



DUNMAN HIGH SCHOOL PRELIMINARY EXAMINATION Year 6

HIGHER 1 GEOGRAPHY

8834/01

INSERT

READ THESE INSTRUCTIONS FIRST

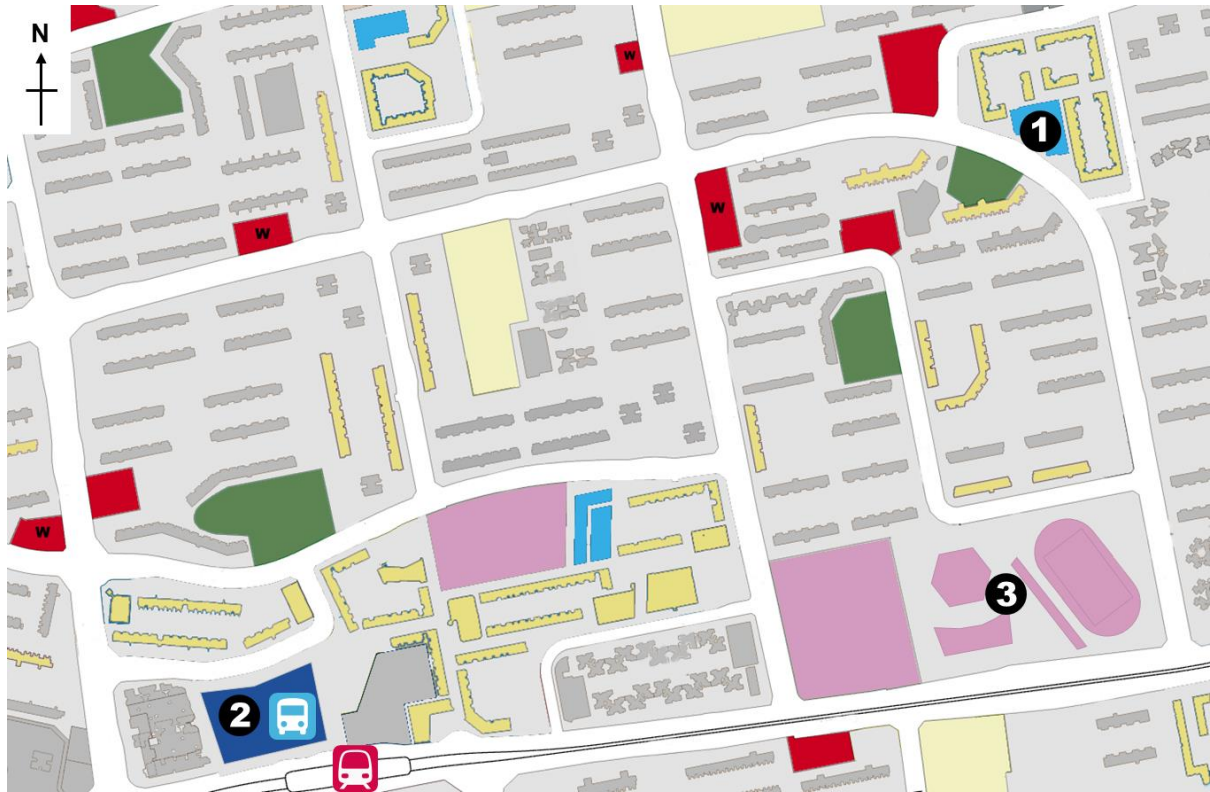
This Insert contains all the Resources referred to in the questions.

This document consists of **10** printed pages and **2** blank pages.

[Turn over

Resource 1 for Question 1

Data collection sites in Bedok



Key

1 site number

residential

shops

hawker centre and wet market

large retail mall

school

community centre

W place of worship

park

sports facility

bus interchange

train station

Resource 2 for Question 1

Questionnaire used by the students

1. How important are these needs to you?

For each need, place a tick in the box that matches your response.

	Important	Not important
Shopping needs		
Social engagement needs		
Clean and green spaces		
Healthcare needs		
Employment needs		
Transport needs		

2. Do the facilities in Bedok meet your needs?

For each need, place a tick in the box that matches your response.

	Needs fully met	Needs mostly met	Needs hardly met	Needs not met at all
Shopping needs				
Social engagement needs				
Clean and green spaces				
Healthcare needs				
Employment needs				
Transport needs				

3. If you have indicated that any of your needs were 'hardly met' or not met at all' in Q2, please let us know your reasons by ticking the relevant boxes.

