee corridors

**D** Wheat transportation routes

Q 24

Which of the following is NOT a directly-related environmental challenge associated with road construction in Iguazu National Park?



A

Desertification

C

Loss of biodiversity

B

Habitat fragmentation

D

Soil erosion

**Q 25**

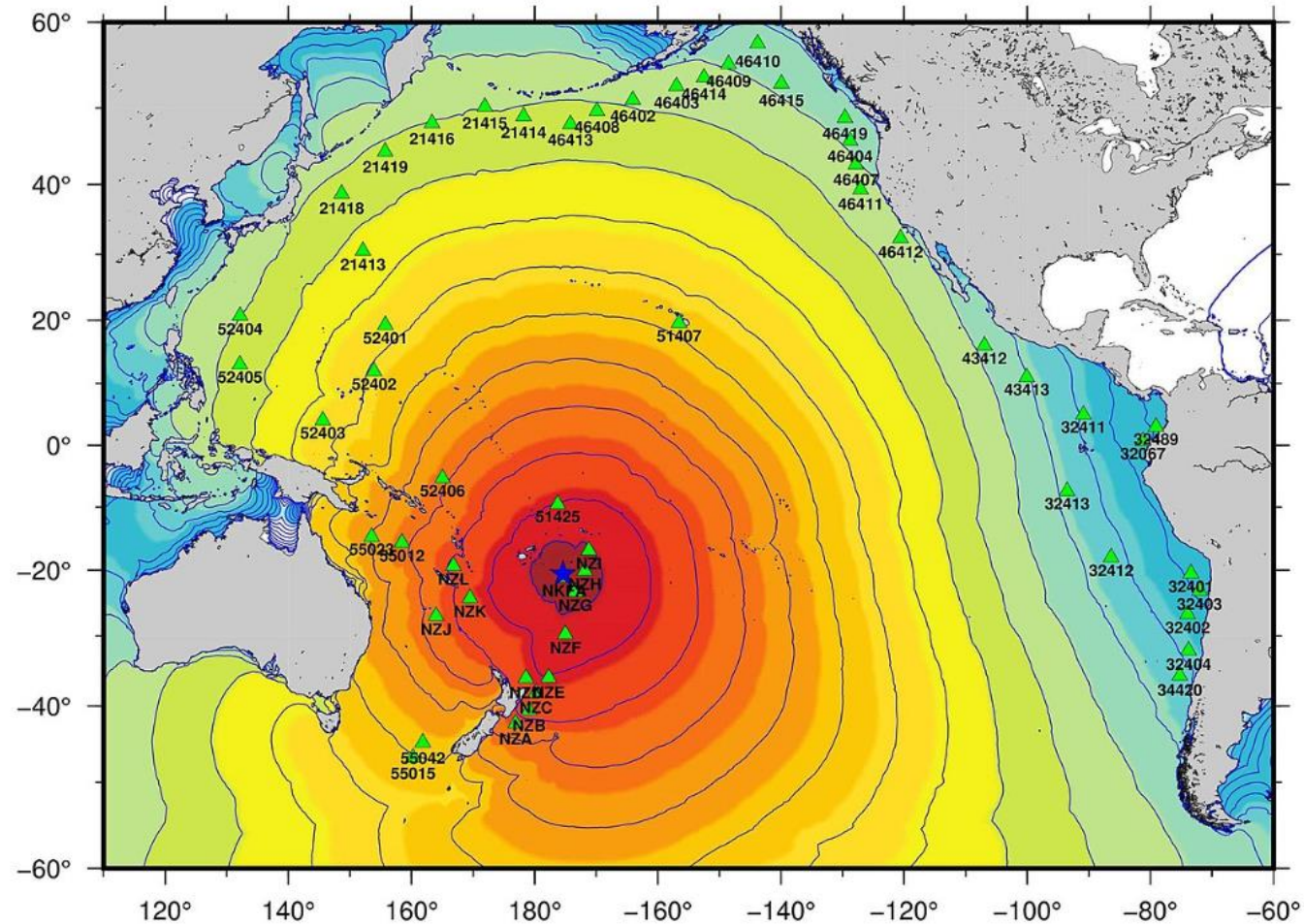
This contour map is generated from data recording a particular measurement after the 2022 Tonga eruption. Which of these is the measurement recorded?

