

# **FLASH POINTS AND TIPPING POINTS:** Security Implications of Global Population Changes, 2005-2025

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## **. How to think about population change and conflict:**

1) Most conflict over resources caused by population growth leads to *only local and small-scale violence*. *Large-scale violence is almost never caused mainly by population growth*.

2) Conflict over resources caused by population growth is a challenge, not simply a threat, and has often been resolved in ways leading to greater cooperation, not conflict. For example, there have been hardly any confirmed examples of ‘water wars’ over river basins, but there are many examples of international and cross-regional cooperative agreements on how to manage scarce water resources in the face of growing demand.

3) Conflicts over resources caused by population growth *only* lead to large-scale violence when such conflicts interact with *weak state capacity* or *inflexible state policies* that tend to exacerbate these conflicts, channel them into political lines, and produce cross-regional, cross-class, or cross-ethnic coalitions against state authorities.

# SIX GLOBAL POPULATION TRENDS

1. The bigger they are ...  
Big Emerging Markets and the World Economy
2. Bye bye love ...  
The great slowdown in population growth in high-income countries
3. Here we come...  
Third to First World Migration, problem or solution?
4. Will you still love me when I'm 64? .... Aging populations, health, work, and retirement
5. Oops, I did it again...  
AIDS, SARS, Bird Flu, and the next bad thing
6. How you gonna keep them down on the farm?...  
Hyper-urbanization in the Third World

# Table 1. Largest Countries

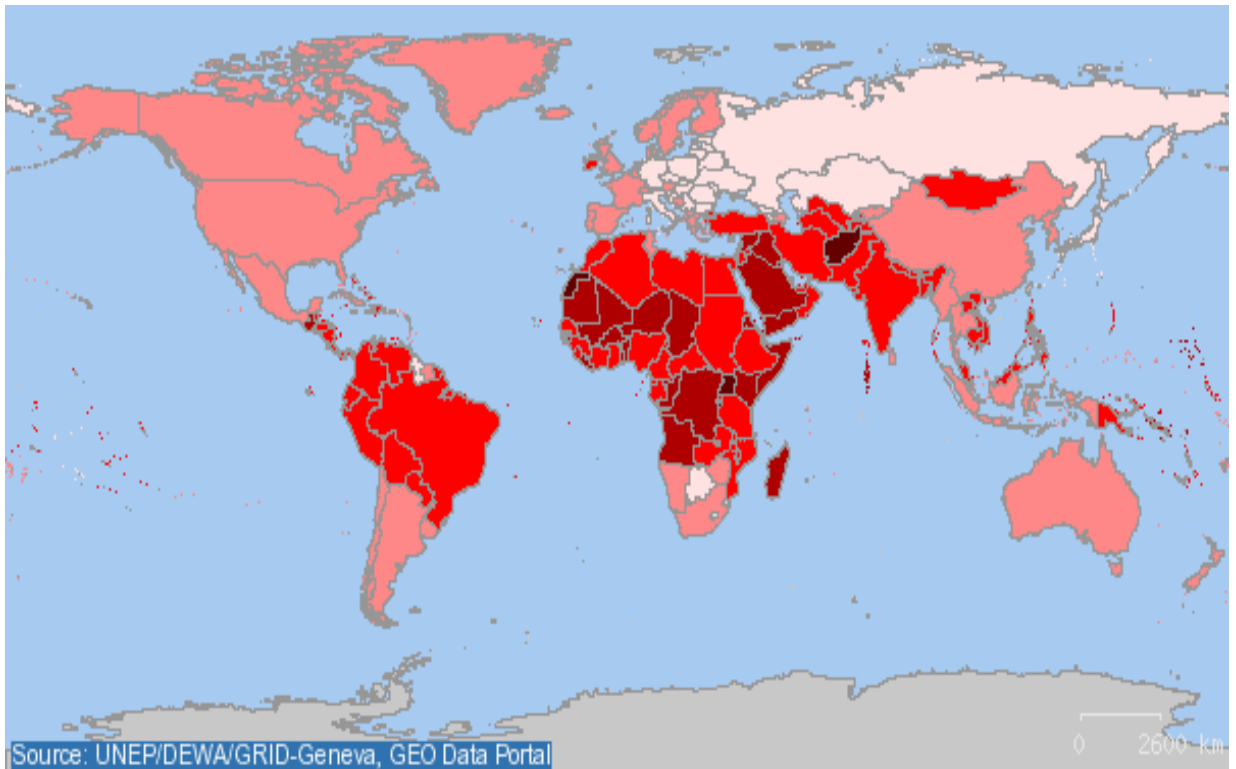
2005		2025	
China	1,315,844,000	China	1,441,426,000
India	1,103,371,000	India	1,395,496,000
USA	298,213,000	USA	350,103,000
Indonesia	222,781,000	Indonesia	263,746,000
Brazil	186,405,000	Pakistan	229,353,000
Pakistan	157,935,000	Brazil	227,930,000
Russia	143,202,000	Bang'desh	193,752,000
Bang'desh	141,822,000	Nigeria	190,287,000
Nigeria	131,530,000	Mexico	129,381,000
Japan	128,085,000	Russia	129,230,000
Mexico	107,029,000	Japan	124,819,000
Viet Nam	84,238,000	Ethiopia	118,354,000
Philippines	83,054,000	Philippines	109,084,000
Germany	82,689,000	Viet Nam	104,343,000
Ethiopia	77,431,000	Congo, DR	103,224,000
Egypt	74,033,000	Egypt	101,092,000
Turkey	73,193,000	Iran	89,042,000
Iran	69,515,000	Turkey	90,565,000
Thailand	64,233,000	Germany	81,967,000
France	60,496,000	Thailand	72,635,000
UK	59,668,000	UK	63,601,000
Italy	58,093,000	France	63,407,000
Congo, DR	57,549,000	Uganda	60,601,000
South Korea	47,817,000	Myanmar	59,002,000
South Africa	47,432,000	Columbia	57,738,000