Not affordable

Not enough facilities

Too far to travel

The activities do not interest me

No one to go with

Other reasons (please state)

.....

Resource 3 for Question 1

Results by age for selected options of Question 1 – How important are these needs to you?

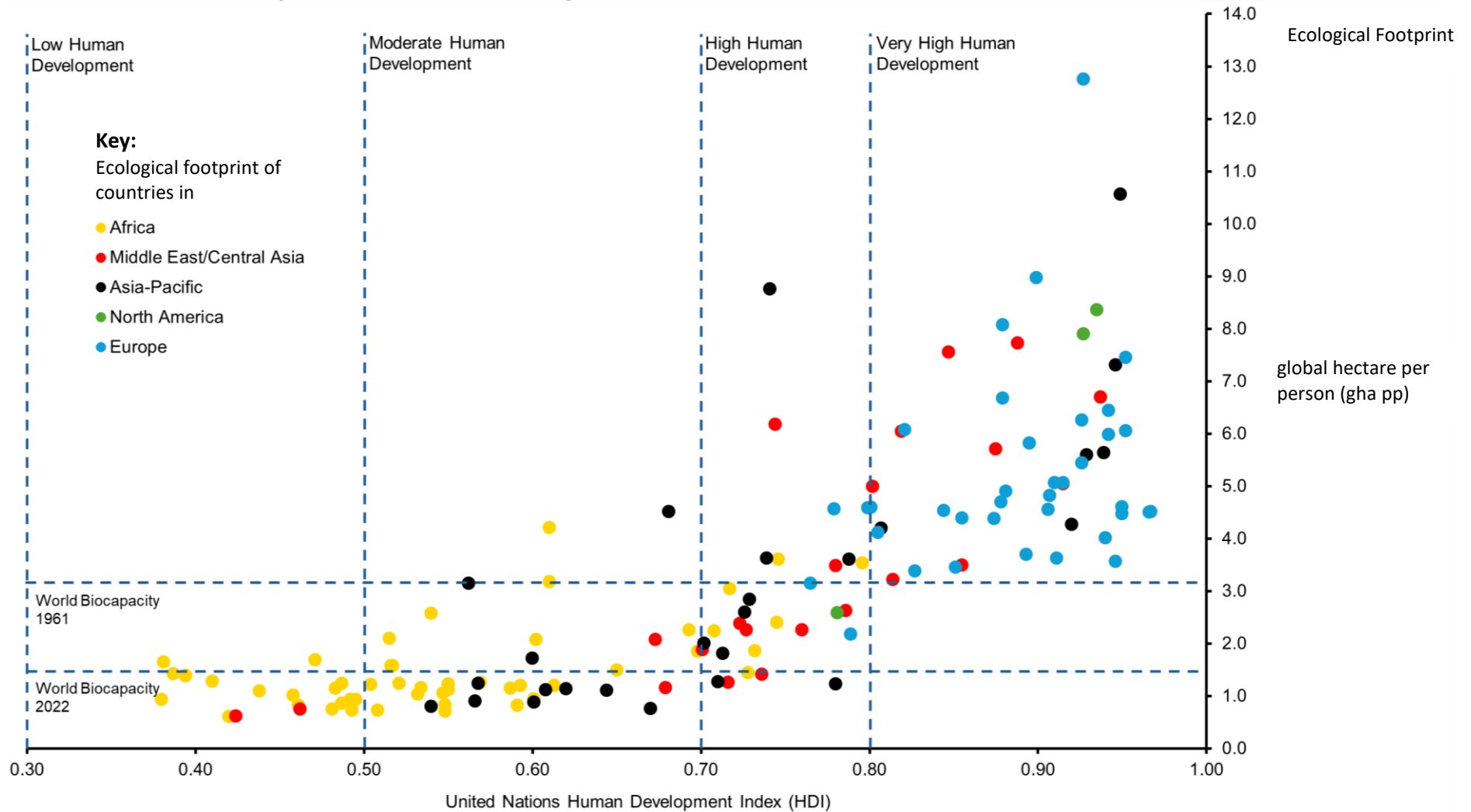
Age Group (60-69) 20 respondents	Important	Not important
Shopping needs	16	4
Clean and green spaces	15	5
Healthcare needs	19	1
Employment needs	11	9

