

Write your name here

Surname

Other names

**Pearson Edexcel**  
**International**  
**Advanced Level**

Centre Number

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Candidate Number

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# Geography

**International Advanced Subsidiary**  
**Paper 1: Global Challenges**

Tuesday 16 May 2017 – Afternoon

**Time: 1 hour 45 minutes**

Paper Reference

**WGE01/01**

**You must have:**

Resource Booklet (enclosed)

Total Marks

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## Instructions

- Use **black** ink or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions in Section A. Answer **either** Question 5 **or** Question 6 in Section B.
- Answer the questions in the spaces provided  
– *there may be more space than you need.*
- Calculators may be used.

## Information

- The total mark for this paper is 90.
- The marks for **each** question are shown in brackets  
– *use this as a guide as to how much time to spend on each question.*

## Advice

- Read each question carefully before you start to answer it.
- Check your answers if you have time at the end.

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SECTION A

You must use the Resource Booklet.

Answer ALL questions in this section. Write your answers in the spaces provided.

Some questions must be answered with a cross in a box ☒. If you change your mind about an answer, put a line through the box ☒ and then mark your new answer with a cross ☒.

1 Study Figure 1 in the Resource Booklet.

(a) (i) Identify the global region with the highest risk from all hydro-meteorological hazards.

(1)

- A North America
- B South Asia
- C Oceania
- D Europe

(ii) Describe the pattern of risk from all hydro-meteorological hazards in **Africa**.

(2)

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(iii) Explain **one** physical cause of drought in the area labelled X on Figure 1.

(2)

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2 Study Figure 2 in the Resource Booklet.

(a) Carbon dioxide is a greenhouse gas.

(i) Name **one** other greenhouse gas.

(1)

(ii) Compare the carbon dioxide emissions in 1993 to those in 2013 shown in Figure 2.

(4)

(iii) Suggest **one** possible explanation for the changes to the emissions shown in Figure 2 for the following countries:

(4)

Germany

China





3 Study Figure 3 in the Resource Booklet.

(a) (i) Identify the correct statement about the origin of the 787 aircraft parts shown in Figure 3.

(1)

- A** Most components are made in Japan.
- B** Most components are made in emerging countries.
- C** Most components are made in developed countries.
- D** Most components are made by Boeing.

(ii) Suggest **one** way that Boeing and supplier TNCs might use the internet to manage the production of the 787 aircraft.

(2)

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(iii) Explain **one** way that aircraft like the 787 contribute to globalisation.

(2)

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4 Study Figure 4 in the Resource Booklet.

(a) (i) Name the country with the lowest percentage urban population. (1)

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(ii) Describe the relationship between annual income per capita and percentage urban population shown in Figure 4. (3)

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(iii) Suggest **one** possible cause of the relationship shown in Figure 4. (2)

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(b) Explain the negative impacts of urbanisation on surrounding rural areas. (3)

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P 5 1 7 6 1 A 0 1 1 2 0

(b) Assess the extent to which prediction and monitoring technology can help reduce the impacts of natural disasters.

(20)

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(Total for Question 5 = 30 marks)





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(b) Assess the costs and benefits of globalisation for workers in both developed and developing countries.

(20)

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**(Total for Question 6 = 30 marks)**

**TOTAL FOR SECTION B = 30 MARKS**  
**TOTAL FOR PAPER = 90 MARKS**



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**Pearson Edexcel**  
International Advanced Level

# Geography

**International Advanced Subsidiary**  
**Paper 1: Global Challenges**

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**Resource Booklet**

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**Do not return this Resource Booklet with the question paper.**

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SECTION A

The following resource relates to Question 1.