**A** Hours between eruption and atmospheric pressure fluctuation

**B** Hours between eruption and tsunami arrival

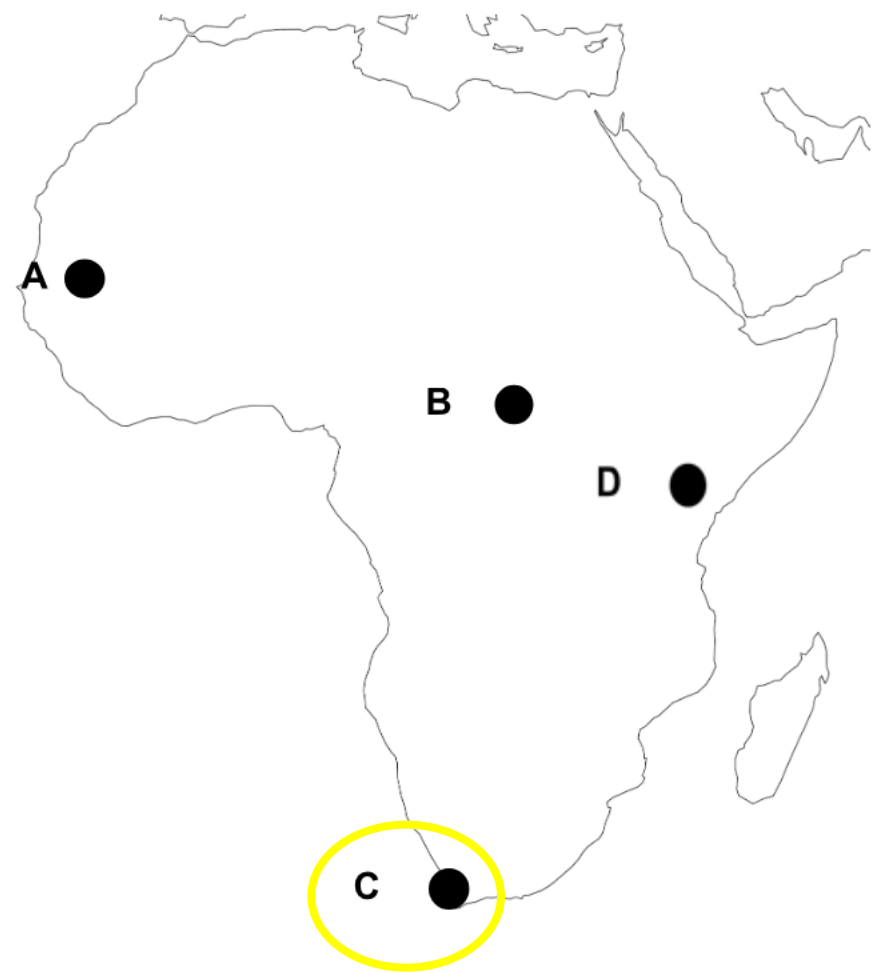
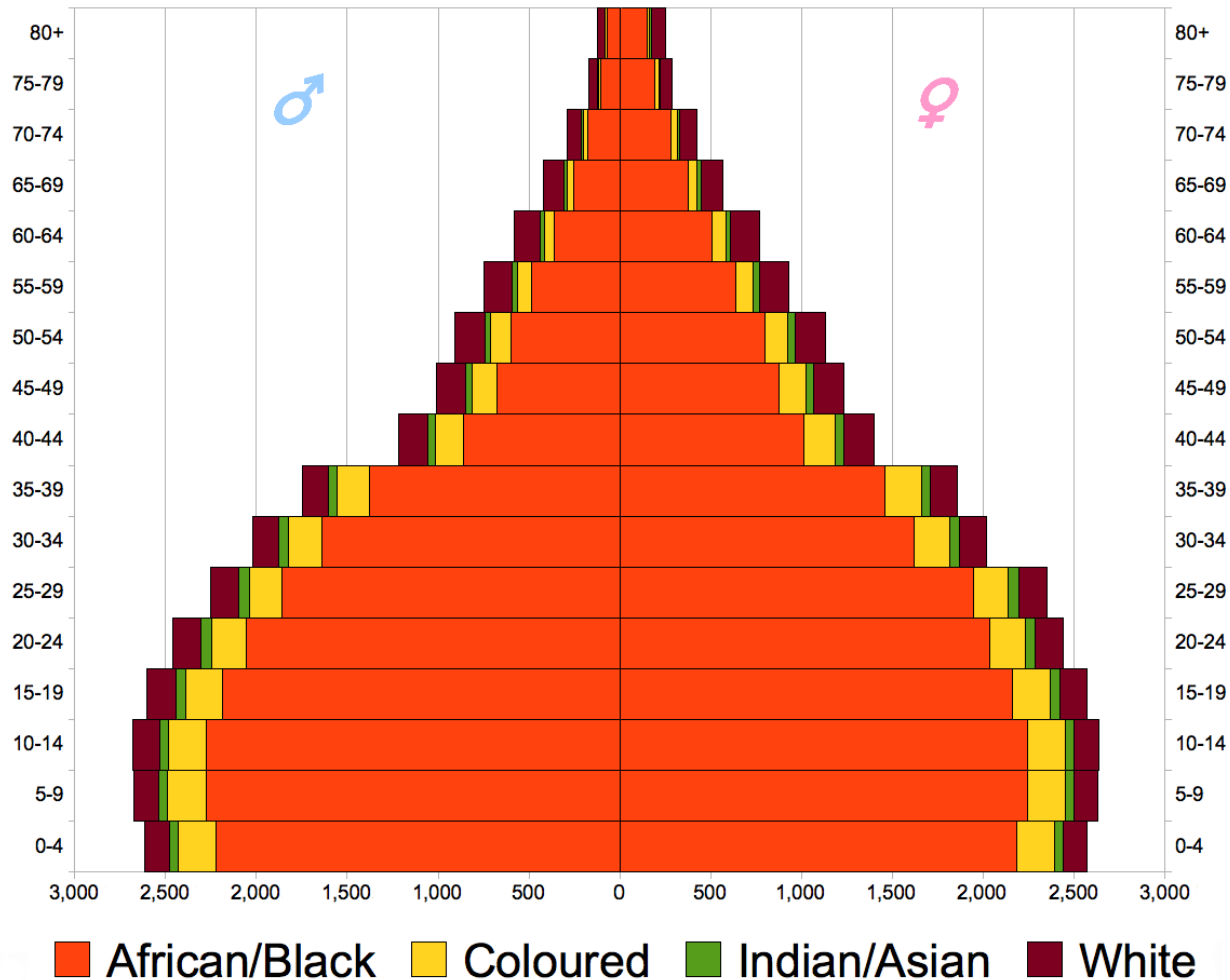
**C** Recorded volume of sound produced from shock wave

