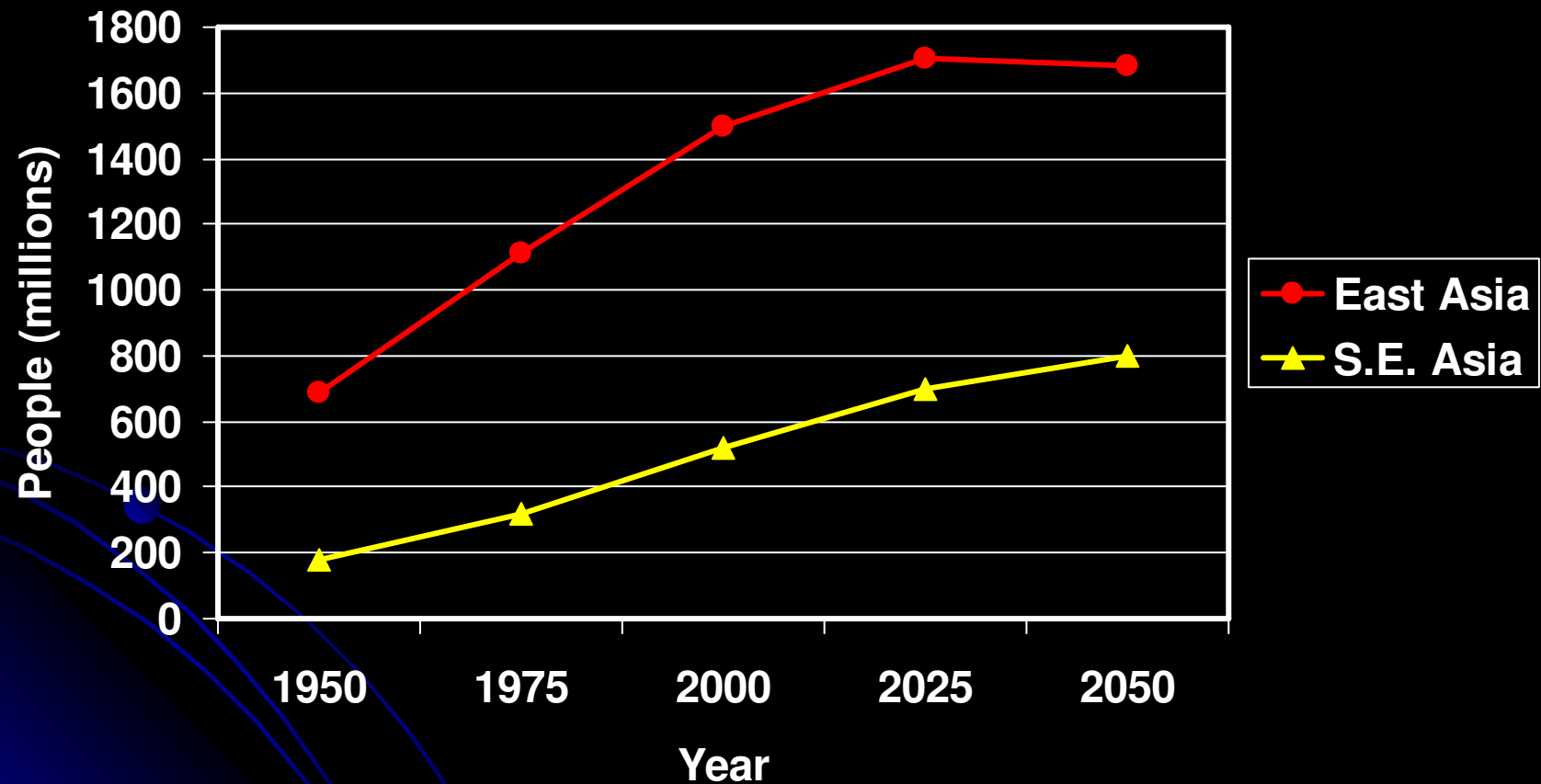


ISSUES and CHALLENGES for the ASIA and PACIFIC REGION

by Charles E. Morrison, East-West Center



East Asian Population

