

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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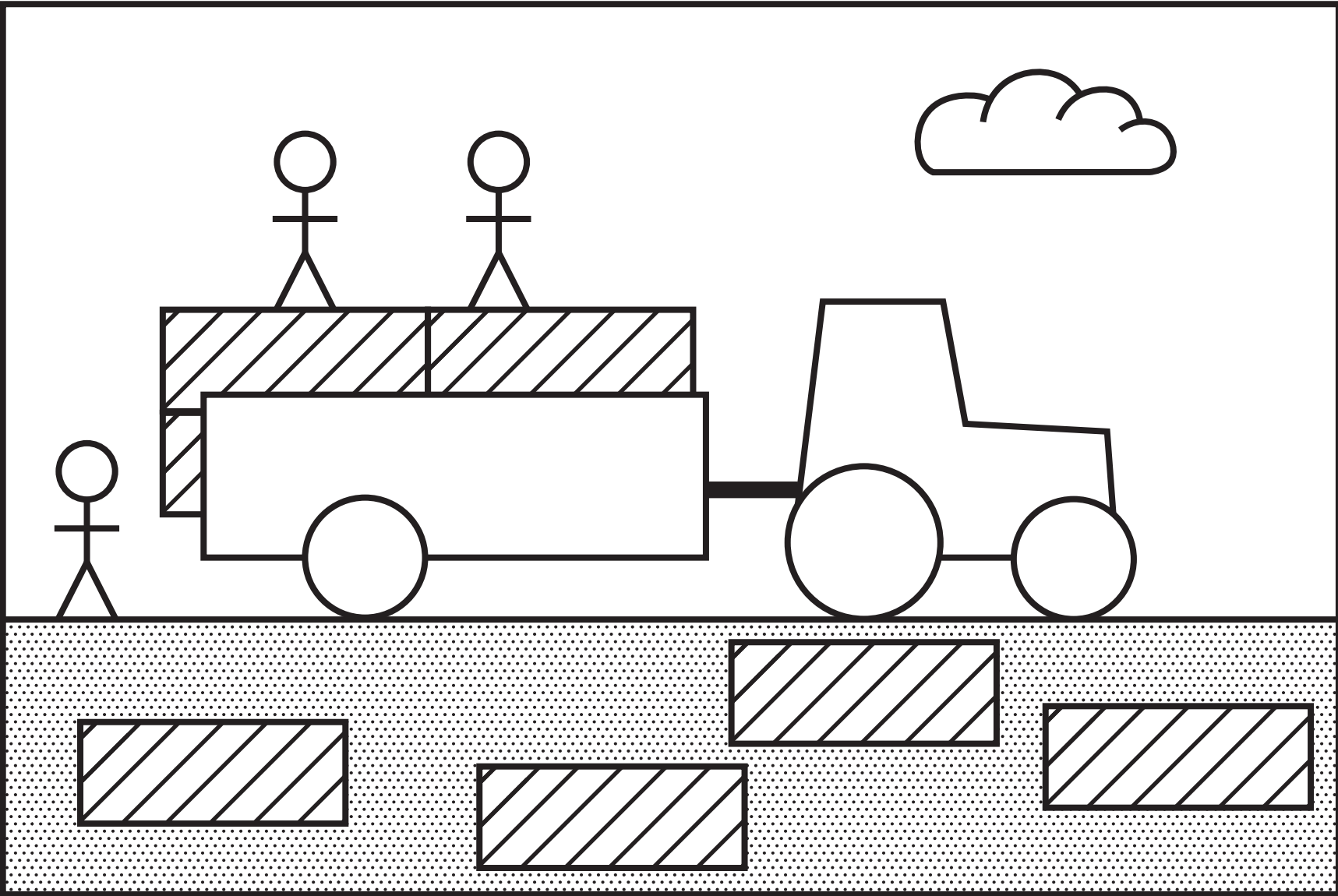
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SECTION A

Figure 1a
Activities in the primary sector



KEY



Tractor and trailer



Hay



Farmers



Field



Clouds

Figure 1b

Global investment in energy efficiency, 2015–2021

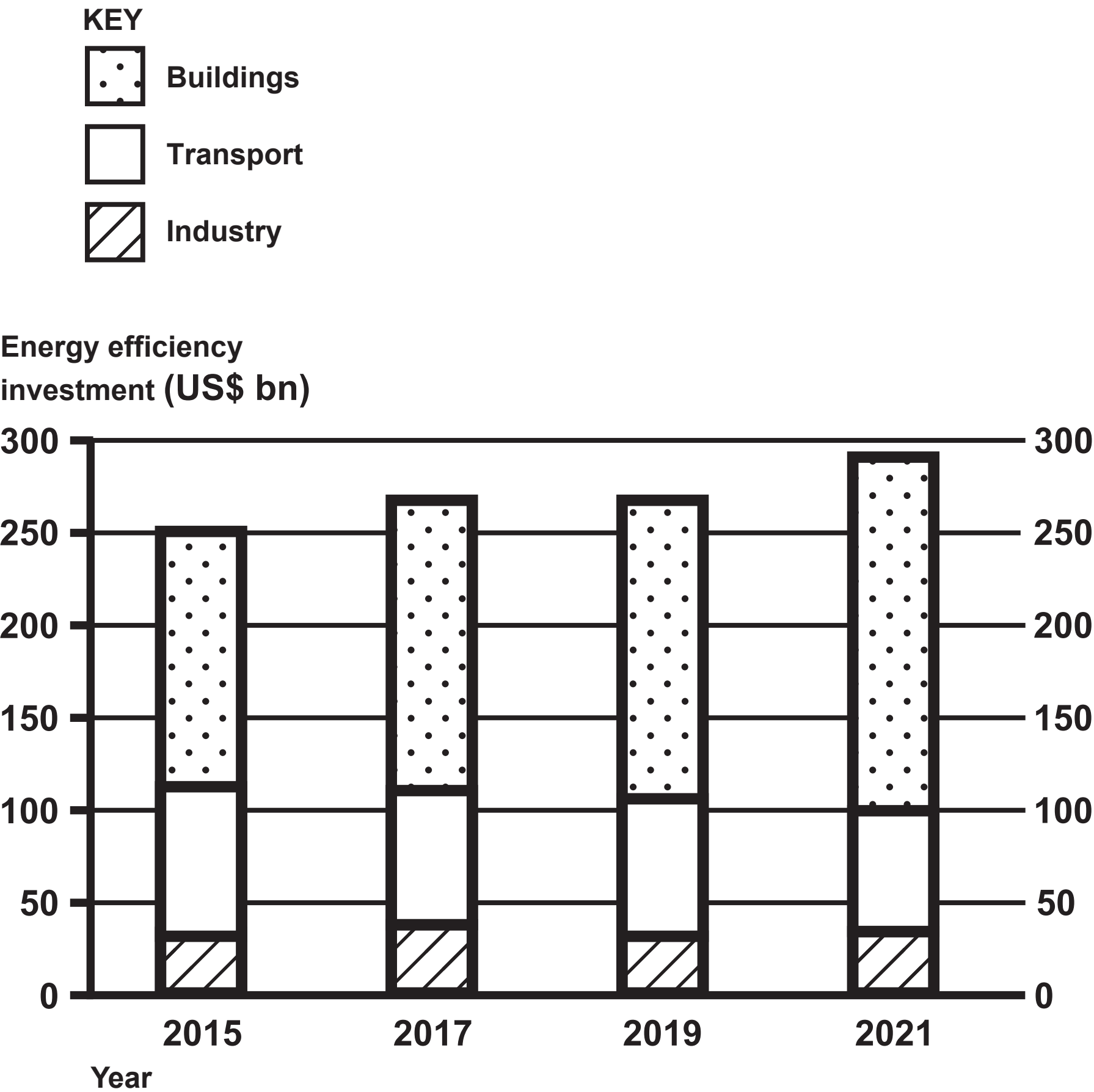


Figure 1c

Energy mix in Africa and the European Union, 2020

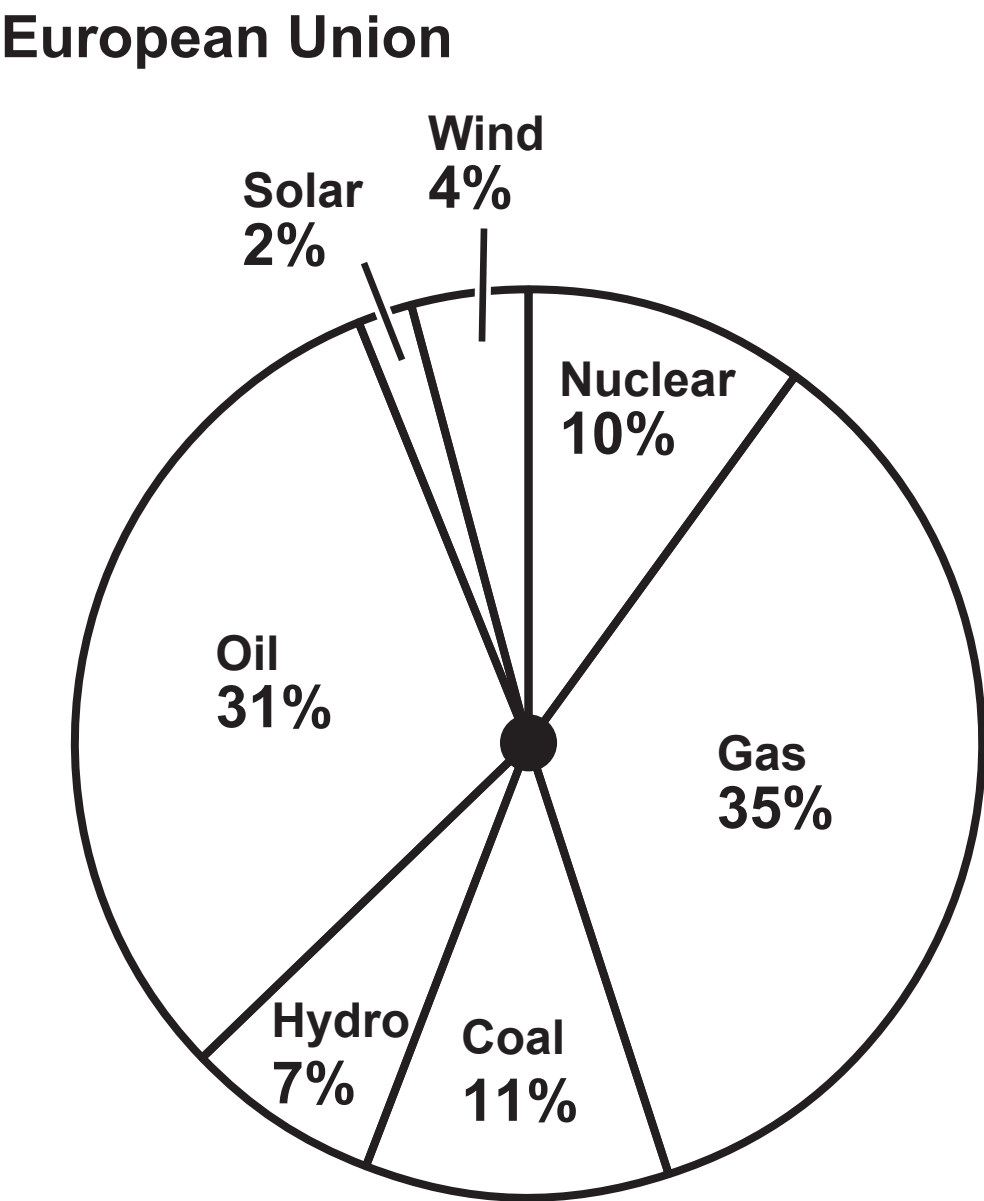
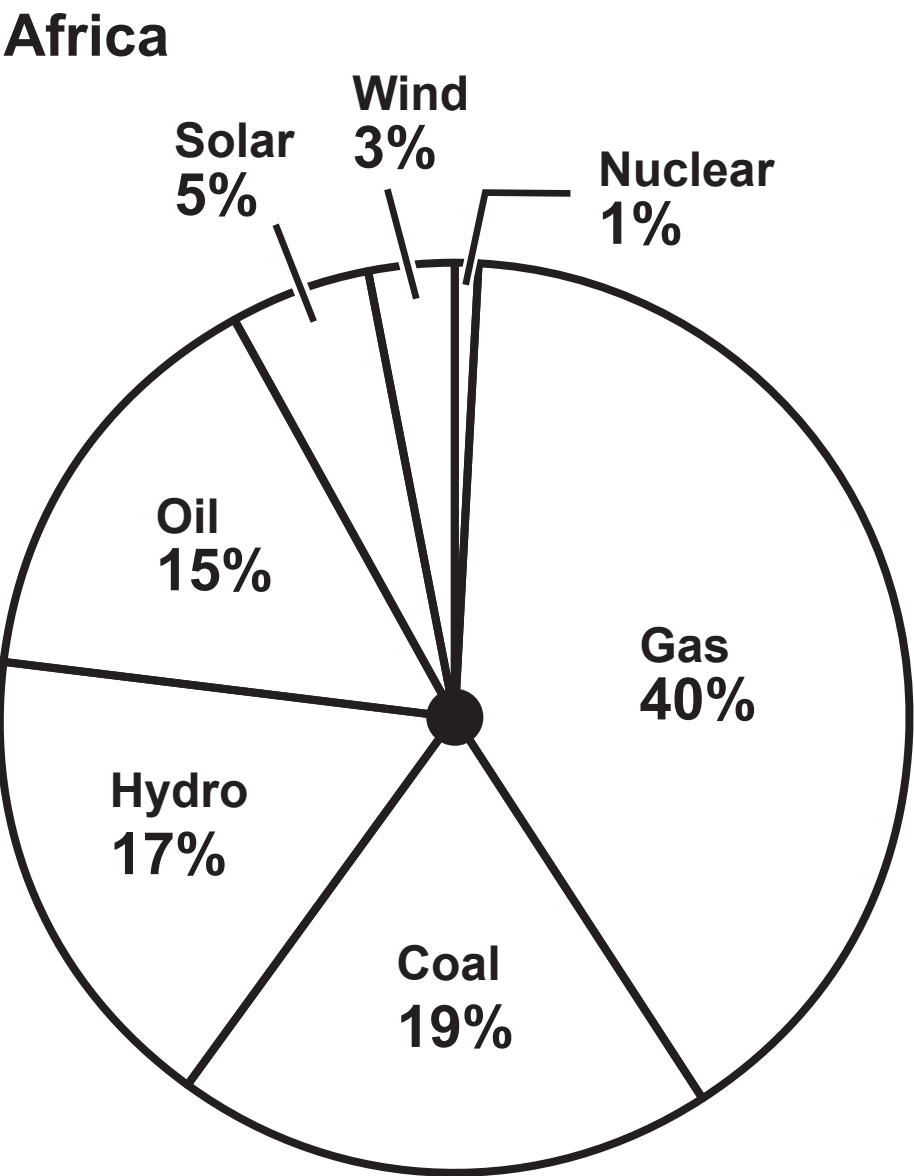