Age Group (70-79) 25 respondents	Important	Not important
Shopping needs	19	6
Clean and green spaces	18	7
Healthcare needs	20	5
Employment needs	2	23

Age Group (80 and above) 20 respondents	Important	Not important
Shopping needs	9	11
Clean and green spaces	9	11
Healthcare needs	20	0
Employment needs	0	20

Resource 4 for Question 2

World Biocapacity* in 1961 and 2022, Ecological Footprint and Human Development Index (HDI)** of countries in 2022

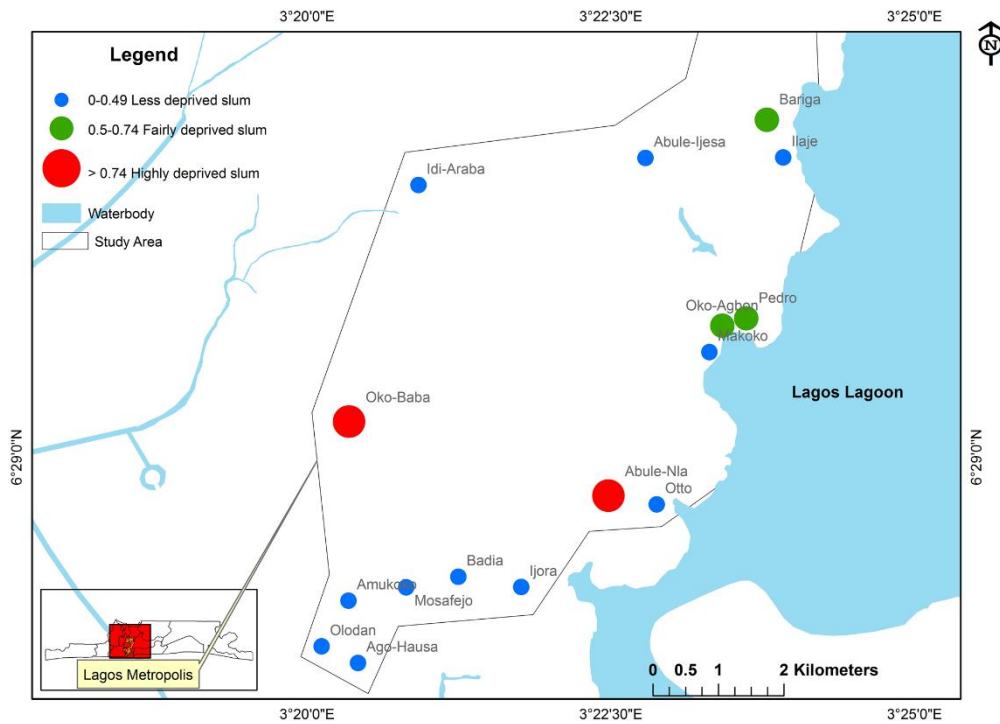


*Biocapacity is the capacity of biologically productive areas to provide for human demand. A value below the biocapacity is feasible for environmental regeneration.

**HDI is a measure of achievement of development in the areas of life expectancy, literacy and economic growth. A high value indicates greater achievement.