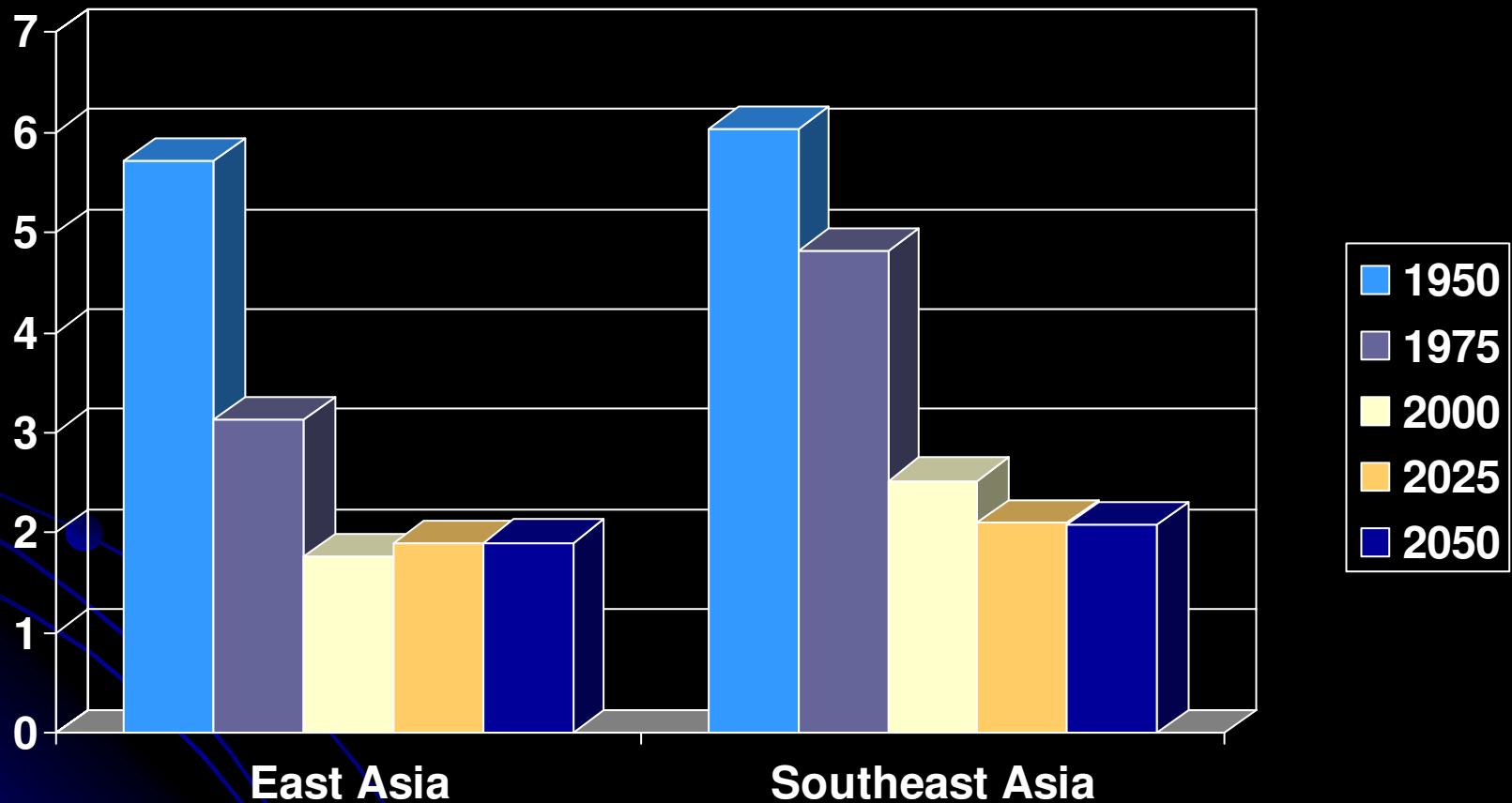


East-West Center, Future of Population

E

Fertility Decline

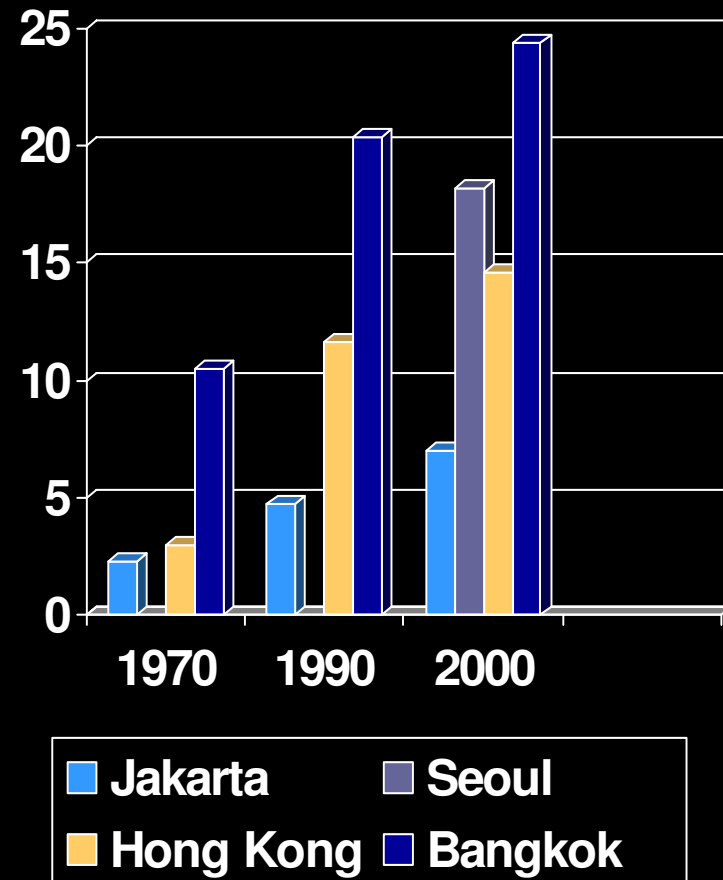