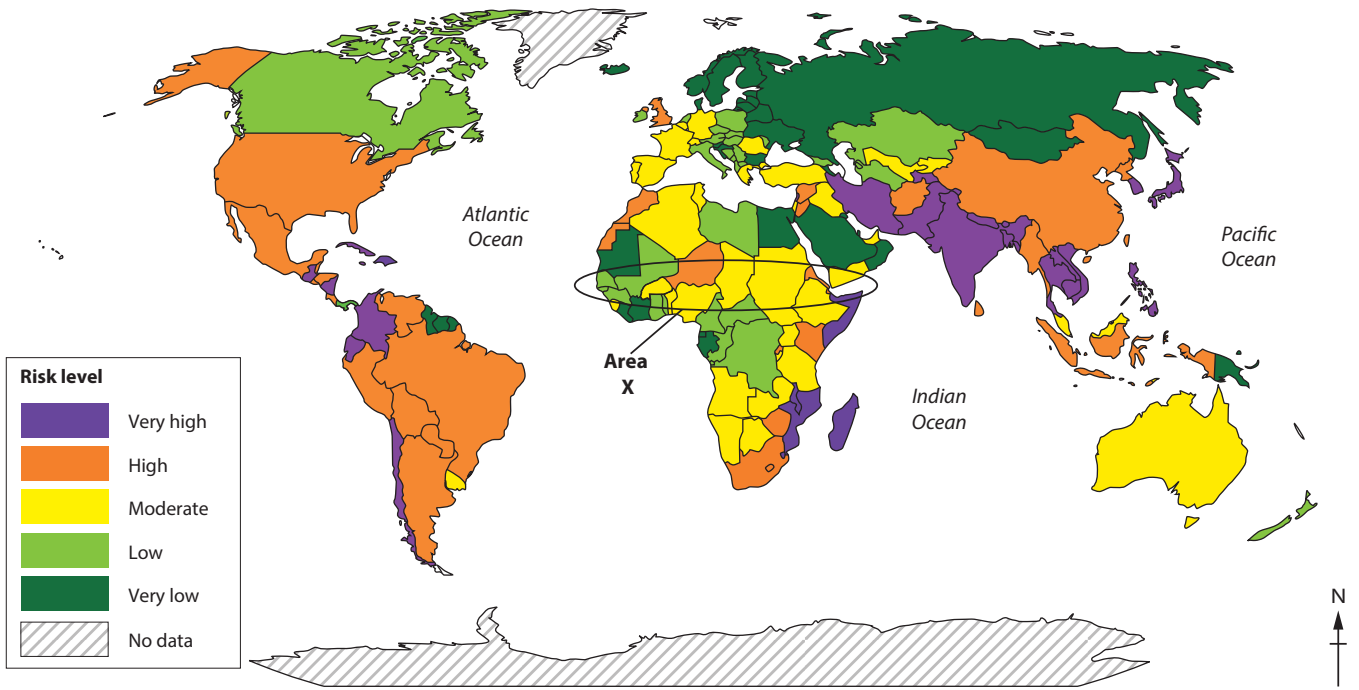