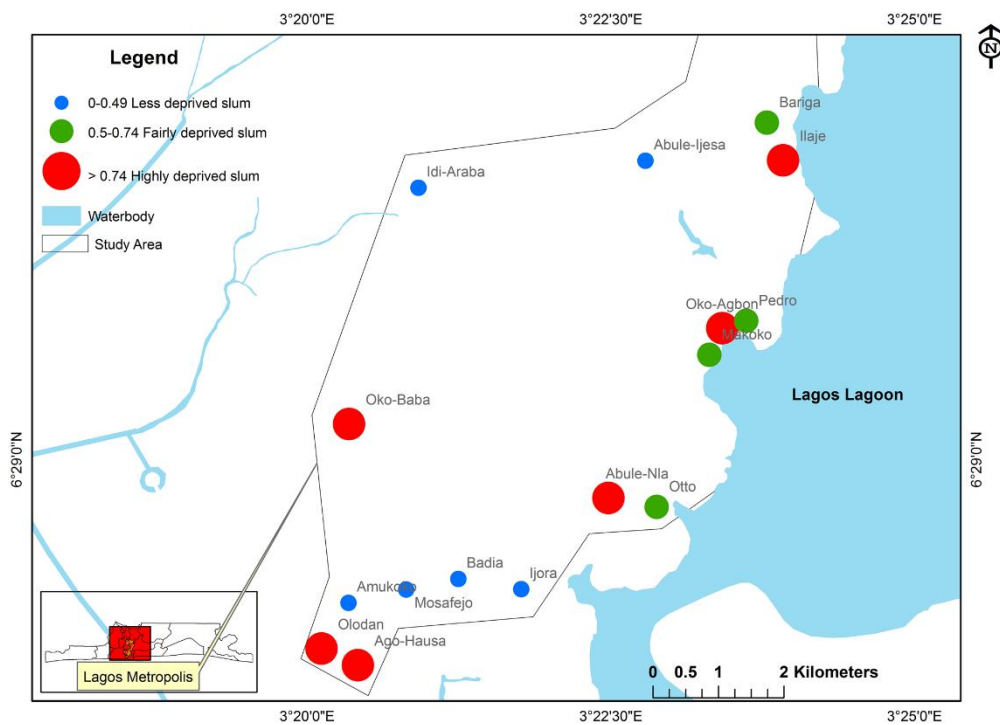
Resource 5A for Question 2

Performance of sanitation indicator of the slum deprivation index Lagos metropolis, Nigeria



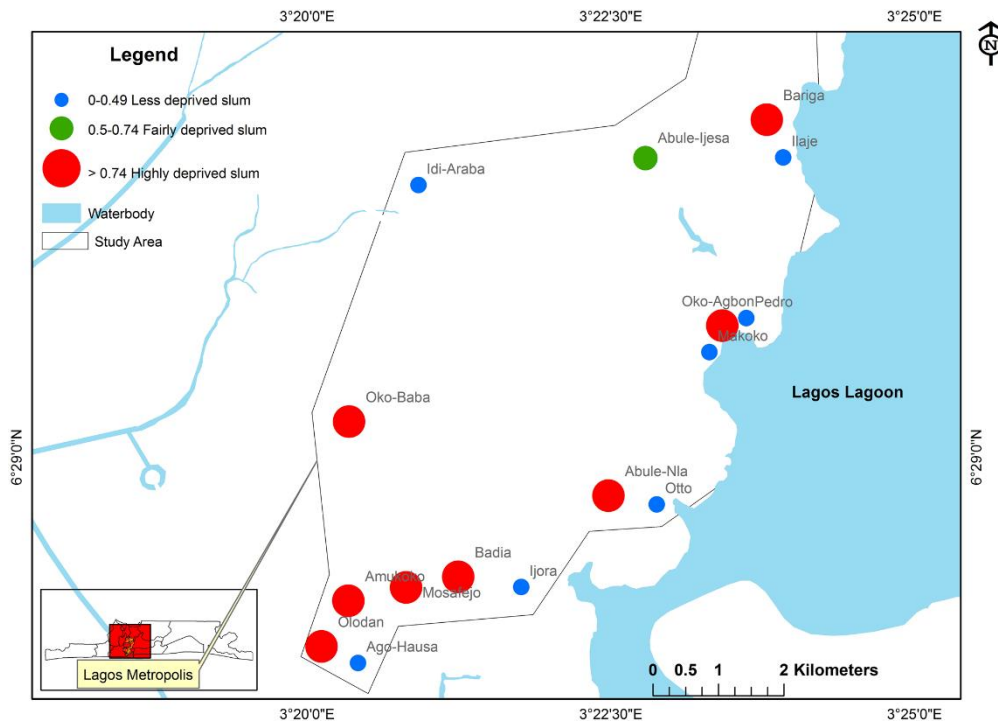
Resource 5B for Question 2

Performance of waste disposal indicator of the slum deprivation index Lagos metropolis, Nigeria



Resource 5C for Question 2

Performance of dwellings indicator of the slum deprivation index Lagos metropolis, Nigeria