## Table 2: Fastest Growing Countries 2000-2005

(Pop. Over 1 million)

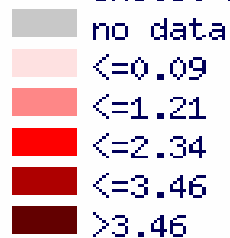
	Annual Growth Rate, %
United Arab Emirates	6.5
Afghanistan	4.6
Eritrea	4.3
Sierra Leone	4.1
Kuwait	3.7
Chad	3.4
Niger	3.4
Uganda	3.4
Benin	3.2
Burkina Faso	3.2
Palestine (occupied)	3.2
Somalia	3.2
Yemen	3.1
Burundi	3.0
Congo	3.0
Mali	3.0
Mauritania	3.0
Guinea-Bissau	3.0
Congo (Dem. Rep.)	2.8
Gambia	2.8
Iraq	2.8
Madagascar	2.8
Angola	2.8
Togo	2.7
Jordan	2.7
Saudi Arabia	2.7
Syria	2.5
Ethiopia	2.4
Guatemala	2.4
Paraguay	2.4
Rwanda	2.4
Senegal	2.4

## Map 1: Global Population Growth Rates, expected 2005-2010



 International Boundaries

Units: Percent

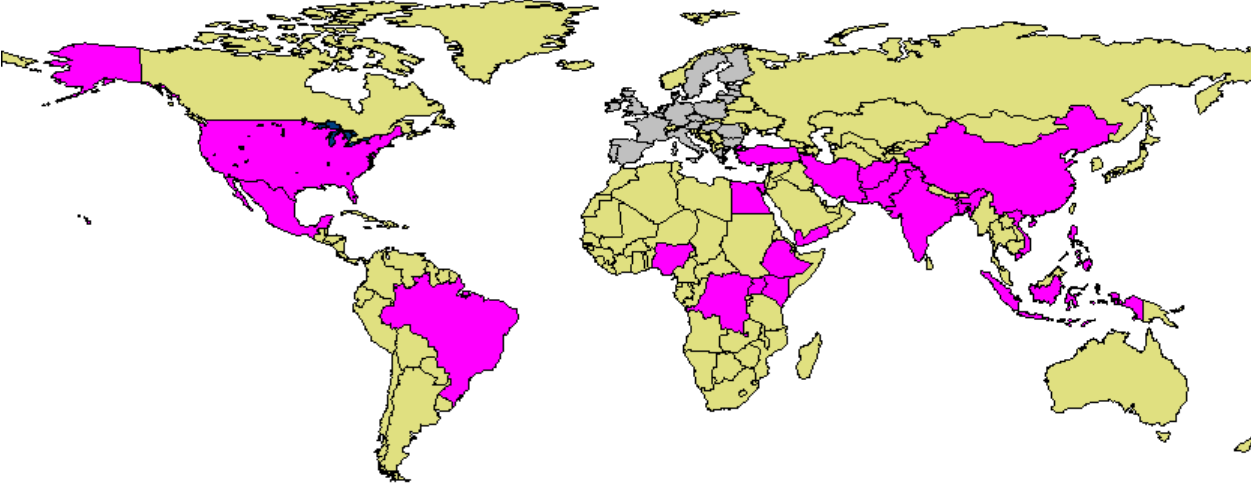


Source: UN Environmental Programme, Geo Data Portal, <http://geodata.grid.unep.ch/page.p>

