

Edexcel GCE

Geography

**Advanced Subsidiary
Unit 1: Global Challenges
RESOURCE BOOKLET**

Thursday 24 May 2012 – Afternoon

Paper Reference

6GE01/01

Do not return the Resource Booklet with the question paper.

Turn over ►

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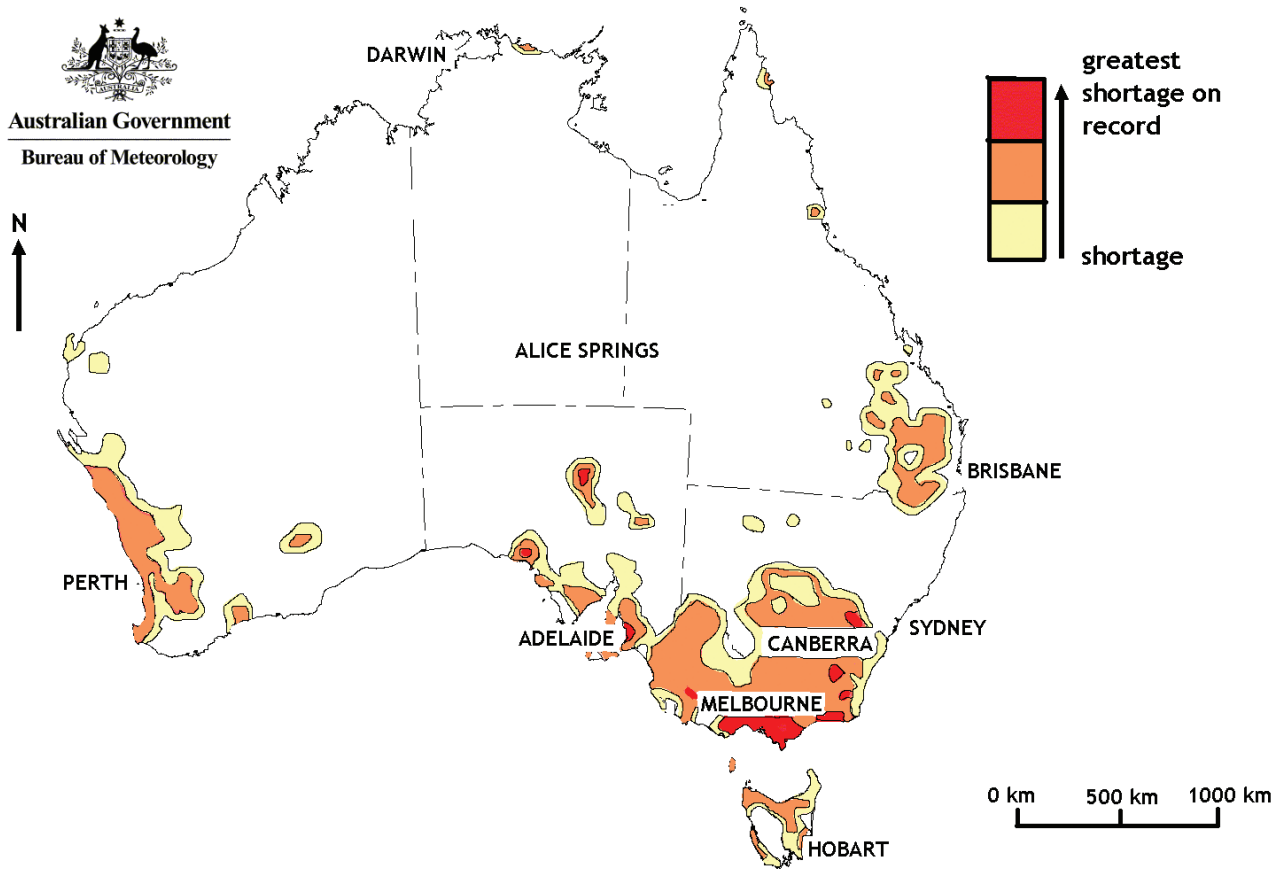