**D** Volume of ashes measured in troposphere



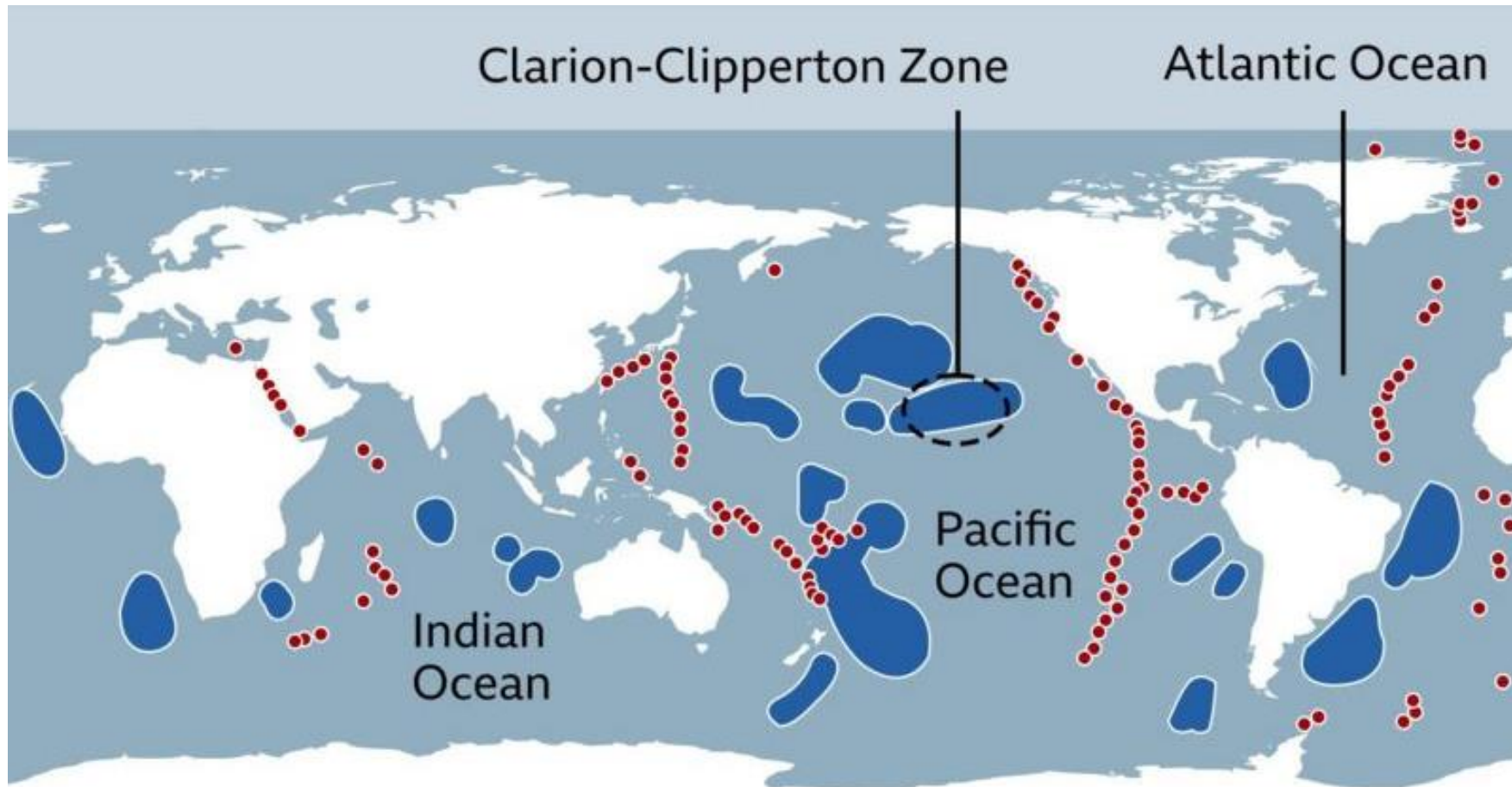
Q 26

Which point on the map is most likely to be represented by the national population pyramid shown?



Q 27

What do the blue and red areas represent on this map?



**A** Coral bleaching

**B** Deep-sea metals

**C** Marine plastic pollution

**D** Oil platforms

Q 28

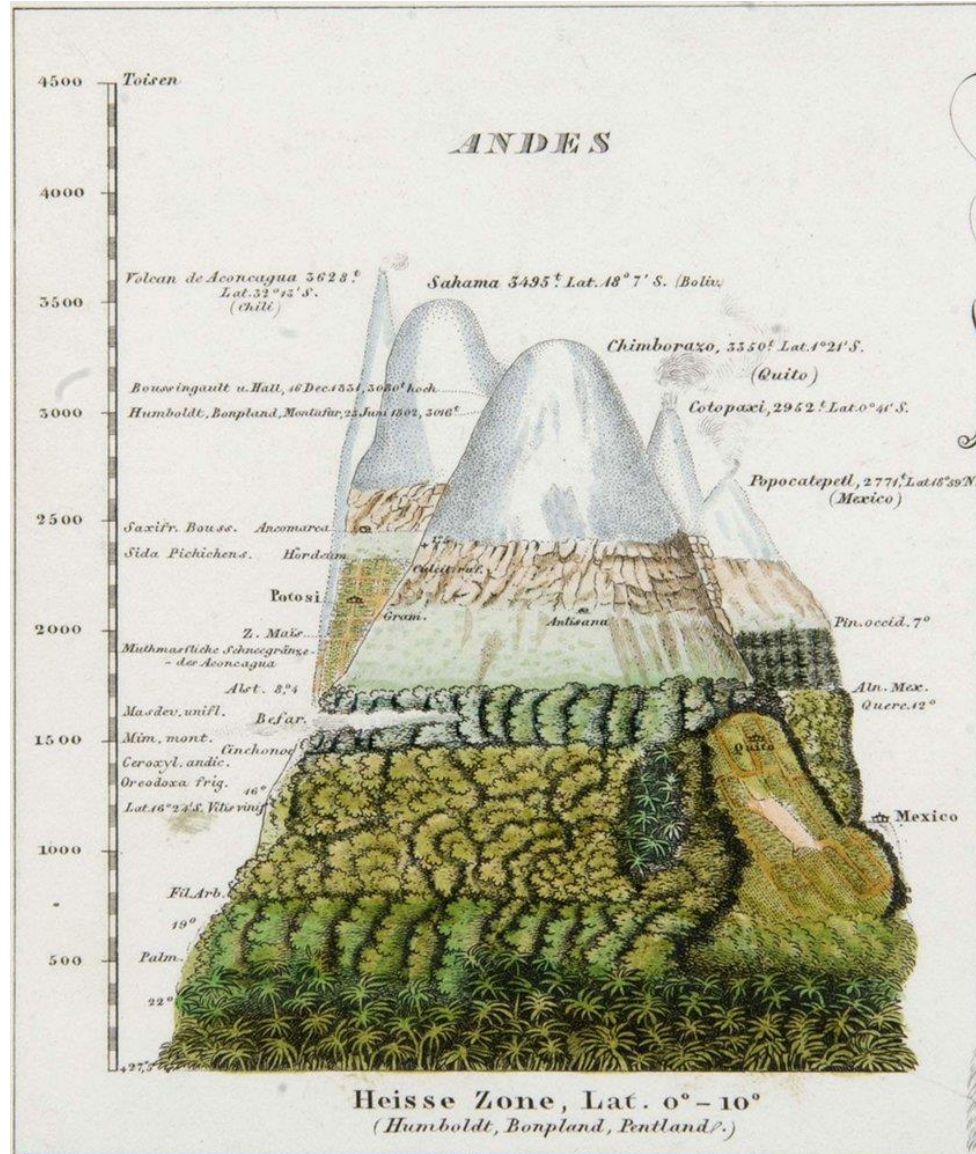
Which Köppen climate code is NOT shown in this diagram made by geographer Alexander von Humboldt?

A Af

B BW

C Cf

D ET



Q 29

What problem does this cartoon depict?