**Table 3: Projected European Population Decline to 2050 (Millions)**

	2005	2025	2050
United Kingdom	59.7	63.7	67.1
France	60.5	63.4	63.1
Germany	82.7	82.0	78.8
Italy	58.1	56.3	50.9
Spain	43.1	44.2	42.5
Netherlands	16.3	17.2	17.1
Belgium	10.4	10.6	10.3
Poland	38.5	37.1	31.9
Czech Republic	10.2	9.8	8.4
Austria	8.2	8.3	8.1
Hungary	10.2	9.4	8.3
Portugal	10.5	10.9	10.7
Greece	11.1	11.2	10.7
Romania	21.7	19.9	16.8
Bulgaria	7.7	6.6	5.1
Russia	143.2	129.2	111.8
Ukraine	46.5	37.3	26.4

# Map 2: The Weight of World Population Growth



TOTAL WORLD POPULATION GROWTH 2005-2025

1,440 million

EU 27 (in Grey)

3.4 million (0.24%)

Top Twenty Growing Countries (in Purple)

1,047 million (73%)



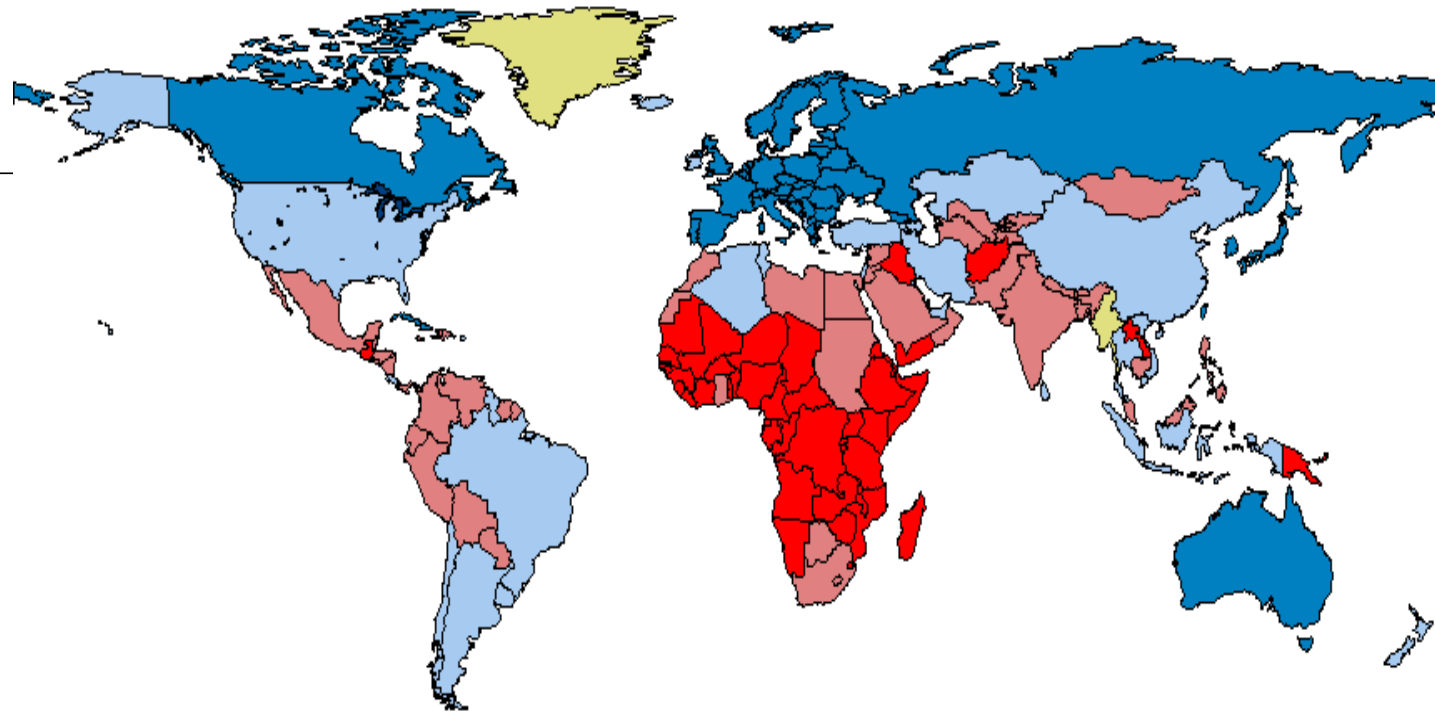
## Table 4: Youngest Countries

Country	age groups in 2005 (%)		
	0-14	15-59	60+
Uganda	50.5	45.7	3.8
Niger	49.0	47.7	3.3
Guinea-Bissau	47.5	47.7	4.7
Mali	48.2	47.5	4.2
Chad	47.3	48.1	4.7
Dem. Rep. of Congo	47.3	48.5	4.3
Malawi	47.3	48.0	4.7
Burkino Faso	47.2	48.6	4.2
Congo	47.1	48.3	4.5
Liberia	47.1	49.3	3.6
Afghanistan	46.5	49.1	4.4
Angola	46.5	49.6	3.9
Yemen	46.4	50.0	3.6
Zambia	45.8	49.5	4.6
Palestine (Occ. Terr.)	45.5	50.0	4.5
Burundi	45.0	50.8	4.2
Eritrea	44.8	51.3	4.0
Ethiopia	44.5	50.8	4.7
Eq. Guinea	44.4	49.6	6.0
Nigeria	44.3	50.9	4.8
Benin	44.2	51.5	4.3
Somalia	44.1	51.7	4.2

## Table 5: Oldest Countries

Country	2005		2050	
	15-59	60+	15-59	60+
Japan	59.7	26.3	44.9	41.7
Italy	60.4	25.6	45.5	41.3
Germany	60.6	25.1	50.1	35.0
Sweden	59.2	23.4	53.0	30.9
Greece	62.7	23.0	49.6	36.8
Austria	61.8	22.7	49.2	37.2
Latvia	62.8	22.5	48.0	38.3
Belgium	60.8	22.4	51.4	33.3
Bulgaria	63.8	22.4	48.4	38.8
Portugal	61.8	22.3	49.3	36.3
Croatia	62.4	22.1	50.0	35.6
Switzerland	61.7	21.8	50.8	33.7
