

Paper Reference 4GE1/02
Pearson Edexcel
International GCSE (9–1)

Geography

PAPER 2: Human geography

Wednesday 5 June 2024 – Morning

Time: 1 hour 45 minutes

Resource Booklet

**DO NOT RETURN THIS RESOURCE BOOKLET WITH
THE QUESTION PAPER.**

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For some Figures there is a modified colour and modified black and white diagram. You may use whichever version is easier for you to view. Some diagrams are only in modified colour but you are then provided with a description of the diagram.

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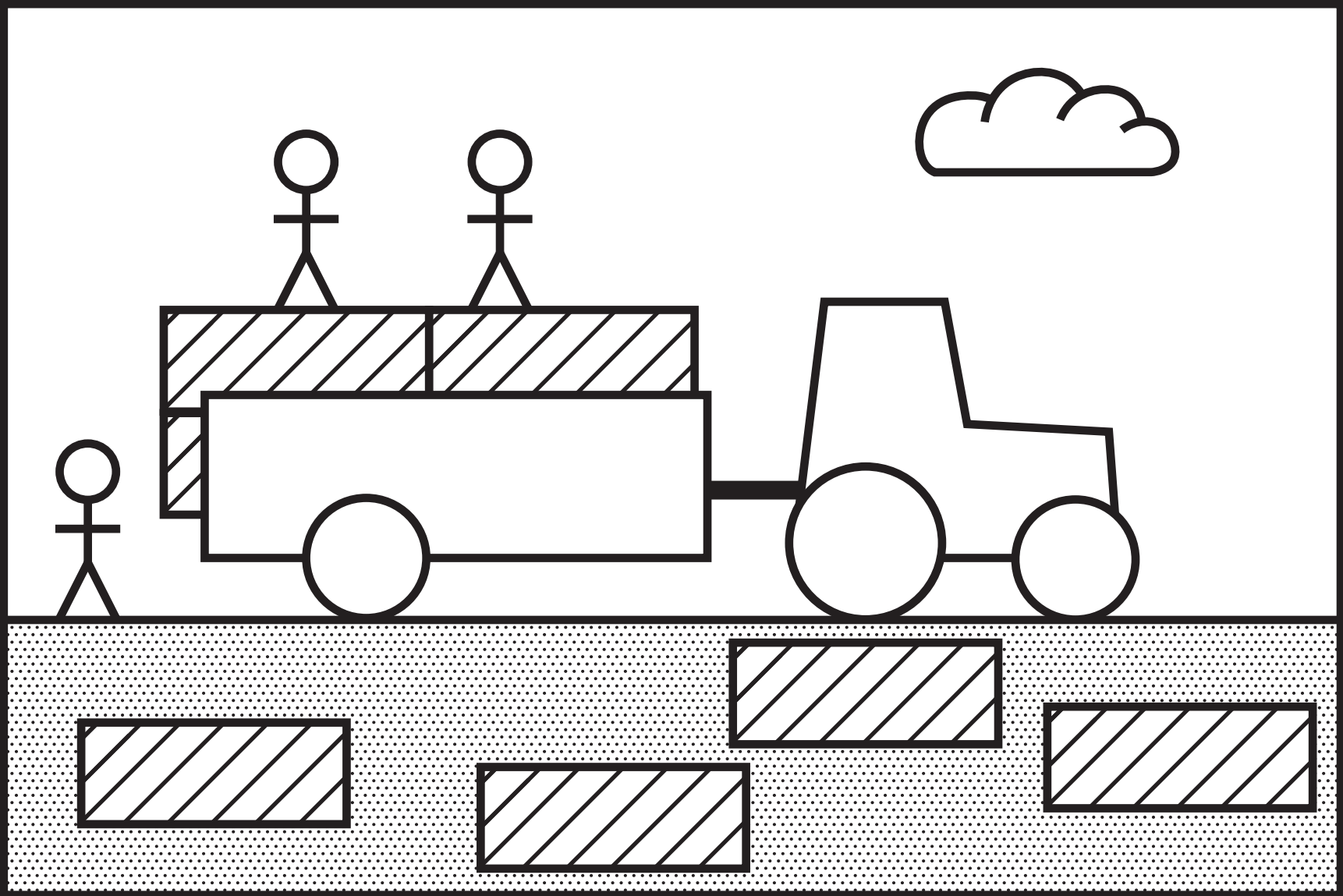
Turn over

Contents continued.

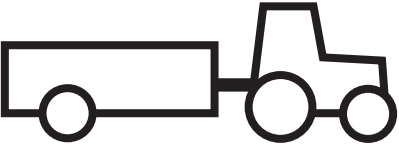
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Figure 1a
Activities in the primary sector




KEY



Tractor and trailer




Hay



Farmers



Field



Clouds

Figure 1b

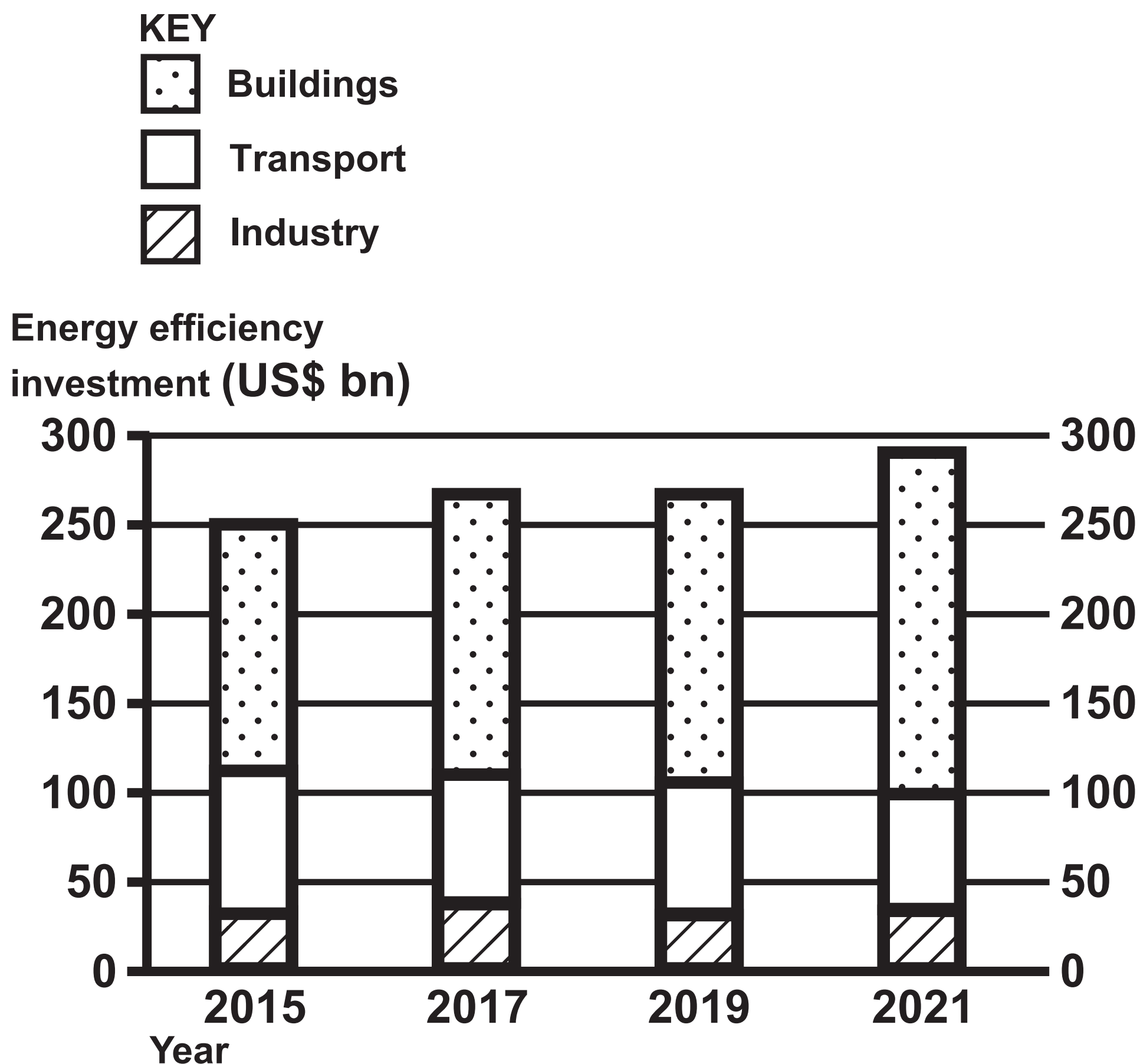
Global investment in energy efficiency, 2015–2021