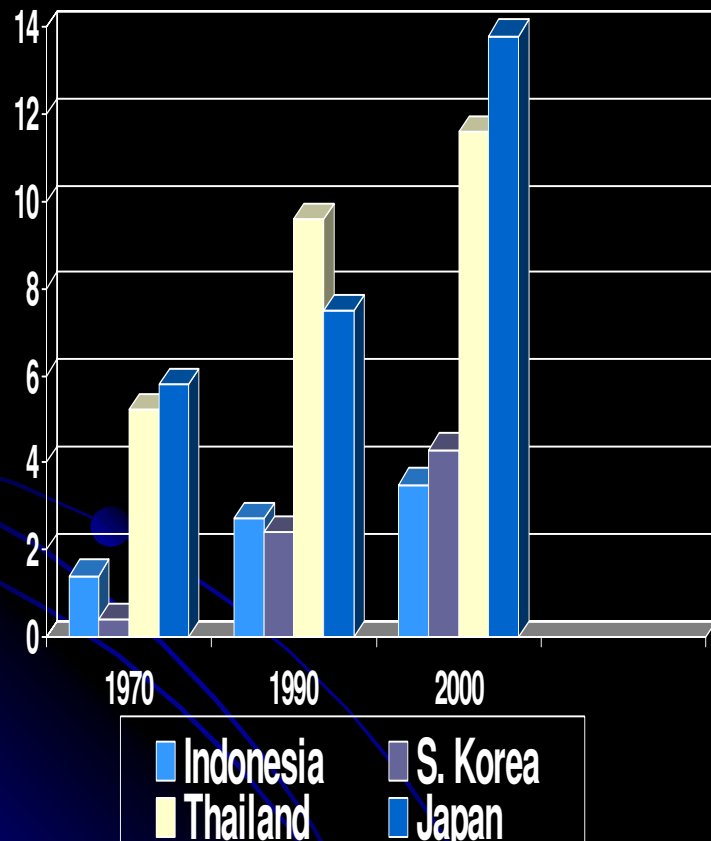
Total Fertility Rate: Babies per Female



East-West Center, The Future of Population in Asia, 2002, p. 10.