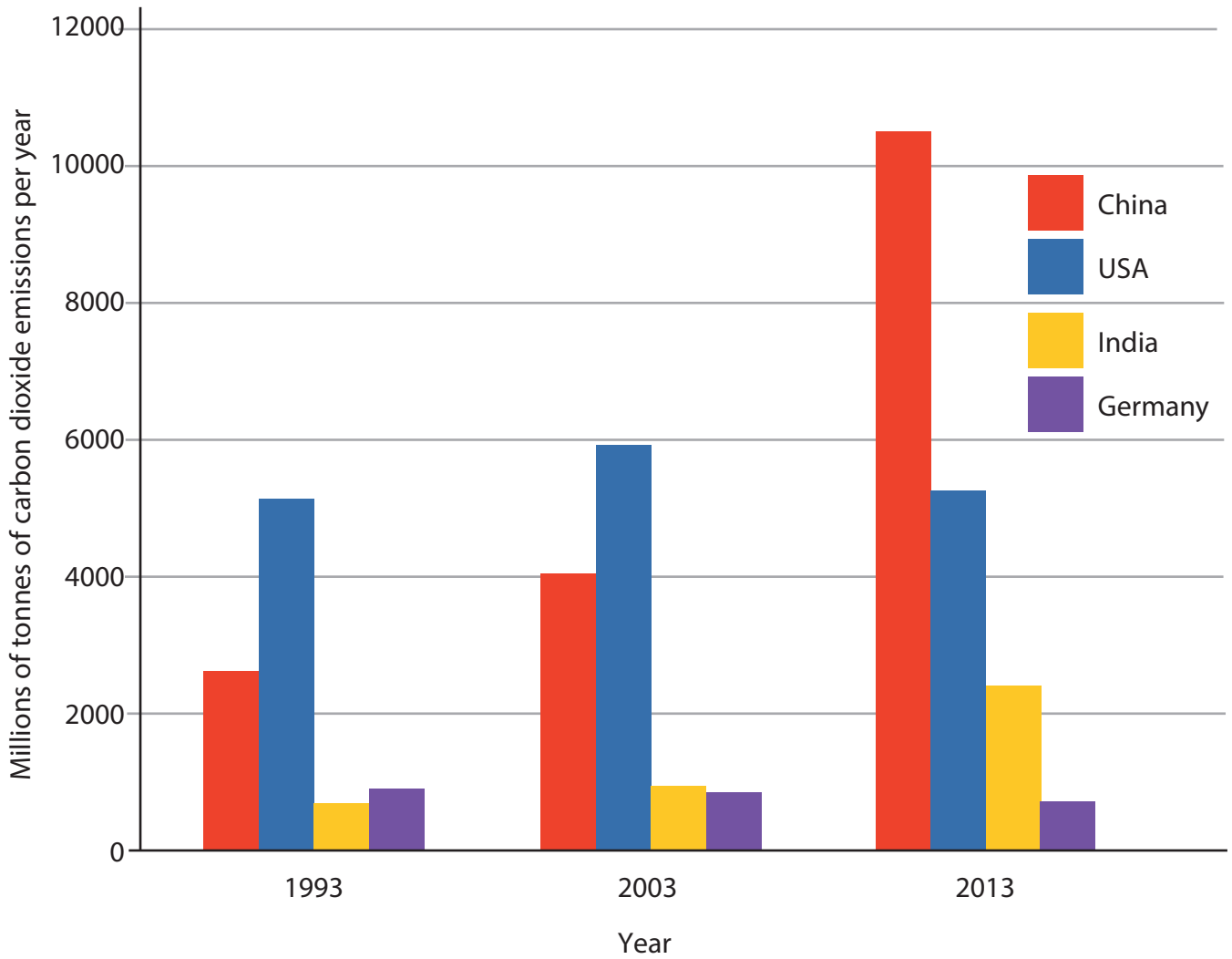