Figure 2a

Global biomes

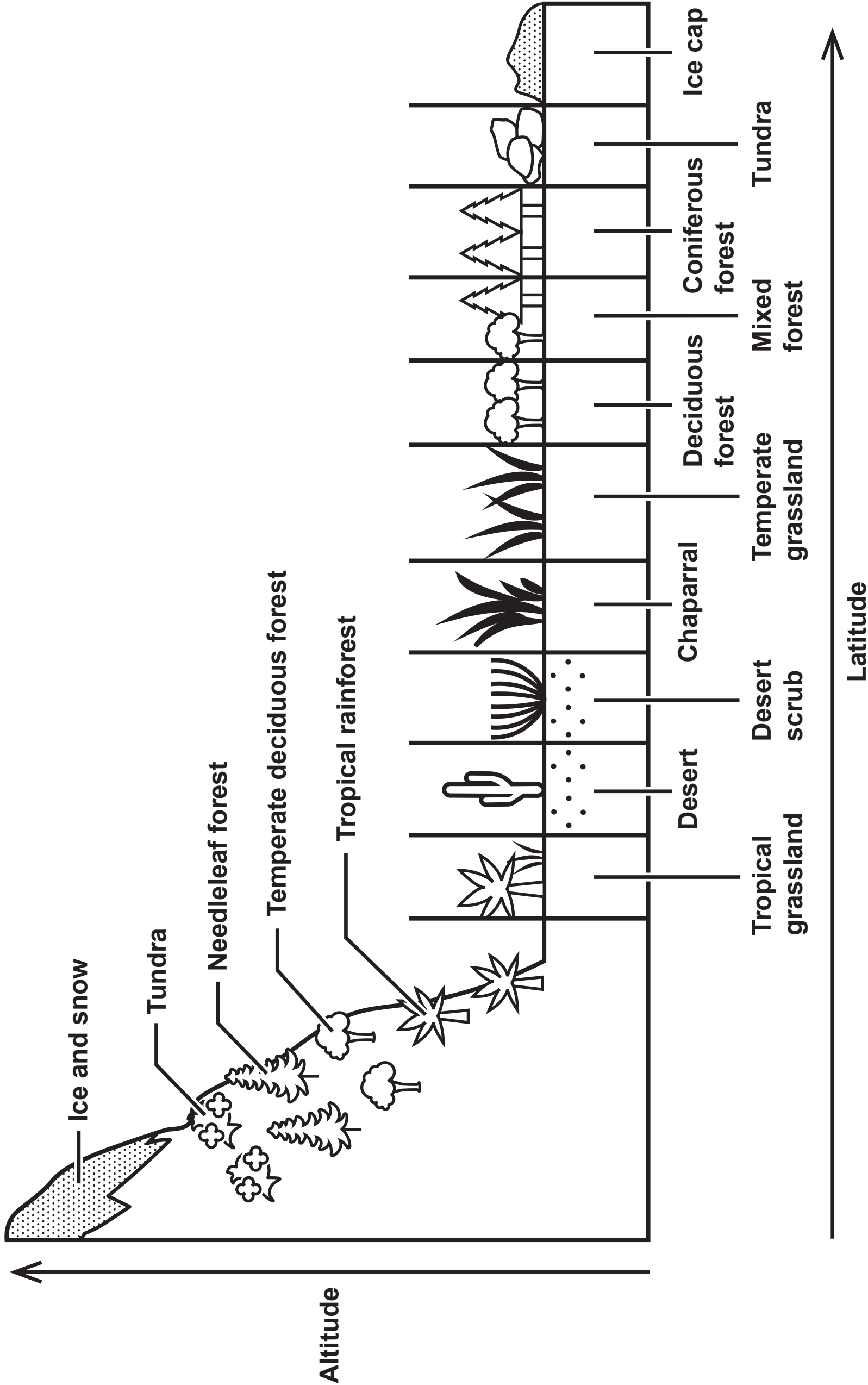


Figure 2b

Average income from farm diversification activities in England, 2022

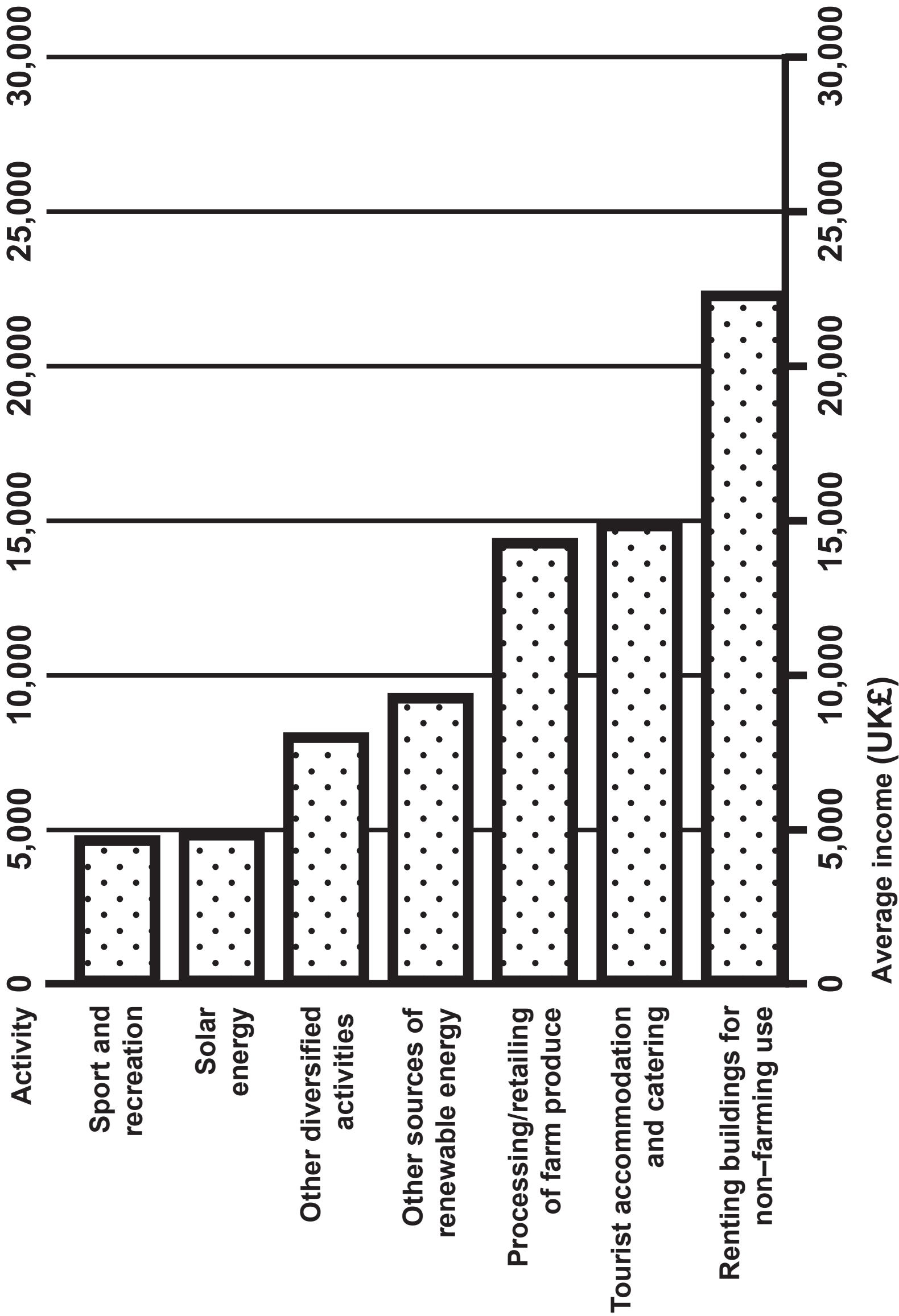


Figure 2c

Ecosystem goods and services

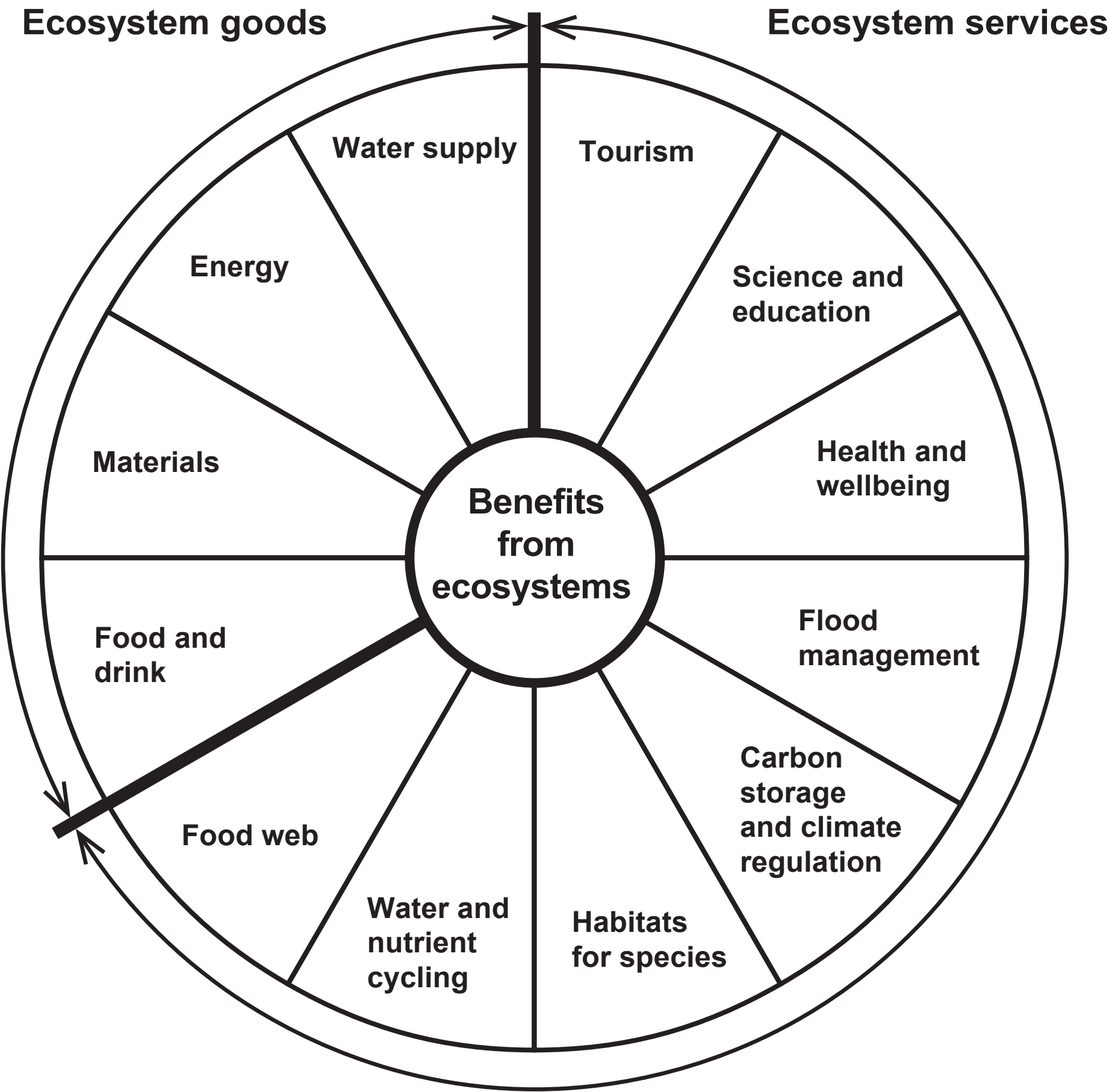
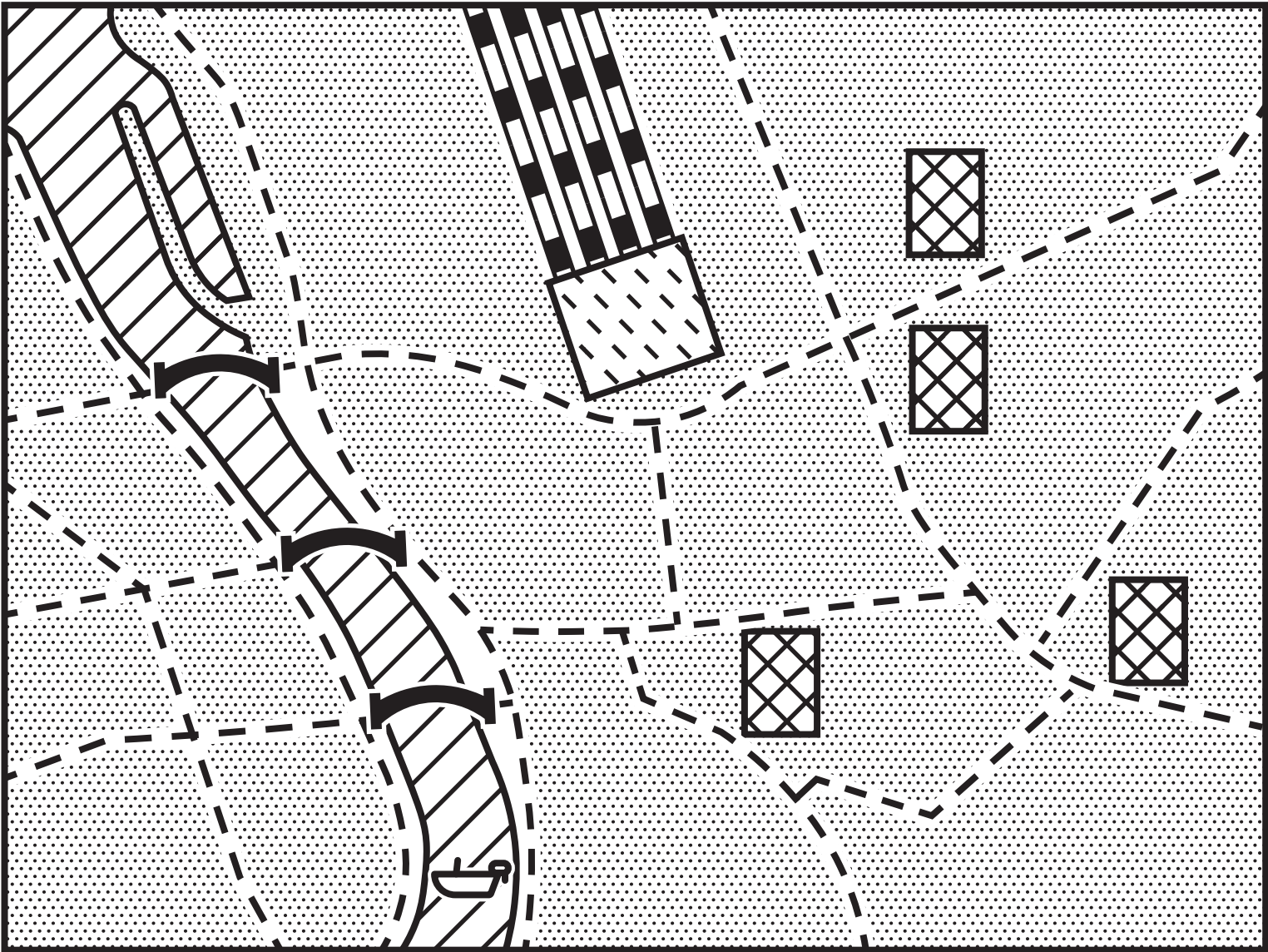


Figure 3a

Aerial photograph of Frankfurt, Germany



KEY

 Buildings

 River

 Bridges

 High rise buildings

 Roads

 Boat

 Train station

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)

PM2·5
(µg/m³)