“Flight from Marriage:”

(Never Married Rates: Female, Age 35-39)

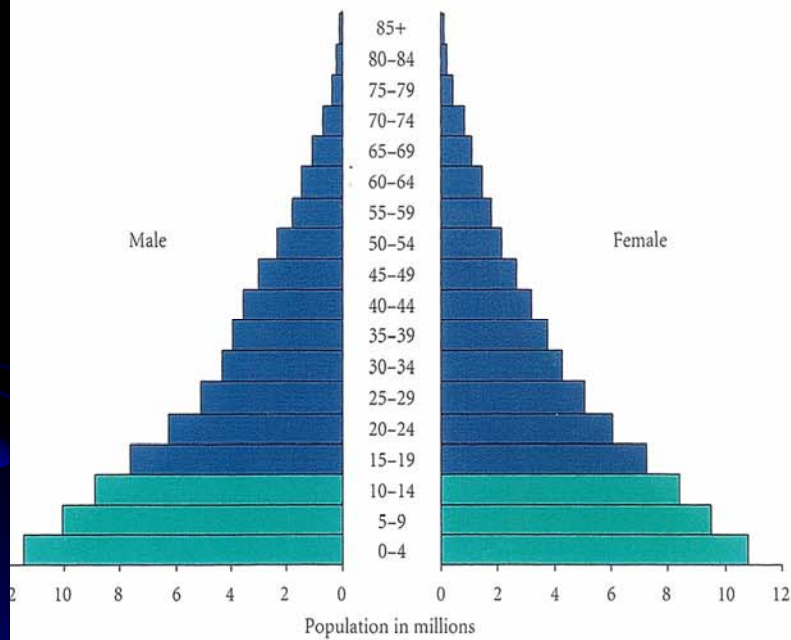


Adapted from Gavin C. Jones, The “Flight from Marriage” in South-East and East Asia