Figure 1

Risk level from all hydro-meteorological hazards (floods, droughts and cyclones)

The following resource relates to Question 2.



**Figure 2**

Total carbon dioxide emissions for four countries

The following resource relates to Question 3.

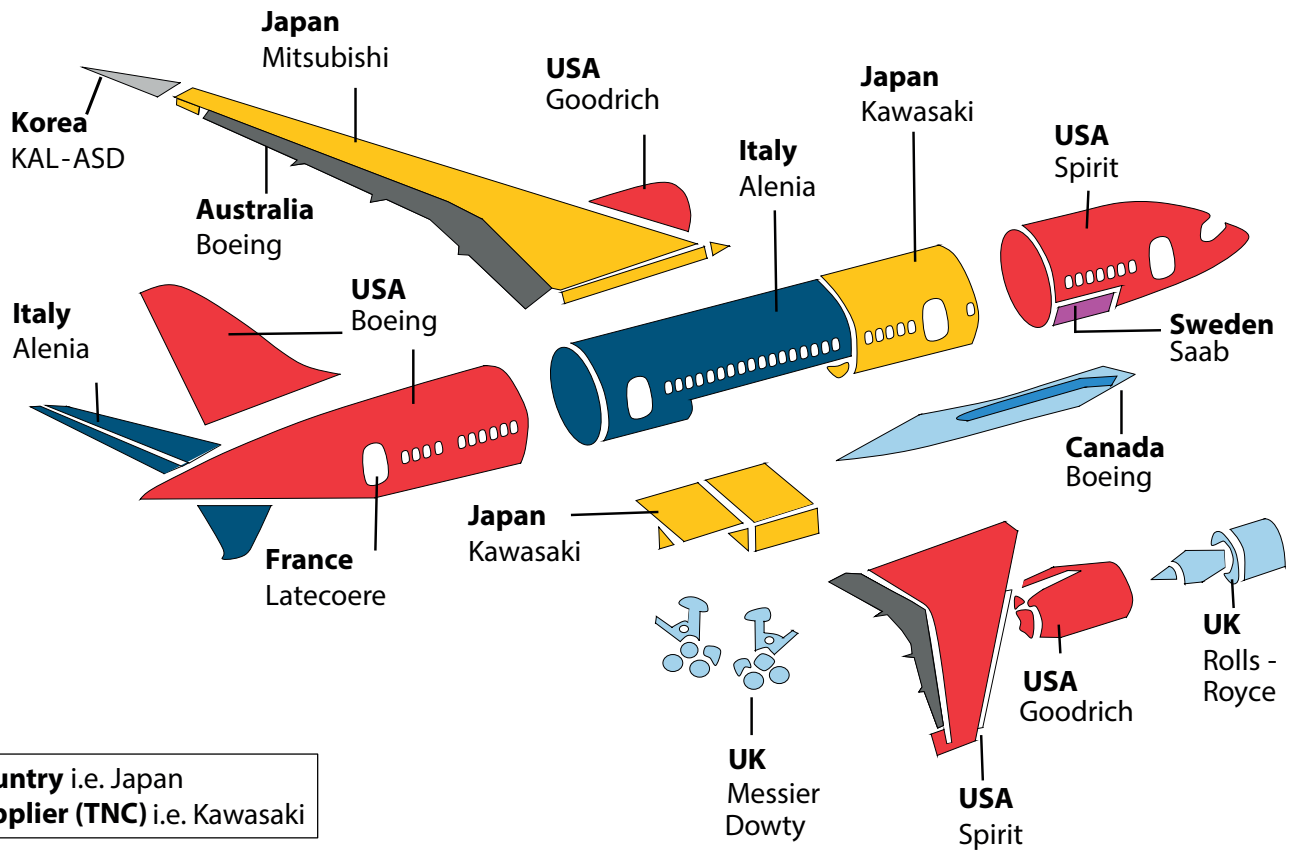


Figure 3

The origin of parts for the USA-based Boeing 787 jet passenger aircraft



The following resource relates to Question 4.

