

A forecast population of 9 billion-  
Realistic? Manageable?  
Sustainable?

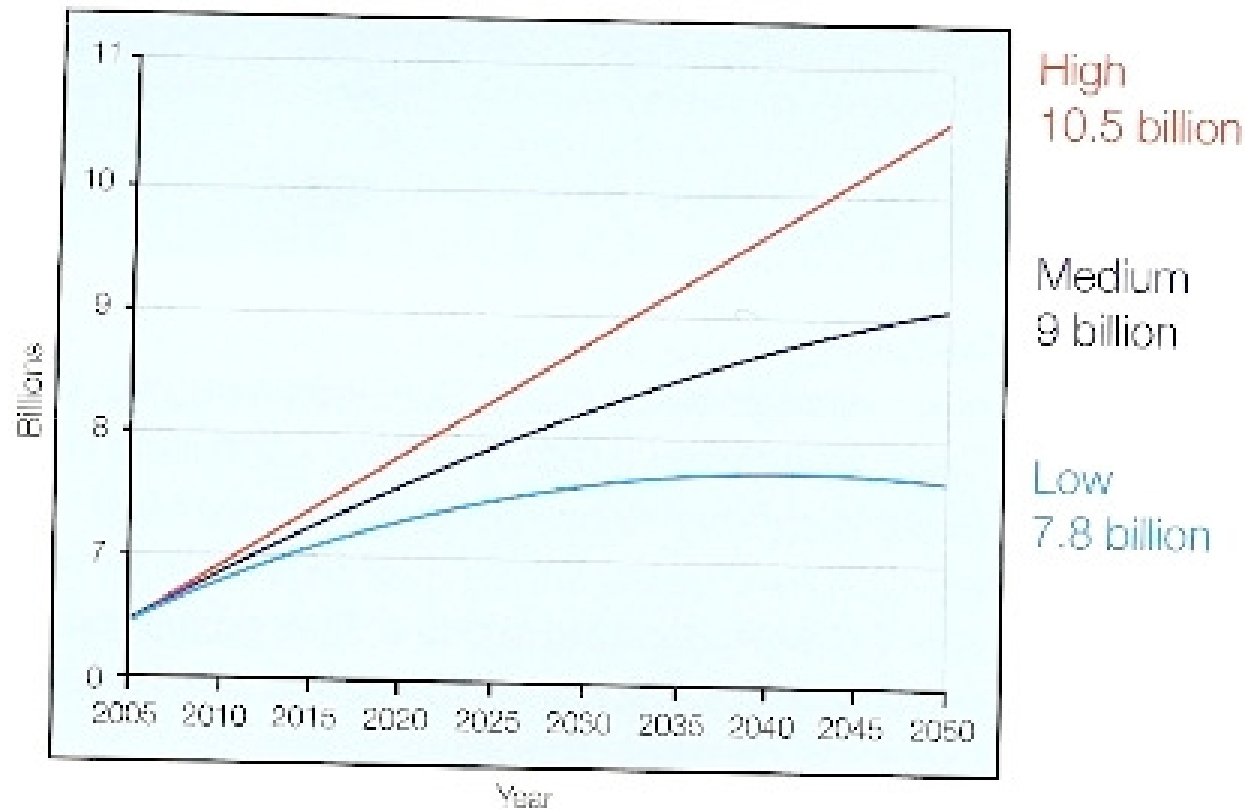
Aubrey Manning

“I’ve never seen a problem that wouldn’t be easier to solve with fewer people, or harder, and ultimately impossible, with more.”