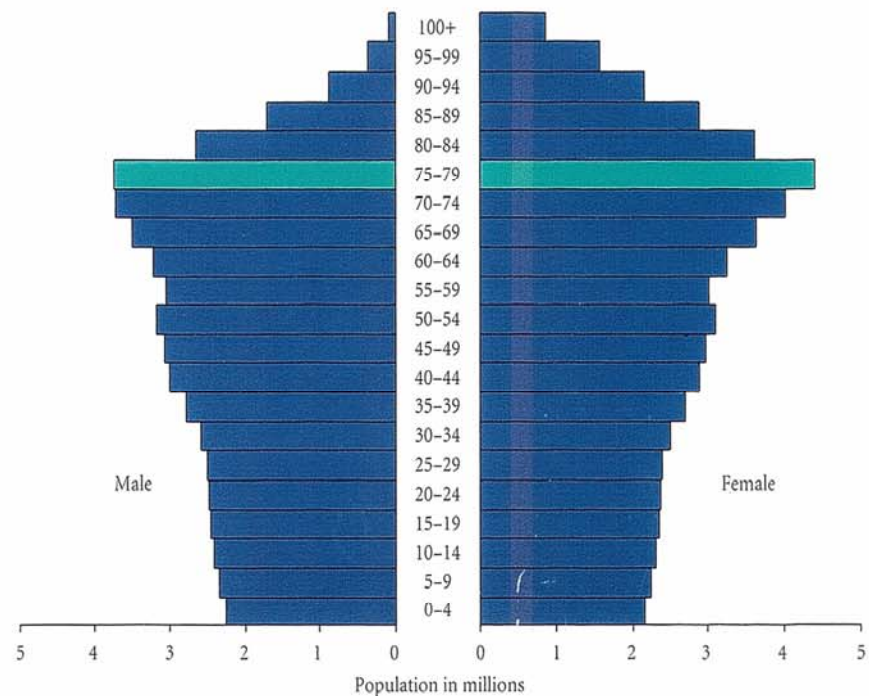
Population Composition

Pakistan, 2000

Japan, 2050



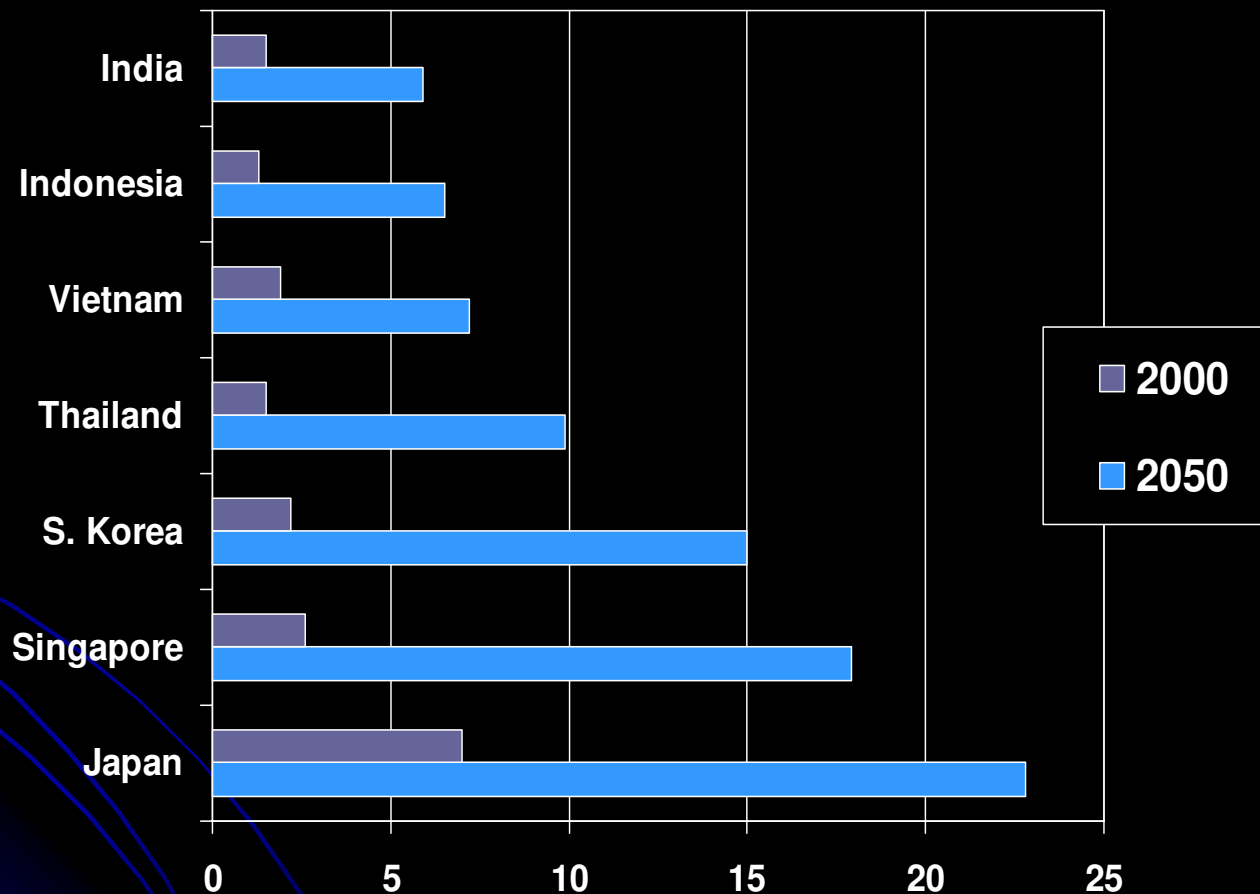
Source: United Nations (2001).



Source: United Nations (2001).