Estonia	63.3	21.6	50.6	33.6
Spain	64.3	21.4	46.1	39.7
Finland	61.4	21.3	52.0	32.6
Denmark	60.1	21.1	55.2	28.2
France	60.7	21.1	51.2	33.0
United K'dom	60.9	21.1	54.2	29.4
Ukraine	64.2	20.9	48.1	38.7
Hungary	63.5	20.8	50.1	36.2
Lithuania	62.6	20.7	48.9	37.9
Slovenia	65.6	20.5	47.2	40.2
Czech Republic	65.3	20.0	47.5	39.3
Norway	60.4	20.0	53.7	30.0

### MAP 3: Age Structures, 2005



Percentage of Population under 15 years old, 2005

Red: 40+   Pink: 30-39   Light Blue: 20-29   Dark Blue: <20

## **Table 6: Urban Agglomerations, 2015**

### **Over 20 million**

Tokyo  
Mumbai  
Delhi  
Mexico City  
Sao Paulo

### **15 to 20 million**

New York  
Jakarta  
Lagos  
Calcutta  
Karachi

### **11 to 15 million**

Buenos Aires  
Cairo  
Los Angeles  
Shanghai  
Manila  
Rio de Janeiro  
Osaka  
Istanbul  
Beijing

**Table 7: Projected Urban Populations,  
percentage in 2030**

<b>REGION</b>	<b>2003</b>	<b>2030</b>
E. Africa	26	41
N. Africa	35	48
M. Africa	37	54
W. Africa	42	54
S. Africa	54	67
SE Asia	42	60
Europe	73	80

# Sources for Tables

Tables 1 and 2:

UN Population Division: World Population Prospects, 2004 Revision

**Note:** projections based on medium-variant for global population growth estimates by the UN.

[http://www.un.org/esa/population/publications/WPP2004/2004Highlights\\_finalrevised.pdf](http://www.un.org/esa/population/publications/WPP2004/2004Highlights_finalrevised.pdf)

Table 3: US Bureau of the Census, International Data Base.

<http://www.geohive.com/global/geo.php?xml=idb&xsl=idb&par1=eu>

Tables 4 and 5: UN Population Division, *ibid.*

Tables 6 and Table 7: UN Population Division: World Urbanization Prospects, 2003 Revision

<http://www.un.org/esa/population/publications/wup2003/WUP2003Report.pdf>