Figure 1c

Energy mix in Africa and the European Union, 2020

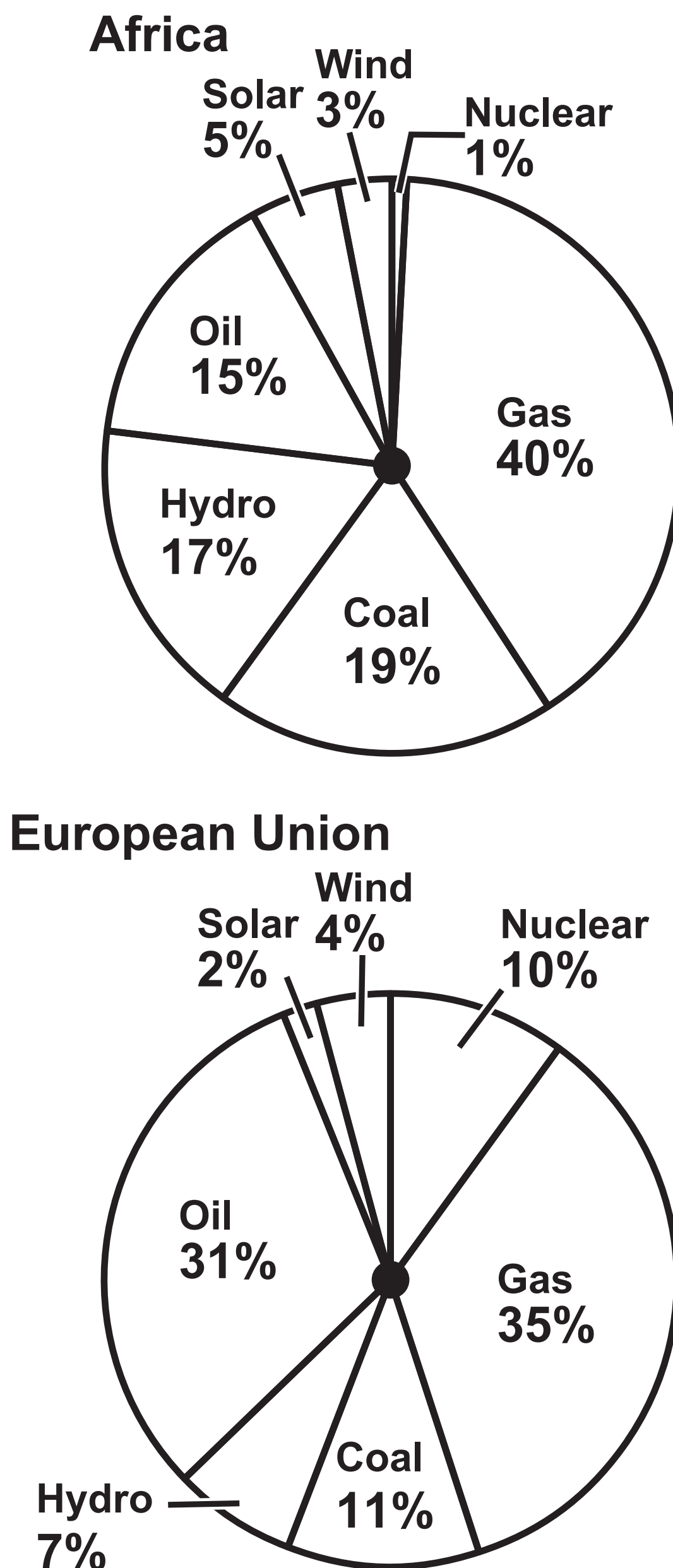


Figure 2a
Global biomes

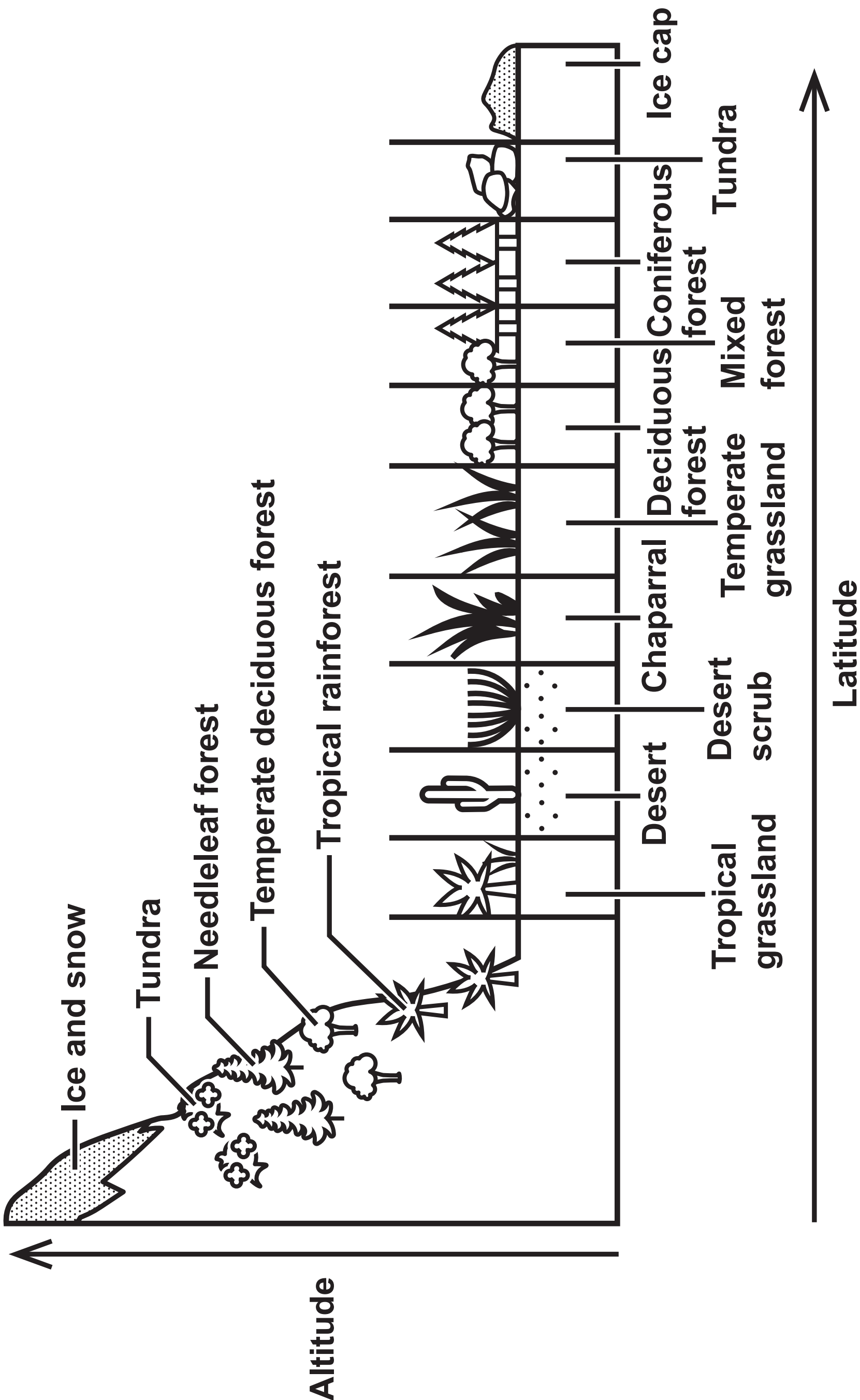


Figure 2b

Average income from farm diversification activities in England, 2022

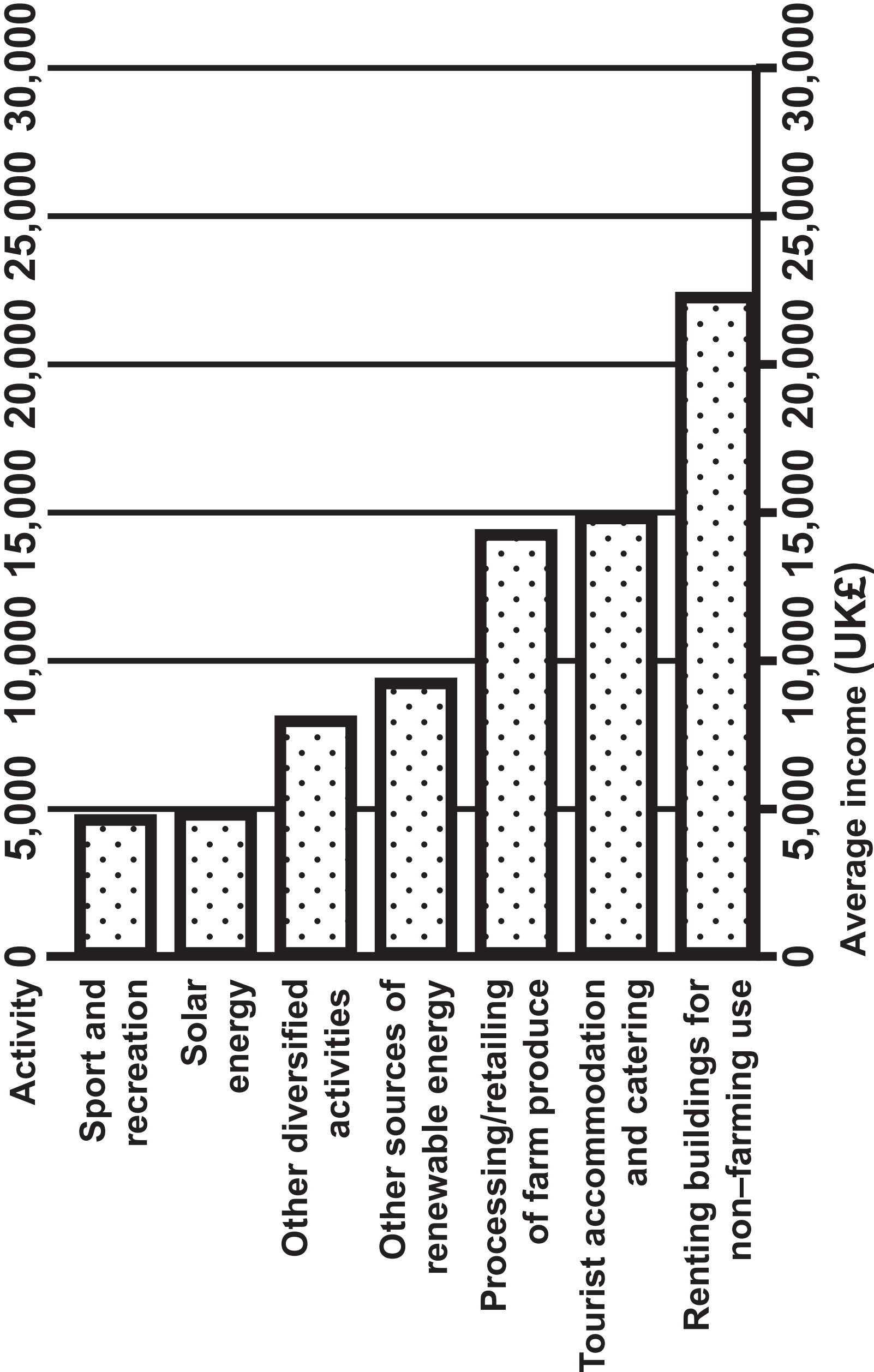


Figure 2c

Ecosystem goods and services

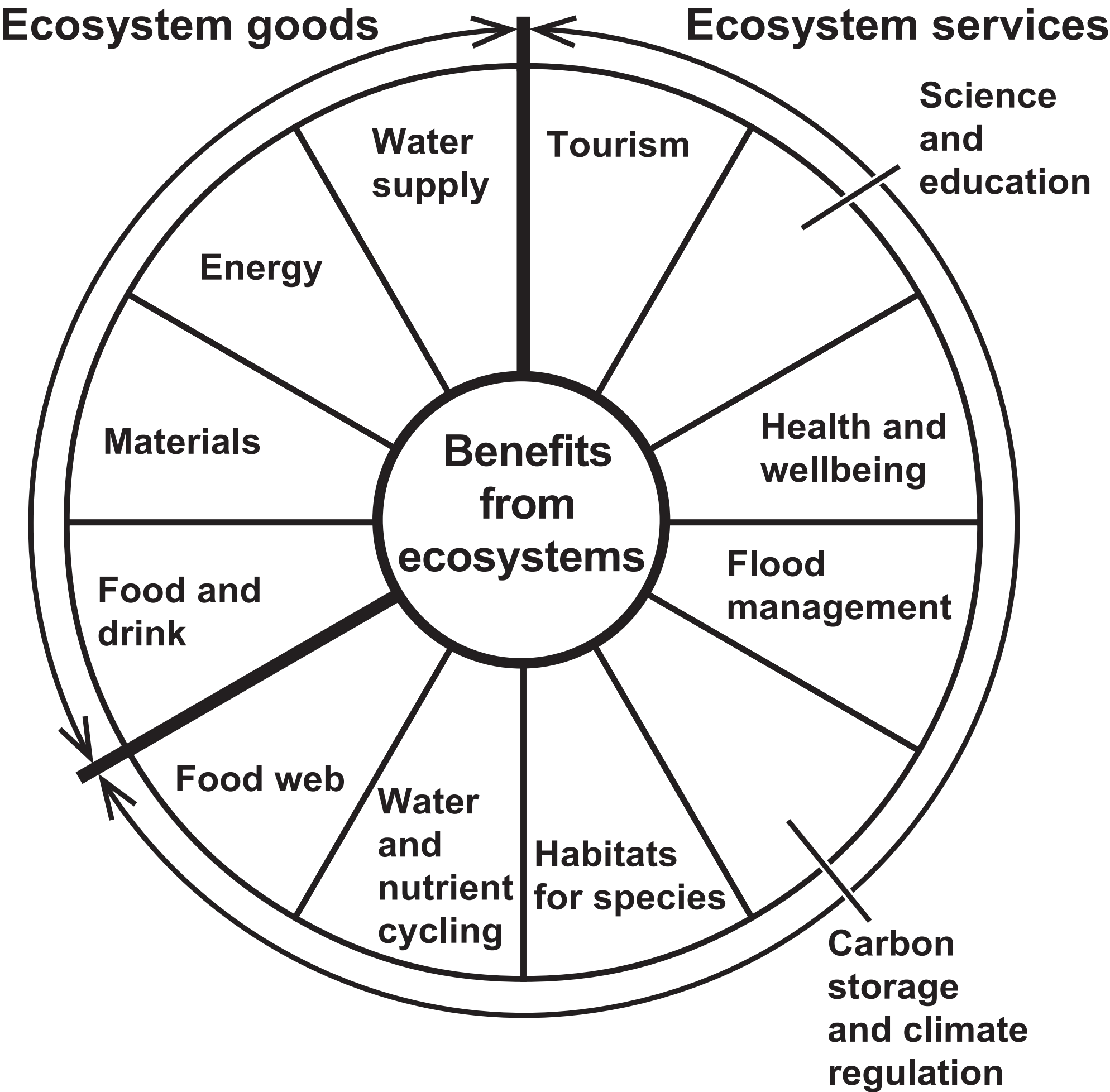
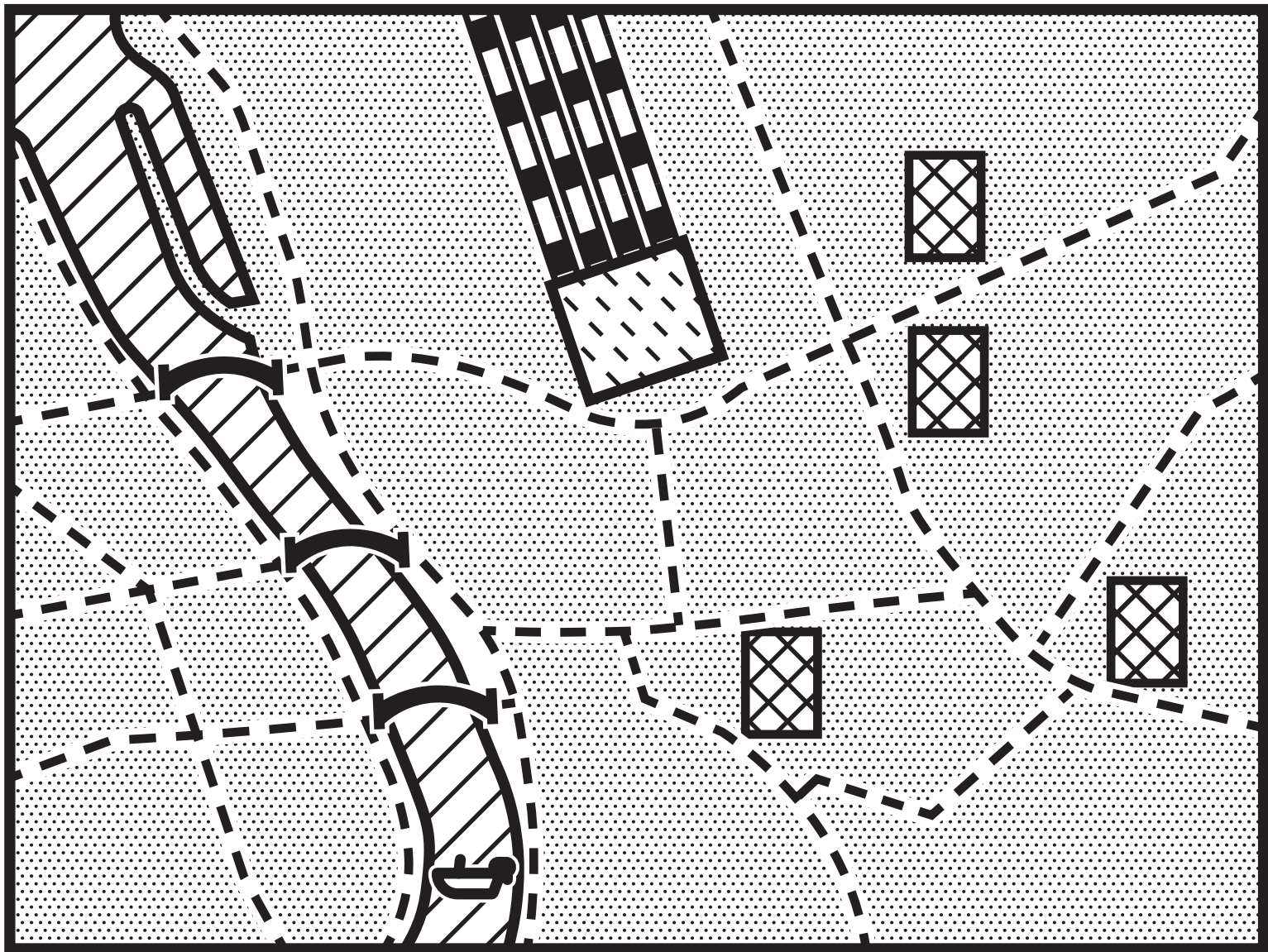


Figure 3a

Aerial photograph of Frankfurt, Germany



KEY

	Buildings		River		Bridges		Train station
	Roads		High rise buildings		Boat		

Figure 3b

Air quality in selected cities

Note: Particulate matter 2·5 (PM2·5), refers to tiny particles or droplets in the air that are 2·5 microns or less in width.

KEY: CITY

- Bengaluru (India)
- ■ Katowice (Poland)
- Abu Dhabi (United Arab Emirates)
- == Johannesburg (South Africa)

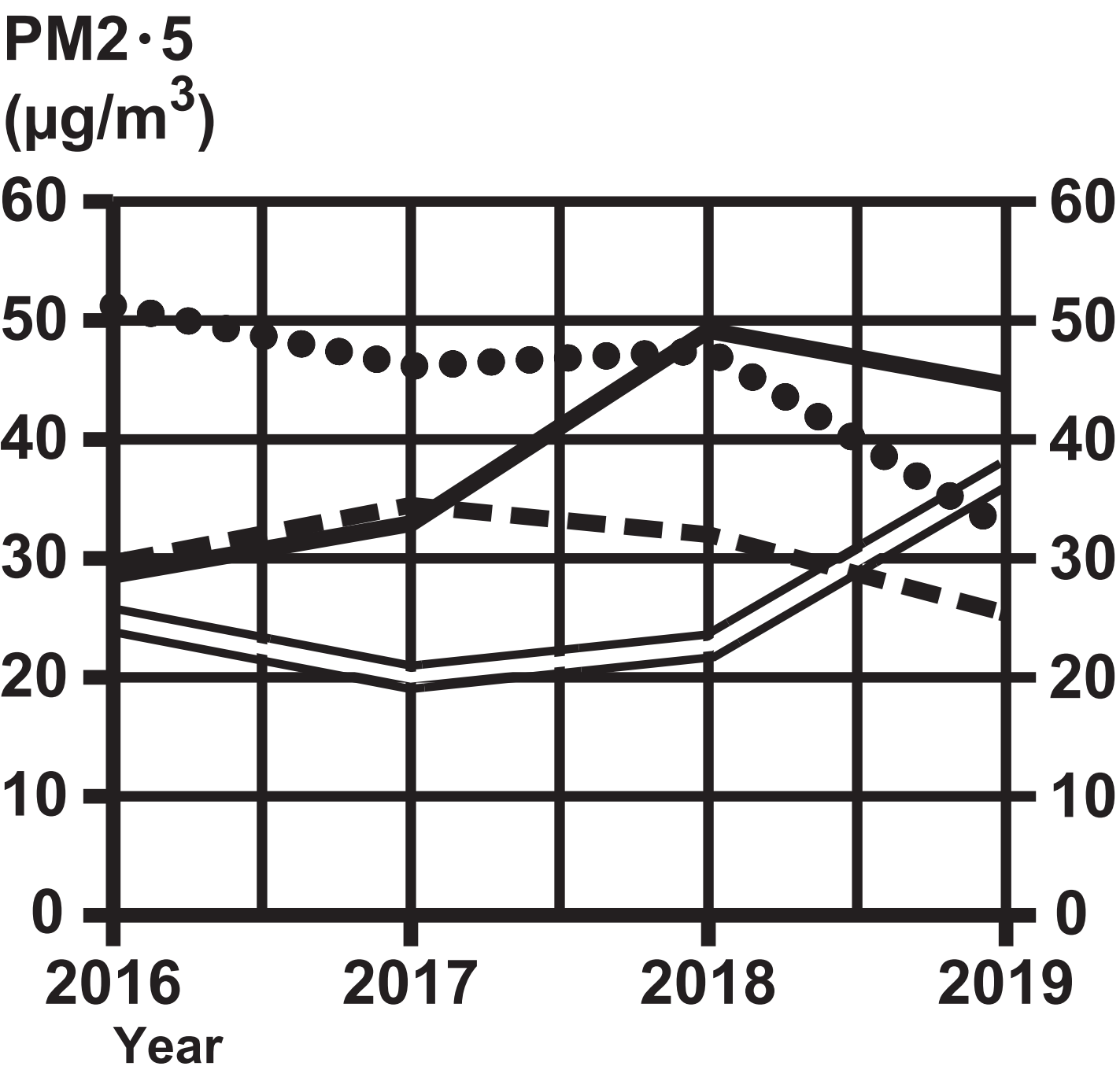


Figure 3c – Key

**Global urban population and city numbers,
1990, 2018 and projections to 2030, by size of city**

Note: numbers on bars indicate the number of each city type

***Number in Small cities category unknown**

KEY





-  **Mega cities**
Population: **More than 10 million.**
Examples: New York, Tokyo, Lagos
-  **Large cities**
Population: **5 to 10 million.**
Examples: Houston, Toronto, Hong Kong
-  **Mid-sized cities**
Population: **1 to 5 million.**
Examples: Vancouver, Prague, Brisbane
-  **Regional cities**
Population: **500,000 to 1 million.**
Examples: Syracuse, Ann Arbor, Liverpool
-  **Small cities***
Population: **Less than 500,000.**
Examples: Boulder, Halifax, Christchurch

Figure 3c – Diagram

Global urban population and city numbers, 1990, 2018 and projections to 2030, by size of city