David Attenborough

Figure 2

## UN World population projections for 2005 to 2050

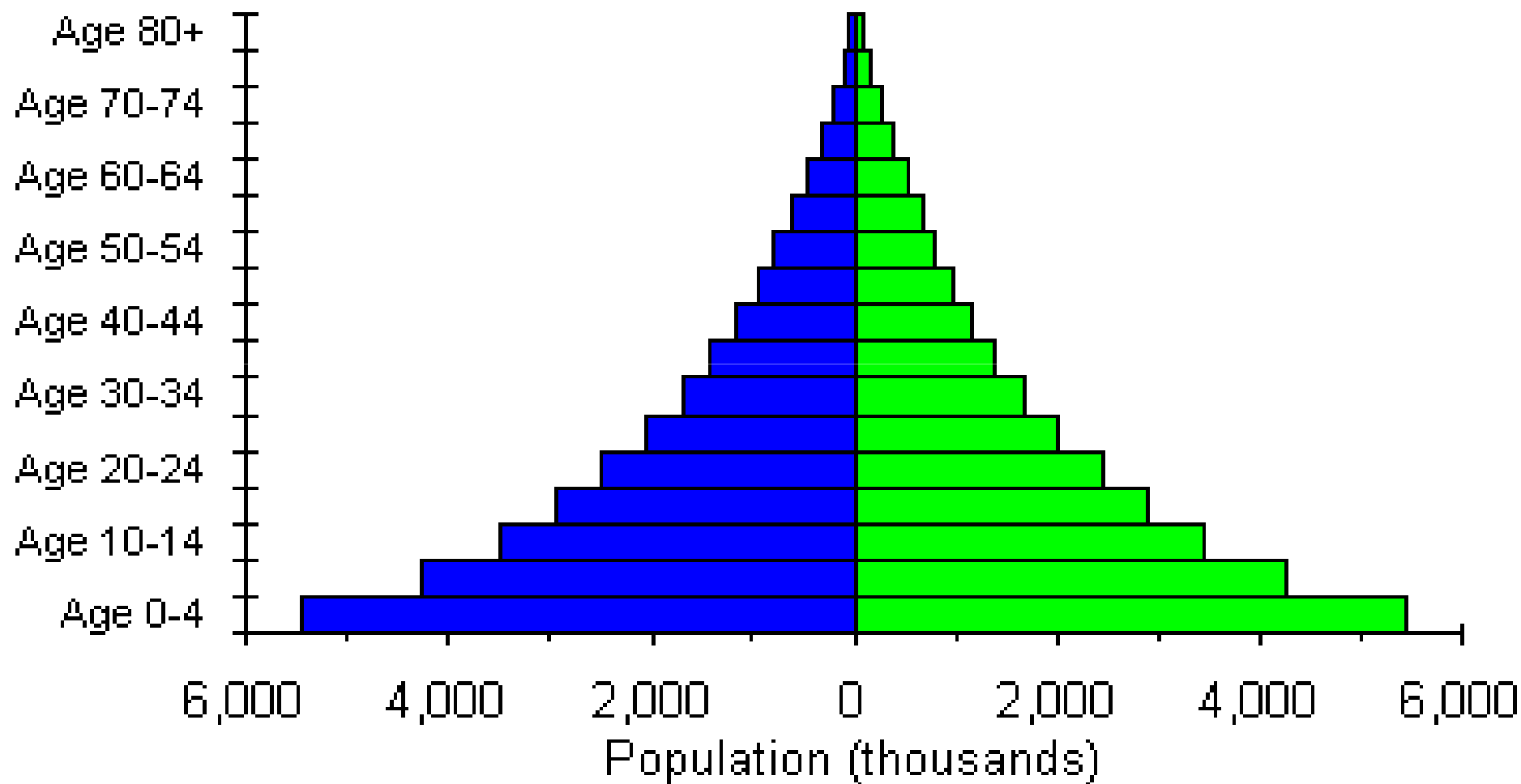


Source: United Nations

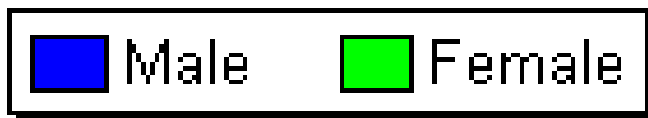
“The battle against endemic poverty and chronic hunger, particularly in the world’s 50 Least Developed Countries, is made all the more difficult due to their current high rates of population growth.”