A Dollar-dependency of the world economy

B Gender inequality

C Inflation

D Money laundering

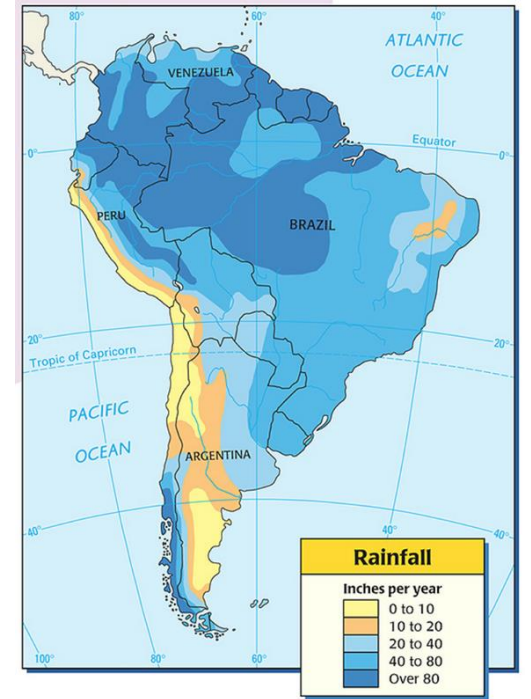
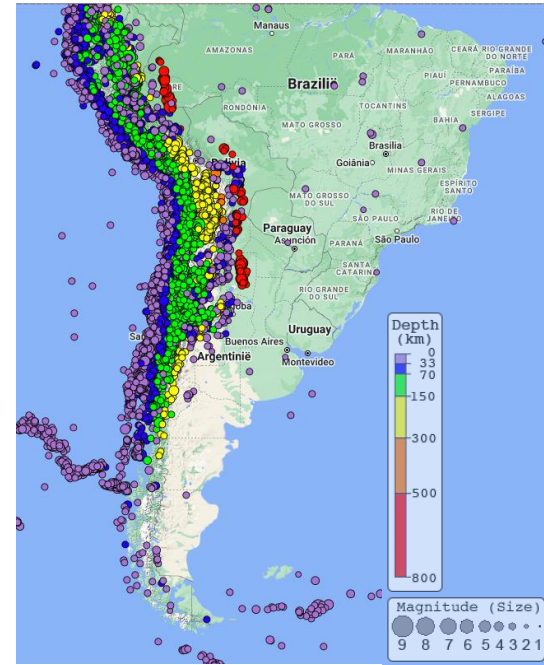
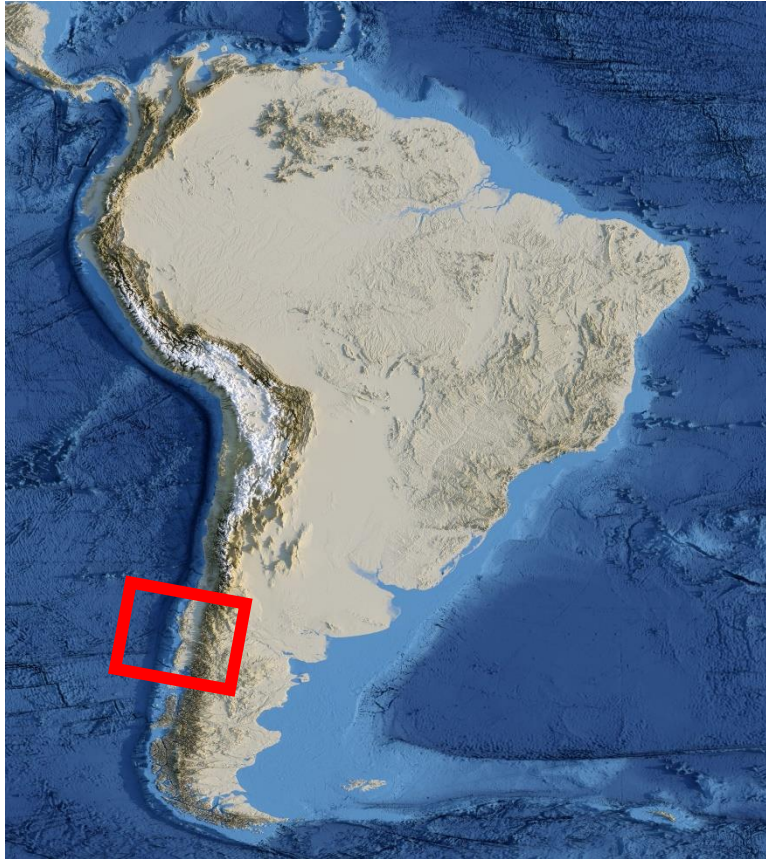
“...AND THIS IS THE FIRST 77¢ I’VE EVER EARNED.”





Q 30

What best explains the relative shallow trench in the red rectangular area?



**A** Flat subduction

**B** Slab pull

**C** Sedimentation

**D** Submarine volcanism

**Q 31**

Man-made white pyramids like the one shown in the image, are found in the high altitude desert region of Ladakh (India). They are known locally as 'Stupas'.  
**From which of the following materials are they made?**



**A** Chalk

**B** Ice

**C** Mining waste

**D** Salt

**Q 32**

**This physical landscape was mainly created by:**

**A** A river flowing over different types of rocks resulting in differential erosion.

**B** A river flowing into a volcanic caldera.

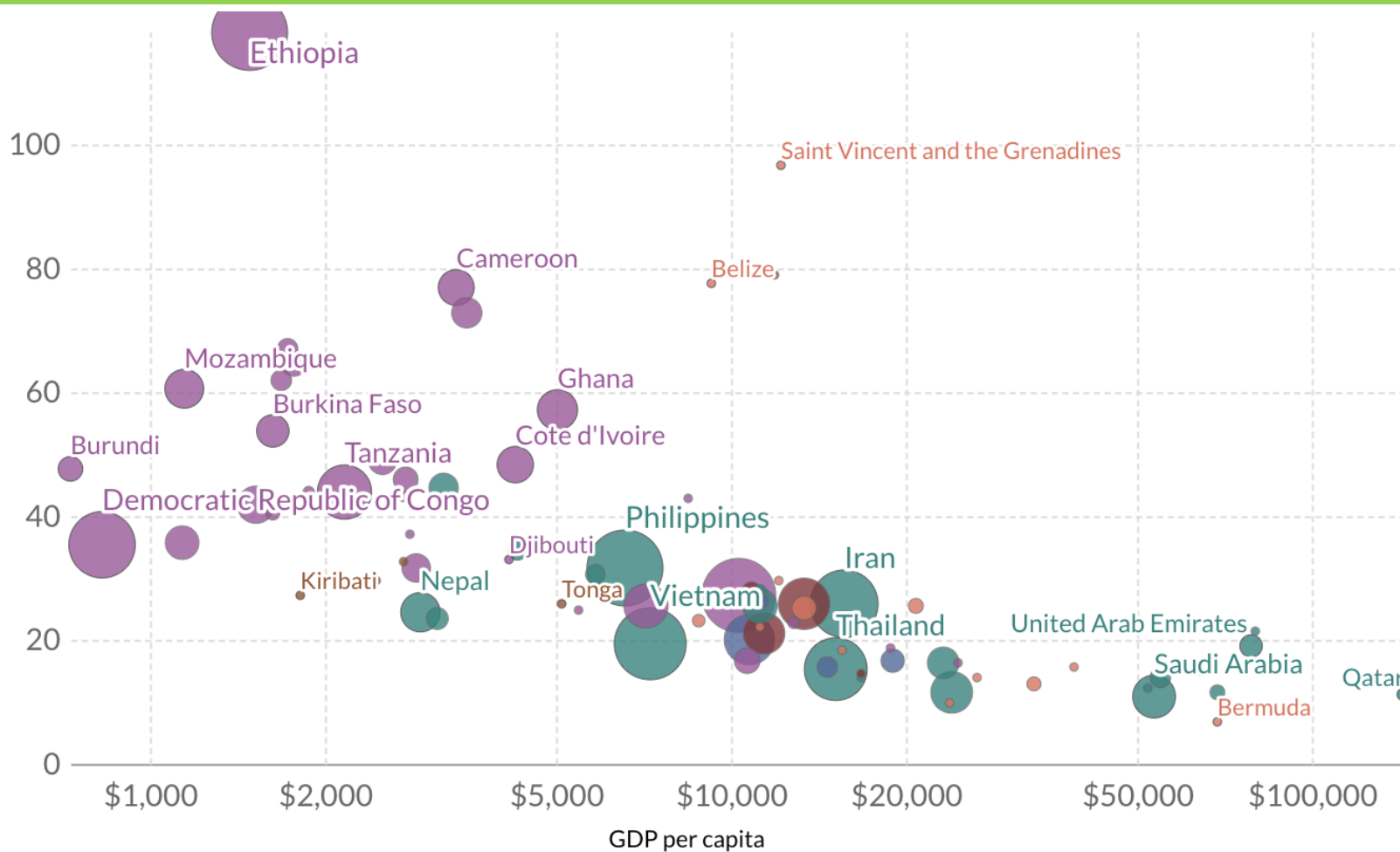
**C** An abandoned mine used for construction material.