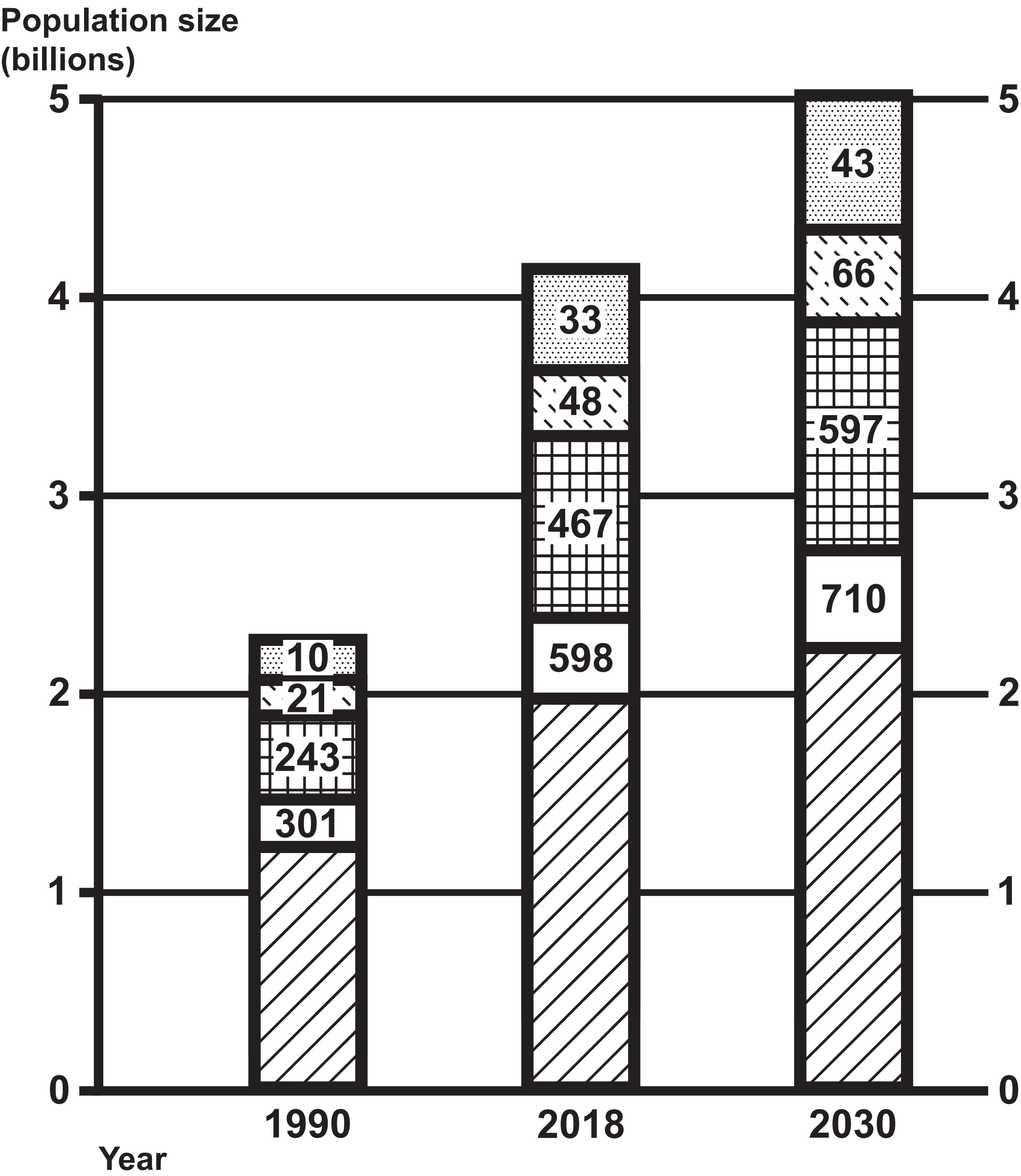


Figure 4a

Fieldwork equipment and data collection methods used

Fieldwork equipment	Data collection methods
Mobile phone (with camera)	Review of newspaper articles
Environmental quality survey sheet	Photographs
Interview guide	Environmental quality survey
	Interviews

Figure 4b
Interview guide

Interview guide	
Q1	To which age group do you belong? _____
Q2	How long have you lived in this area? Under a year 1–5 years 5–10 years 10 years + <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Q3	What are your views on renewable energy? _____ _____
Q4	Do you support the construction of a new wind farm? Yes No <input type="checkbox"/> <input type="checkbox"/>
Q5	What do you think the land should be used for? _____
Q6	On a scale of 1–5 what impact do you think the new wind farm will have on the local area? 1 2 3 4 5 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> (Very negative) (Very positive)

Figure 5a

Fieldwork equipment and data collection methods used

Fieldwork equipment	Data collection methods
Mobile phone (with camera)	Review of newspaper articles
Environmental quality survey sheet	Photographs
Interview guide	Environmental quality survey
	Interviews

Figure 5b
Interview guide

Interview guide	
Q1	To which age group do you belong? _____
Q2	How long have you lived in this area? Under a year 1–5 years 5–10 years 10 years + <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Q3	What are your views on trains as a form of transport? _____ _____
Q4	Do you support the construction of the new train line? Yes No <input type="checkbox"/> <input type="checkbox"/>
Q5	What do you think the land should be used for? _____
Q6	On a scale of 1–5 what impact do you think the new train line will have on the local area? 1 2 3 4 5 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> (Very negative) (Very positive)

Figure 6a

Fieldwork equipment and data collection methods used

Fieldwork equipment	Data collection methods
Mobile phone (with camera) Environmental quality survey sheet Interview guide	Review of newspaper articles Photographs Environmental quality survey Interviews

Figure 6b
Interview guide

Interview guide									
Q1	To which age group do you belong? _____								
Q2	How long have you lived in this area? <table><tr><td>Under a year</td><td>1–5 years</td><td>5–10 years</td><td>10 years +</td></tr><tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr></table>	Under a year	1–5 years	5–10 years	10 years +	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Under a year	1–5 years	5–10 years	10 years +						
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
Q3	What are your views on trains as a form of transport? _____ _____								
Q4	Do you support the construction of the new train line? <table><tr><td>Yes</td><td>No</td></tr><tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr></table>	Yes	No	<input type="checkbox"/>	<input type="checkbox"/>				
Yes	No								
<input type="checkbox"/>	<input type="checkbox"/>								
Q5	What do you think should be a development priority for the city? _____								

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Figure 6b continued.

Interview guide					
Q6	On a scale of 1–5 what impact do you think the new train line will have on the local area?				
	1	2	3	4	5
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	(Very negative)			(Very positive)	

Figure 7a (Colour) – Part 1

Global distribution of drought risk

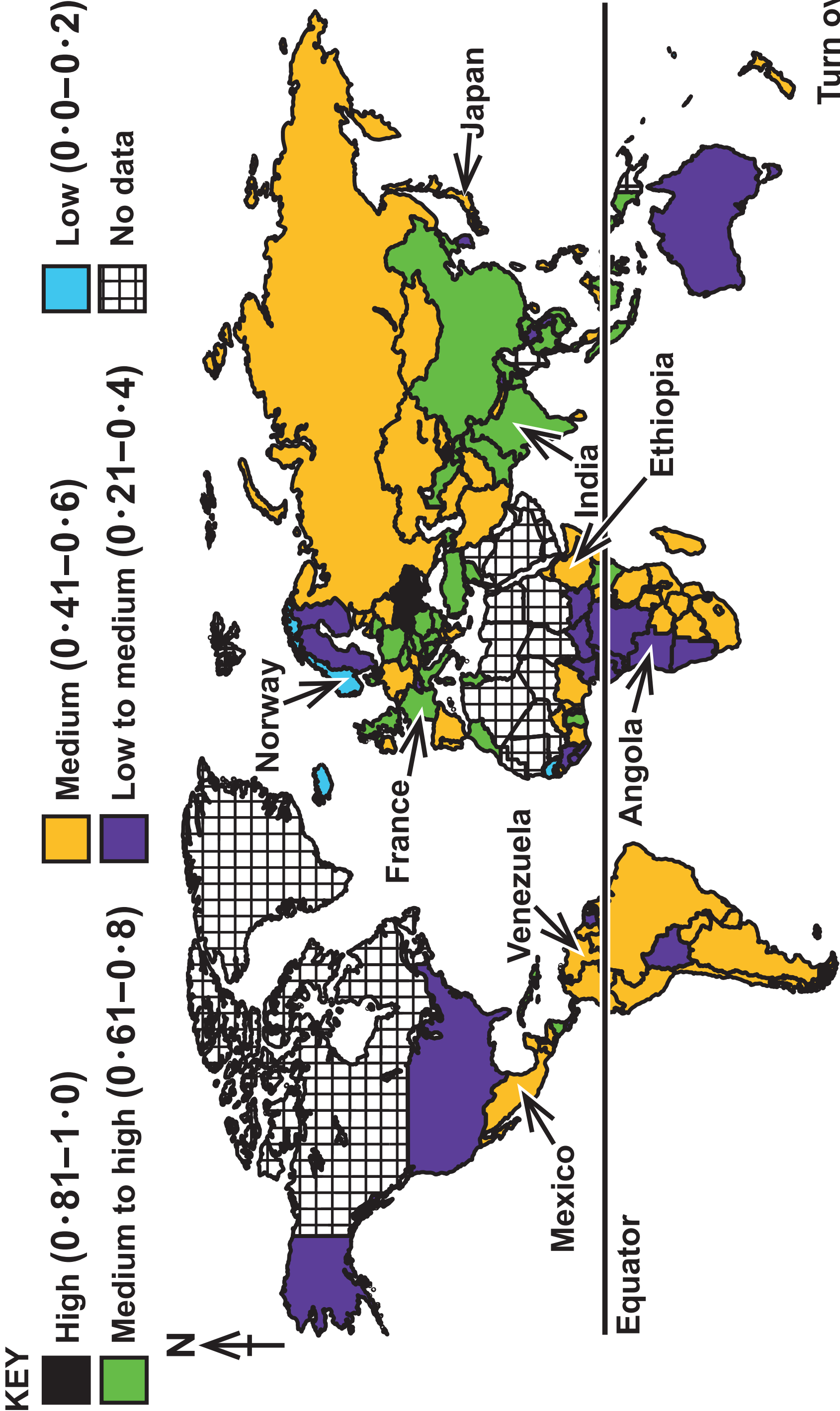


Figure 7a (Colour) – Part 2

Global distribution of drought risk

KEY

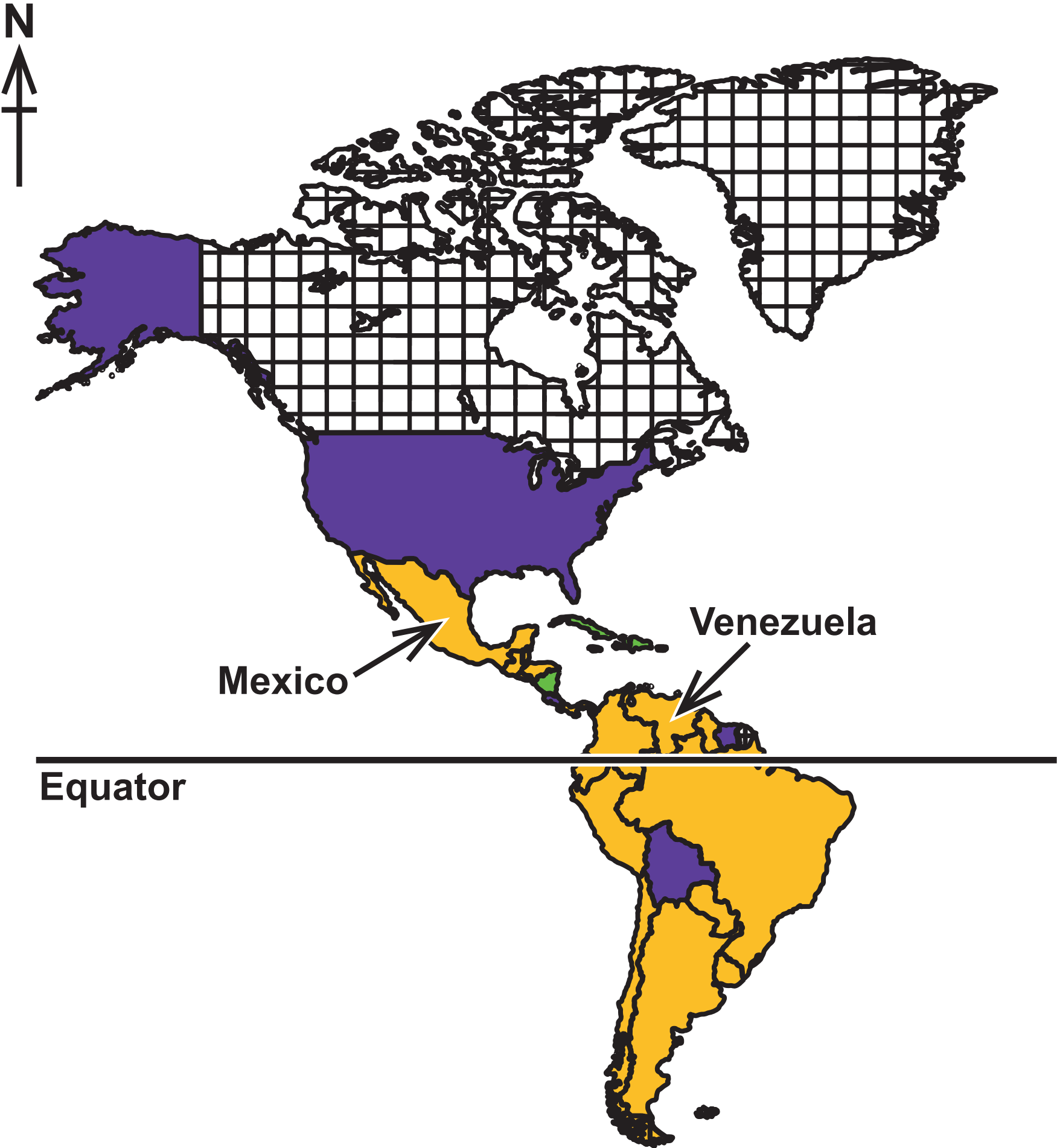
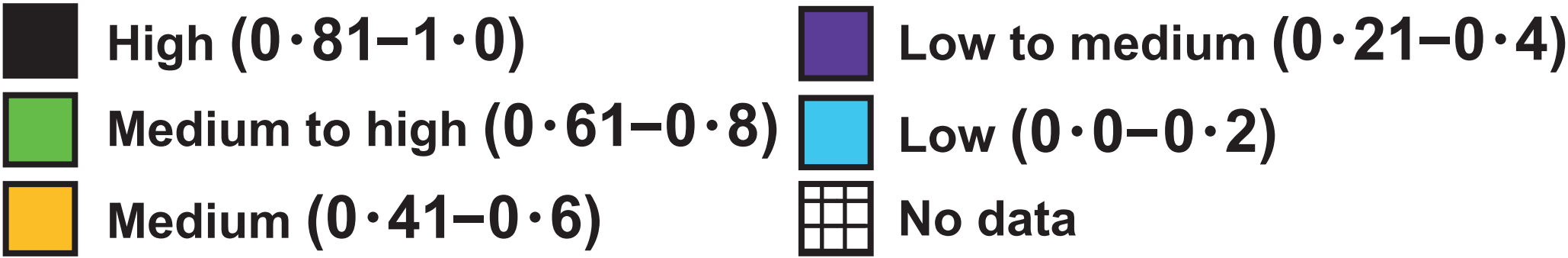