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SECTION A

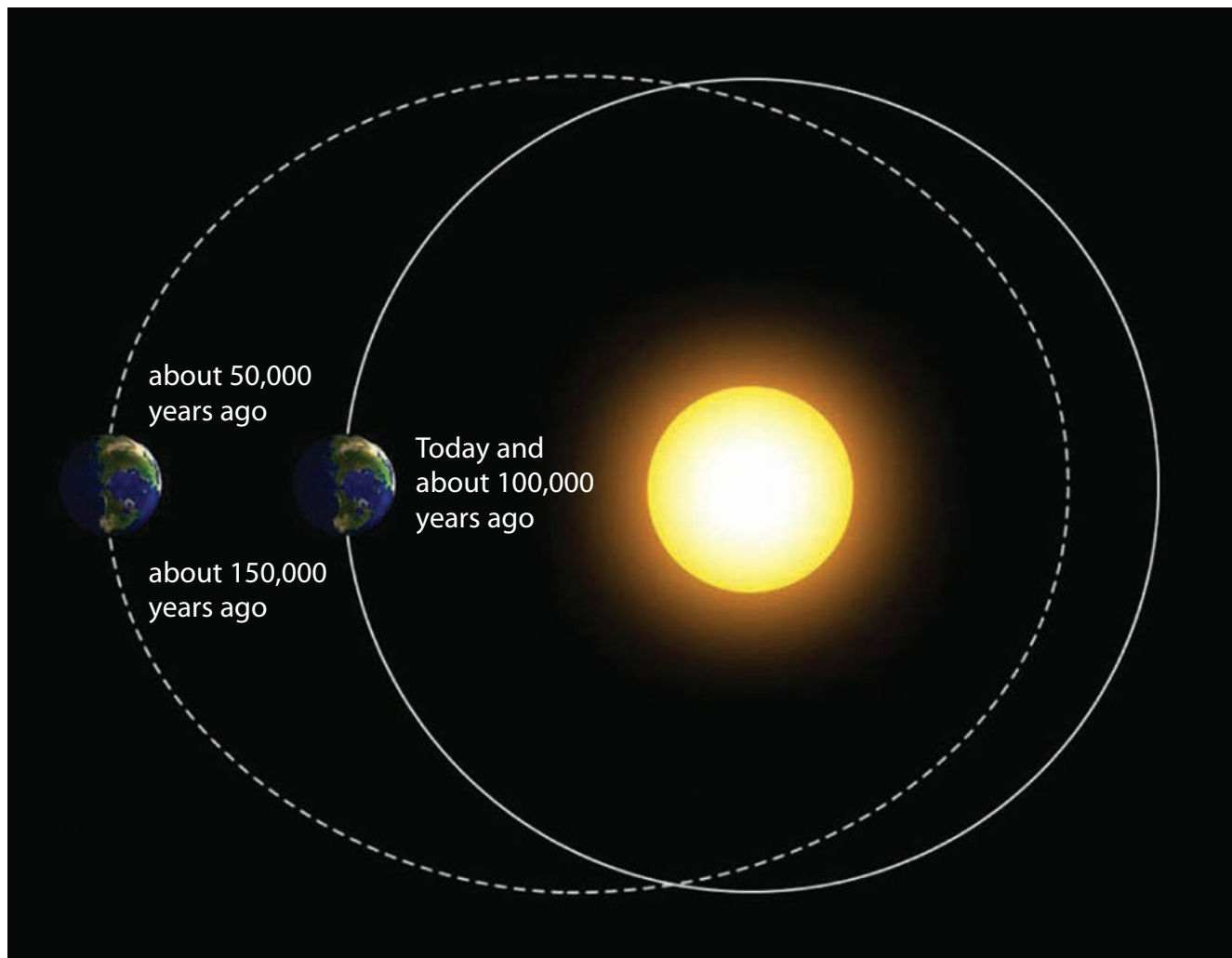
The following resources relate to Questions 1–6.

Figure 1 Shortage of rainfall recorded in Australia between 2002 and 2010



(Source: www.bom.gov.au)

Figure 2 A diagram showing the eccentricity cycle of Earth's orbit around the sun