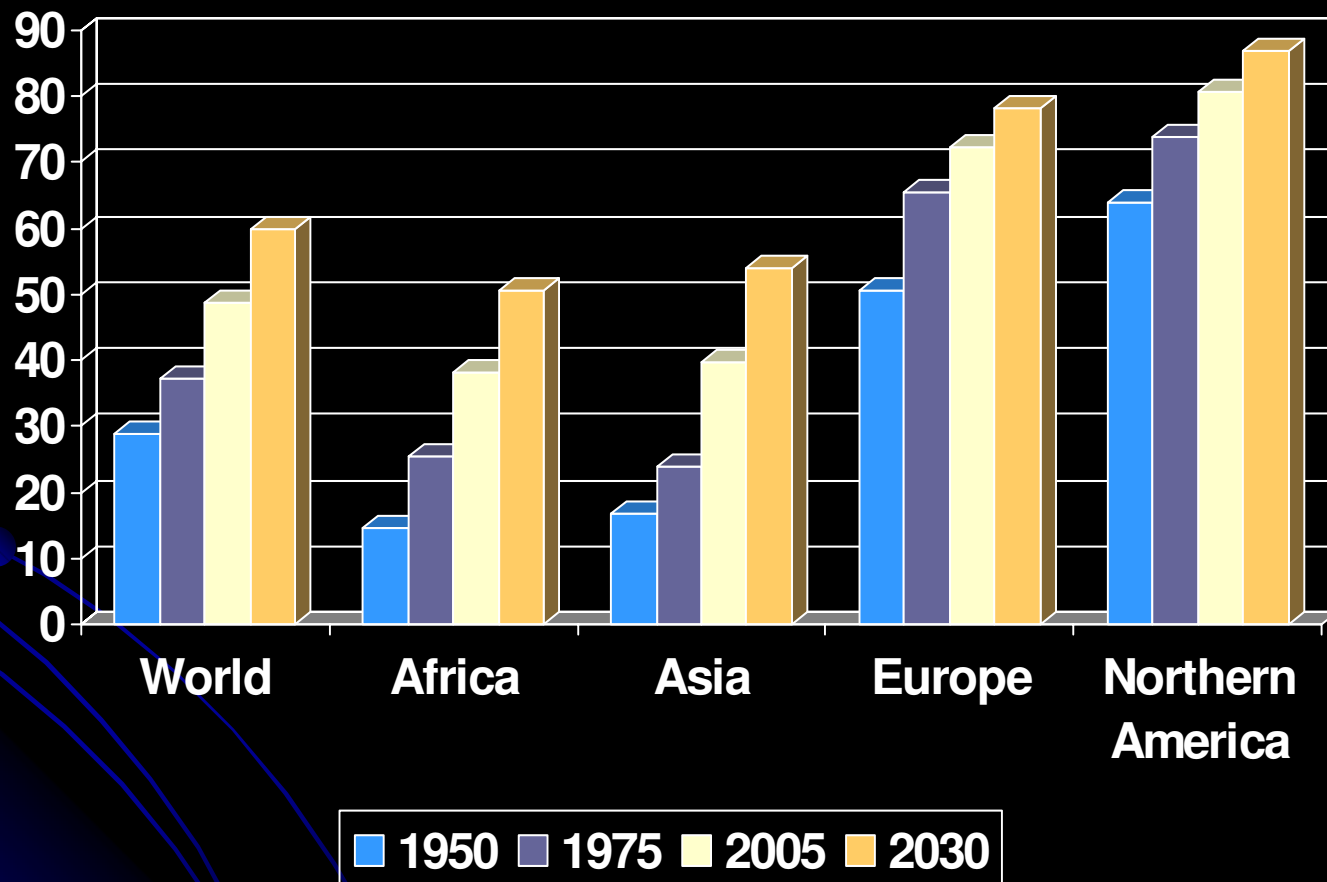
Source: Future of Population in Asia, East-West Center, 2002.