Figure 7a (Colour) – Part 3

Global distribution of drought risk

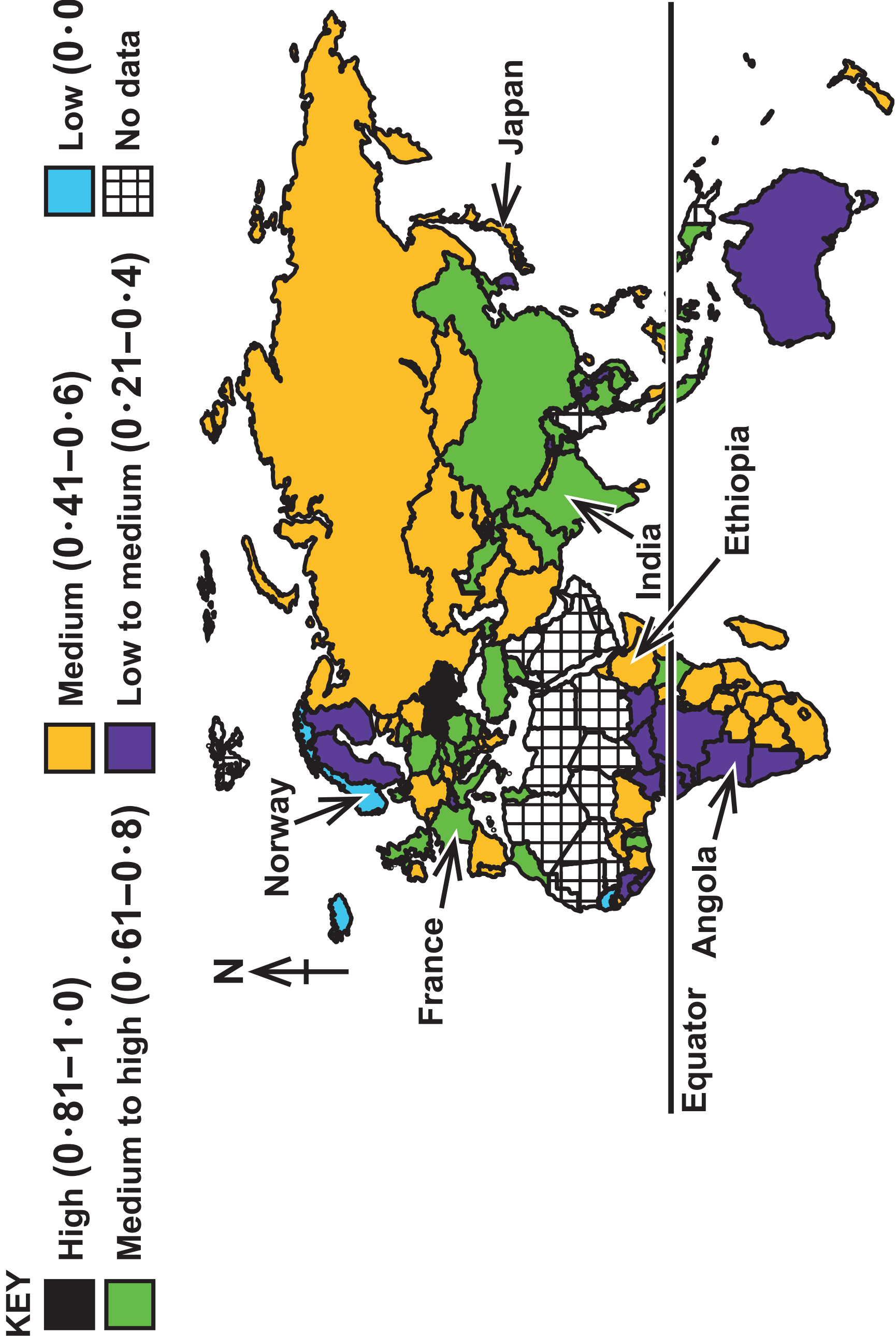


Figure 7a (Black and White) – Part 1

Global distribution of drought risk

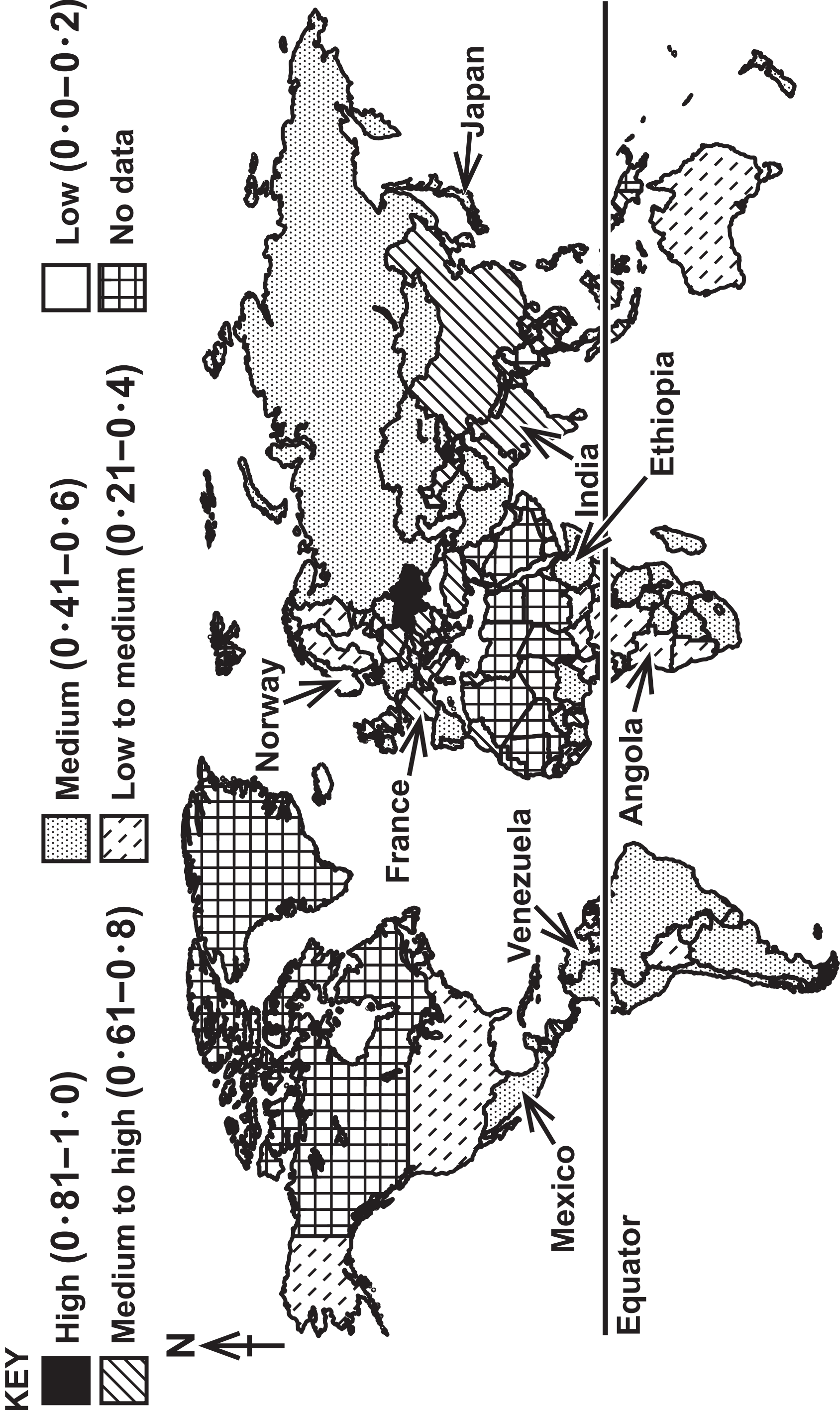


Figure 7a (Black and White) – Part 2

Global distribution of drought risk

KEY

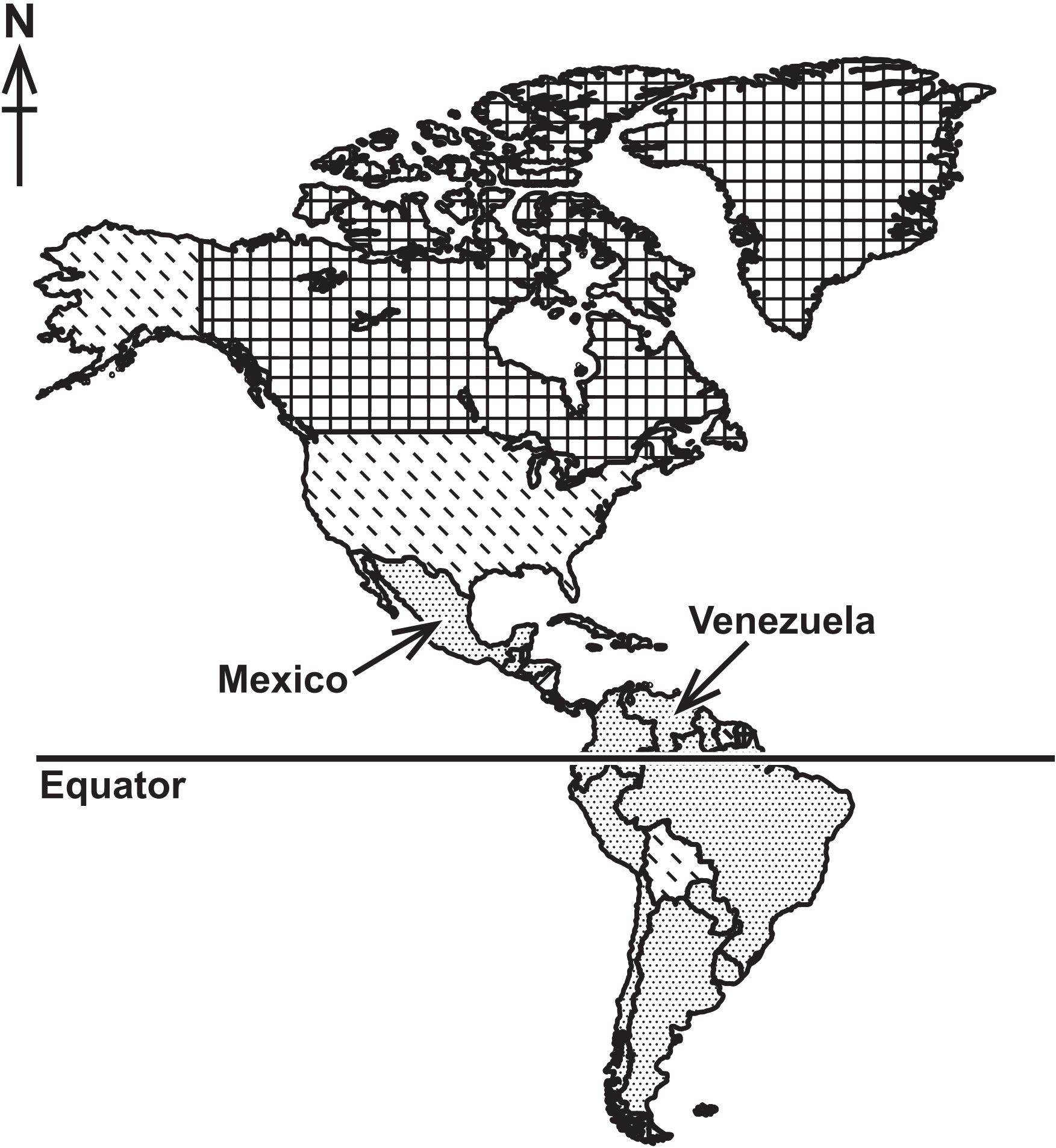
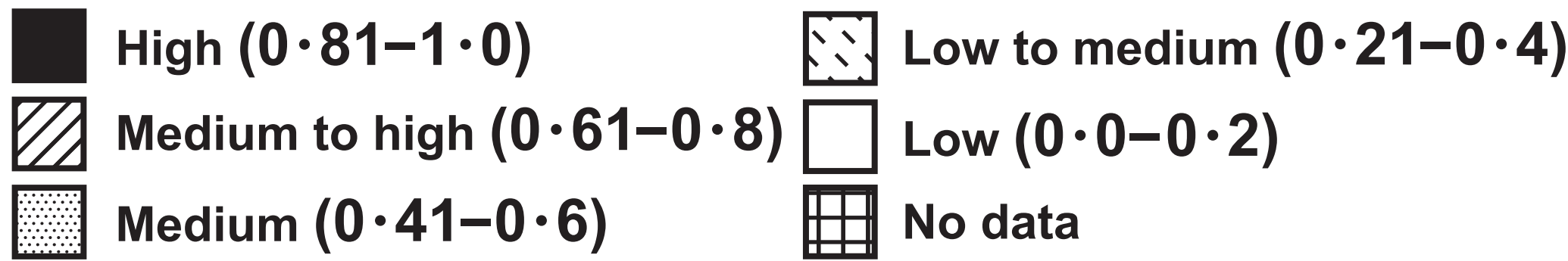