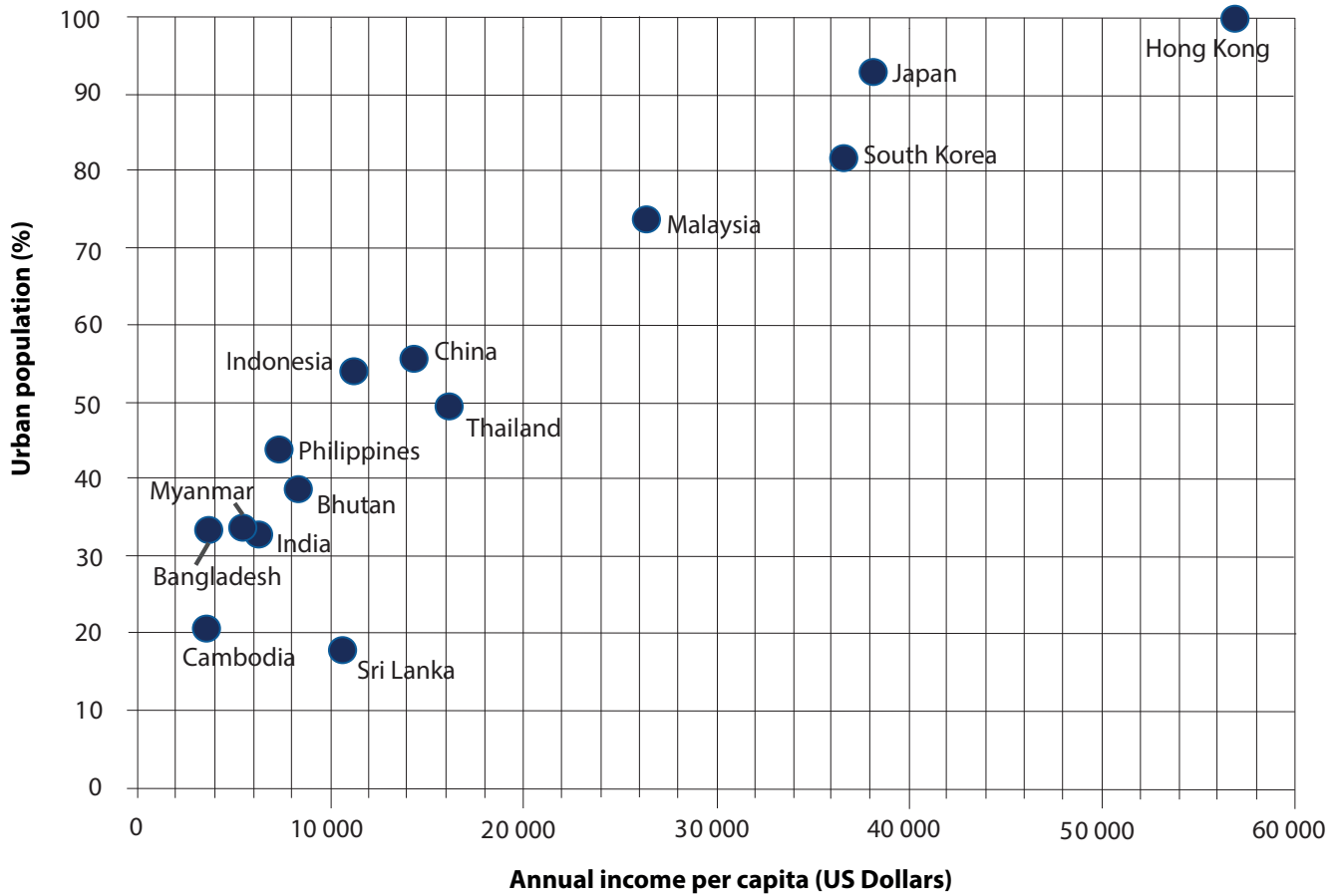
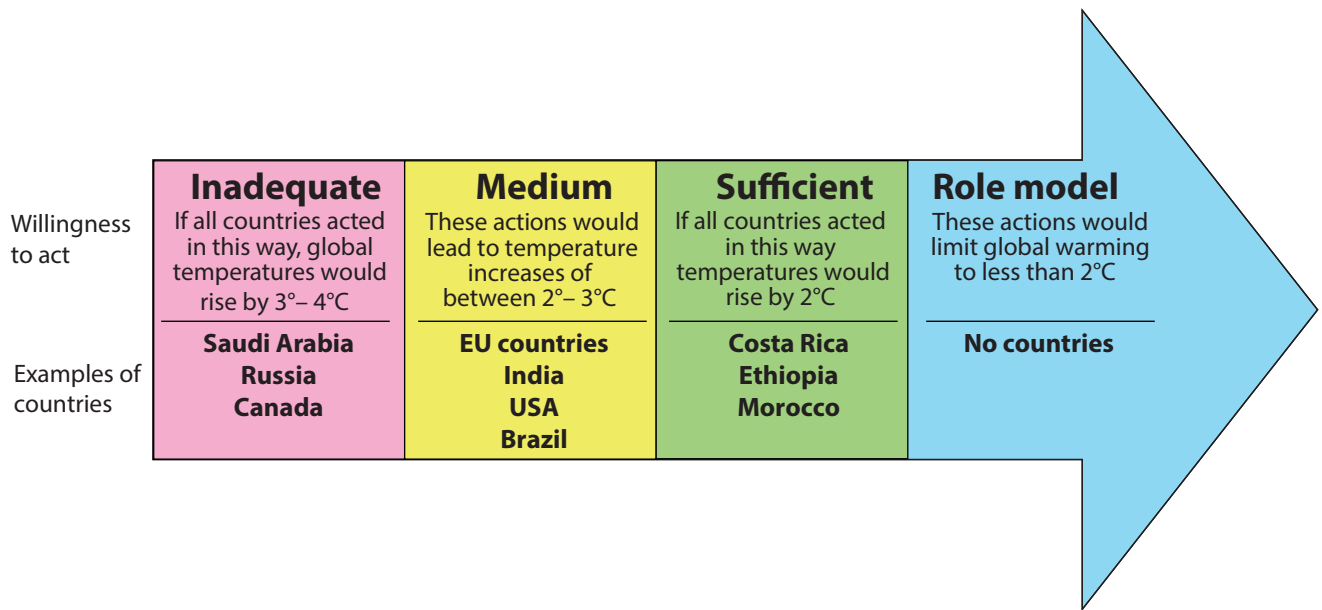