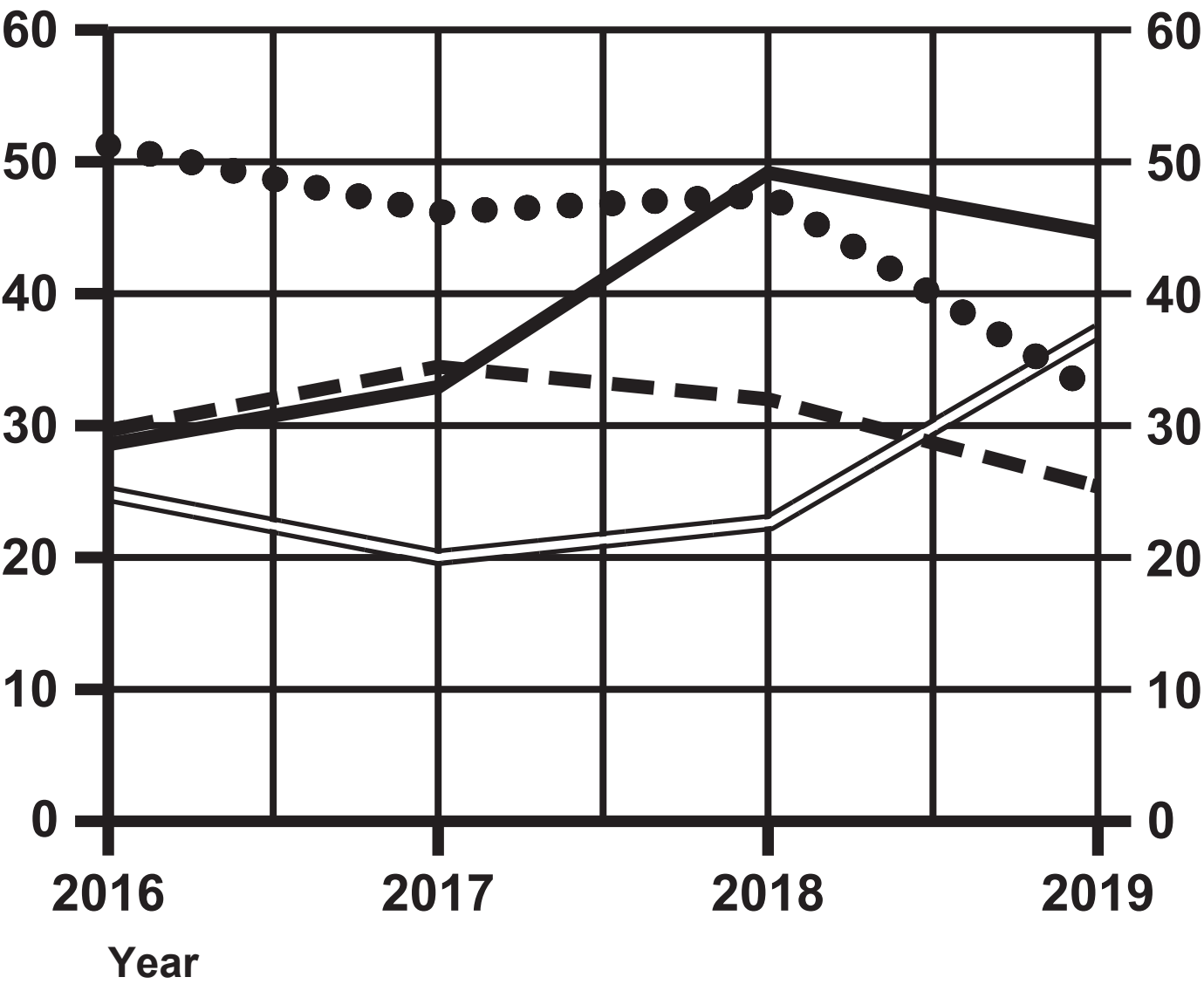


Figure 3c – Key

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



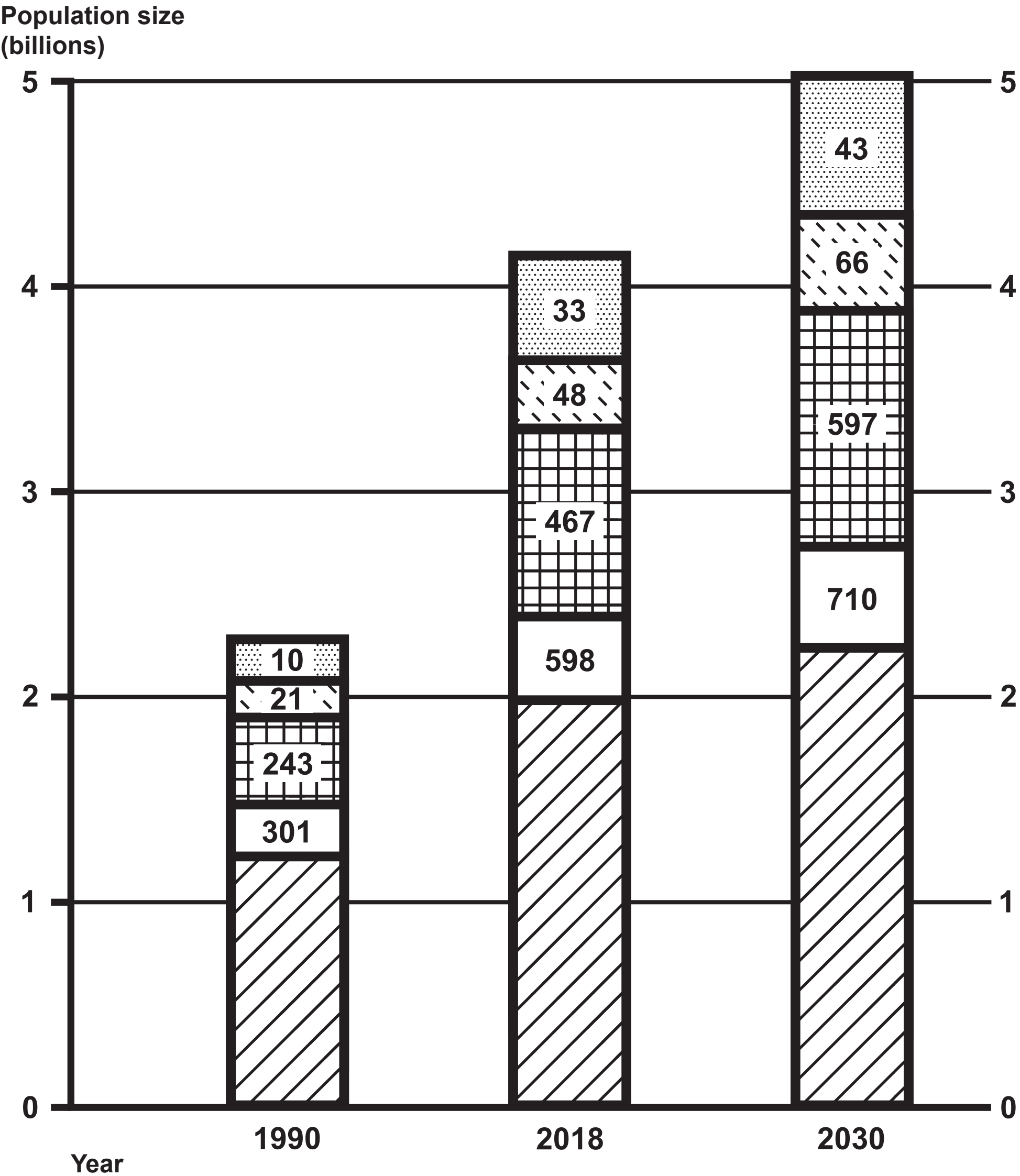
Regional cities
Population: 500,000 to 1 million. Examples: Syracuse, Ann Arbor, Liverpool



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



SECTION B

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	<p>To which age group do you belong?</p> <p>_____</p>															
Q2	<p>How long have you lived in this area?</p> <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	<p>What are your views on renewable energy?</p> <p>_____</p> <p>_____</p>															
Q4	<p>Do you support the construction of a new wind farm?</p> <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	<p>What do you think the land should be used for?</p> <p>_____</p>															
Q6	<p>On a scale of 1–5 what impact do you think the new wind farm will have on the local area?</p> <table><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr><tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr><tr><td colspan="3">(Very negative)</td><td colspan="2">(Very positive)</td></tr></table>	1	2	3	4	5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(Very negative)			(Very positive)	
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)	Review of newspaper articles
Environmental quality survey sheet	Photographs
Interview guide	Environmental quality survey
	Interviews

Figure 6b

Interview guide

Interview guide																
Q1	<p>To which age group do you belong?</p> <p>_____</p>															
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<input type="checkbox"/>	<input type="checkbox"/>															
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Q6	<p>On a scale of 1–5 what impact do you think the new train line will have on the local area?</p> <table><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr><tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr><tr><td>(Very negative)</td><td></td><td></td><td></td><td>(Very positive)</td></tr></table>	1	2	3	4	5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(Very negative)				(Very positive)
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<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