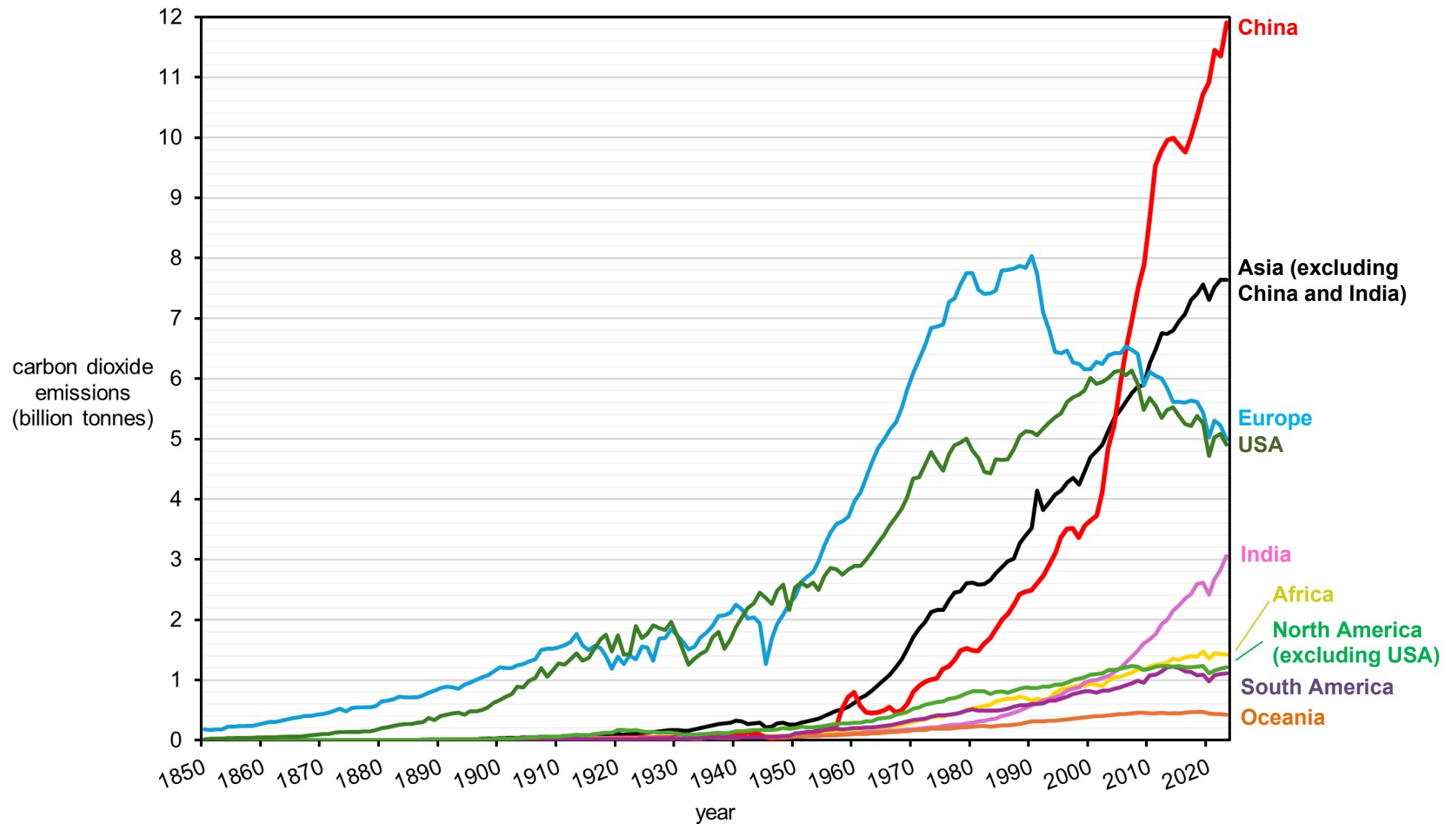
Resource 6 for Question 2

A 'highly deprived' slum in the Lagos metropolis



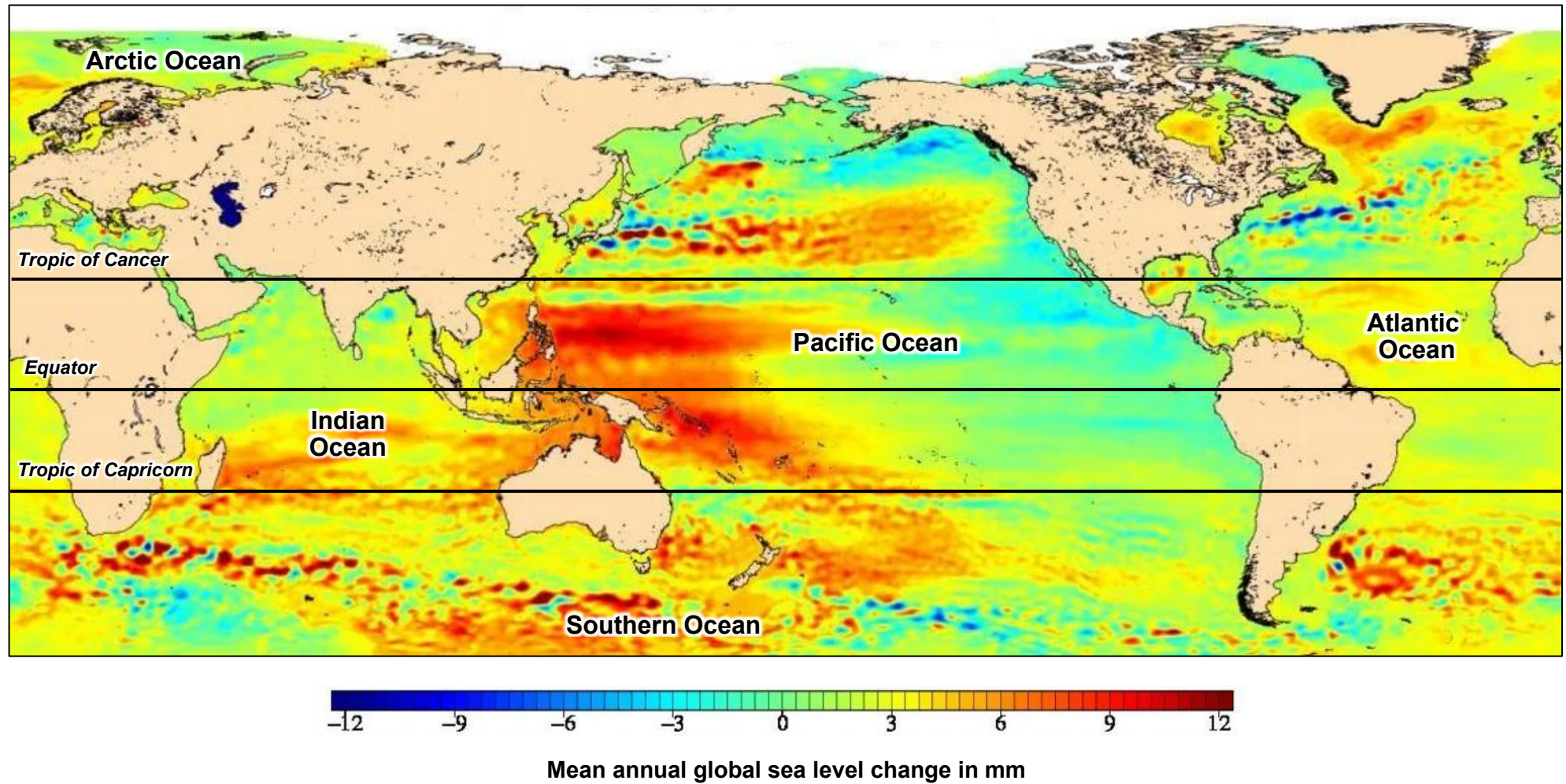
Resource 7 for Question 2

Annual carbon emissions by world region



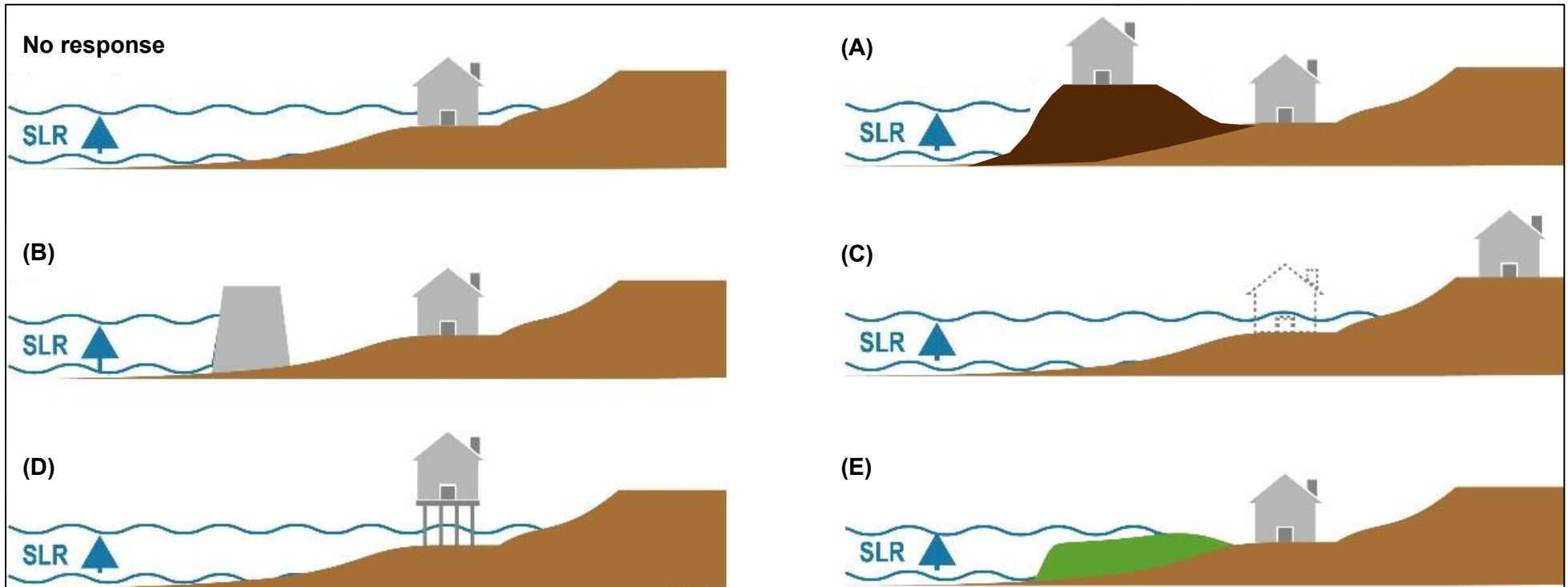
Resource 8 for Question 2

Mean annual global sea level change from 1992 to 2010



Resource 9 for Question 2

Strategies to manage sea level rise in the low-lying South Pacific islands



Key



reclaimed land



wall

SLR

sea level rise

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Copyright Acknowledgements

Question 1	Resource 1	© Adapted from URA Master Plan 2019, https://eservice.ura.gov.sg/maps/
Question 2	Resource 4	© Lo, K., E. Miller, P. Dworatzek, N. Basnet, J. Silva, J. L. Van Berkum, R. B. Halldórsdóttir, and M. D. R. Dyck. <i>National Ecological Footprint and