United Nations, *GDH 1.07*

# Ethiopia\* Population Pyramid 1995

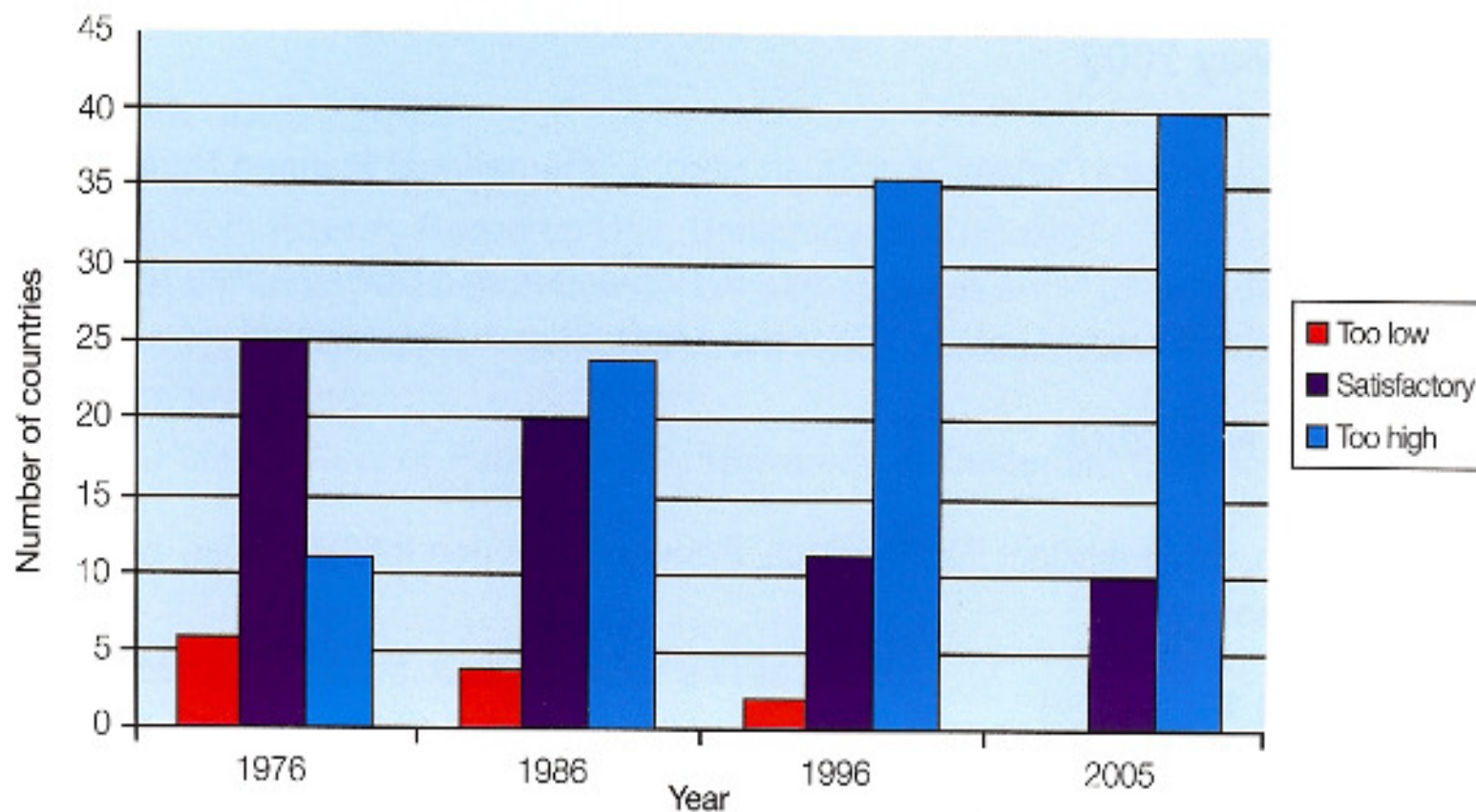


1990 estimate includes Eritrea



Graphed by  
William H. Bender

## Government views on the rate of population growth in the least developed countries



Source: United Nations, Dept of Economic and Social Affairs.  
Written Evidence to the A-PPG on Population, Development &  
Reproductive Health 21st February 2006

courage the development, environment and reproductive health/family planning

- Increase production on present cultivated land.
- New land brought into production.
- GM advances.
- Better infra-structure & marketing.
- Changed diet.







$$I = P \times A \times T$$

The **IMPACT** of a population is the multiplicand of its numbers (P), its affluence (A) and its technology (T)

We cope by means of  
denial.