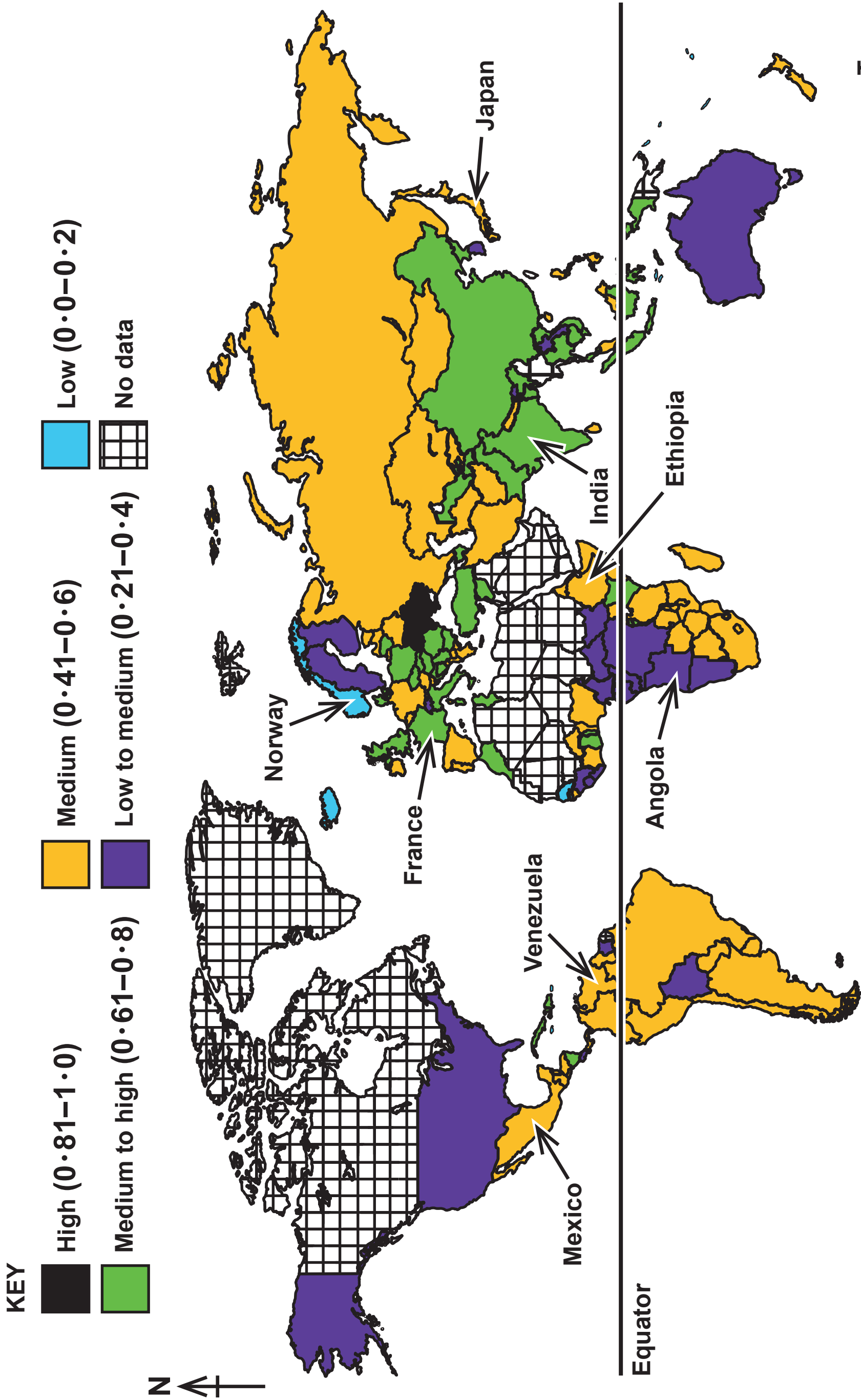


Figure 7a (Colour) – Part 2

Global distribution of drought risk

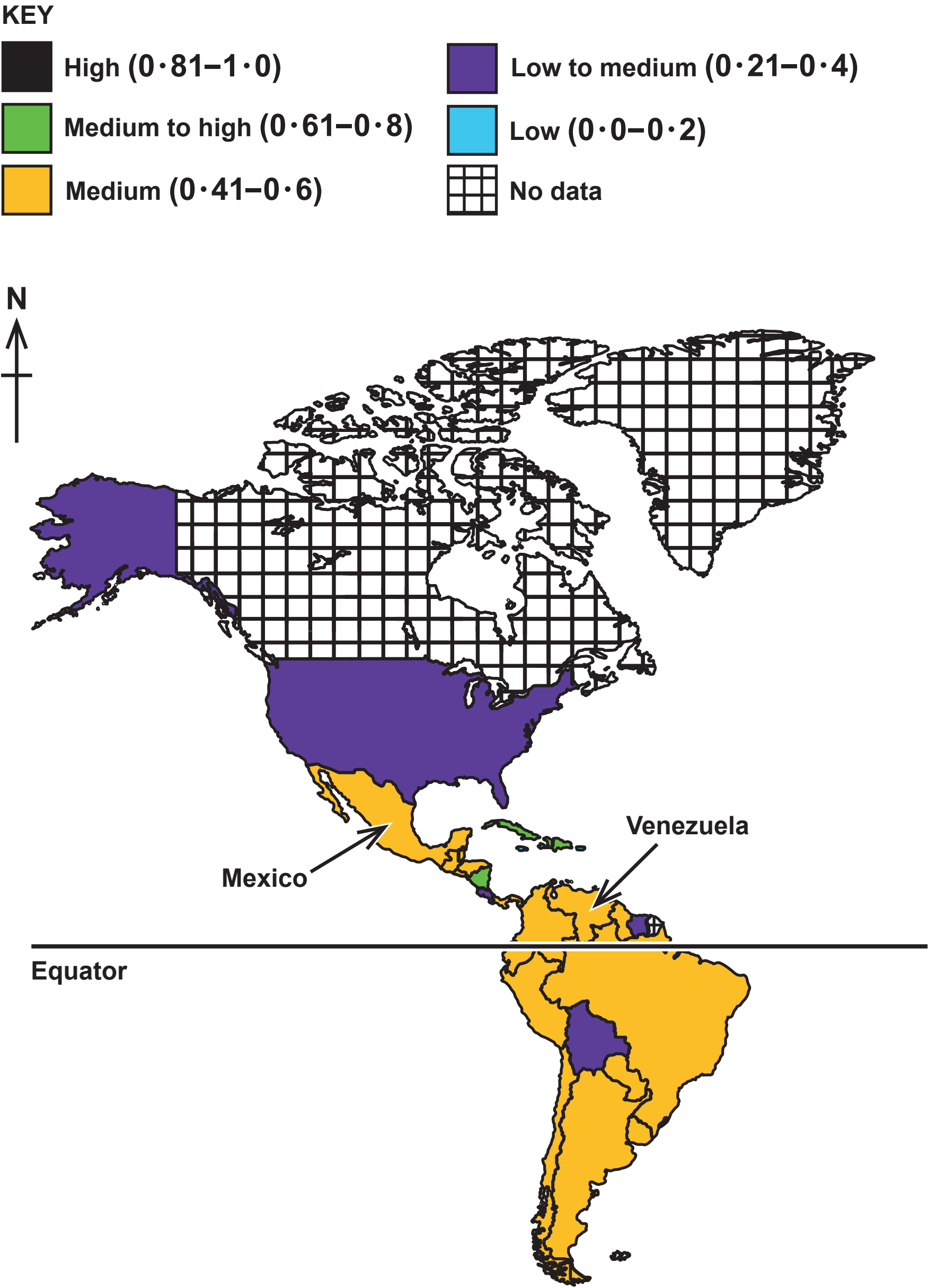


Figure 7a (Colour) – Part 3

Global distribution of drought risk

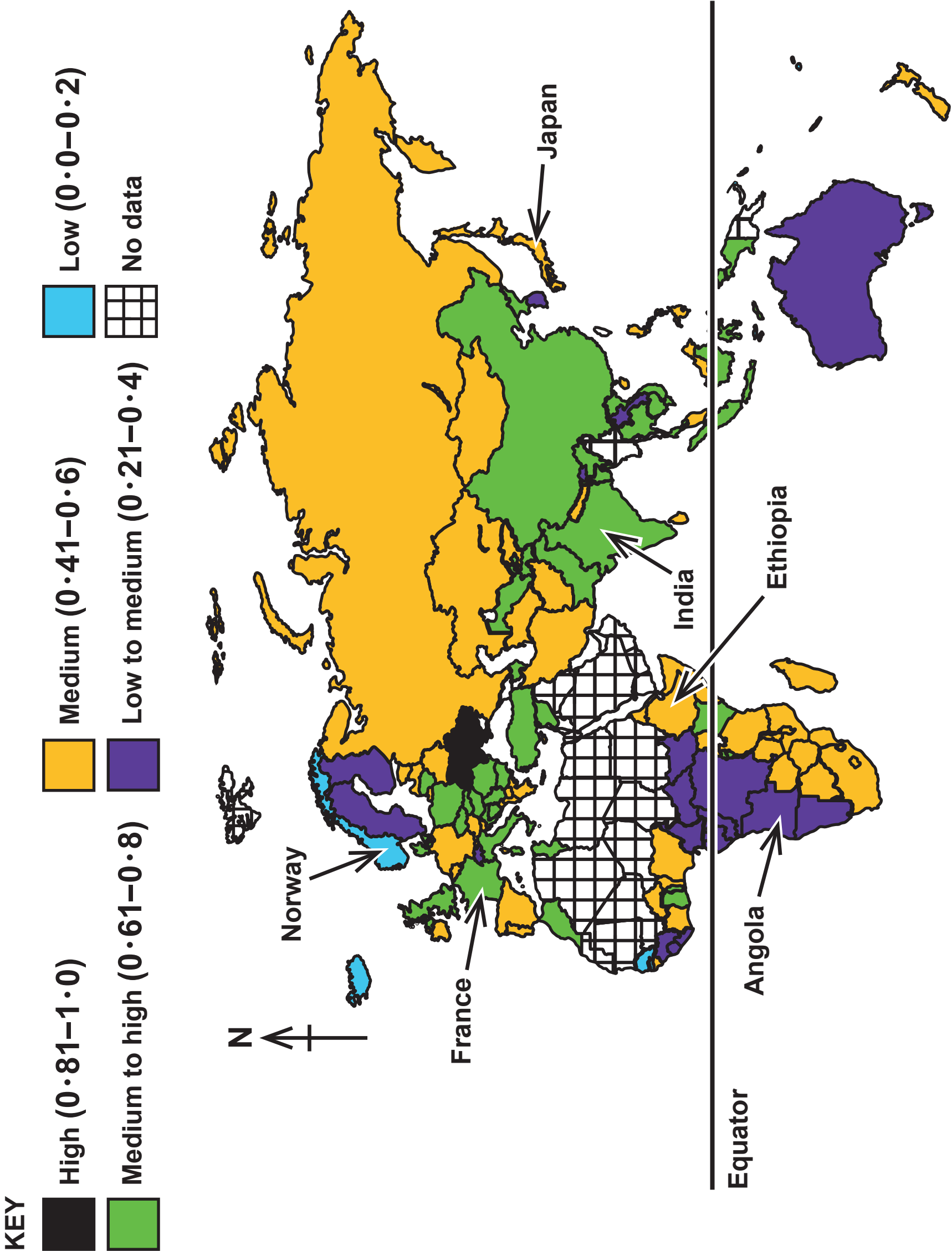


Figure 7a (Black and White) – Part 1

Global distribution of drought risk

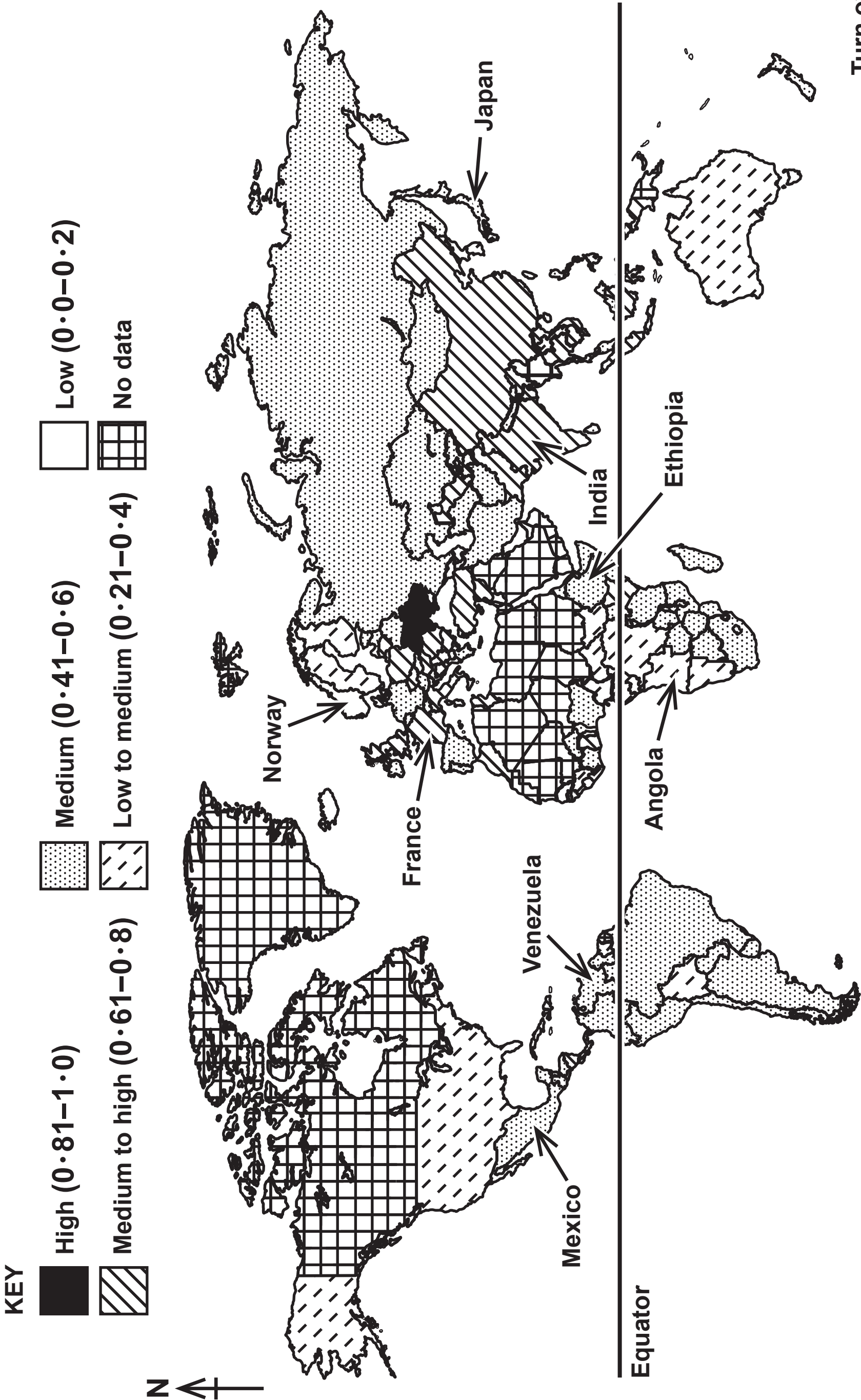


Figure 7a (Black and White) – Part 2

Global distribution of drought risk

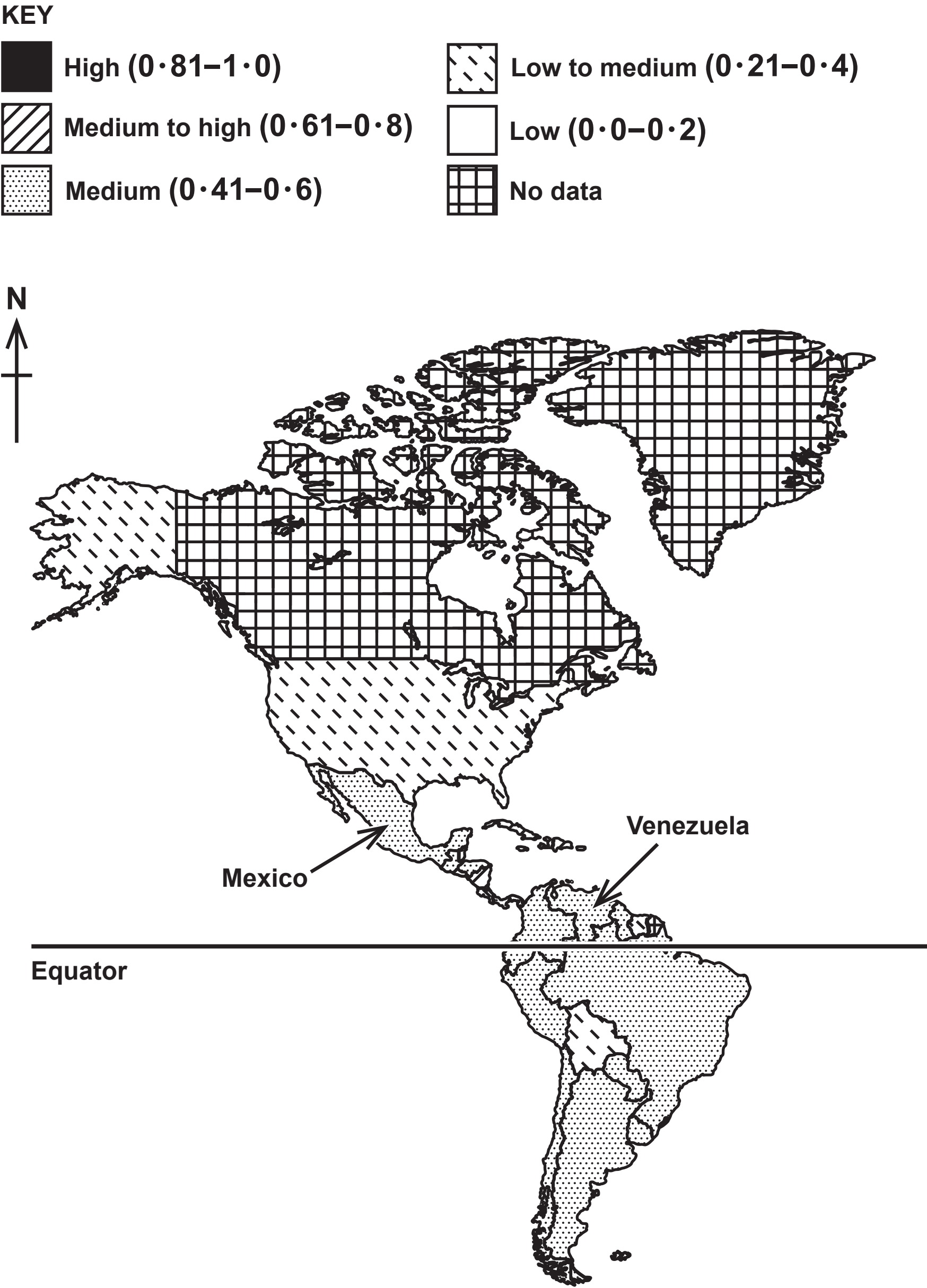


Figure 7a (Black and White) – Part 3

Global distribution of drought risk

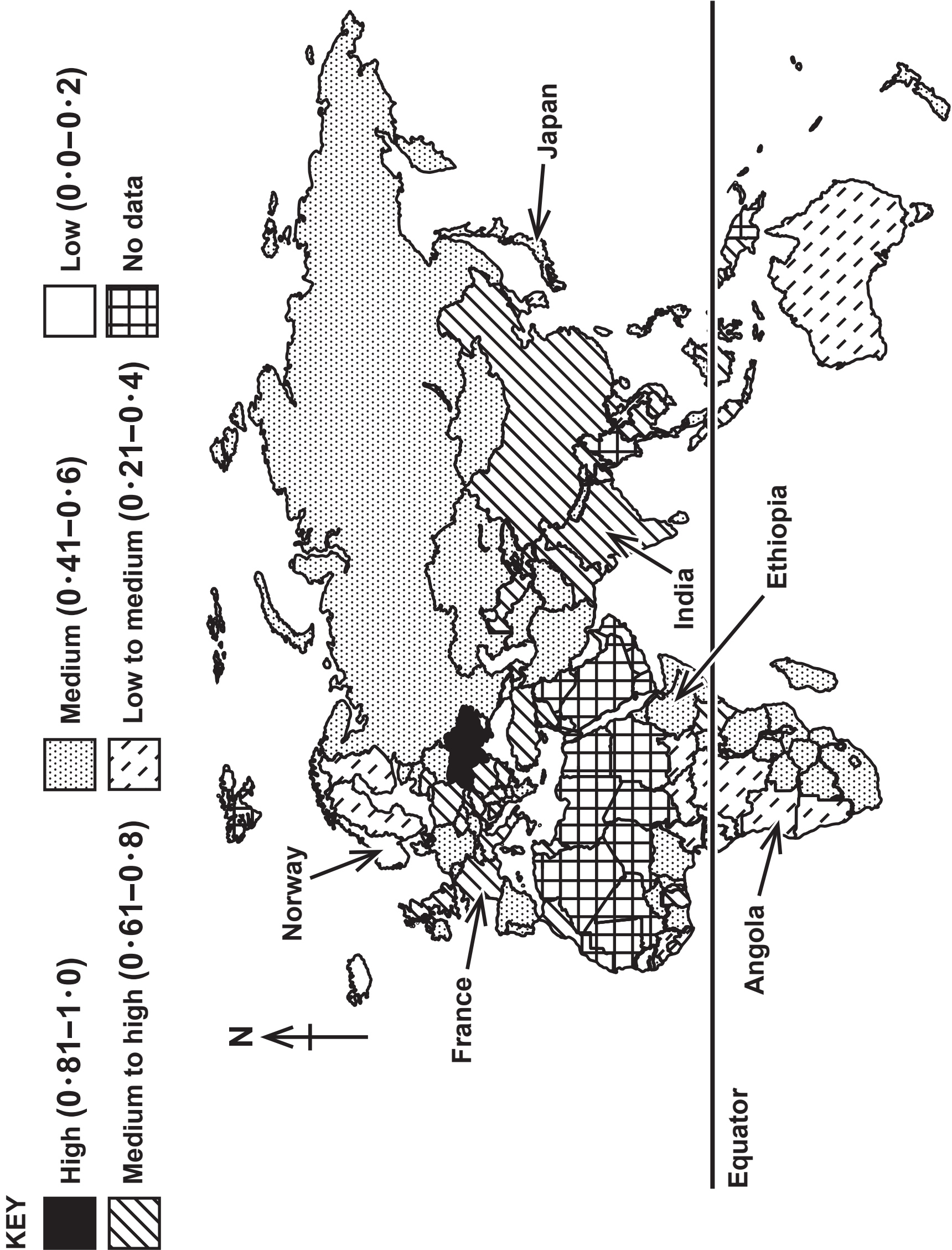


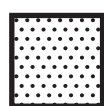
Figure 7b – Key**Information on global forest loss, 2001–2015****KEY: Cause of forest loss****Wildfires****Deforestation for logging to make paper and pulp****Deforestation from agriculture, mining and urbanisation****A. Central and South America****B. Southeast Asia****C. Africa****D. North America****E. Russia, China, South Asia****F. Europe****G. Oceania**