Biocapacity Accounts, 2025 Edition: Data and Metadata Version 1.0</i> . Footprint Data Foundation, 2025, https://footprint.info.yorku.ca/data/ .
Question 2	Resources 5A, 5B and 5C	© Akoteyon, Isaiah Sewanu, Ibrahim Rotimi Aliu, and Olayemi Soladoye. "Household Levels of Deprivation to WaSH and Residential Conditions in Slum Settlements of Lagos, Nigeria." <i>Journal of Water, Sanitation and Hygiene for Development</i> , vol. 11, no. 1, 2021, pp. 60–74.
Question 2	Resource 6	© "Rangée de Bâtiments dans un Bidonville." <i>Pikbest</i> , https://fr.pikbest.com/backgrounds/rowing-row-of-buildings-in-a-slum_9581265.html . Accessed 26 Aug. 2025.
Question 3	Resource 7	© "Global Carbon Budget 2024 — with Major Processing by Our World in Data. 'Annual CO ₂ Emissions' [dataset]." <i>Global Carbon Project</i> , 2024, https://ourworldindata.org/grapher/annual-co2-emissions .
Question 3	Resource 8	© "Sea Level Rise." <i>CNN</i> , 2 Oct. 2012, https://edition.cnn.com/2012/10/02/tech/satellites-sea-level-rise/index.html . Accessed 26 Aug. 2025.
Question 3	Resource 9	© Oppenheimer, M., B. C. Glavovic, J. Hinkel, R. van de Wal, A. K. Magnan, A. Abd-Elgawad, R. Cai, M. Cifuentes-Jara, R. M. DeConto, T. Ghosh, J. Hay, F. Isla, B. Marzeion, B. Meyssignac, and Z. Sebesvari. "Sea Level Rise and Implications for Low-Lying Islands, Coasts and Communities." <i>IPCC Special Report on the Ocean and Cryosphere in a Changing Climate</i> , edited by H.-O. Pörtner, D. C. Roberts, V. Masson-Delmotte, P. Zhai, M. Tignor, E. Poloczanska, K. Mintenbeck, A. Alegria, M. Nicolai, A. Okem, J. Petzold, B. Rama, and N. M. Weyer, Cambridge University Press, 2019, pp. 321–445. Cambridge, UK, and New York, NY. https://doi.org/10.1017/9781009157964.006 .