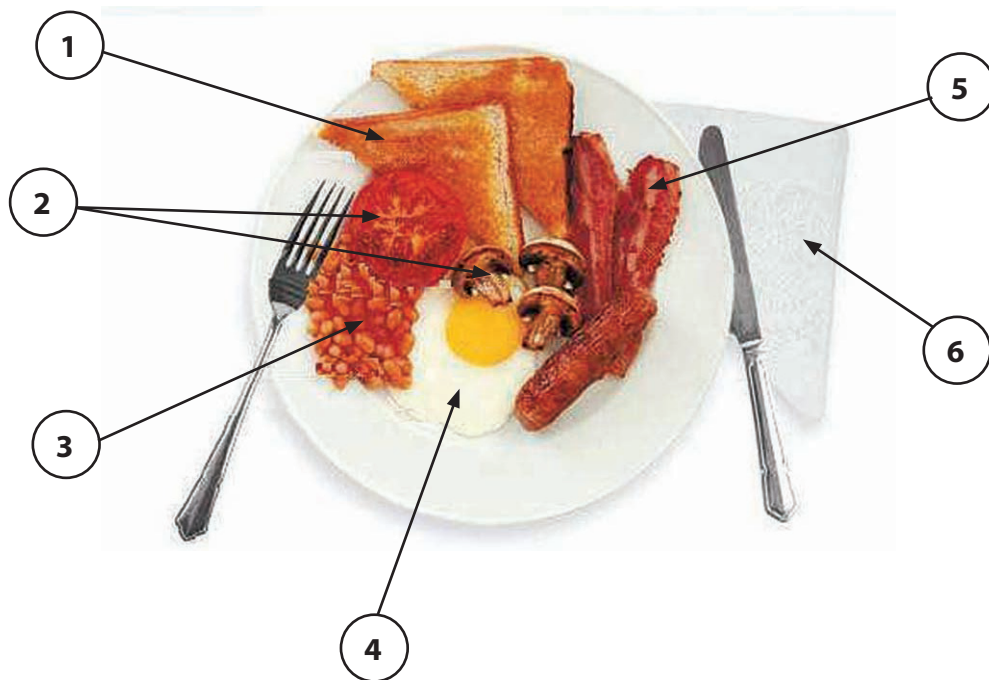
(Source: www.apollo.lsc.vsc.edu)

Figure 3 Seasonal and annual climate change predictions for Central Africa by 2100

	Temperature rise (°C)		Rainfall change (%)	
	Minimum	Maximum	Minimum	Maximum
Winter	1.8	4.7	-6	+10
Spring	1.7	4.7	-25	+12
Summer	1.9	4.8	-43	-3
Autumn	2.1	5.0	-43	+3
Annual	+1.9 °C	+4.8 °C	-12 %	+6 %

(Source: Storm shelter (Barclays))

Figure 4 Breakfast ingredients produced or part-produced by US TNC Cargill

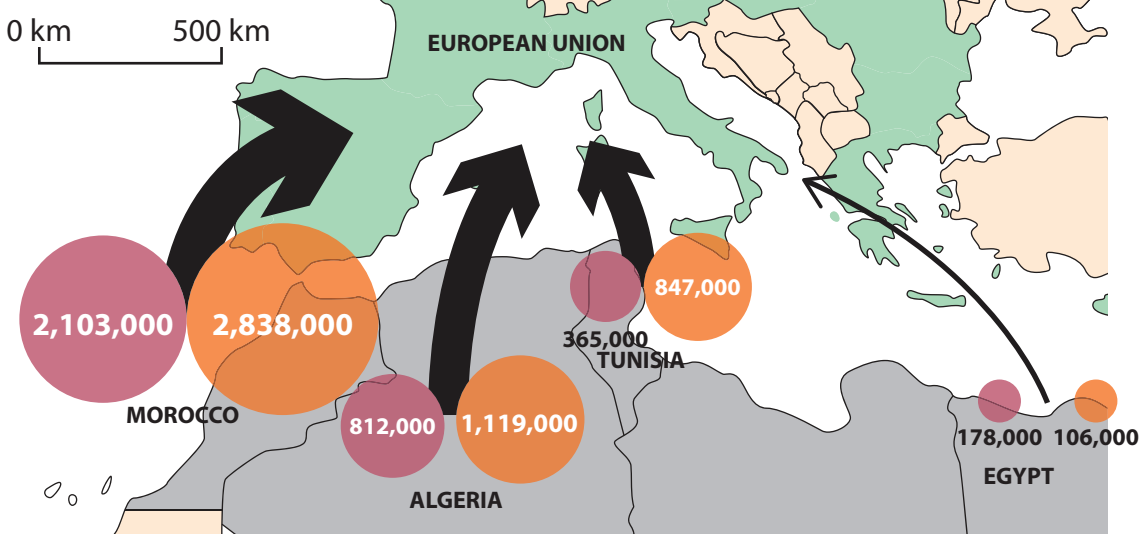


1. **Bread** Cargill acquires grain in the USA and other countries
2. **Tomatoes & mushrooms** Cargill produces fertilisers worldwide for fruit and vegetable farmers
3. **Baked beans** Cargill is a major worldwide salt producer (an important baked beans ingredient)
4. **Egg** Cargill sells eggs that have been produced in the USA
5. **Bacon** Cargill rears pigs and other animals in the USA
6. **Serviette** Cargill produces cotton in Africa and imports it from Asia

(Source: www.ft.com)

Figure 5 Estimated numbers of migrants who have left North Africa and now live in the EU

The Mediterranean: migrants in the EU



Total as of 2008

-  Out-migration numbers recorded by source country
-  In-migration numbers recorded by host countries in the EU