Figure 7b – Diagram

Information on global forest loss, 2001–2015

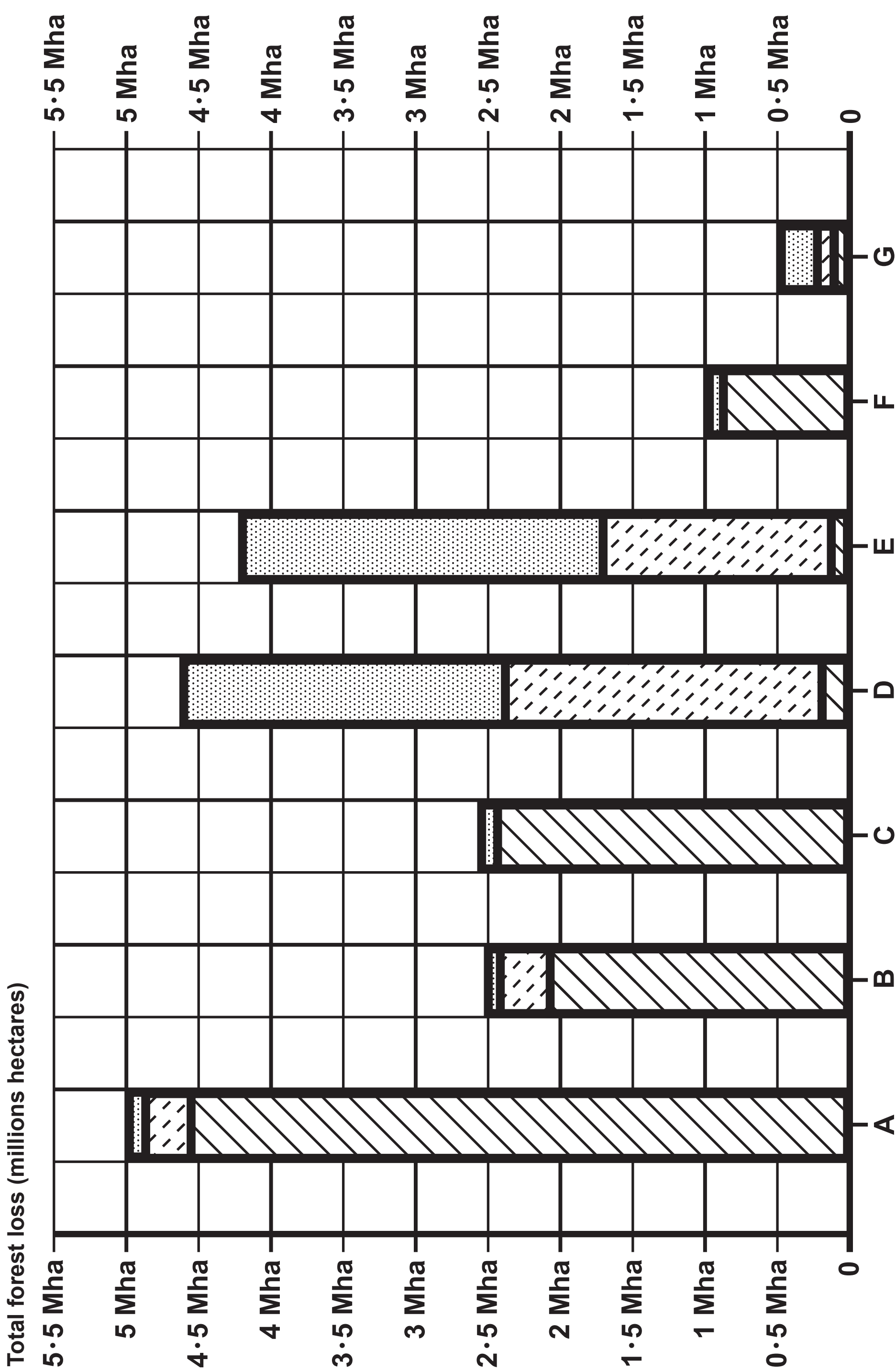


Figure 7c

Selected impacts of deforestation

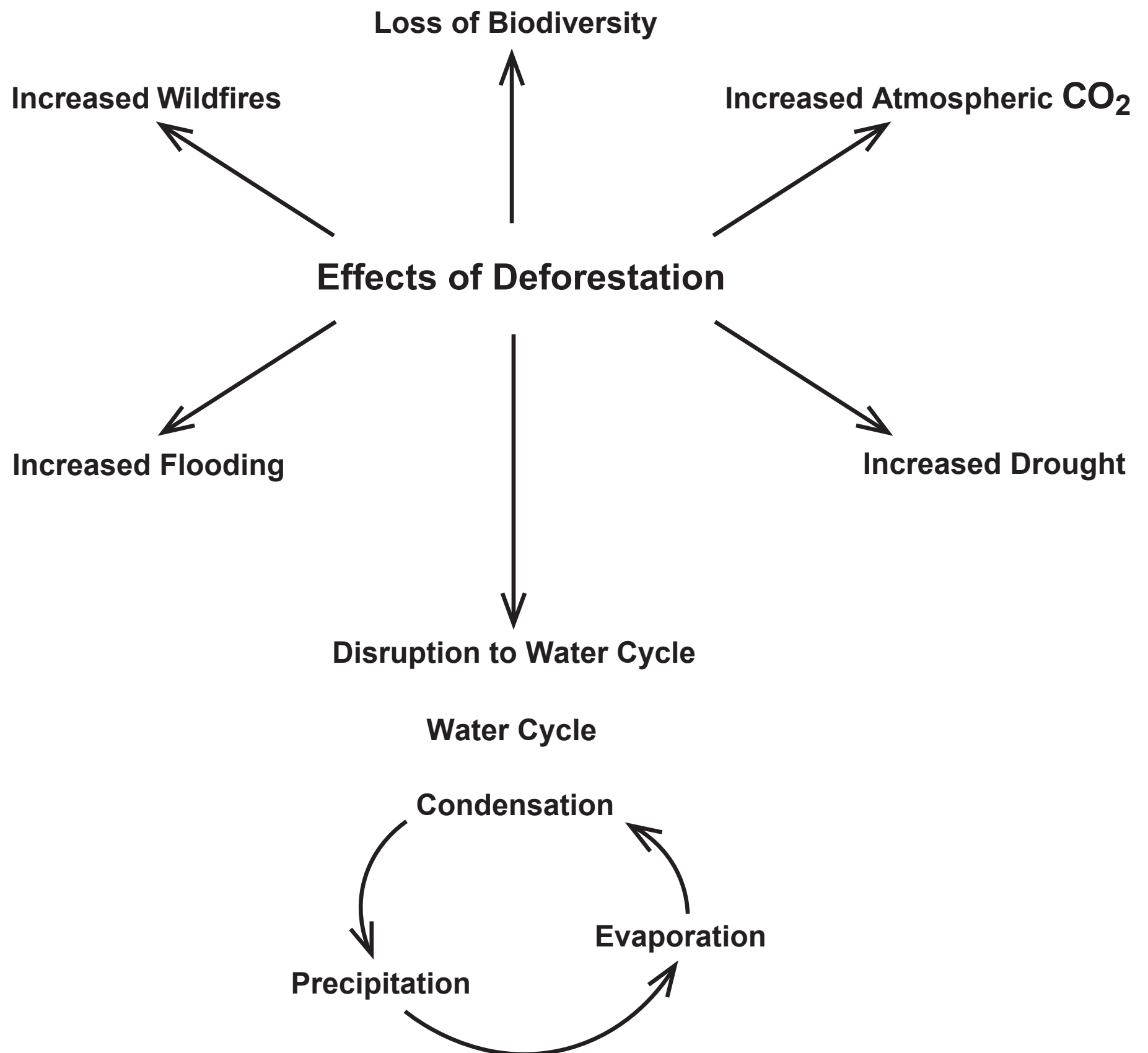


Figure 8a (Colour) – Part 1

Net annual migration per 1000 population, 2017–2021

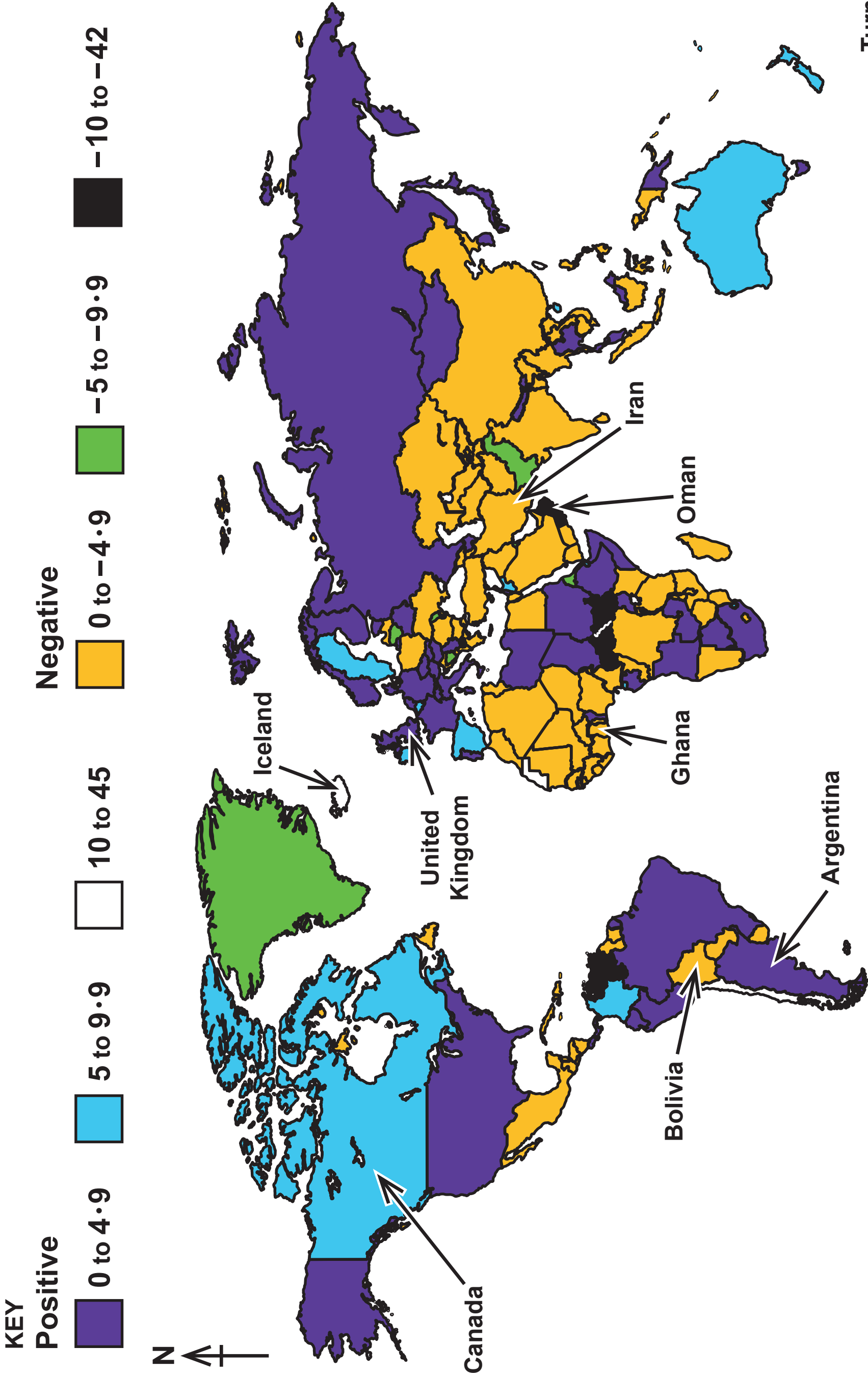
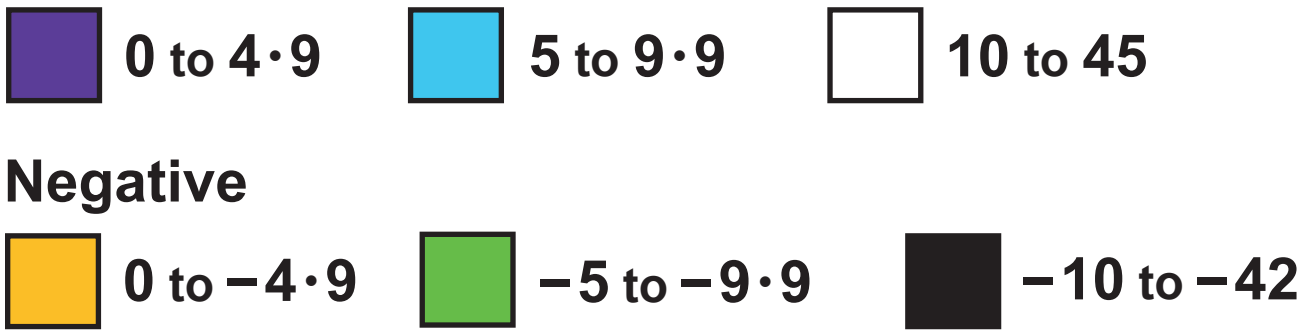