**D** Tributary glaciers merging with a larger (main) glacier



Q 33

Which of the following is the correct label for the y-axis of the graph below?



**A** Share of domestic cereal supply allocated to human consumption

**B** Prevalence of malnutrition

**C** Pupil/qualified teacher ratio in primary education

**D** Under-5 mortality rate

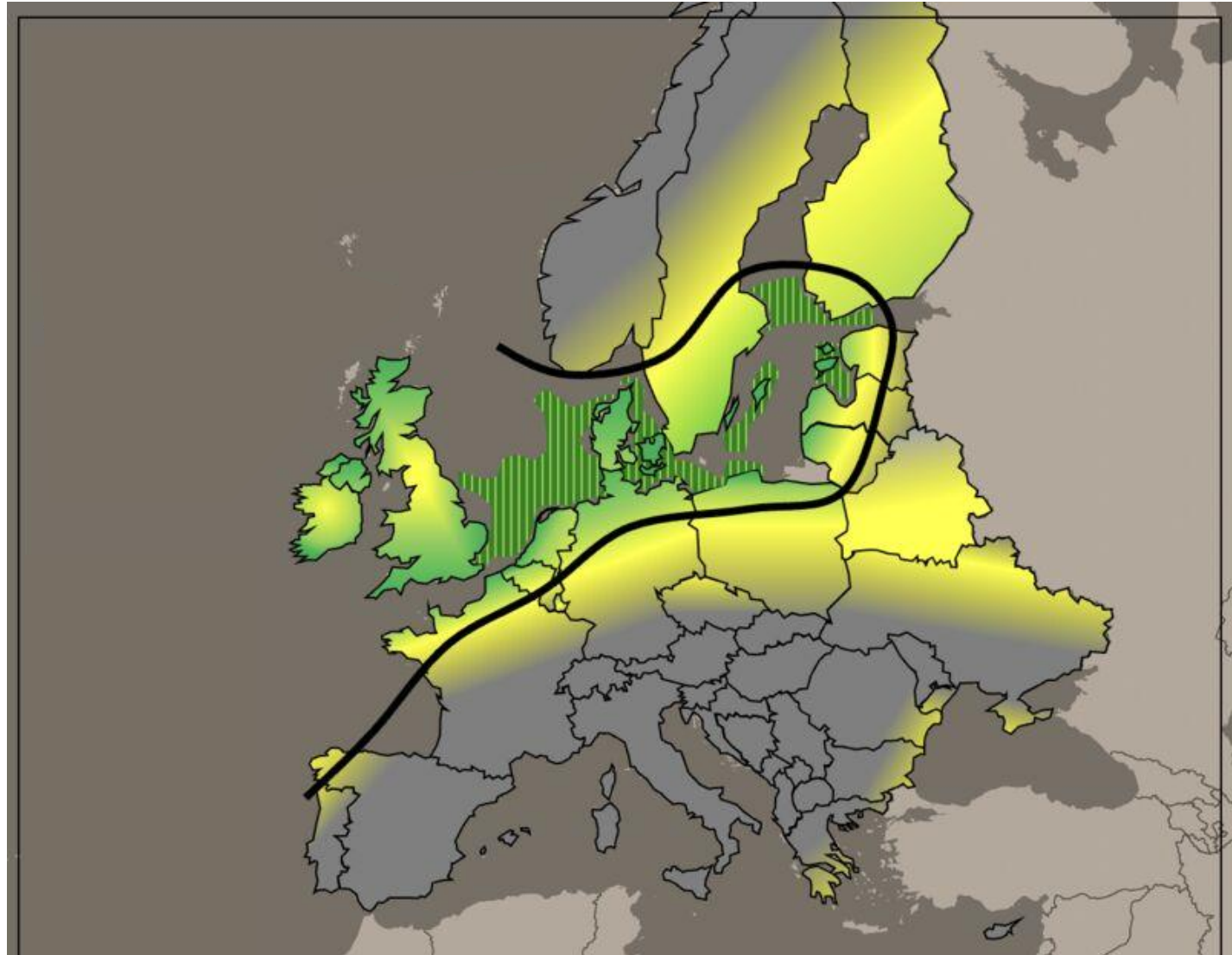
**Q 34** What is shown on this map?