(Source: www.ft.com)

Figure 6 A household waste disposal site in the UK



(Source: adrianasassoon.wordpress.com)

Figure 7 Earthquake strength and social costs

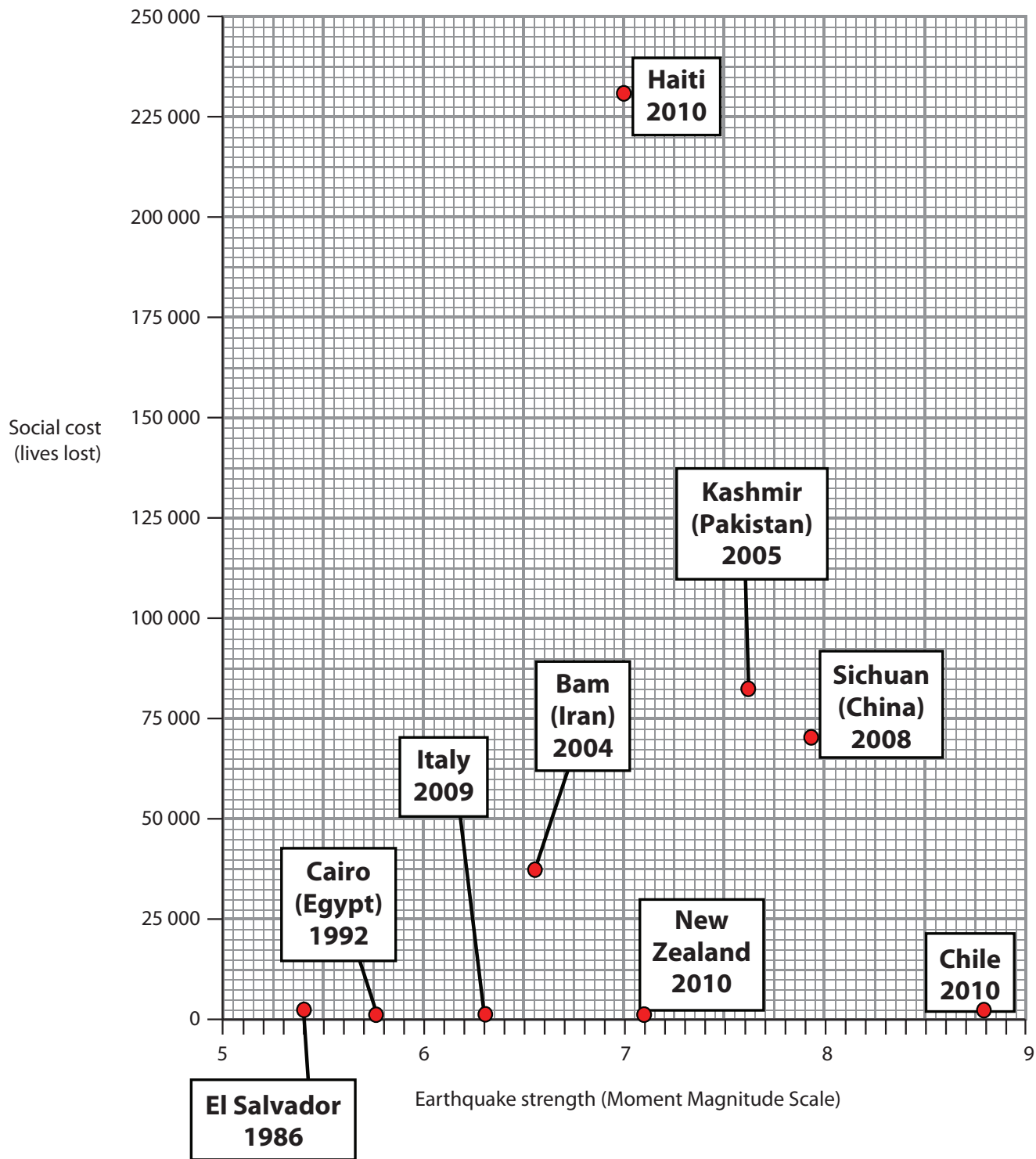


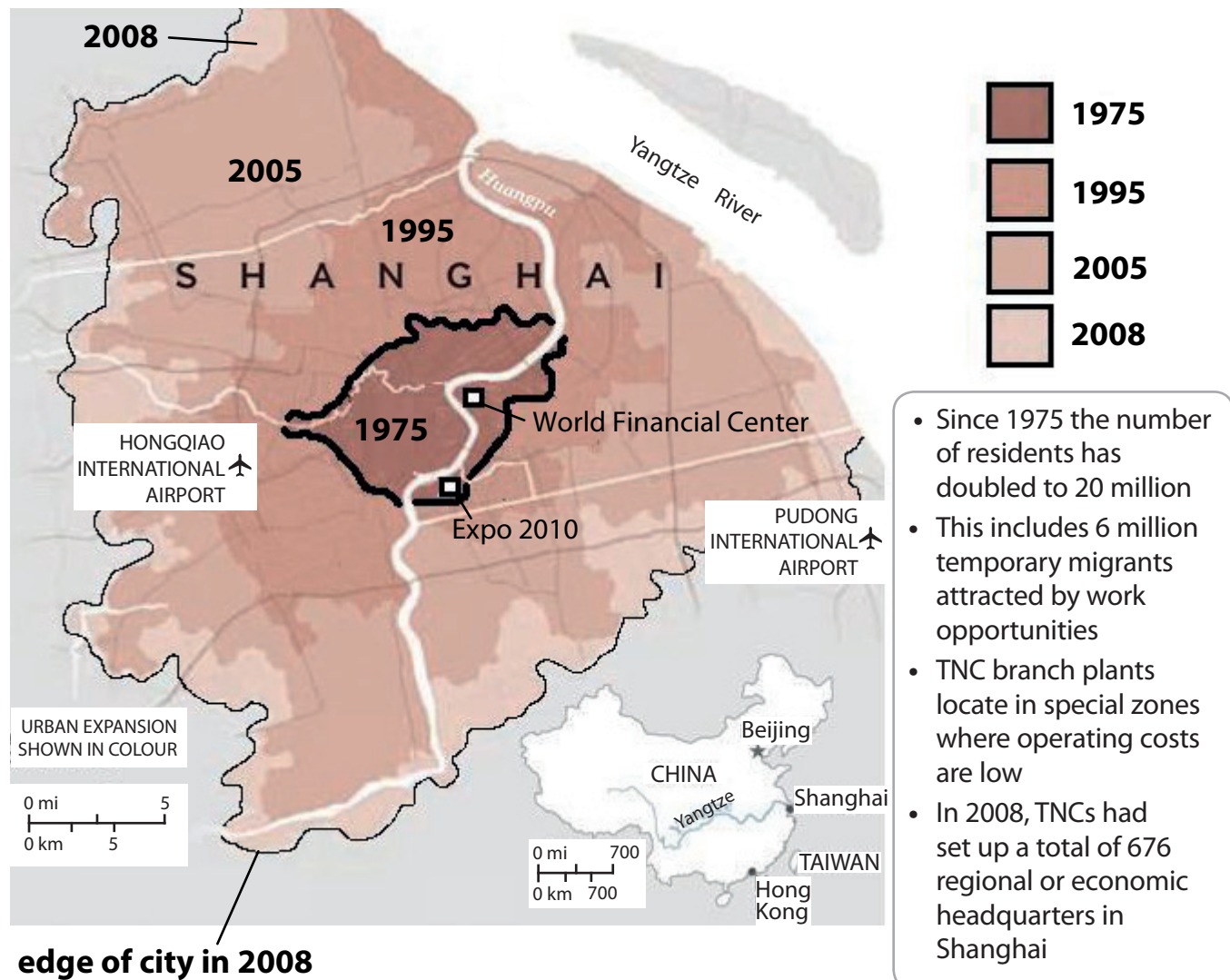
Figure 8 Results of a survey investigating whether people are prepared to “act local” in order to help tackle climate change

Country	Concern <i>Climate change and how we respond to it are among the biggest issues I worry about today.</i>	Commitment <i>I am personally making a significant effort to help reduce climate change through how I live my life today.</i>	Optimism <i>I believe we will stop climate change.</i>
UK	26%	26%	9%
Germany	33%	32%	9%
USA	26%	24%	12%
Brazil	52%	34%	25%
India	54%	32%	42%
China	52%	56%	47%

Percentage of people scoring 6–7 on a 1–7 scale of agreement (1 being strongly disagree, 7 being strongly agree)

(Source: HSBC Climate Confidence Monitor 2008)

Figure 9 The growth of megacity Shanghai between 1975 and 2008



(Source: nationalgeographic.com)

Figure 10 Population changes in the UK 2004-2008

	2004	2005	2006	2007	2008
Total live births, England and Wales	639,721	645,835	669,601	690,013	708,711
Births to mothers born overseas	124,563	134,189	146,956	160,340	170,834
% of births to mothers born overseas	19.5	20.8	21.9	23.2	24.1
Total UK Population	59.8m	60.2m	60.6m	60.9m	61.4m

(Source: Office for National Statistics)

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