There is more than one  
'Inconvenient Truth.'

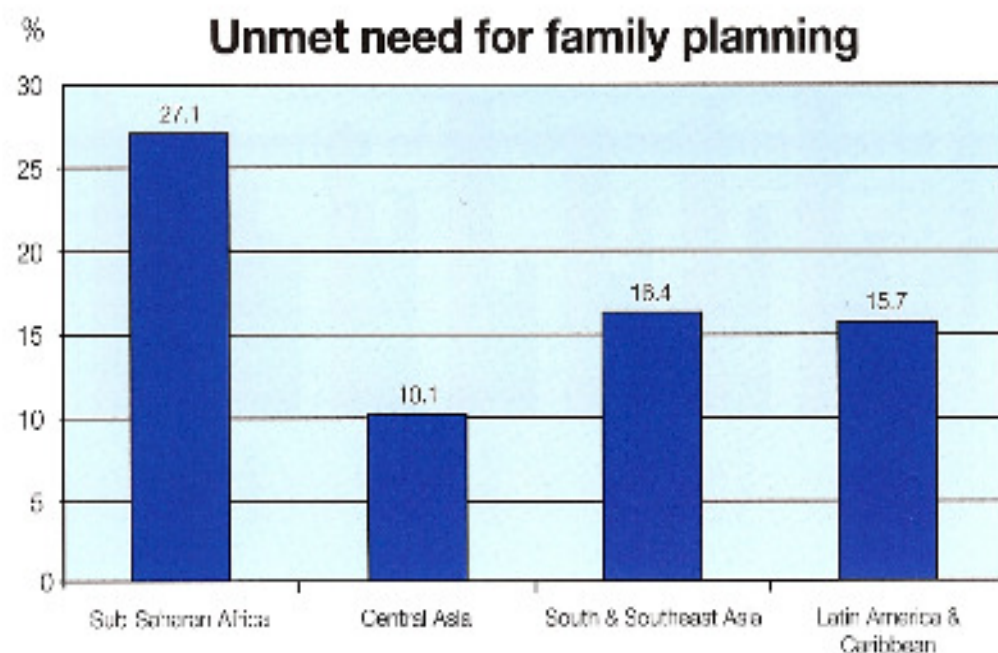
The World - breaking news...

200,000 extra people  
since yesterday!

(Which news breaks  
afresh *every* day.)