**A** Floating solar panels potential

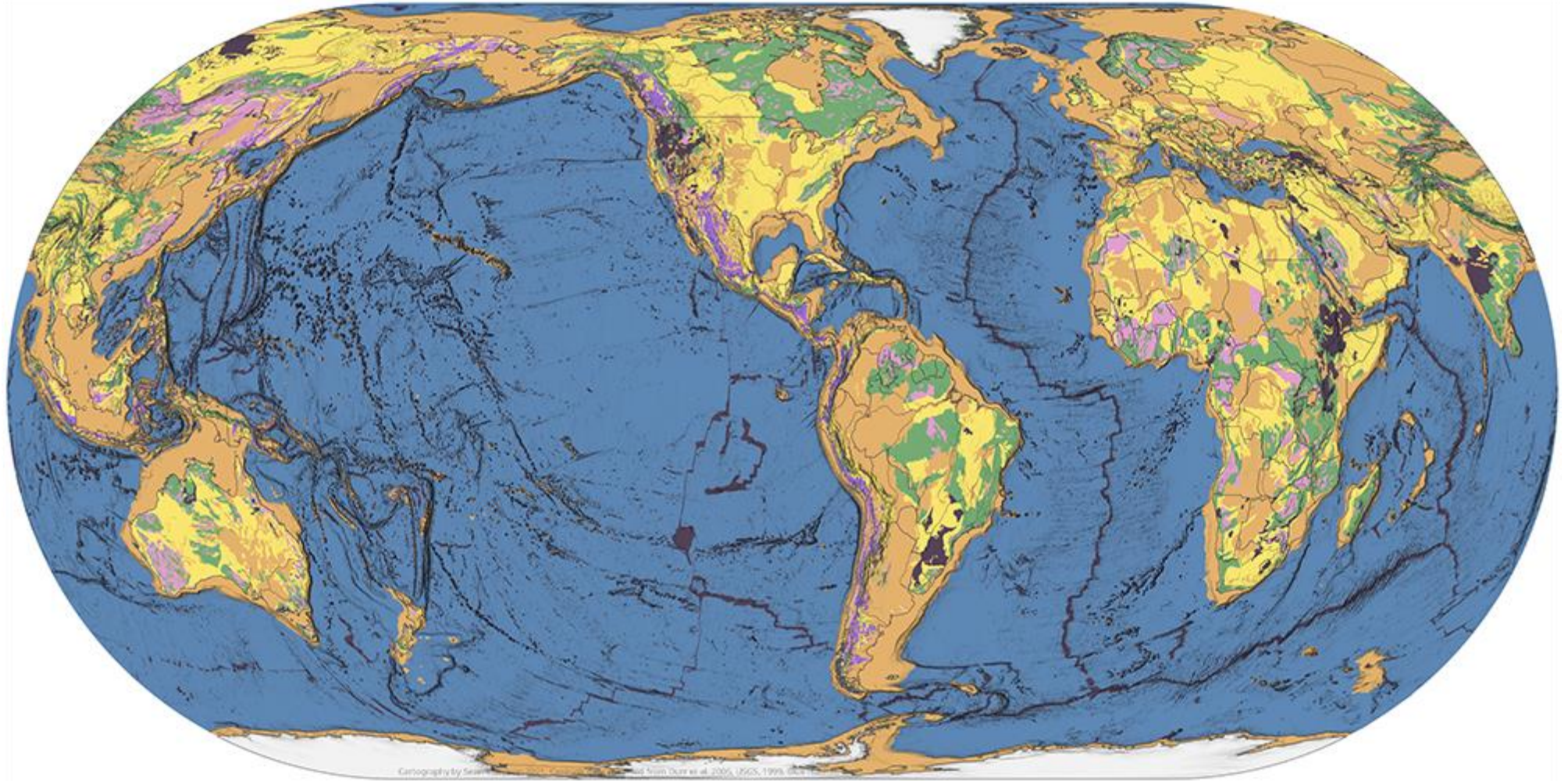
**B** Hydrogen energy potential

**C** Tidal energy potential

**D** Wind power potential



**Q 35** The following world map shows the distribution of...



**A** Agricultural productivity

**B** Natural biomes

**C** Rock types

**D** Soil types

Q 36

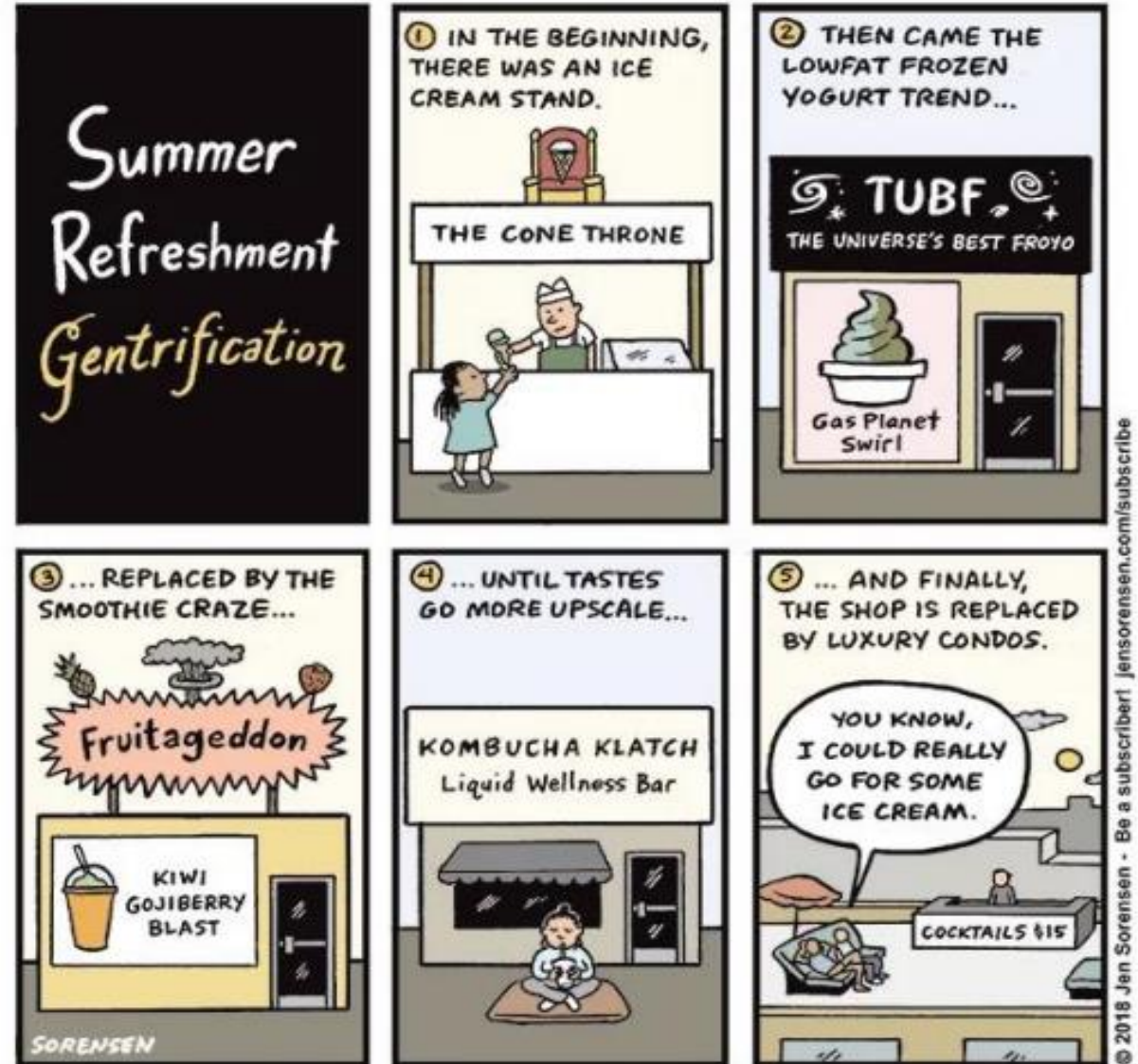
Which of the following is NOT an outcome of gentrification affecting the urban poor?