Figure 7a (Black and White) – Part 3

Global distribution of drought risk

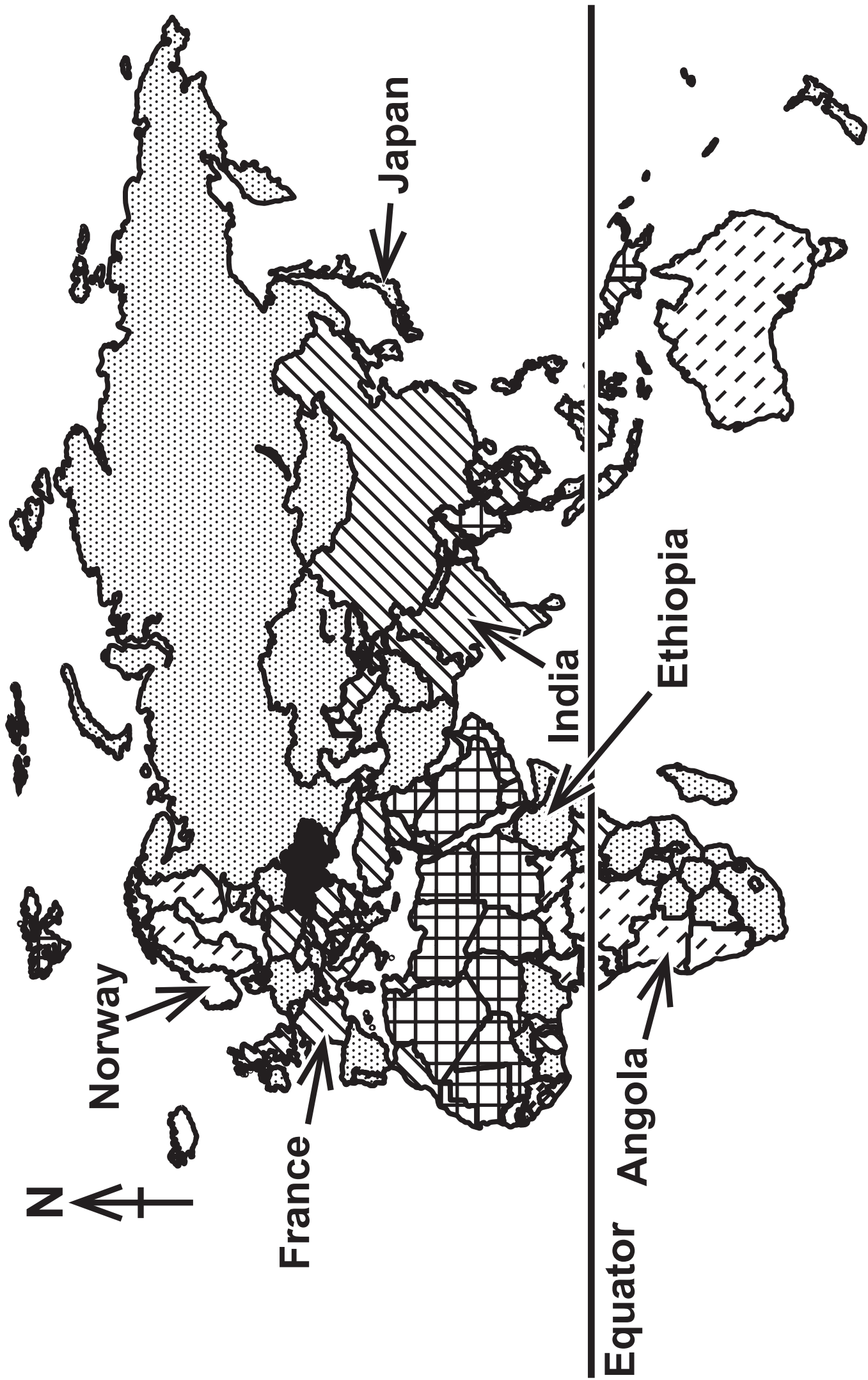


Figure 7b – Key

Information on global forest loss, 2001–2015

KEY: Cause of forest loss



Wildfires



Deforestation for logging to make paper and pulp



Deforestation from agriculture, mining and urbanisation

A. Central and South America

B. Southeast Asia

C. Africa

D. North America

E. Russia, China, South Asia

F. Europe

G. Oceania

Figure 7b – Diagram

Information on global forest loss, 2001–2015

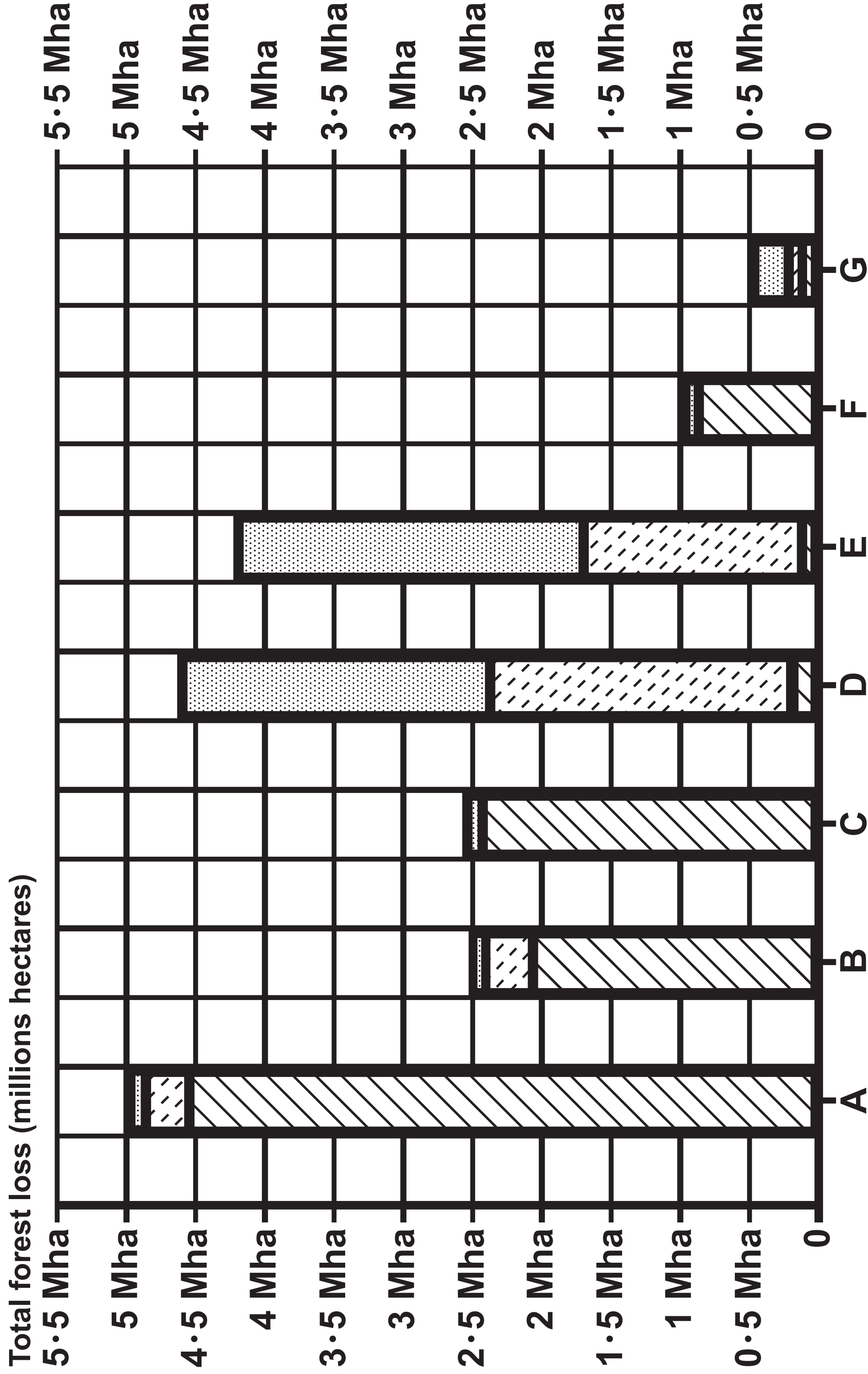
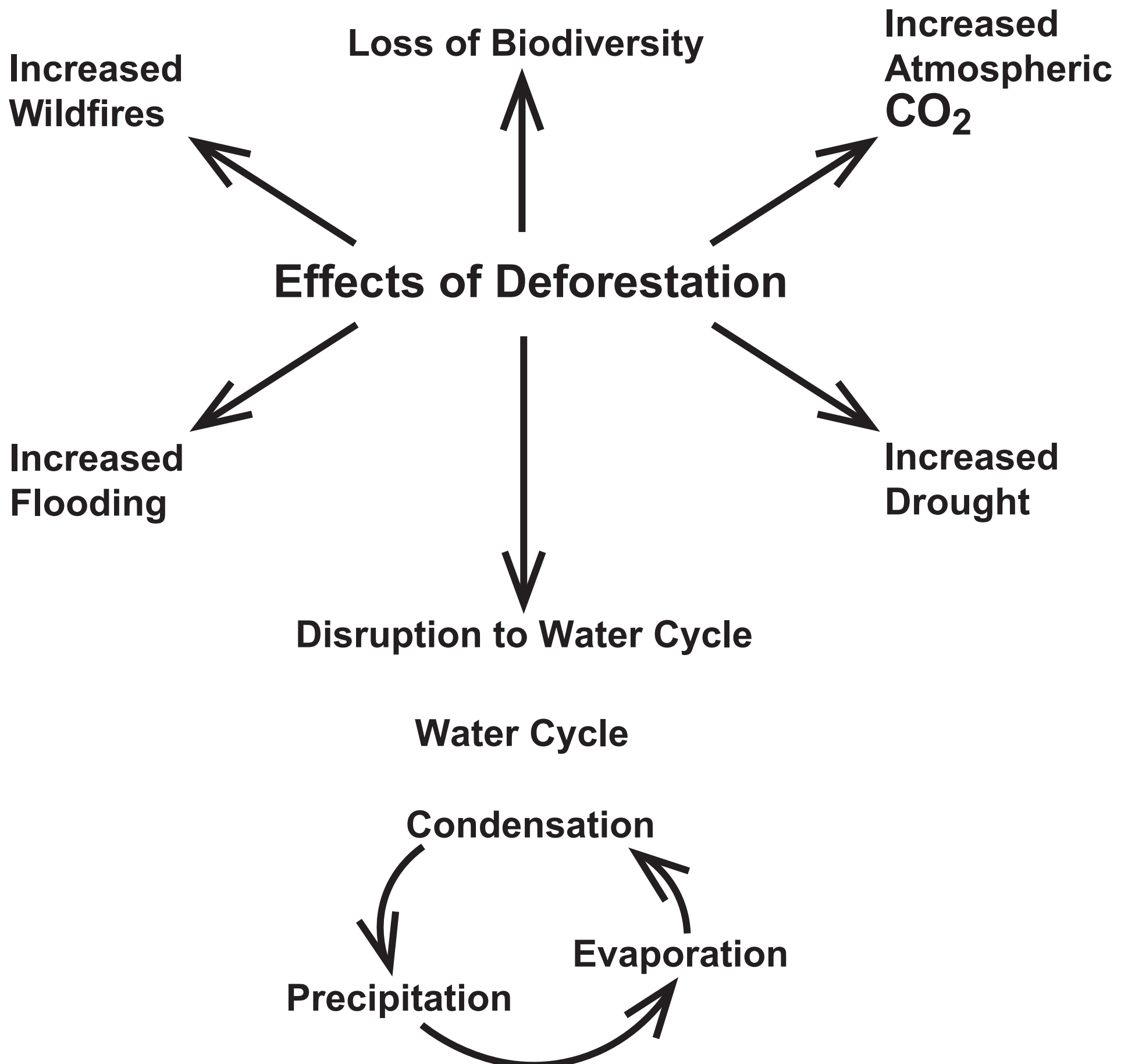