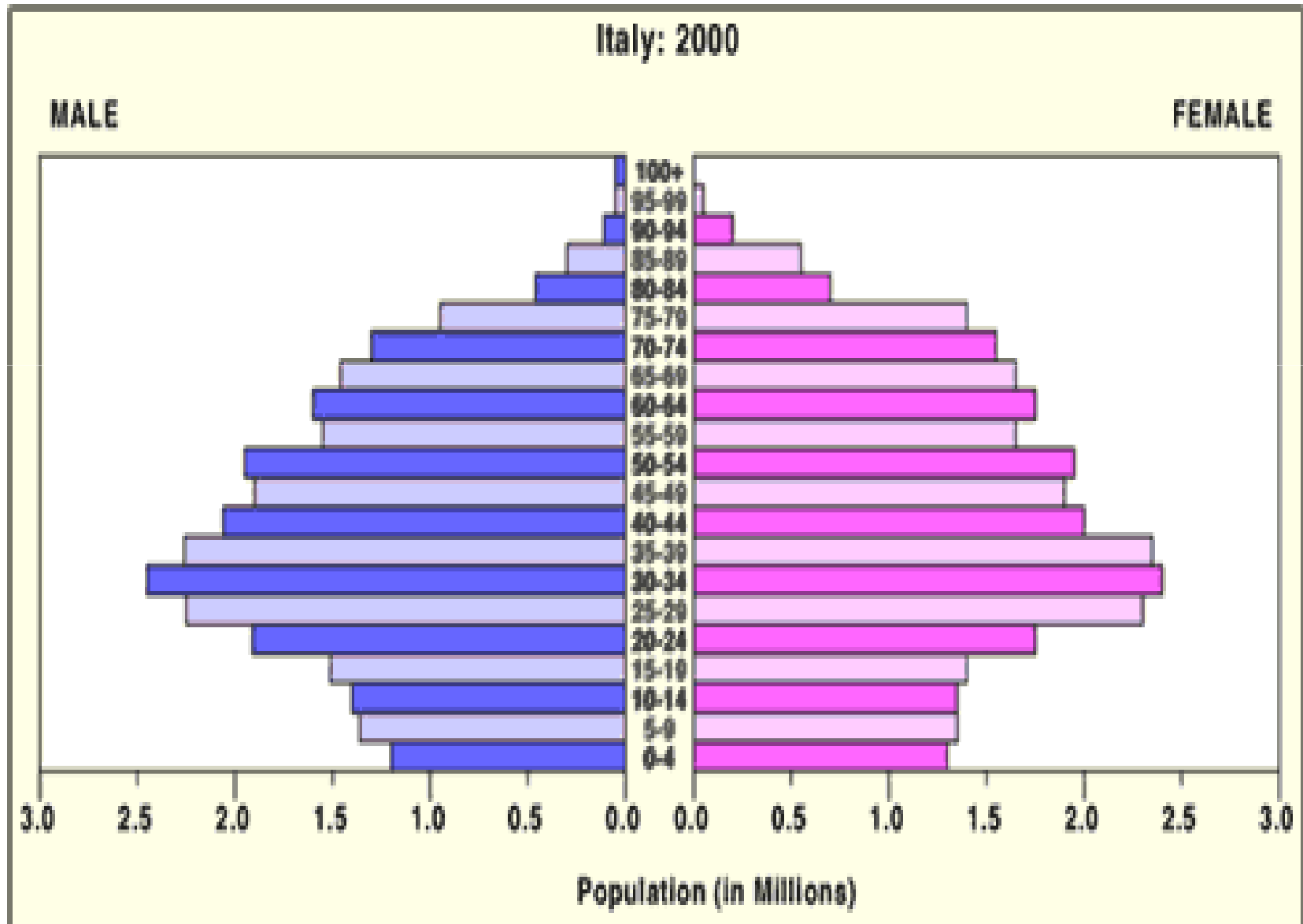
Only four percent of women in Sierra Leone have access to contraception, but 25% say they would consider using a modern method.<sup>33</sup> A quarter of women in Madagascar have an unmet need for family planning, and half of these want to stop childbearing altogether.<sup>34</sup>