A New middle-class residents will make daily goods and services less affordable for poorer residents.

B Higher income newcomers raise rental costs, displacing original residents.

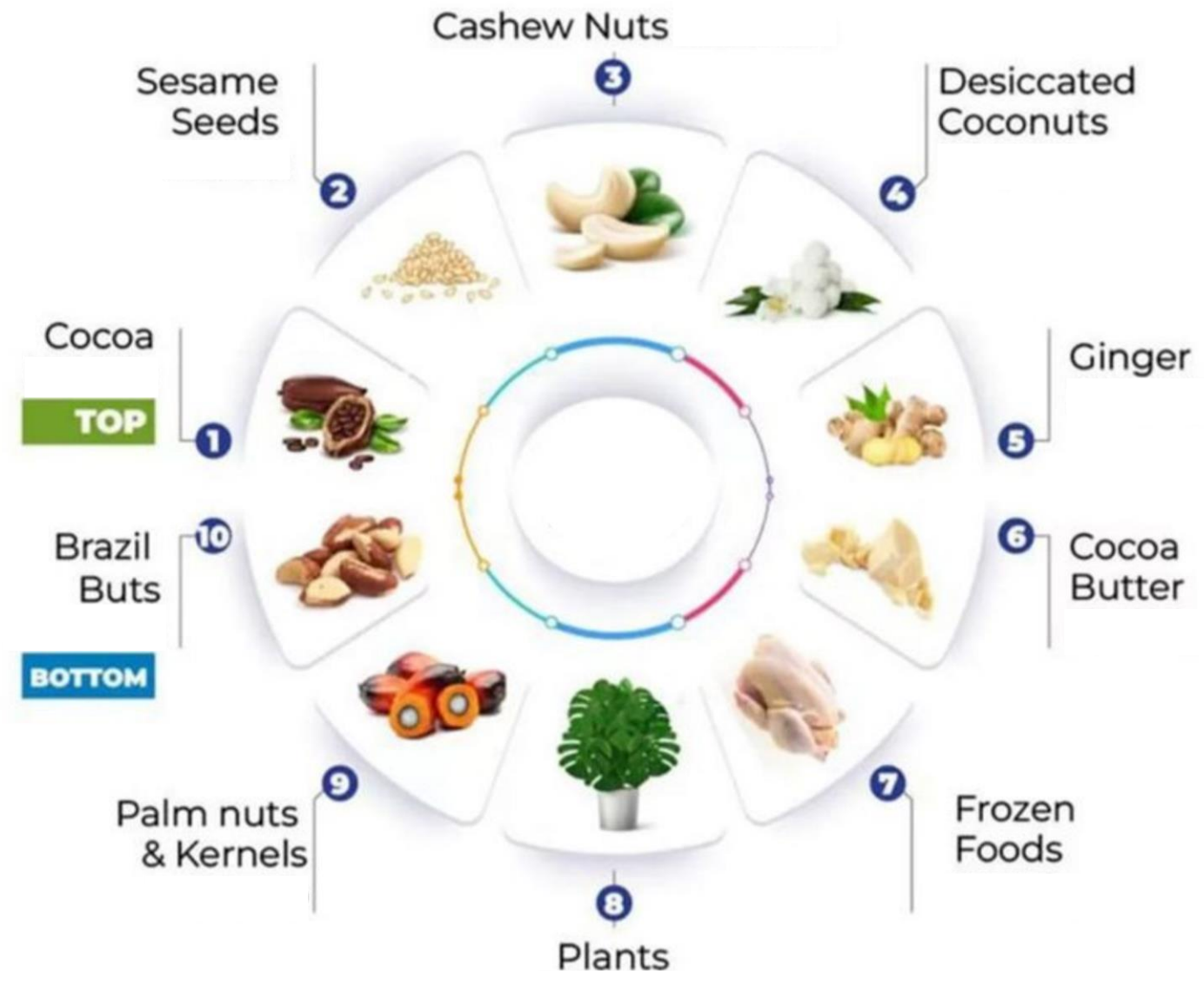
C More businesses boost the local economy and improve employment opportunities.

D Upscale food establishments increase food variety and accessibility for the urban poor.