Figure 8a (Colour) – Part 2

Net annual migration per 1000 population, 2017–2021

KEY

Positive



Negative



Figure 8a (Colour) – Part 3

Net annual migration per 1000 population, 2017–2021

KEY

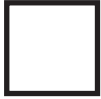
Positive



0 to 4.9



5 to 9.9



10 to 45

Negative



0 to -4.9



-5 to -9.9



-10 to -42

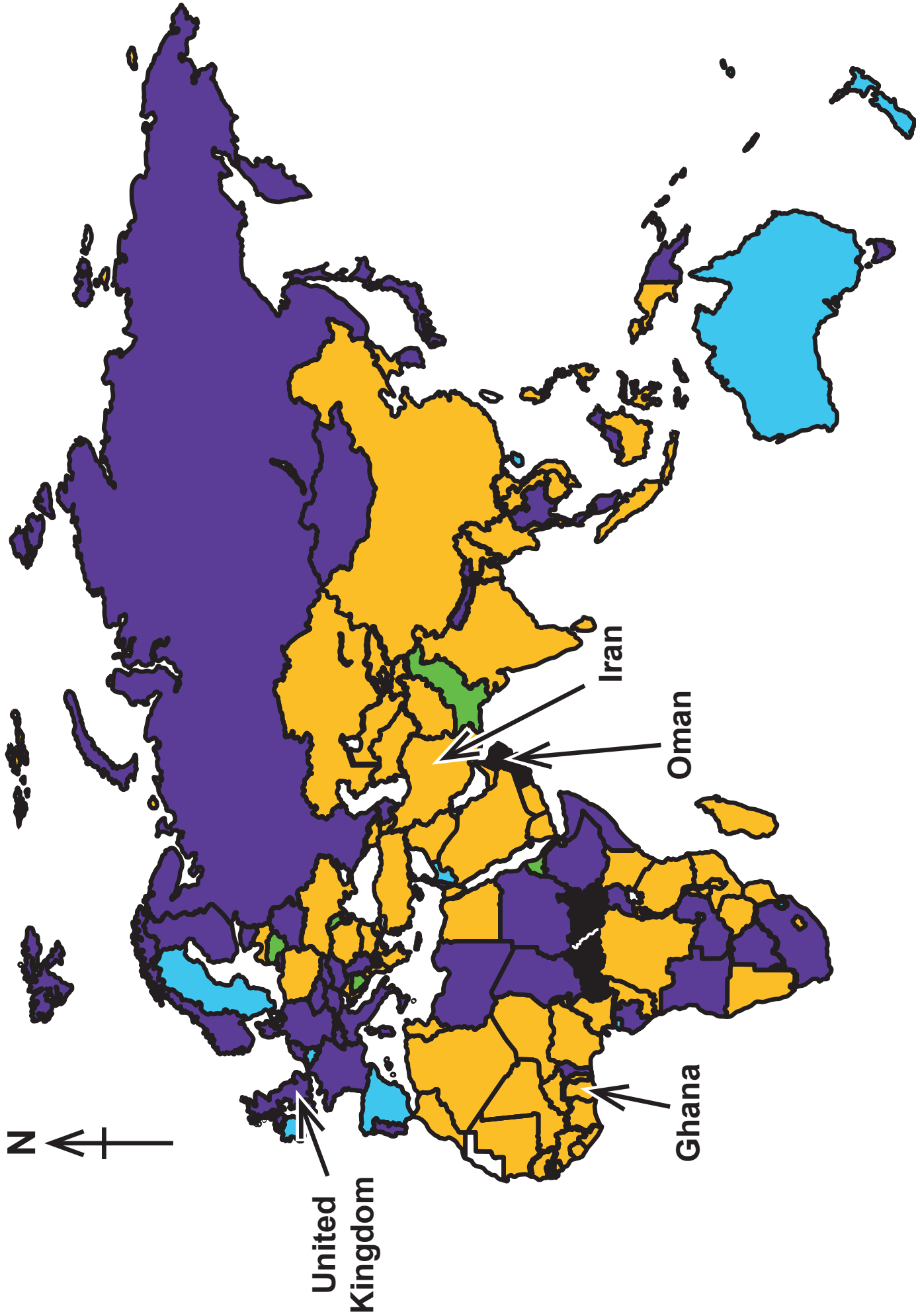


Figure 8a (Black and White) – Part 1

Net annual migration per 1000 population, 2017–2021

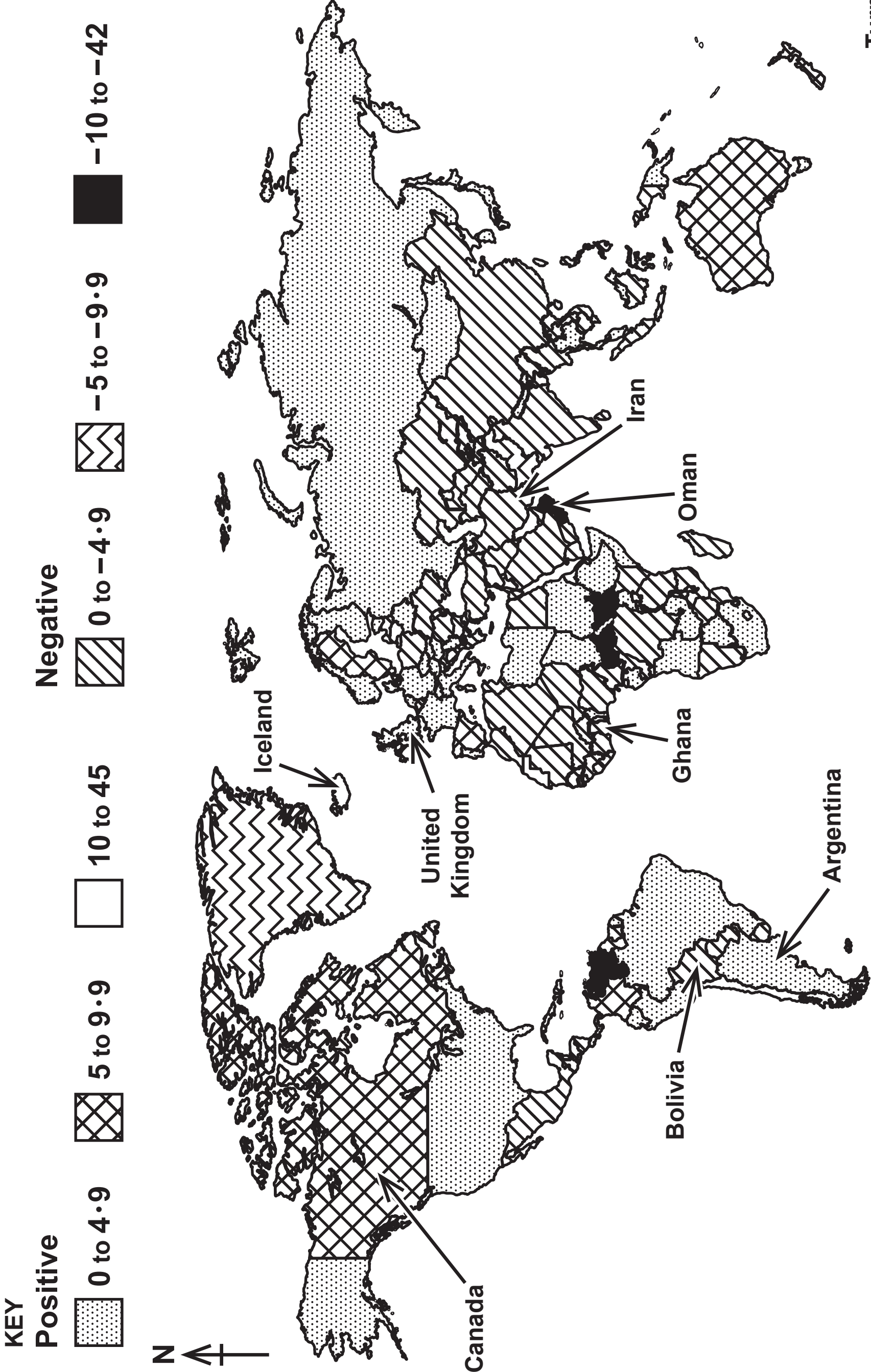


Figure 8a (Black and White) – Part 2

Net annual migration per 1000 population, 2017–2021

KEY

Positive



Negative

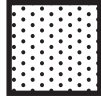


Figure 8a (Black and White) – Part 3

Net annual migration per 1000 population, 2017–2021

KEY

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0 to 4.9



5 to 9.9



10 to 45

Negative



0 to -4.9



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-10 to -42

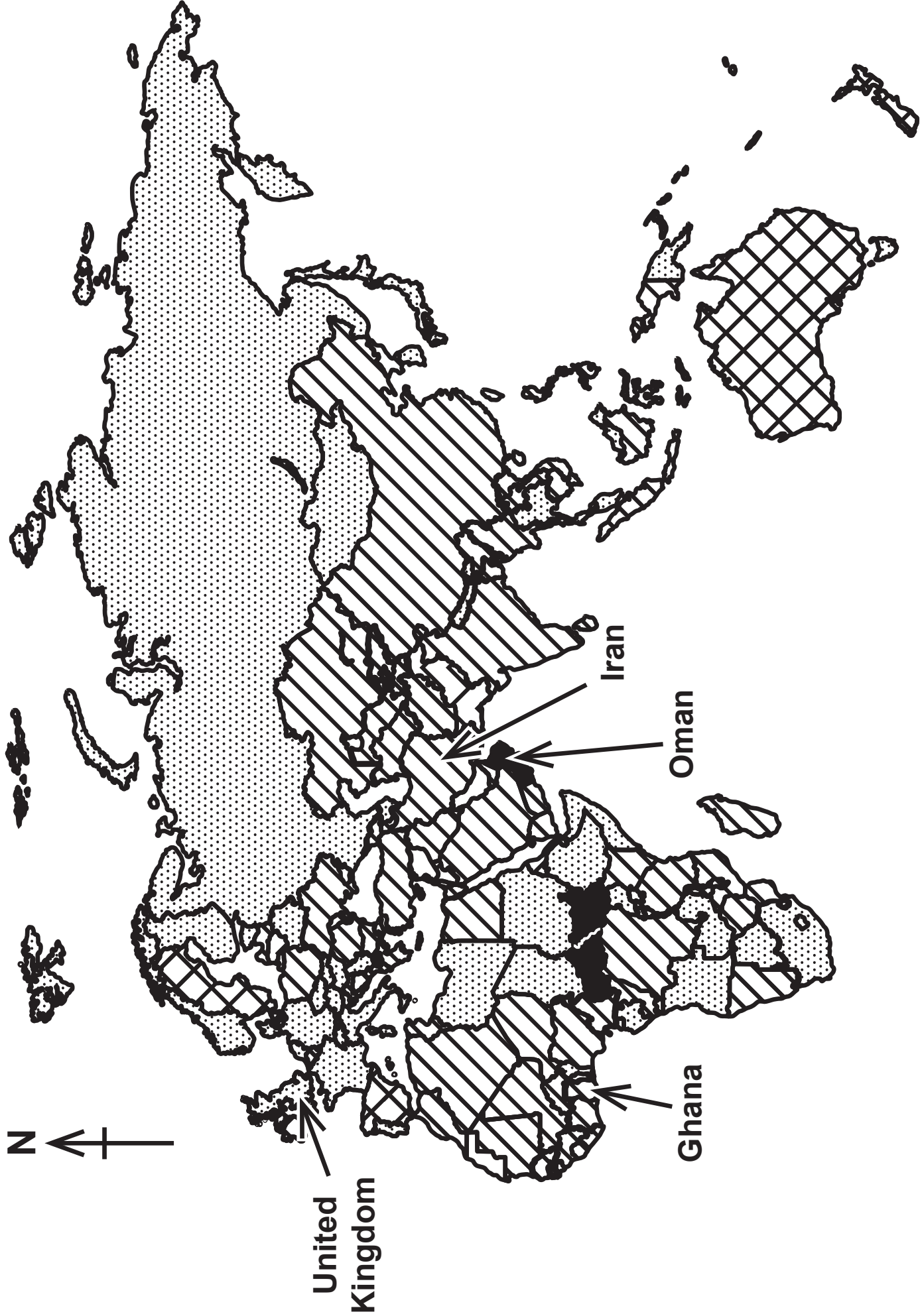


Figure 8b

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

KEY

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

Development aid received per capita (US\$)

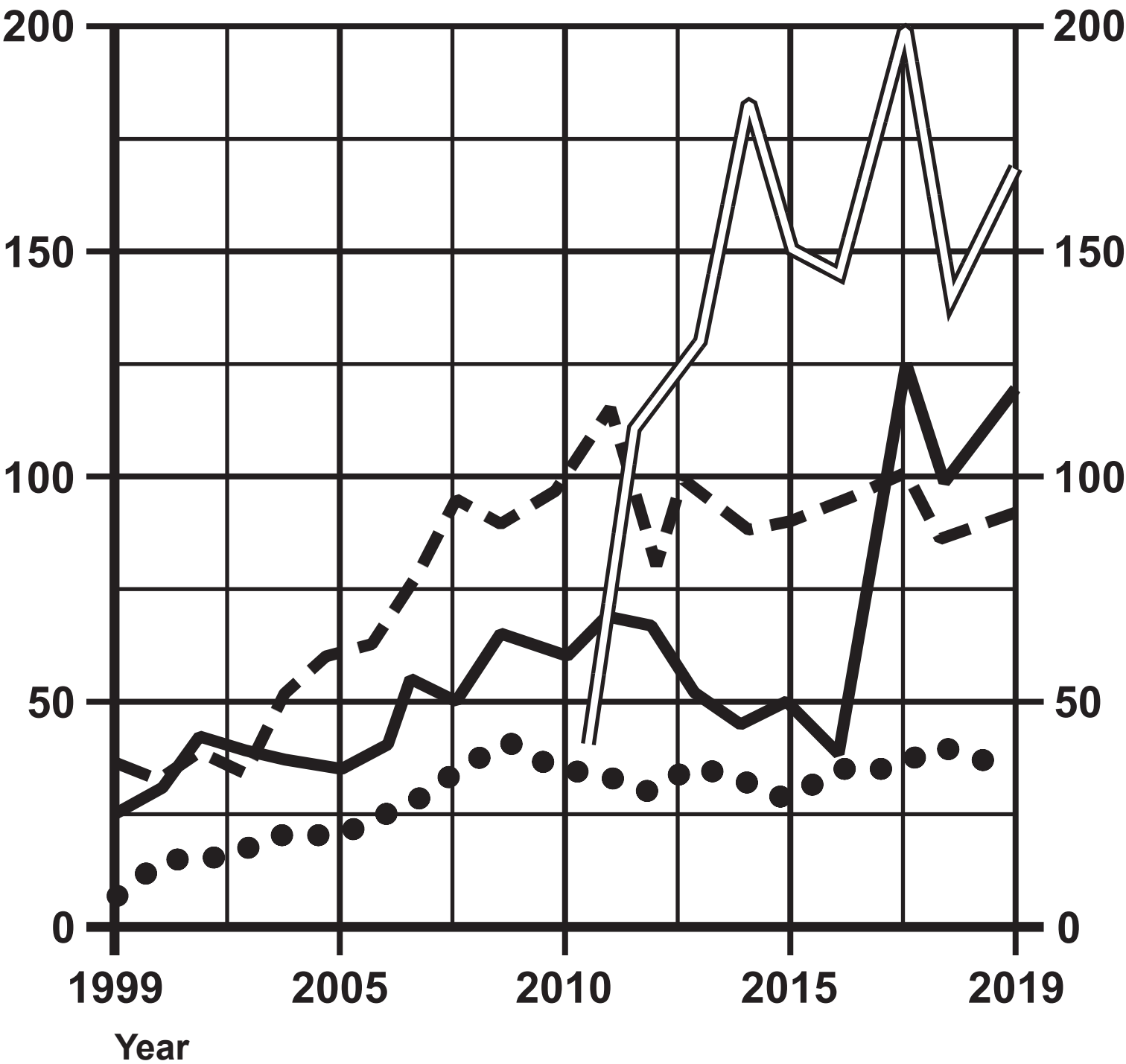


Figure 8c (Colour)

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

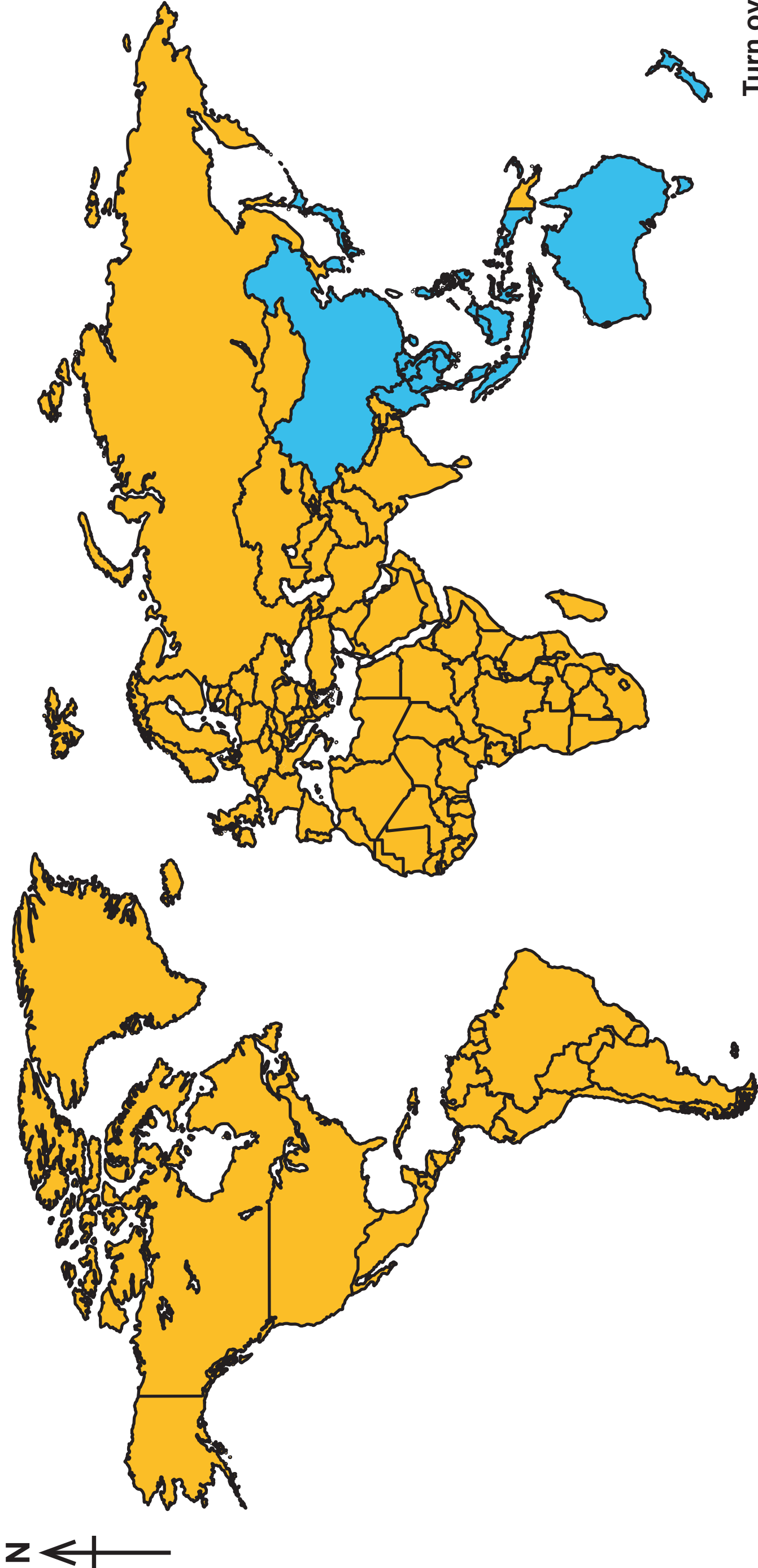


Figure 8c (Black and White)

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

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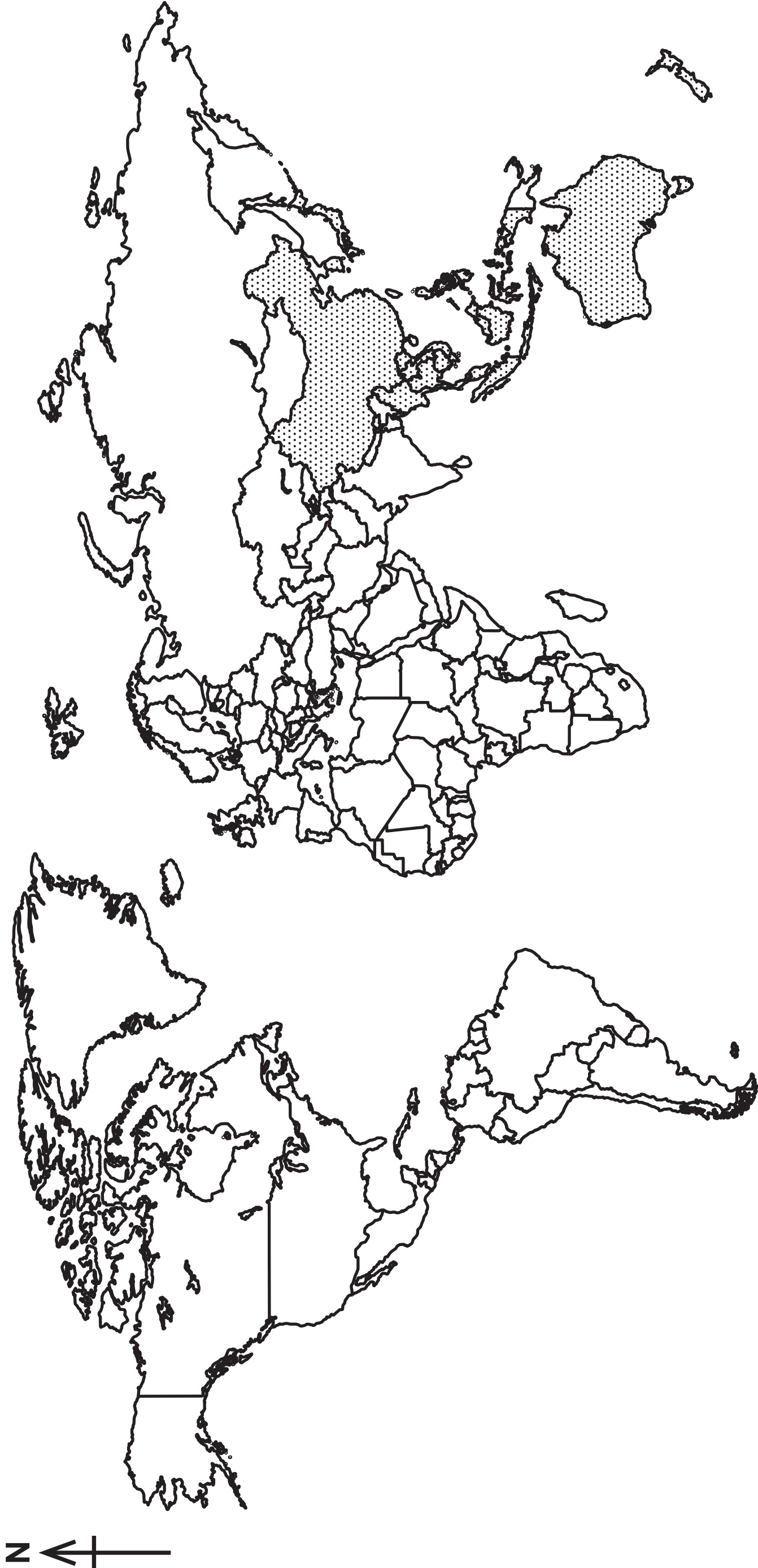