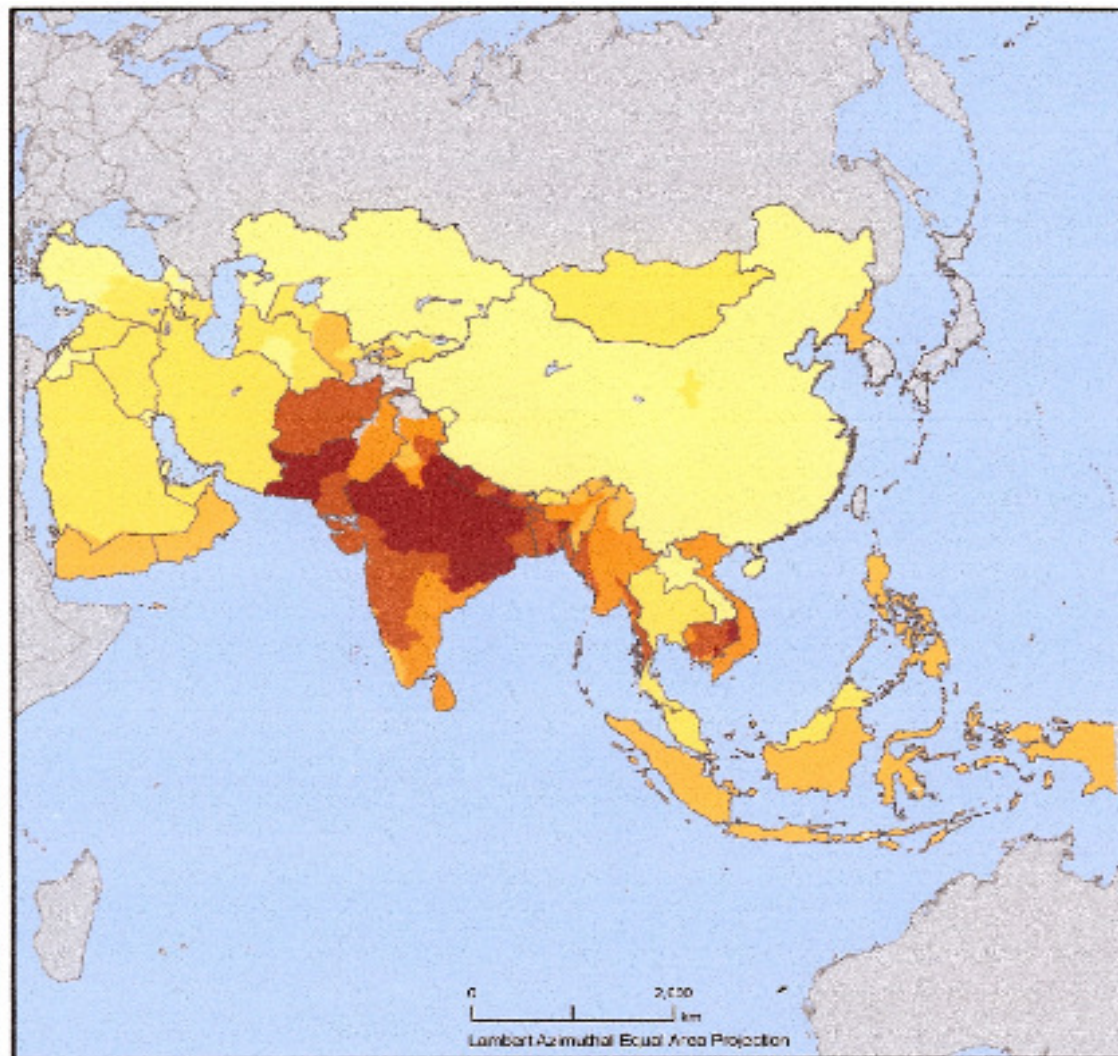
Figure 5



Source: J. Baudouy (2006), World Bank, "Bringing population dynamics and sexual and reproductive health into development policy debates." Paper presented at DFID-AFD workshop on "Demography, reproductive health and sustainable economic growth in Africa," Paris, March 2nd-3rd, 2006.

Population pyramid for Italy – typical of western Europe.





## Asia

By Subnational Administrative Level

### Measures of Poverty

## Child Malnutrition

Children are defined as underweight if their weight-for-age z-scores are more than two standard deviations (2 SD) below the median of the NCHS/CDC/WHO International Reference Population.

### Percent of Children Age 0-5 Underweight



National boundary



Copyright 2007, The International Center for Diarrheal Disease Control, Inc. (ICDD),  
 Center for International Earth Science Information Systems (CIRES),  
 Columbia University. Global administrative data of 1982 underweight children maps.

Subnational boundaries have been removed from countries for clarity.



You can never plan the  
future by the past.

Edmund Burke  
1729-1797



‘Climate is an ill-tempered  
beast and we are poking  
it with sticks.’

Wally Broecker