**Q 37** Which country exported these agricultural goods?

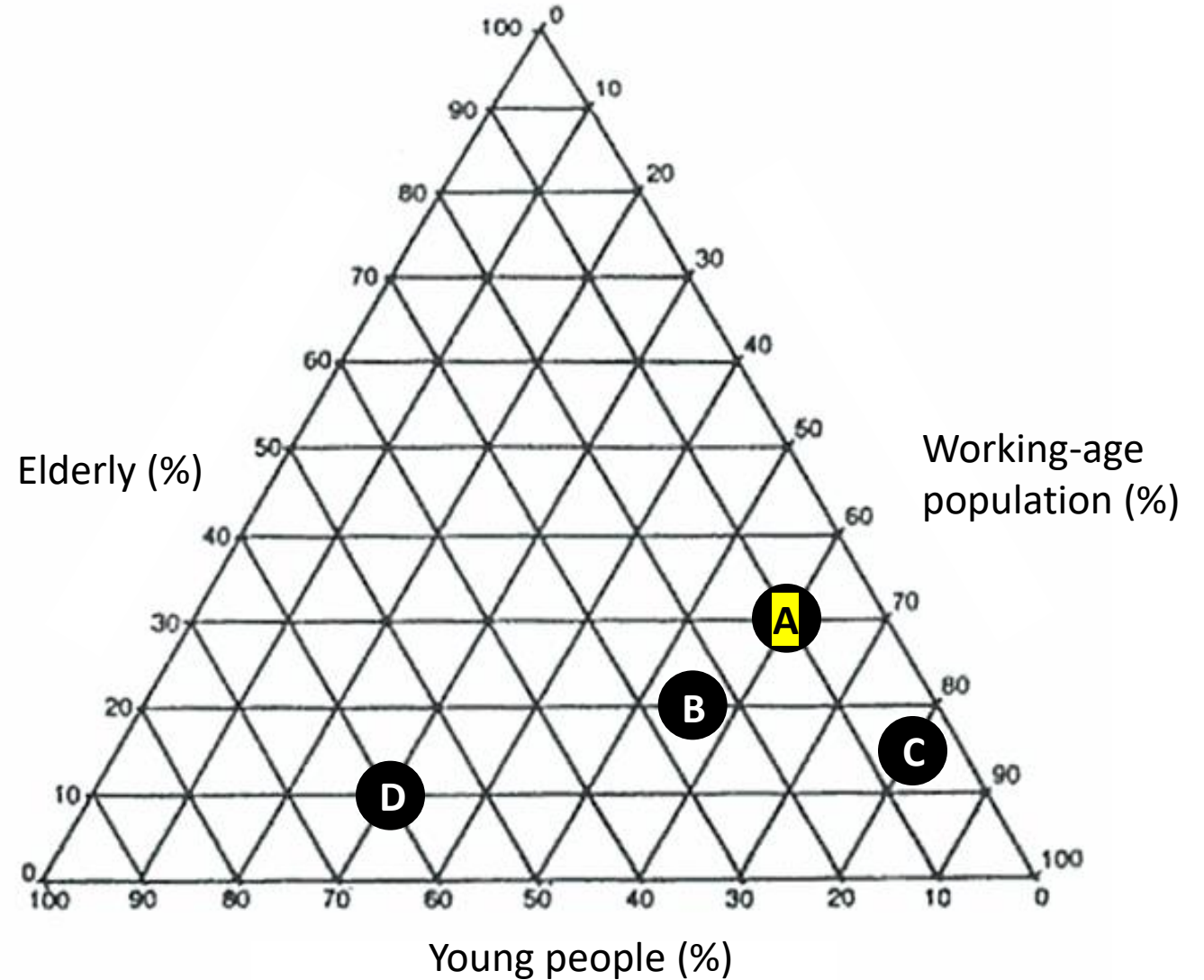
- A** Chad
- B** Egypt
- C** Morocco
- D** Nigeria



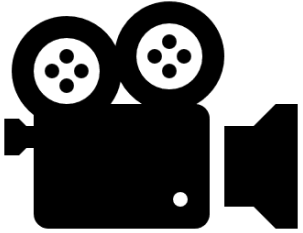


Q 38

Which country's population has the highest potential for 'Silver tourism'?



**Q 39** This laboratory experiment shows the effect of \_\_\_\_\_ on wave height?



**A** Wind turbulence

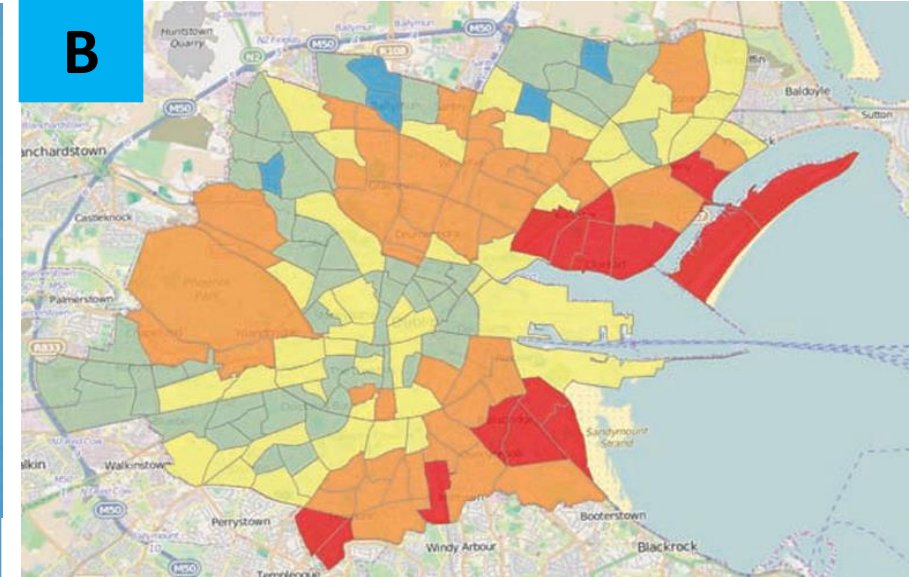
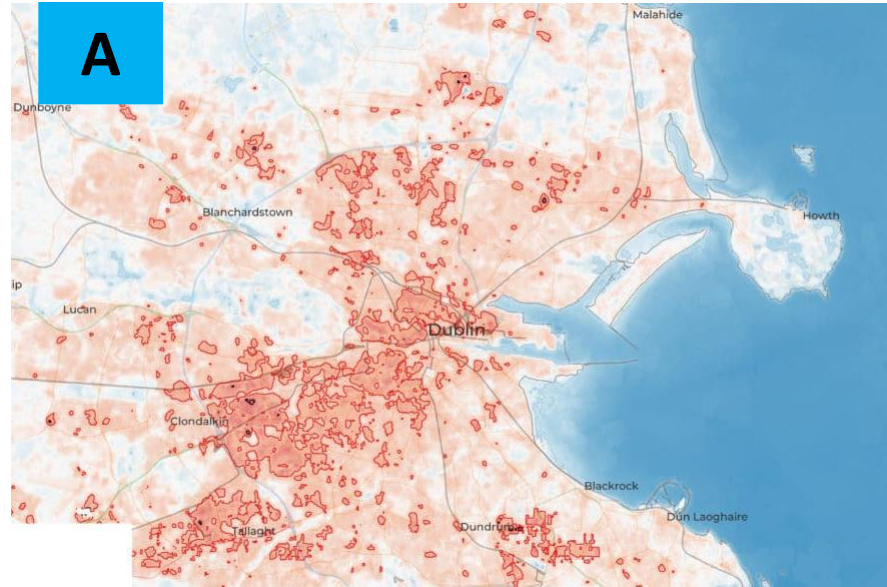
**B** Wind duration

**C** Wind fetch

**D** Wind speed



**Q 40** Which map shows the urban heat island effect for Dublin, Ireland?



**A**

**B**

**C**

**D**

## The last slide

- You have reached **the last slide** of the Multimedia Test.
- Click on the arrow (↑ ←) to go back to the previous page(s) if you want to check your answers.
- **For fast navigation:**
  - Click [here](#) to go back to question 1
  - Click [here](#) to go back to question 10
  - Click [here](#) to go back to question 20
  - Click [here](#) to go back to question 30
- **Wait silently until the time is over.**  
**DO NOT CLICK ON THE ESCAPE BUTTON, AS THAT ENDS THE PRESENTATION.**

*The End*