Figure 7c

Selected impacts of deforestation



Net annual migration per 1000 population, 2017–2021

KEY

Positive



0 to 4.9



5 to 9.9



10 to 45

Negative



0 to -4.9

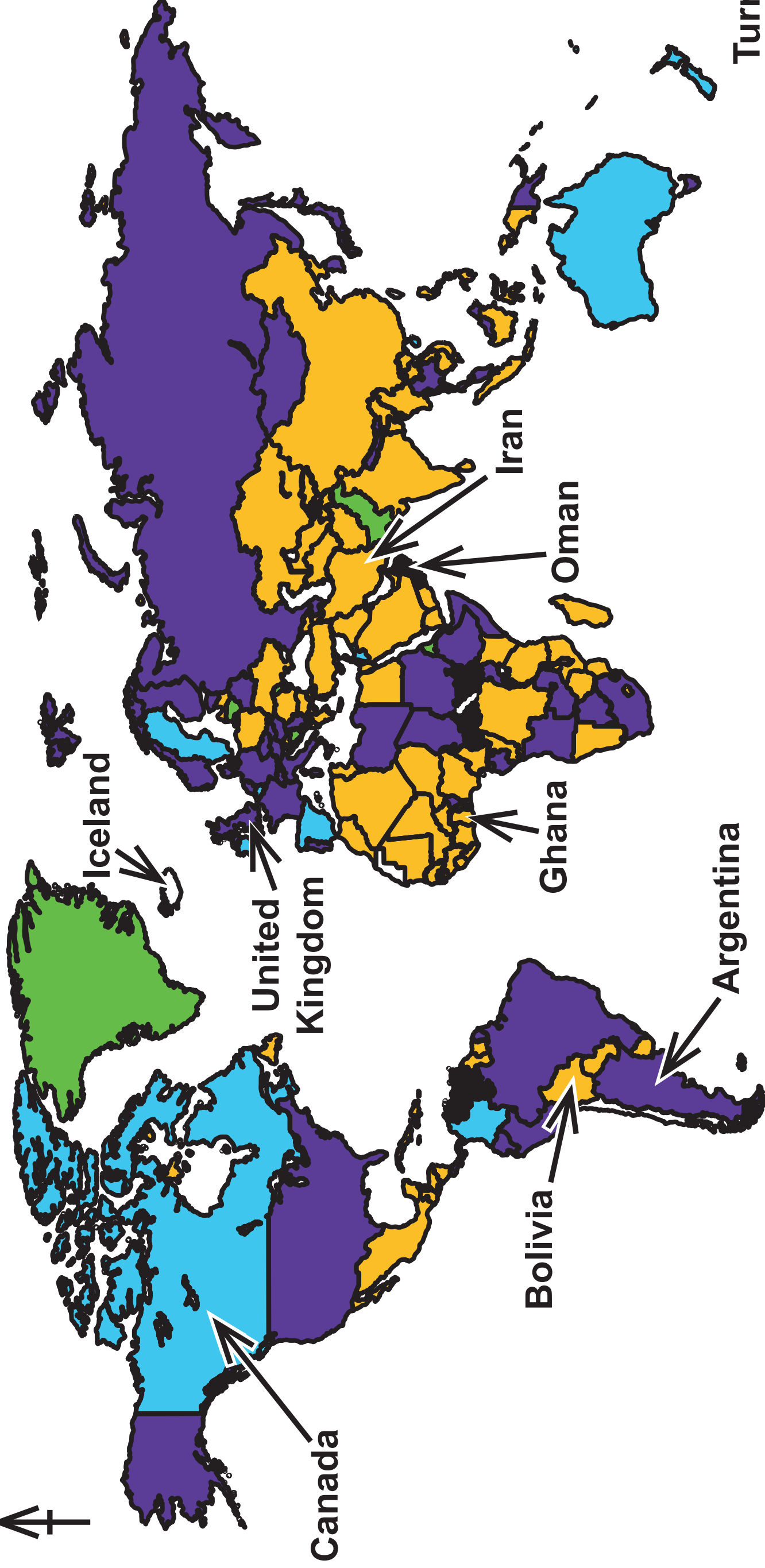


-5 to -9.9



-10 to -42

N
↑



Turn over

Figure 8a (Colour) – Part 2

Net annual migration per 1000 population,
2017–2021

KEY

Positive

0 to 4·9 5 to 9·9 10 to 45

Negative

0 to -4·9 -5 to -9·9 -10 to -42



Turn over

Net annual migration per 1000 population, 2017–2021

KEY

Positive



0 to 4.9



5 to 9.9



10 to 45

Negative



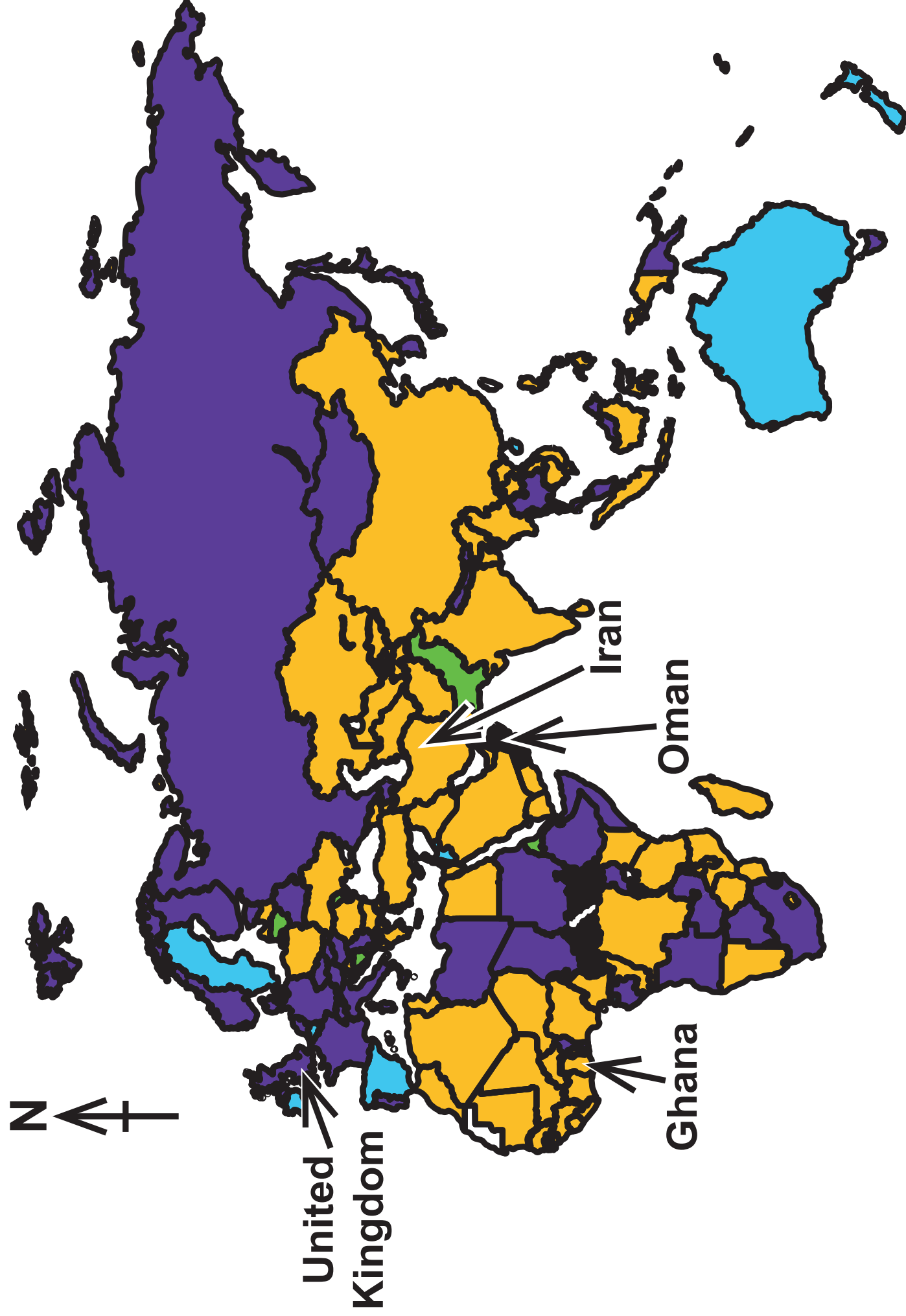
0 to -4.9



-5 to -9.9



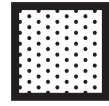
-10 to -42



Net annual migration per 1000 population, 2017–2021

KEY

Positive



0 to 4.9

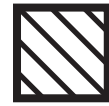


5 to 9.9



10 to 45

Negative



0 to -4.9

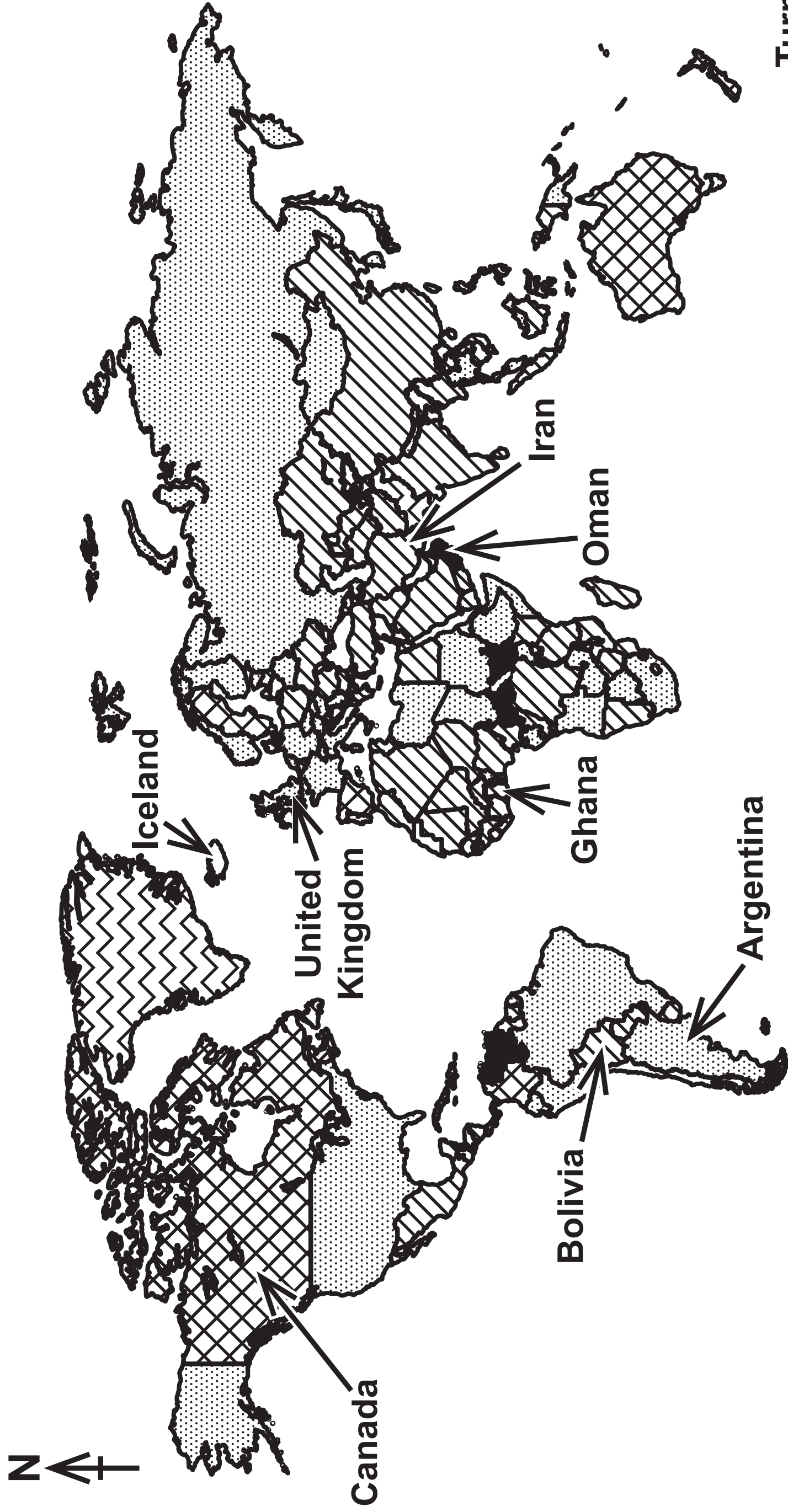


-5 to -9.9



-10 to -42

N ↑



Turn over

Figure 8a (Black and White) – Part 2

Net annual migration per 1000 population,
2017–2021

KEY

Positive

0 to 4.9 5 to 9.9 10 to 45

Negative

0 to -4.9 -5 to -9.9 -10 to -42



Turn over

Net annual migration per 1000 population, 2017–2021

KEY

Positive



0 to 4.9



5 to 9.9



10 to 45

Negative



0 to -4.9



-5 to -9.9



-10 to -42

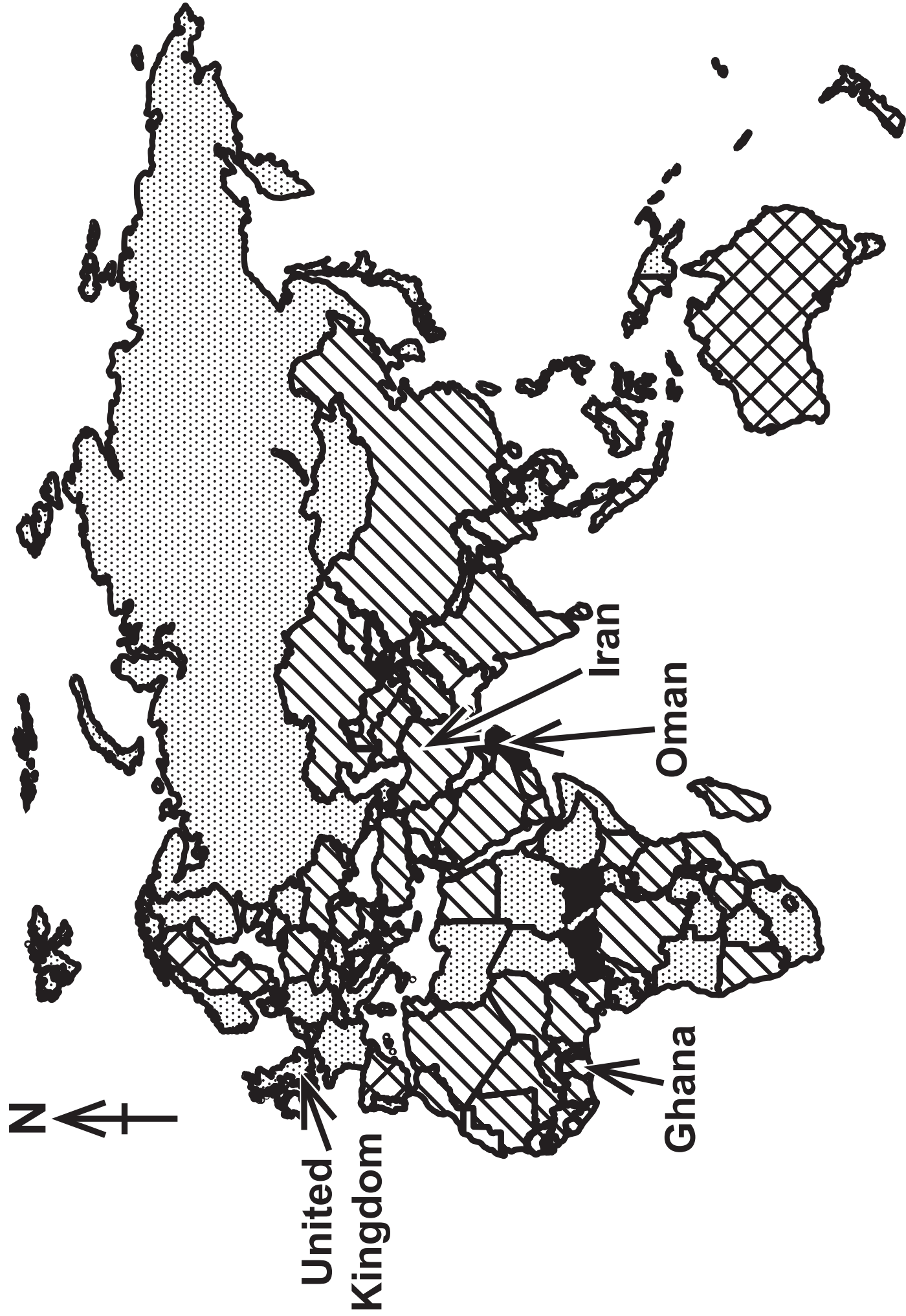


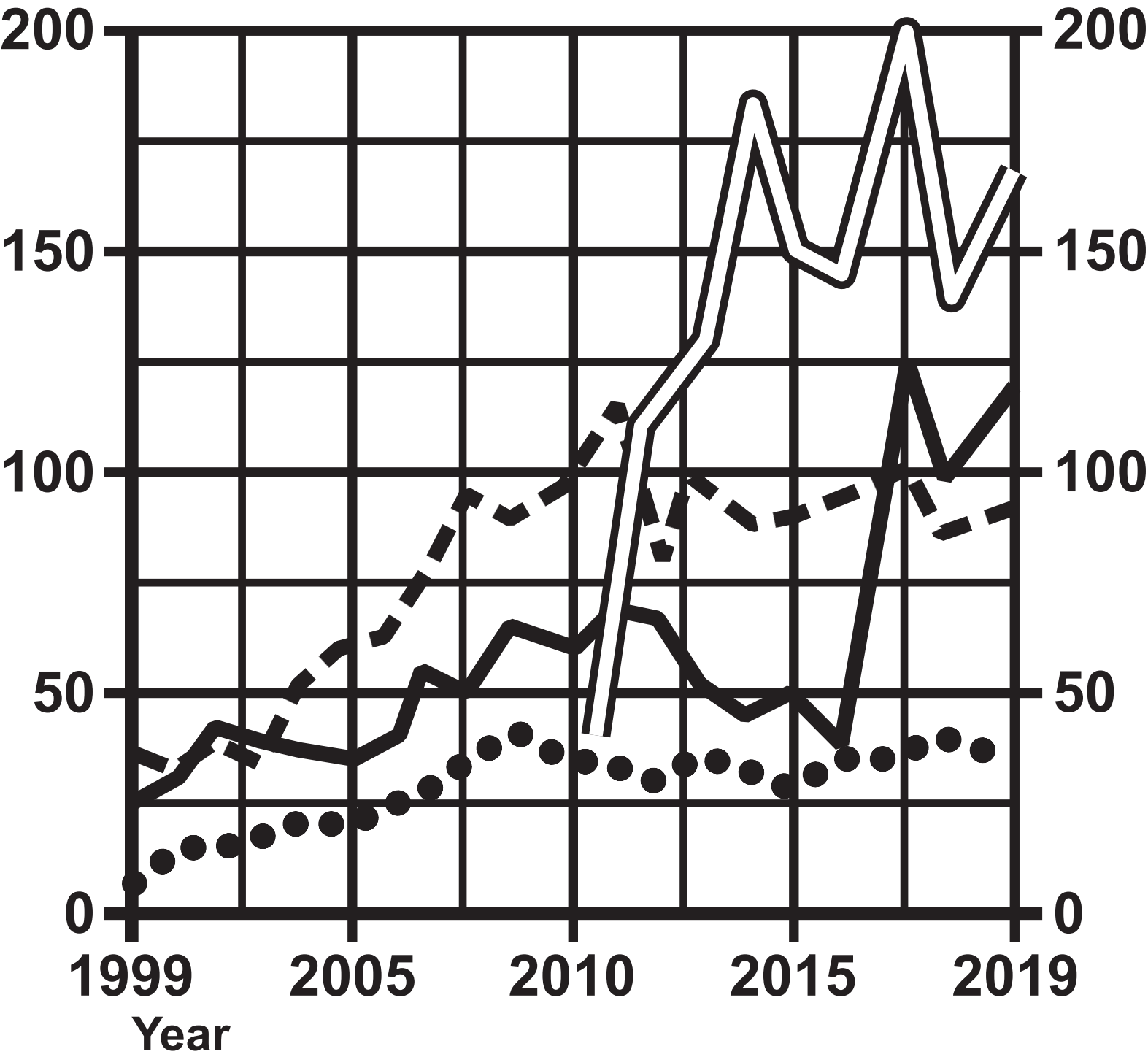
Figure 8b

Development aid received per capita for selected countries, 1999–2019

KEY

- == South Sudan
- Somalia
- - Rwanda
- Ethiopia

Development aid received per capita (US\$)



Information on the Regional Comprehensive Economic Partnership (RCEP)

trade bloc

15 countries sign world's biggest free trade deal (indicated in blue)

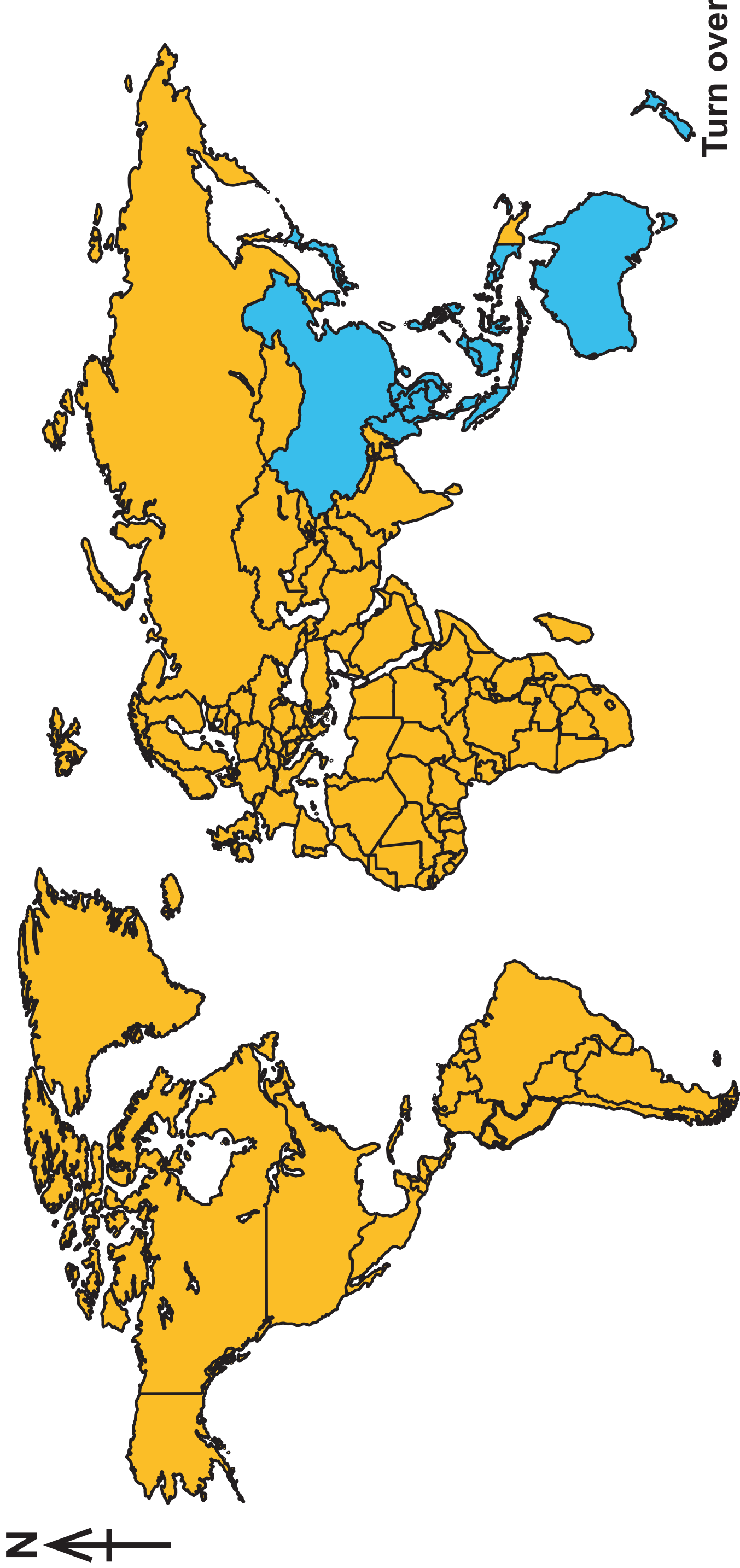
Key facts

Countries: 15

Population: 2·2 billion

Combined GDP: US\$26·2 trillion

Share of global trade: 28% Share of global economic output: 30% Year established: 2022



Information on the Regional Comprehensive Economic Partnership (RCEP)
trade bloc

15 countries sign world's biggest free trade deal (indicated in dotted shading)