Figure 4

A scattergraph showing annual income per capita and urban population

**SECTION B**

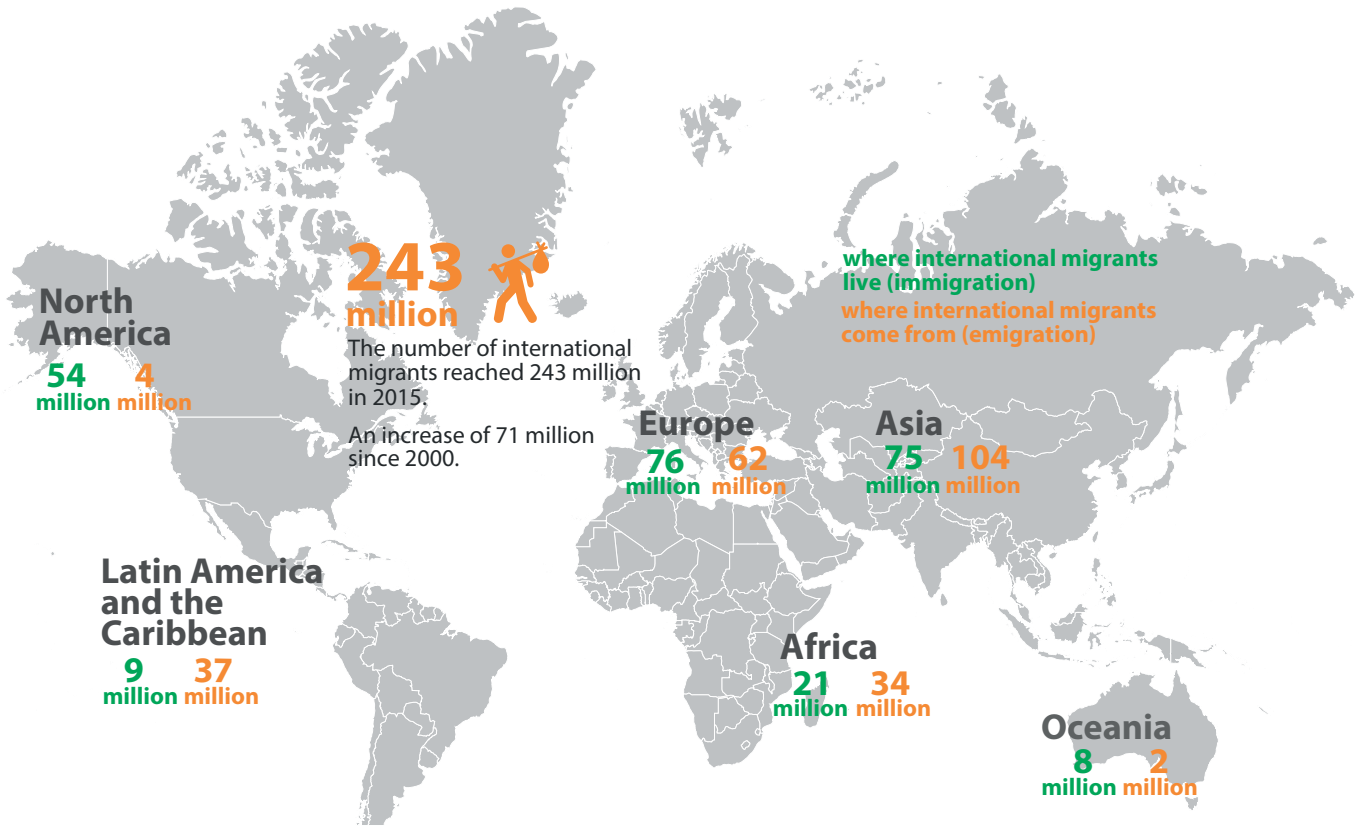
**The following resource relates to Question 5.**



**Figure 5**

Willingness to act to reduce emissions at the 2015 Paris climate change summit

The following resource relates to Question 6.



**Figure 6**

The number of international migrants in 2015

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