Figure 9a (Colour) – Part 1

Life expectancy, 2022

KEY

≤58 years 59–65 years 66–73 years 74–82 years 83+ years



N

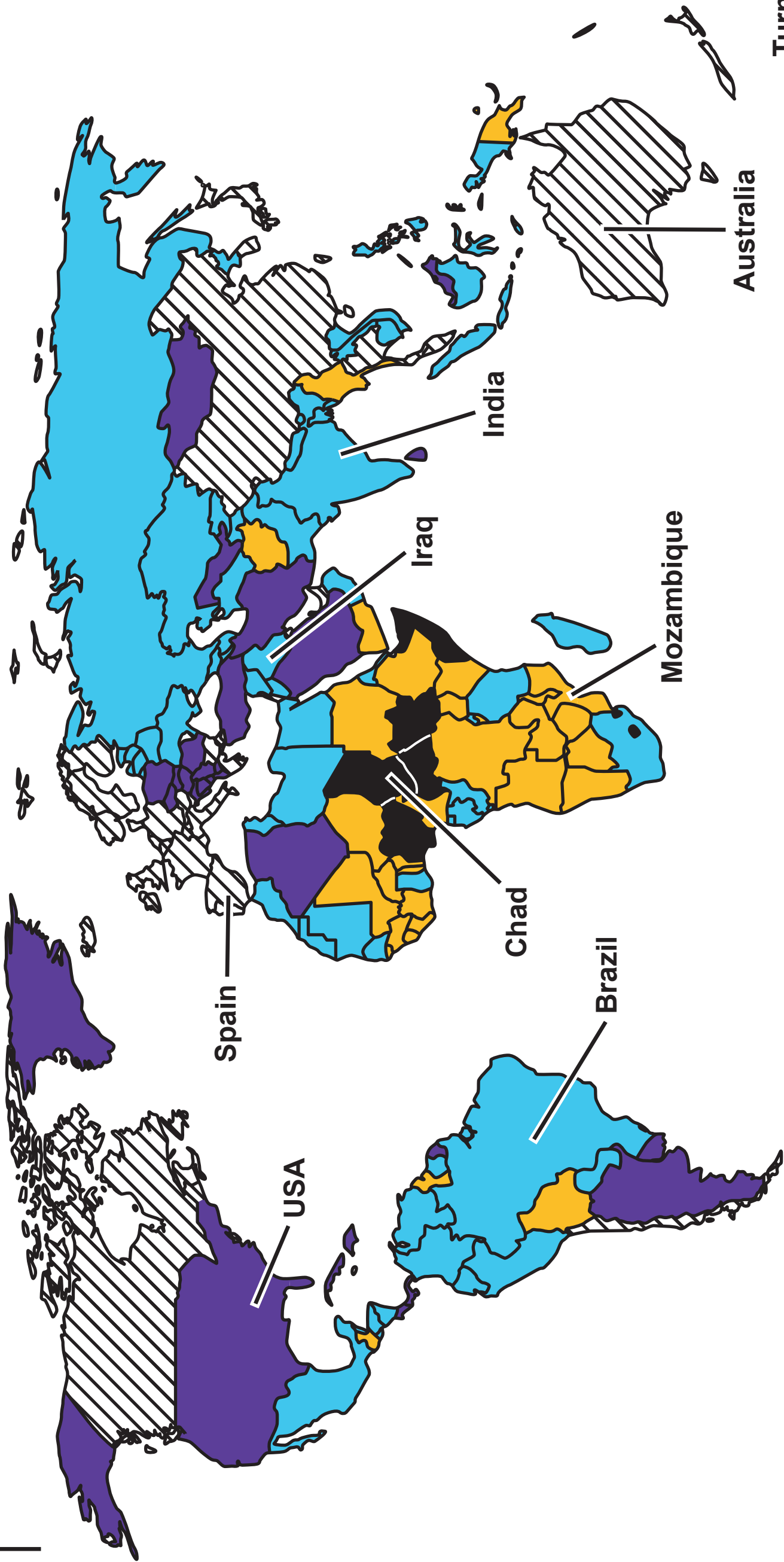


Figure 9a (Colour) – Part 2

Life expectancy, 2022

KEY

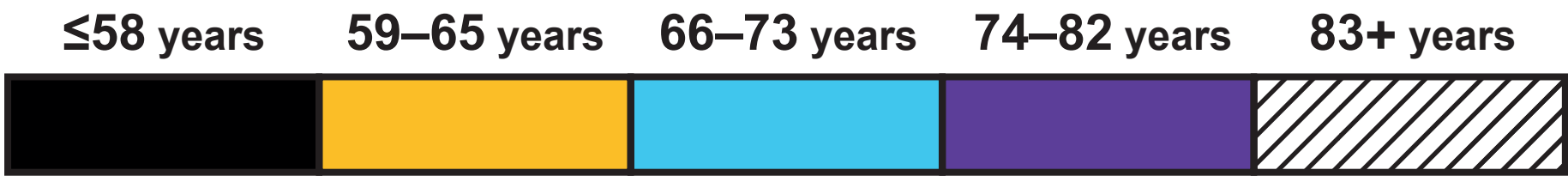


Figure 9a (Colour) – Part 3

Life expectancy, 2022

KEY

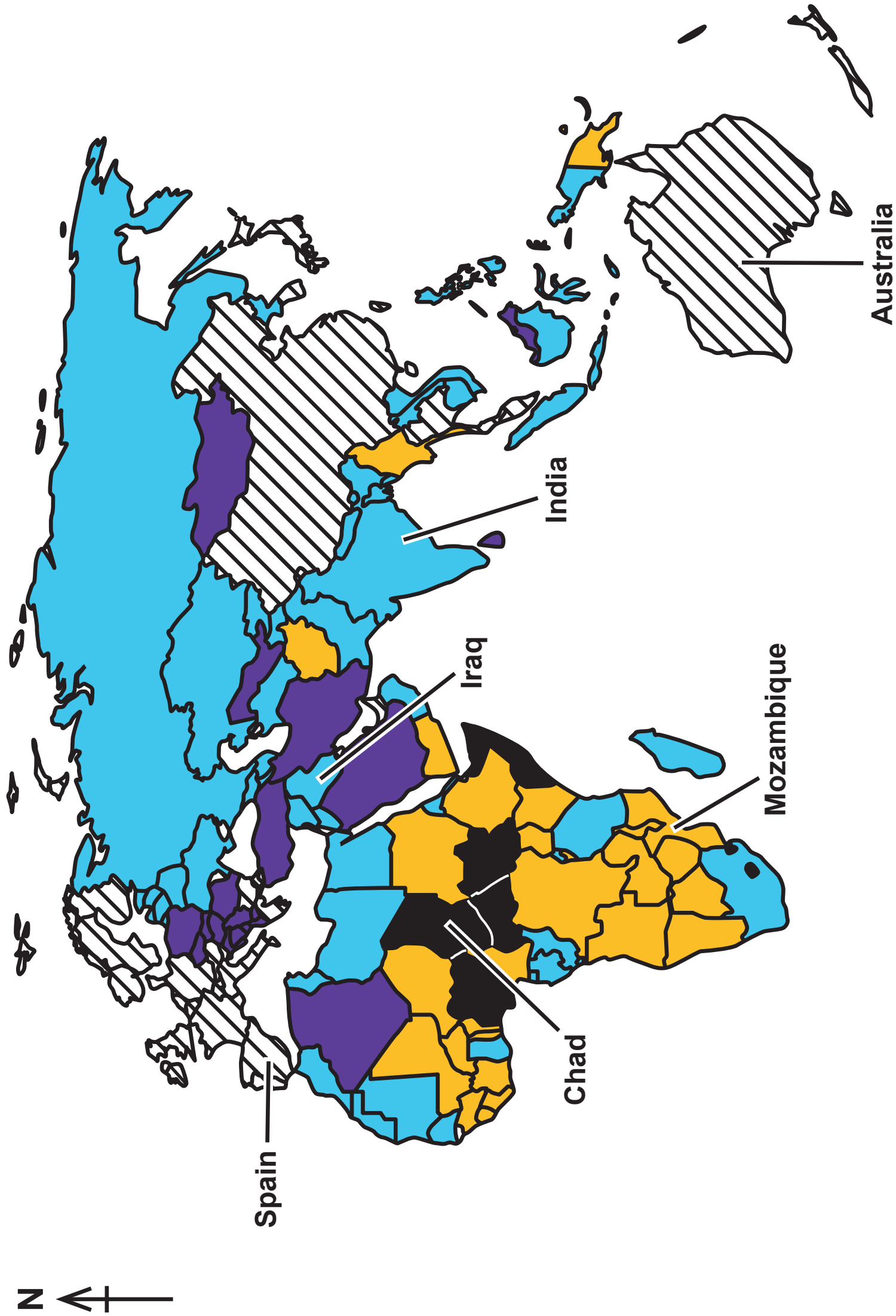
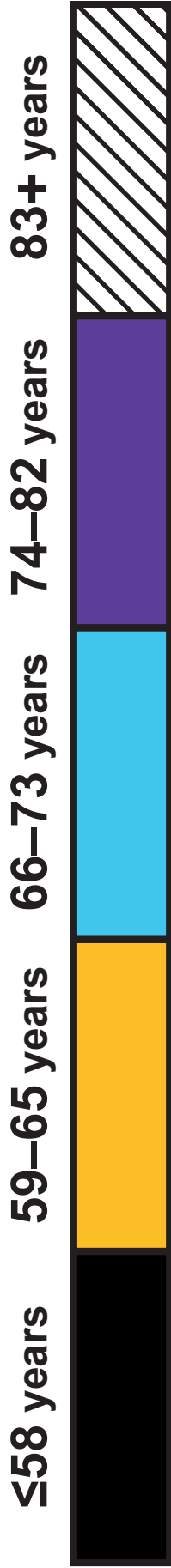