Key facts

Countries: 15 Population: 2.2 billion Combined GDP: US\$26.2 trillion
Share of global trade: 28% Share of global economic output: 30% Year established: 2022

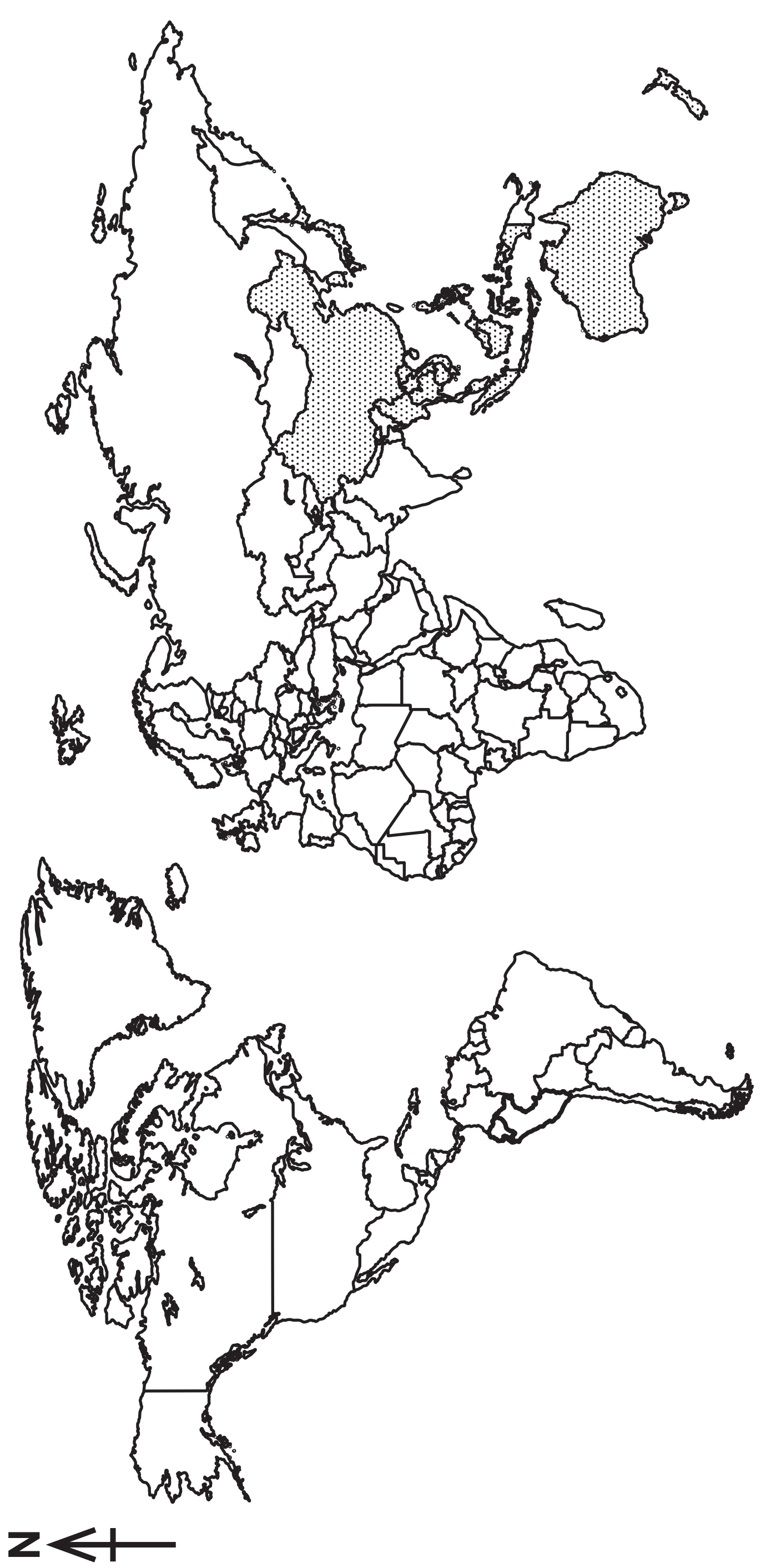


Figure 9a – Key (Colour)

Life expectancy, 2022



Figure 9a – Diagram (Colour) – Part 1

Life expectancy, 2022

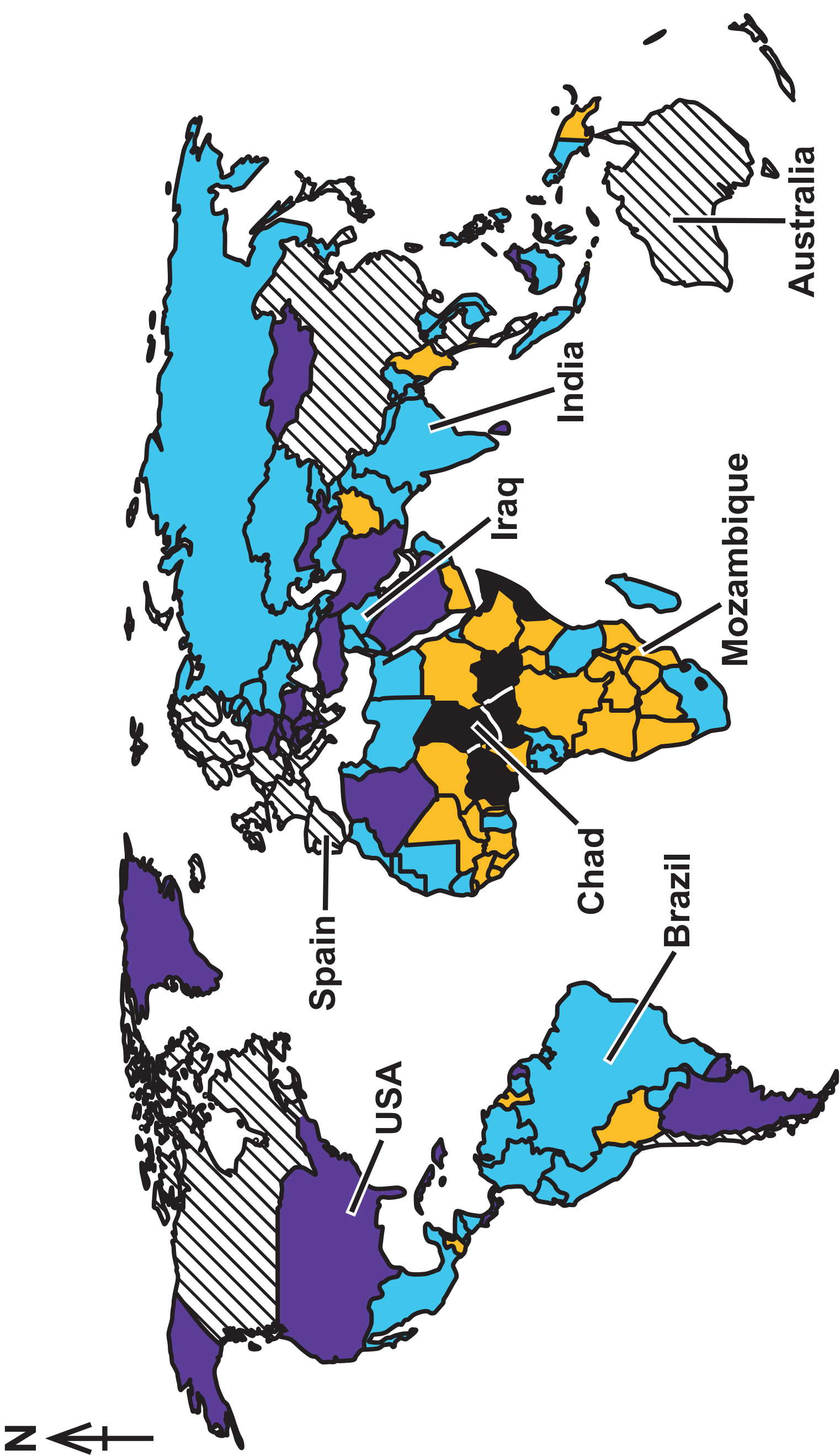


Figure 9a – Diagram (Colour) – Part 2

Life expectancy, 2022



Figure 9a – Diagram (Colour) – Part 3

Life expectancy, 2022

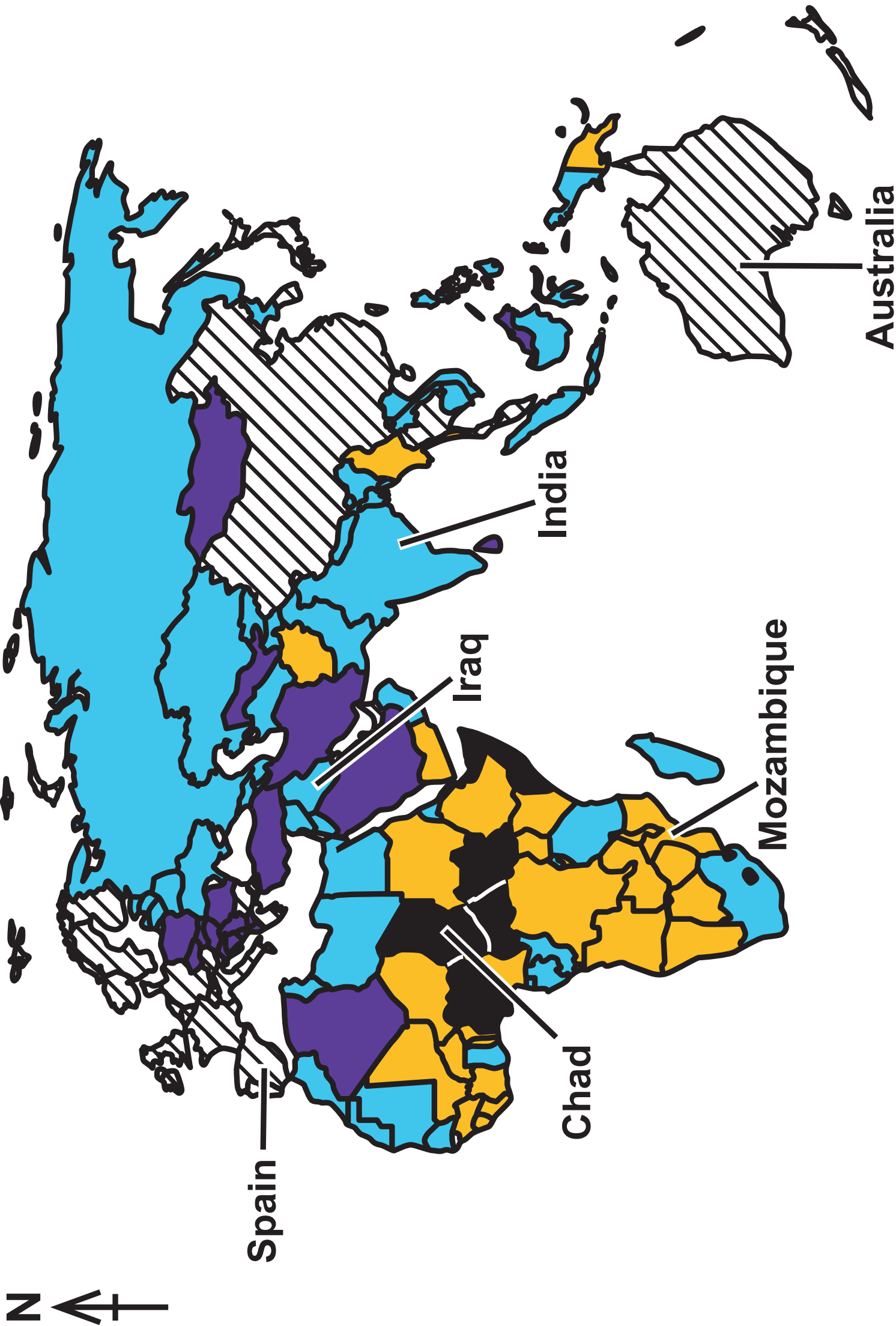


Figure 9a – Key (Black and White)