Growth of Elderly Percent of Population Over Age 75



Source: East-West Center, Future of Population

Urban Populations: 1950-2030



UN, Department of Economic and Social Affairs, Population Division (2006). World Urbanization Prospects

East Asian Urban Areas of over 10 Million Population

- 1950

Tokyo, 11.3 million

- 1975

Tokyo, 26.3 million

Seoul-Inchon 12 million

Shanghai, 11.4 million

- 2003

Tokyo, 35 million

Seoul-Inchon 20 million

Shanghai, 12.8 million

Jakarta, 12.3 million

Manila, 11.5 million

Osaka-Kobe, 11.0 million

Beijing 10.8 million,

- 2015

Tokyo, 36 million

Seoul-Inchon, 22 million

Jakarta, 18 million

Manila, 15 million

Shanghai, 15 million

Beijing, 12 million

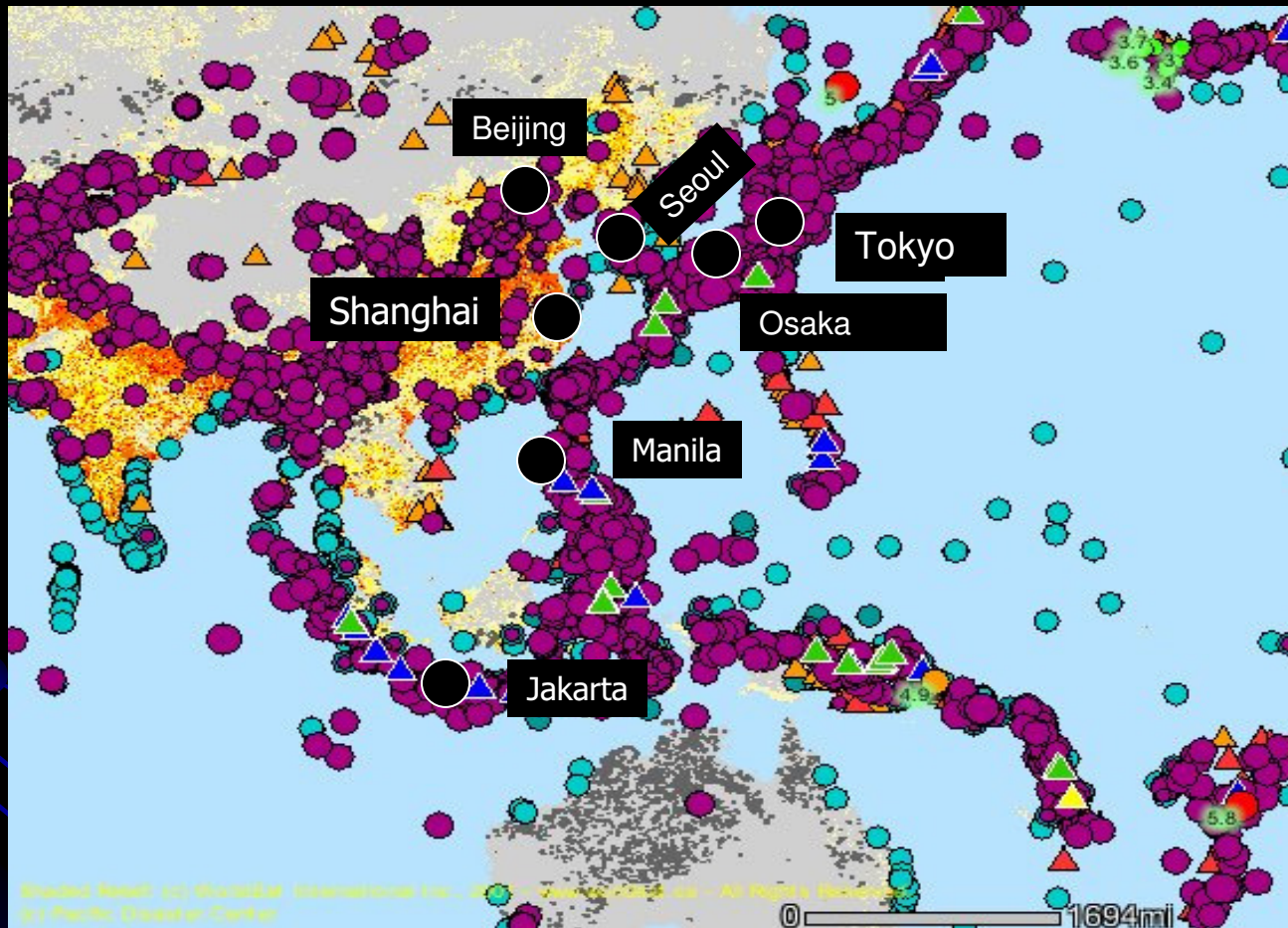
Osaka-Kobe, 11.0 million

Tianjin, 11 million

Bangkok, 10 million

Sources: Various, data should be taken as indicative of trends,
definitions of urban boundaries may vary