Figure 9a (Black and White) – Part 1

Life expectancy, 2022

KEY

≤58 years 59–65 years 66–73 years 74–82 years 83+ years



N ↑

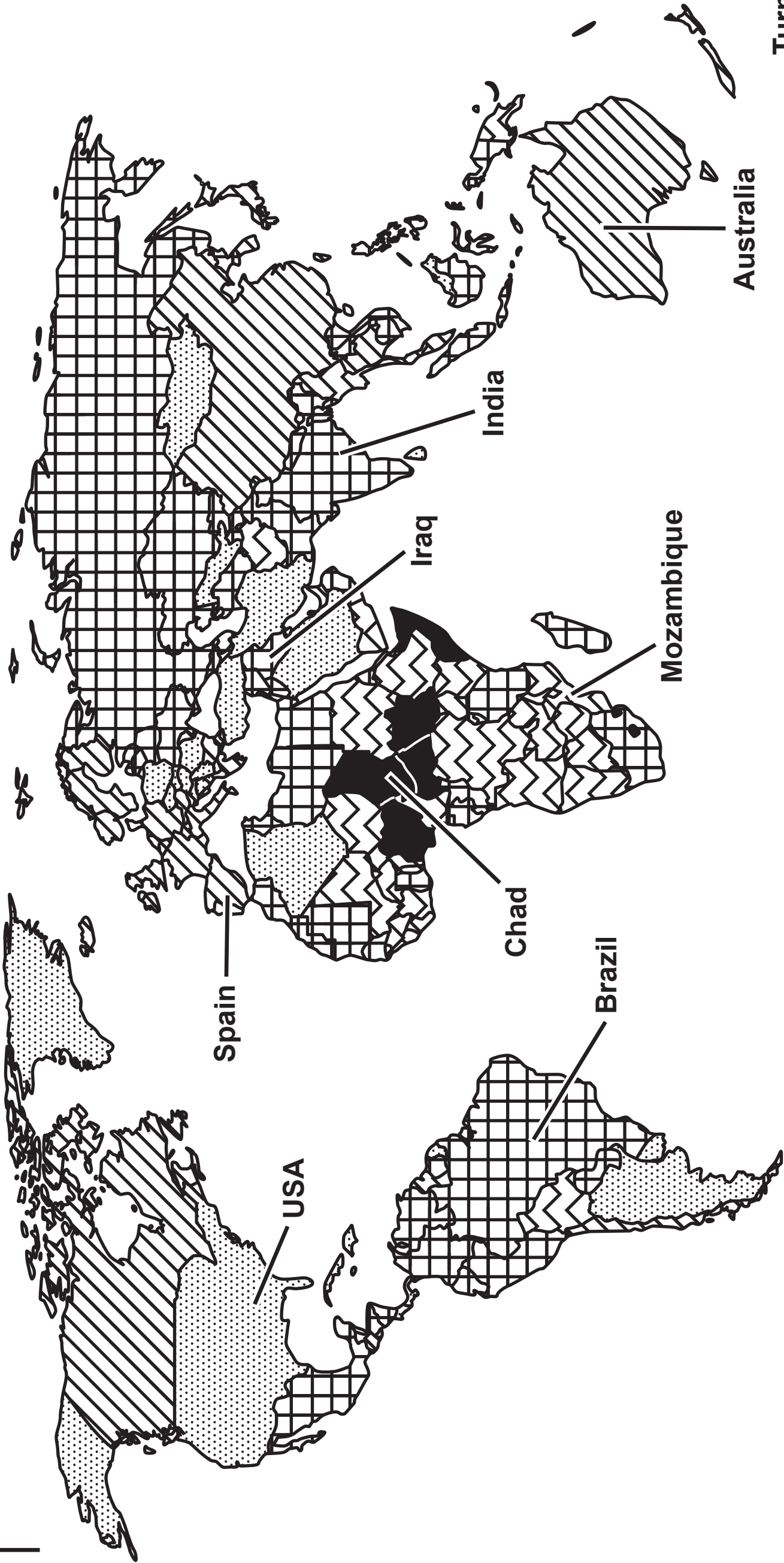


Figure 9a (Black and White) – Part 2

Life expectancy, 2022

KEY

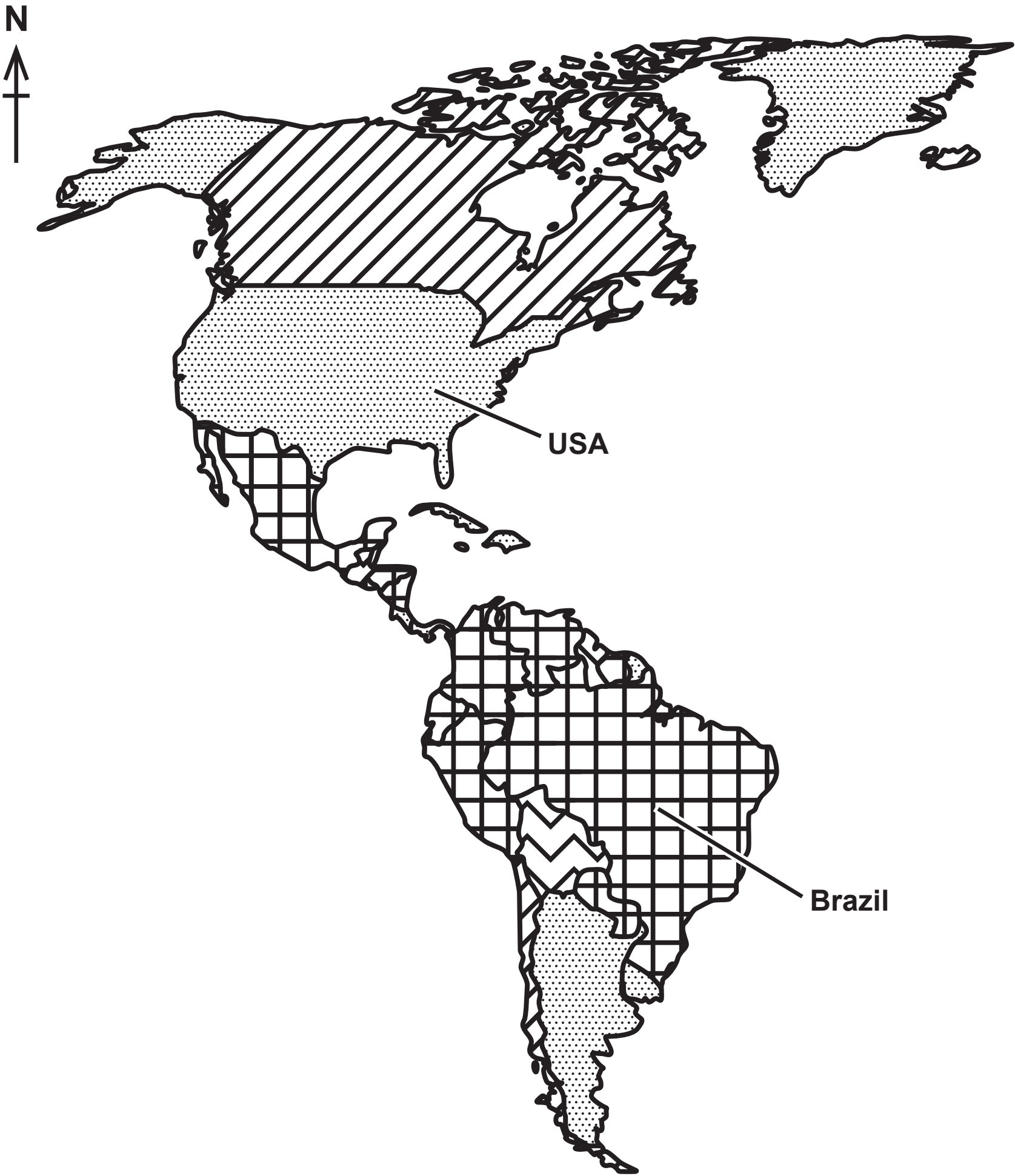
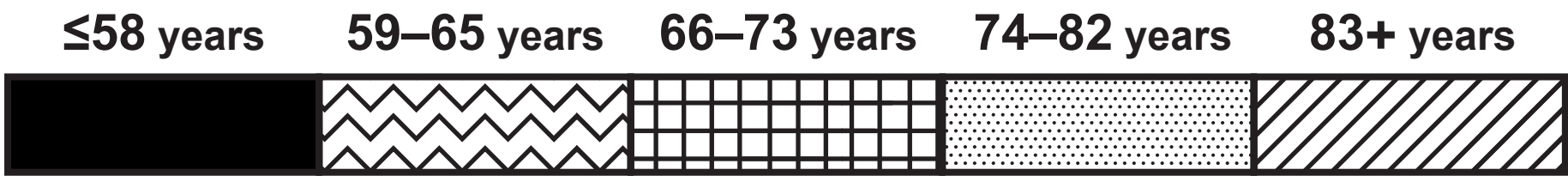


Figure 9a (Black and White) – Part 3

Life expectancy, 2022

KEY

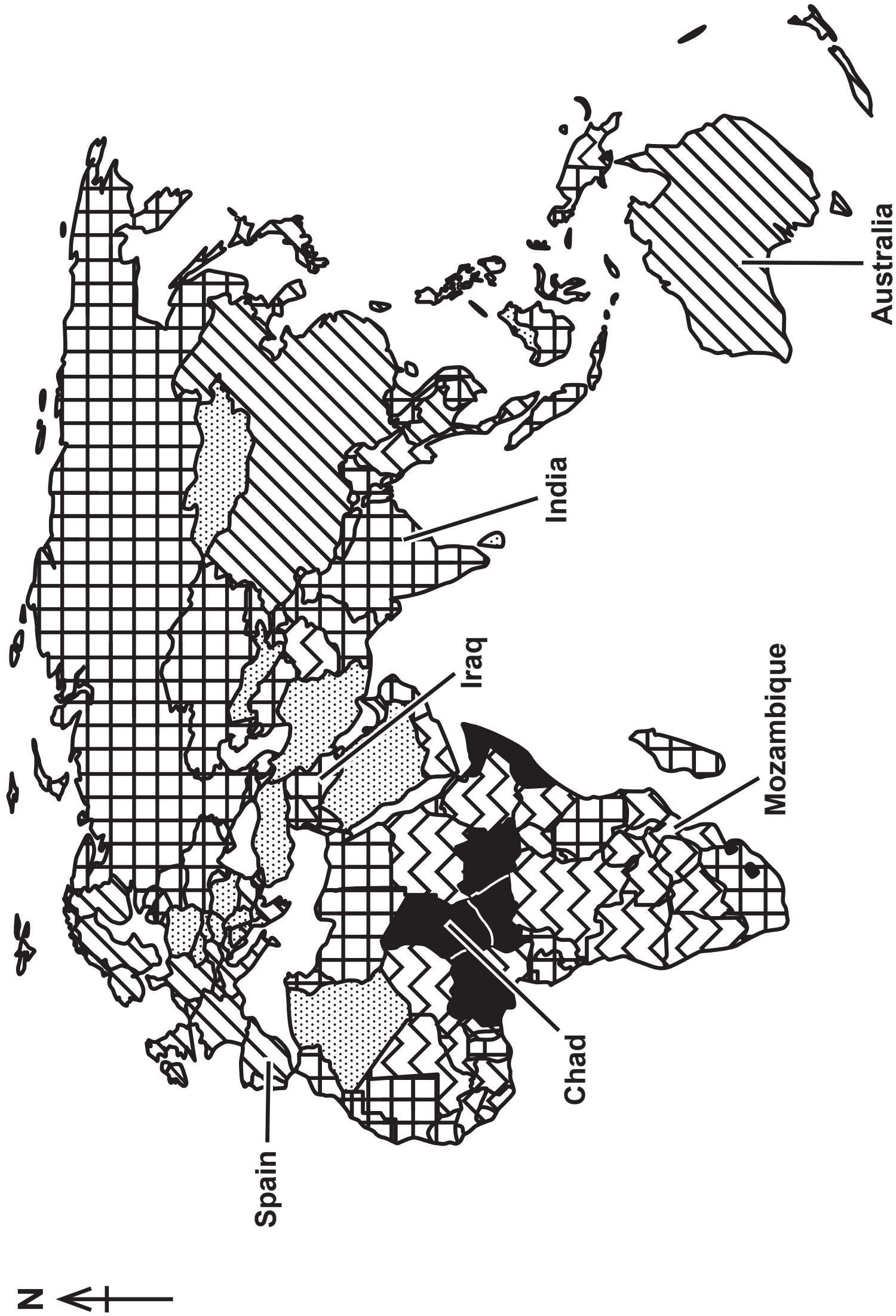
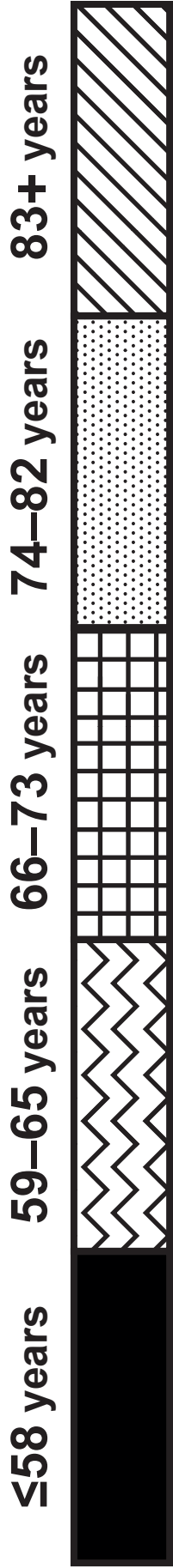


Figure 9b

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

KEY

- Nigeria
- Brazil
- Kenya
- Indonesia
- Sierra Leone

Number of people (millions)

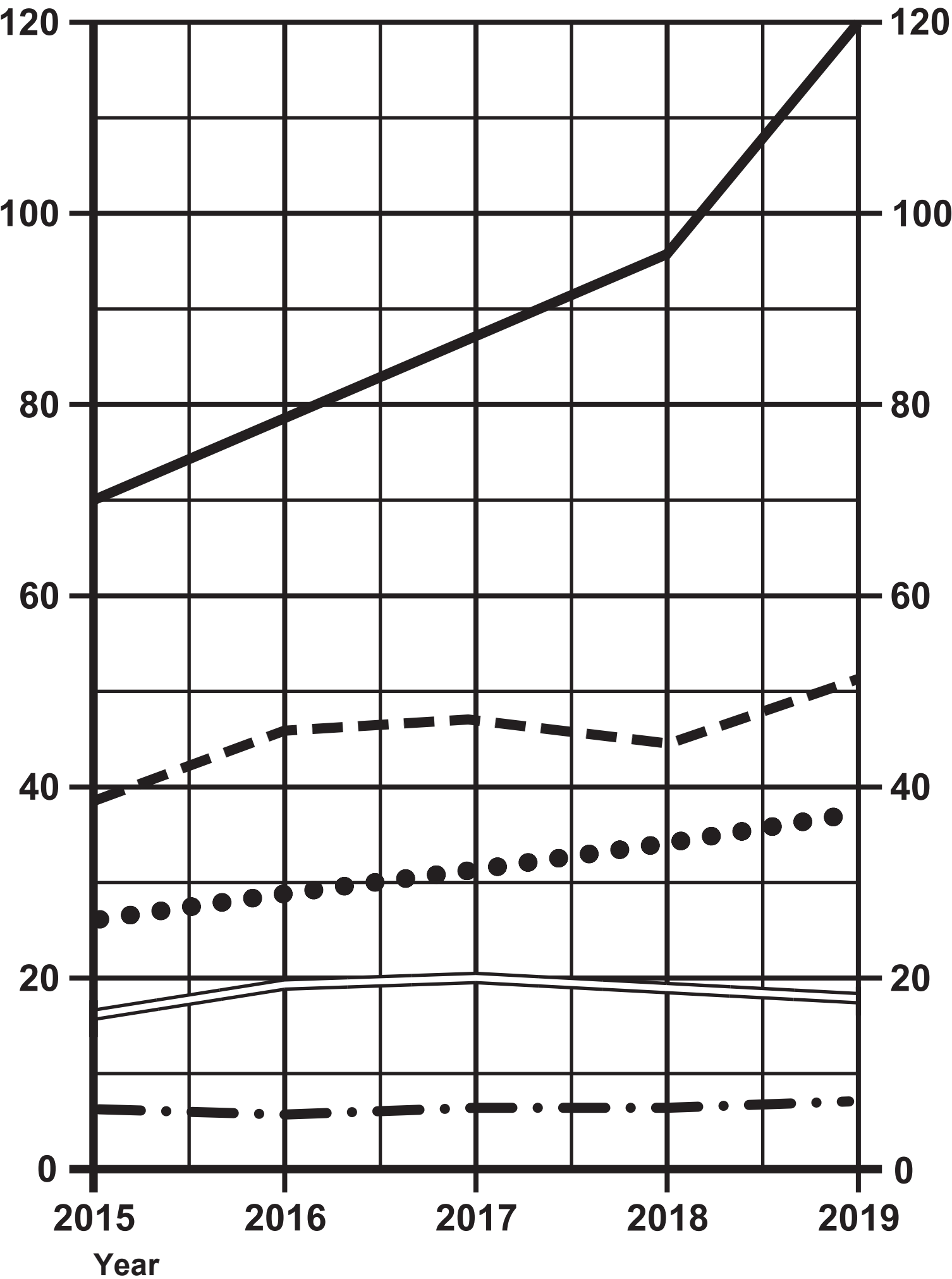
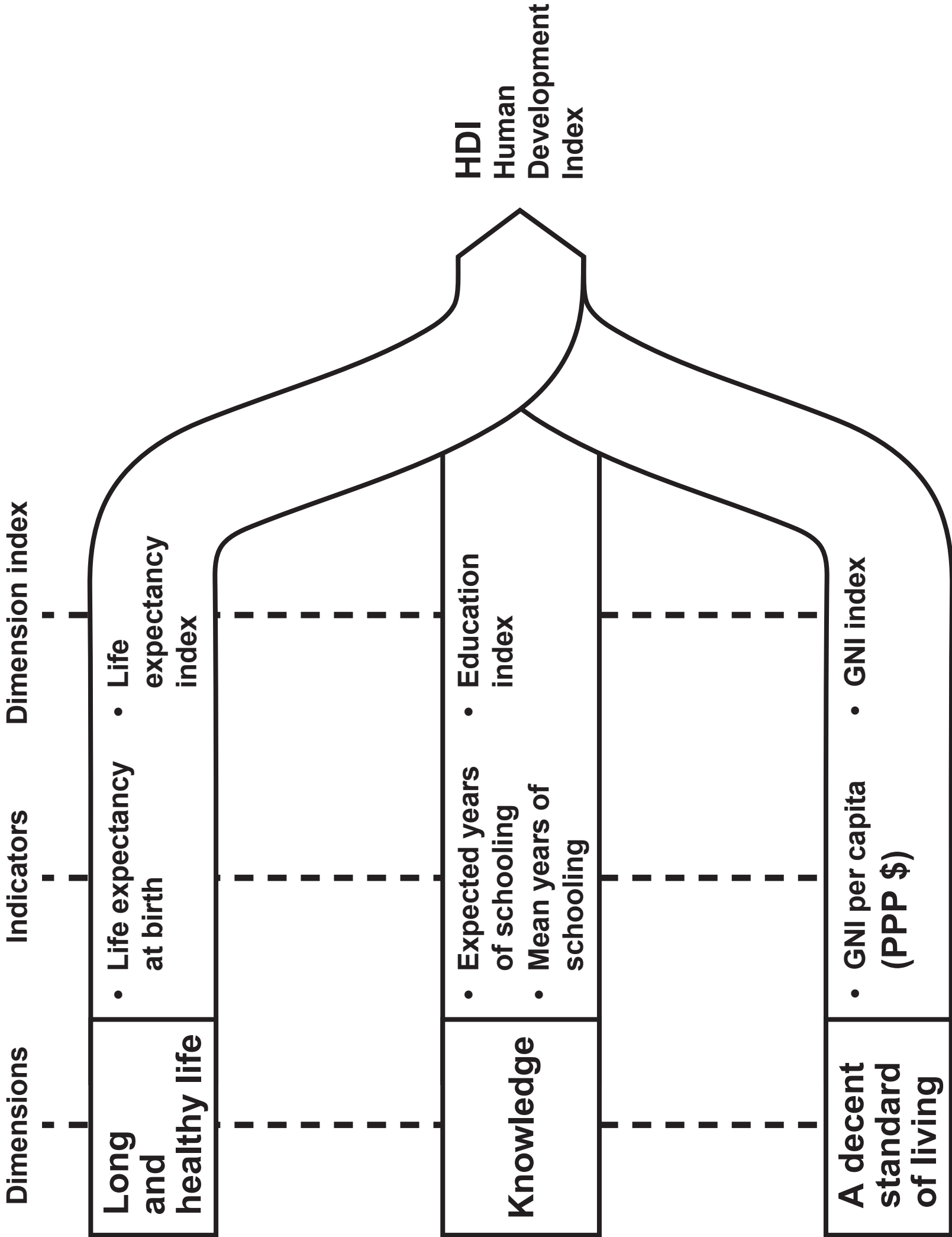


Figure 9c

The Human Development Index (HDI)

Note: GNI is gross national income



Acknowledgements

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