Life expectancy, 2022

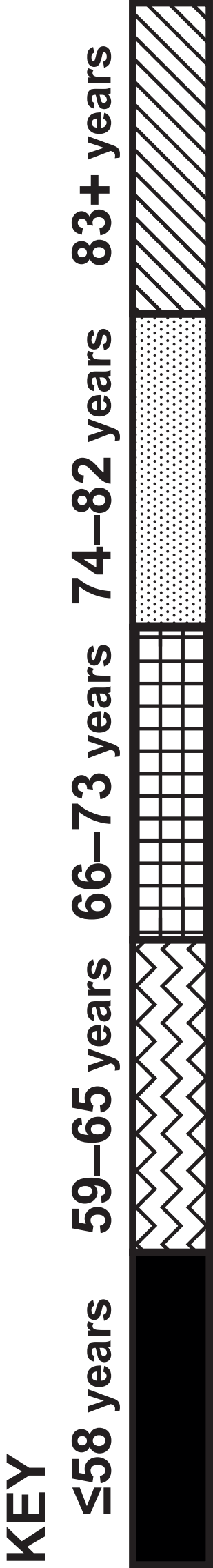


Figure 9a – Diagram (Black and White) – Part 1

Life expectancy, 2022

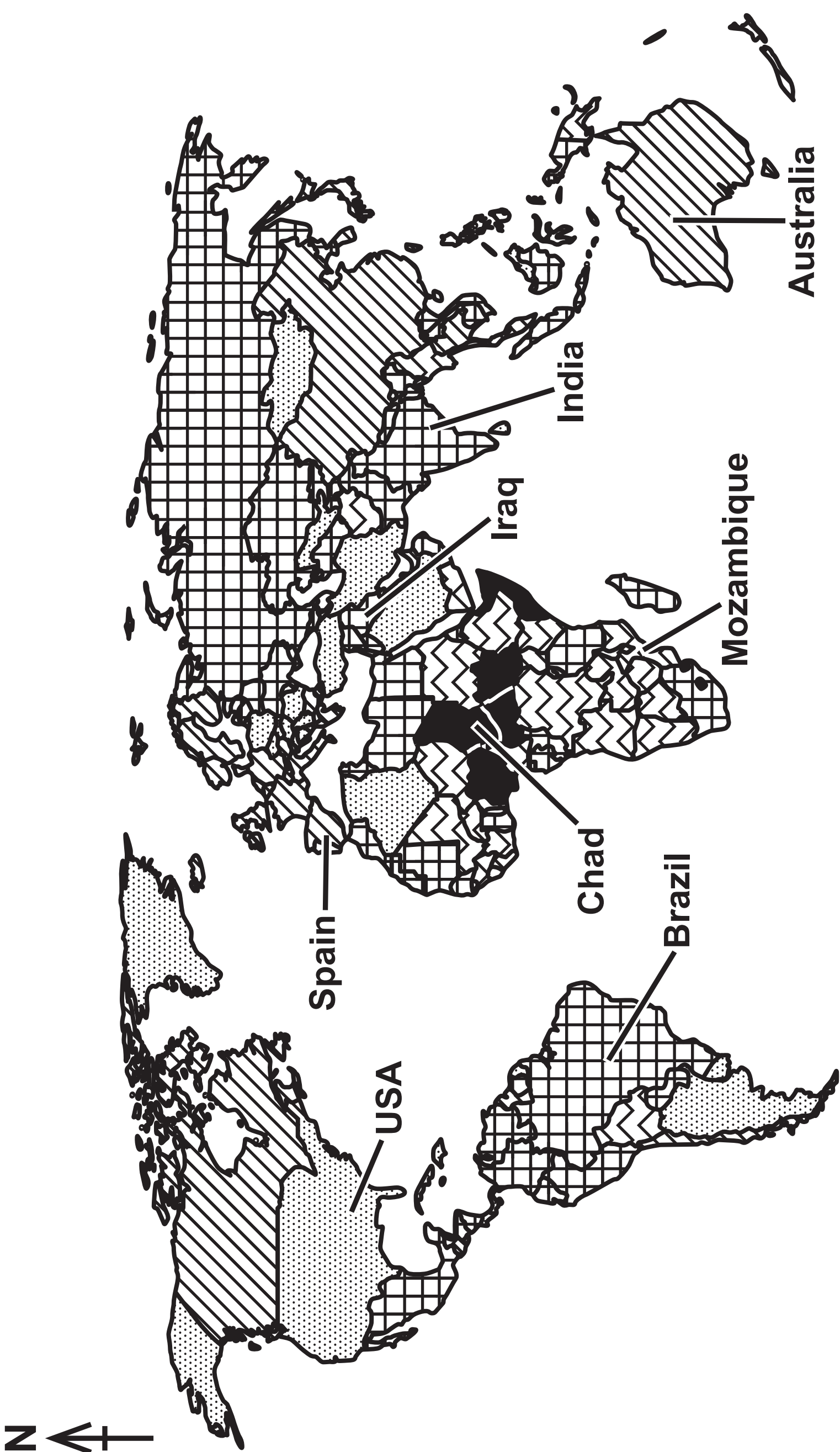


Figure 9a – Diagram (Black and White) – Part 2

Life expectancy, 2022

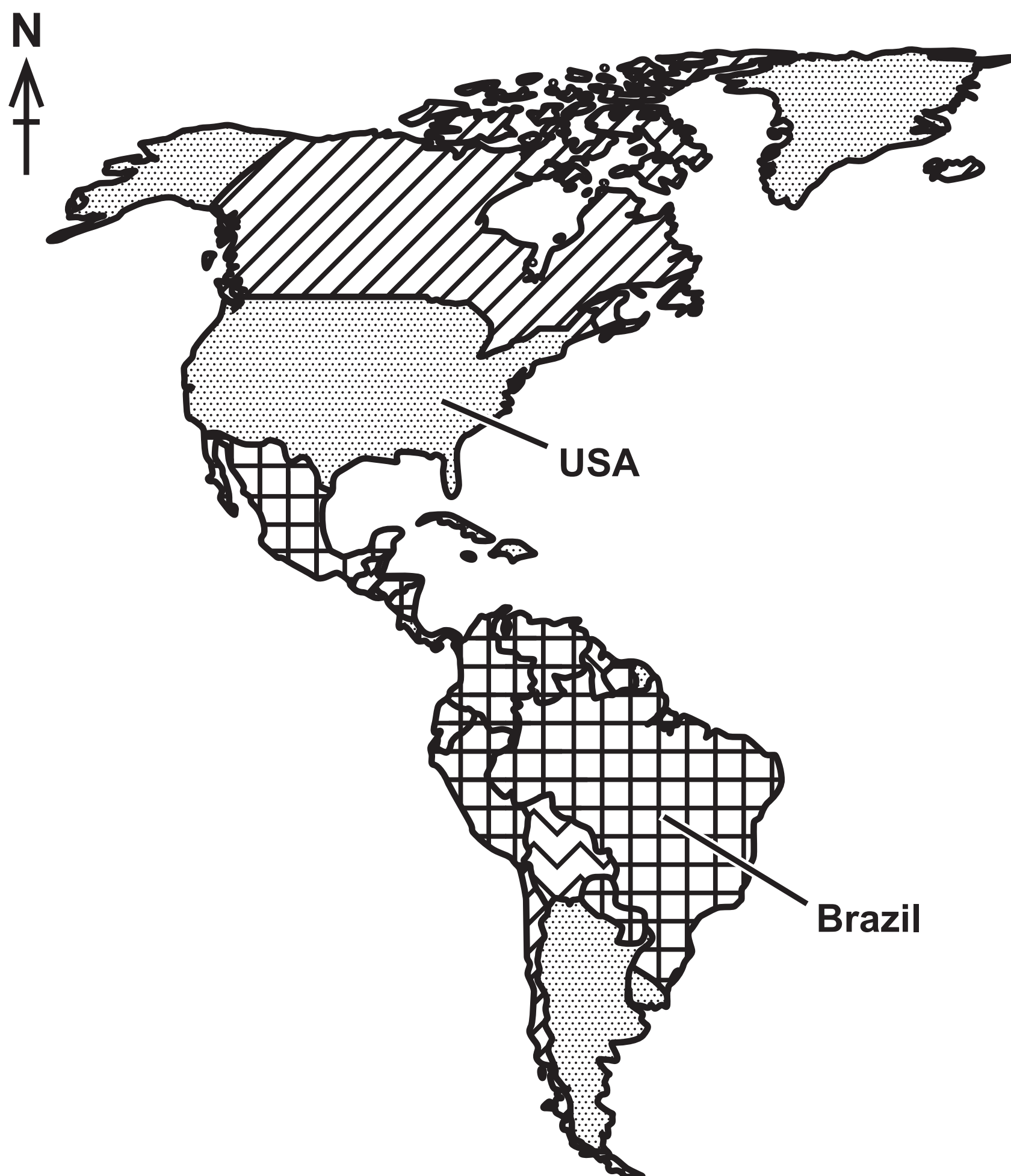


Figure 9a – Diagram (Black and White) – Part 3

Life expectancy, 2022

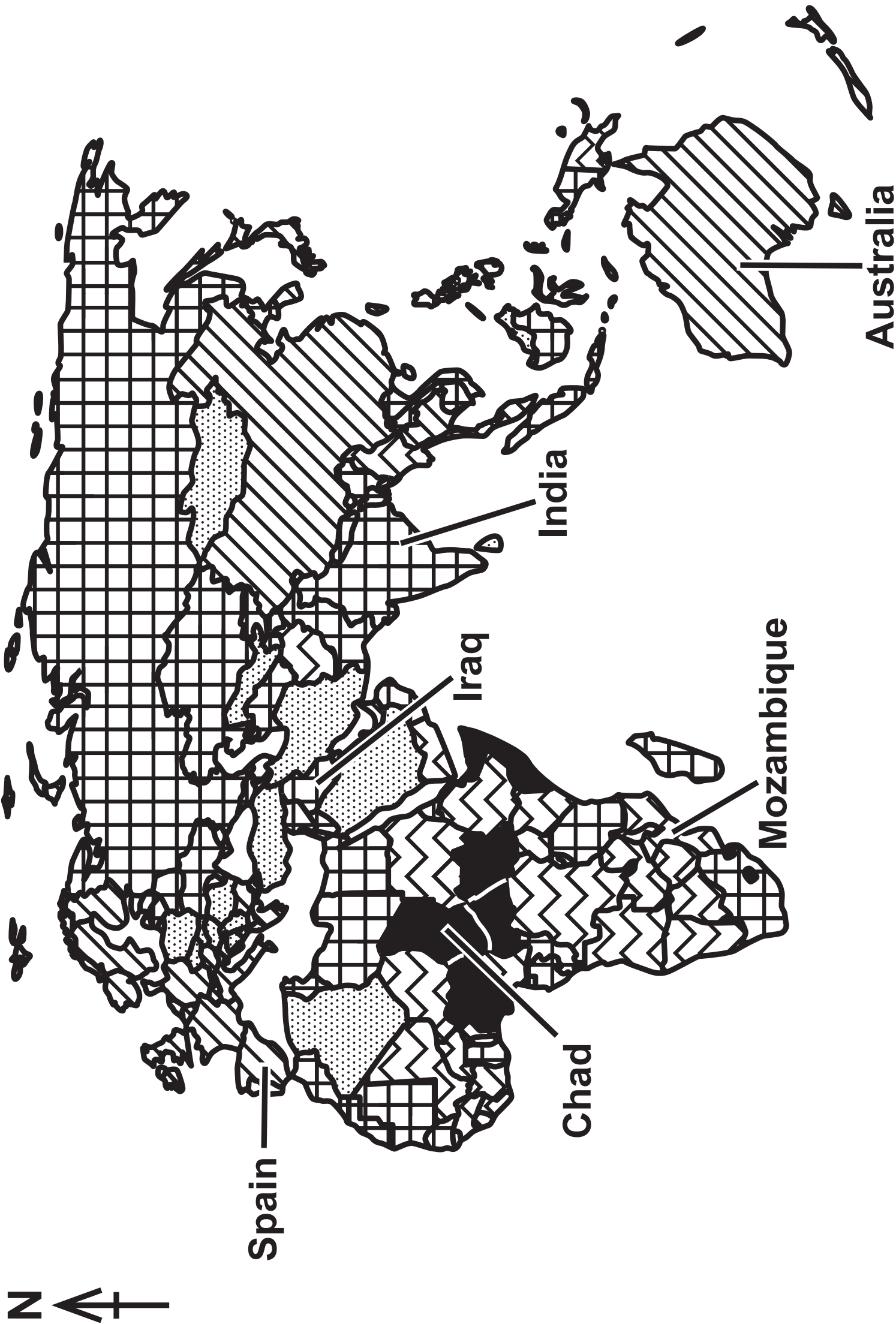


Figure 9b

Number of people affected by food insecurity for selected countries, 2015–2019

KEY

- Nigeria
- - -

 Brazil
- Kenya
- ==

 Indonesia
- . -

 Sierra Leone

Number of people
(millions)

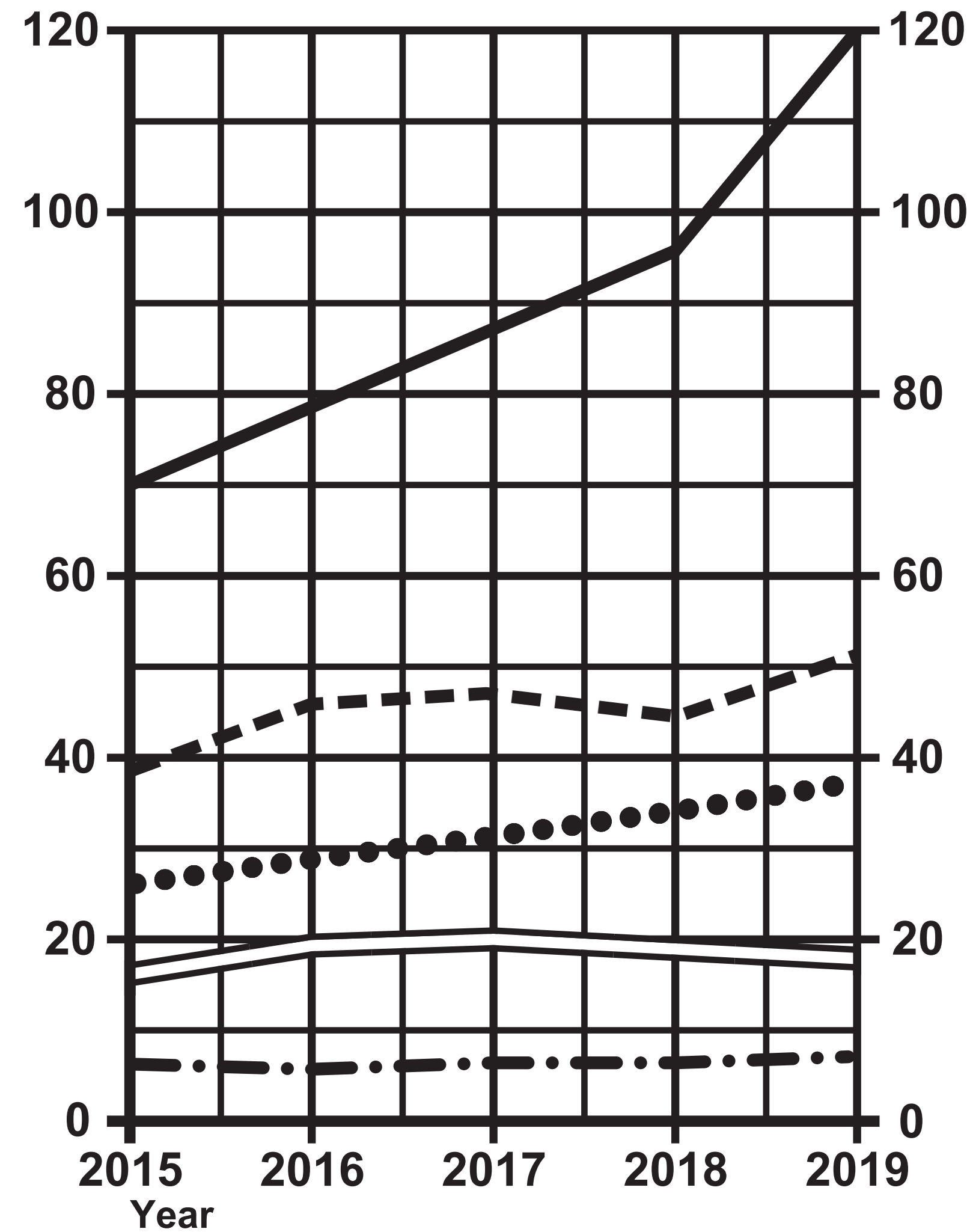
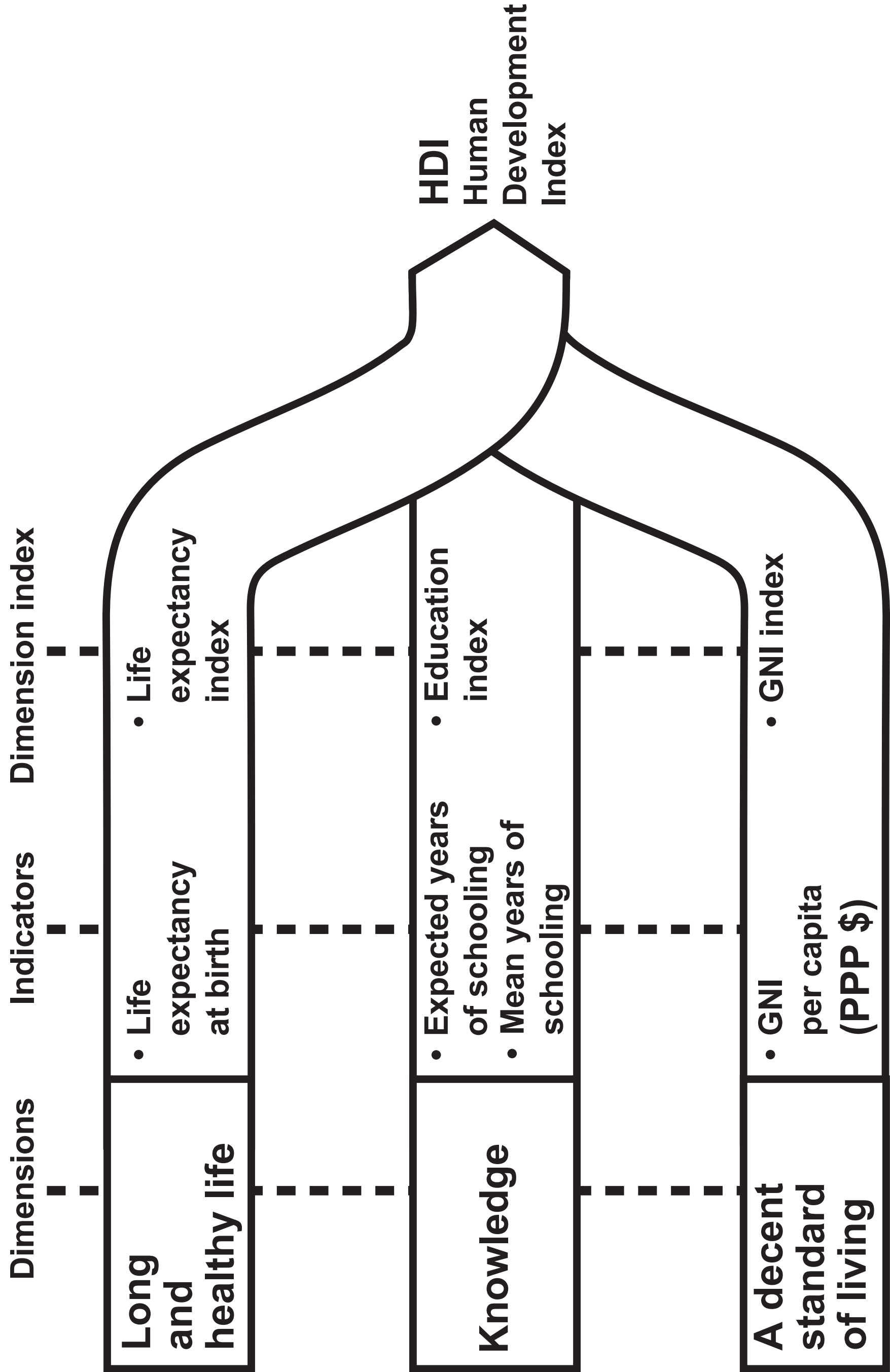


Figure 9c
The Human Development Index (HDI)

Note: GNI is gross national income



Acknowledgements

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File:Frankfurt_am_Main,_Germany,_March_25,_2018_SkySat.jpg

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