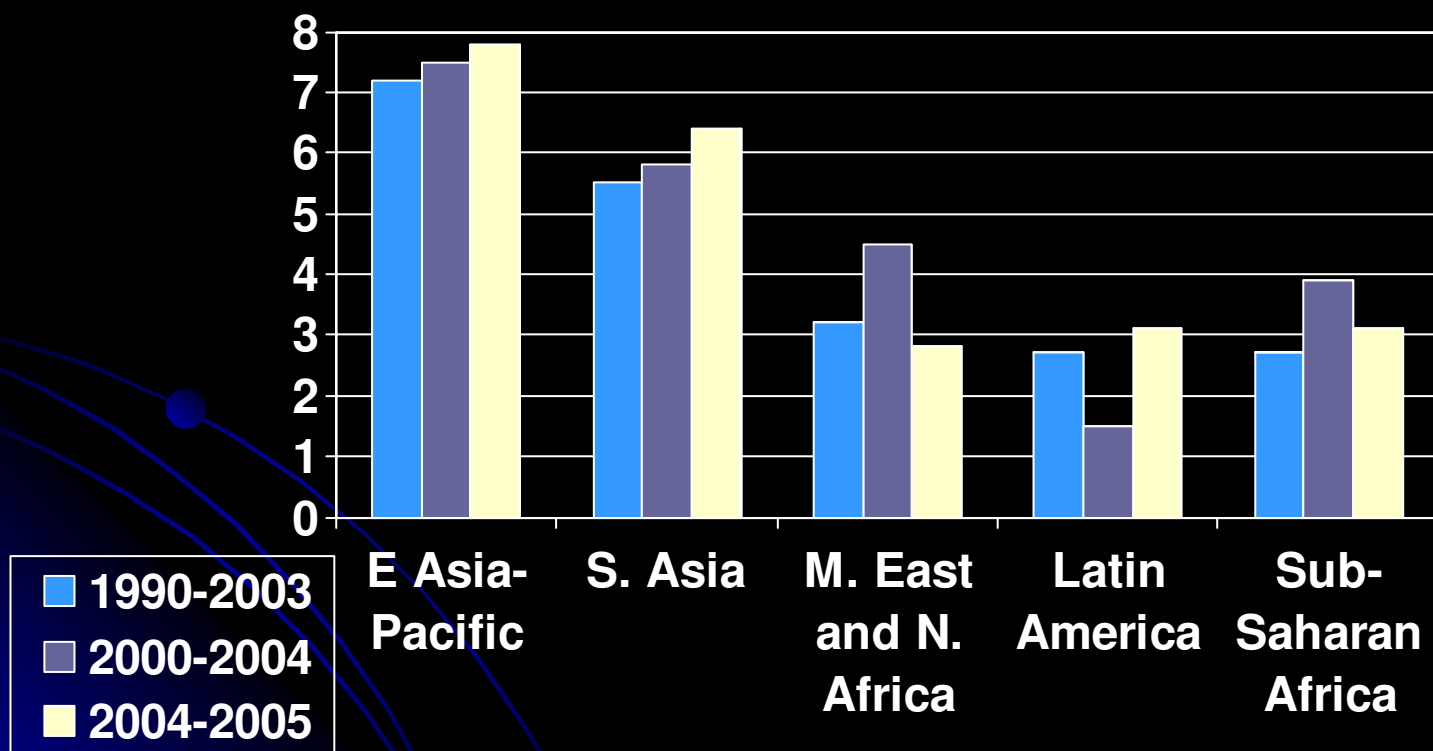
Asia Pacific Disaster Map



Pacific Disaster Center

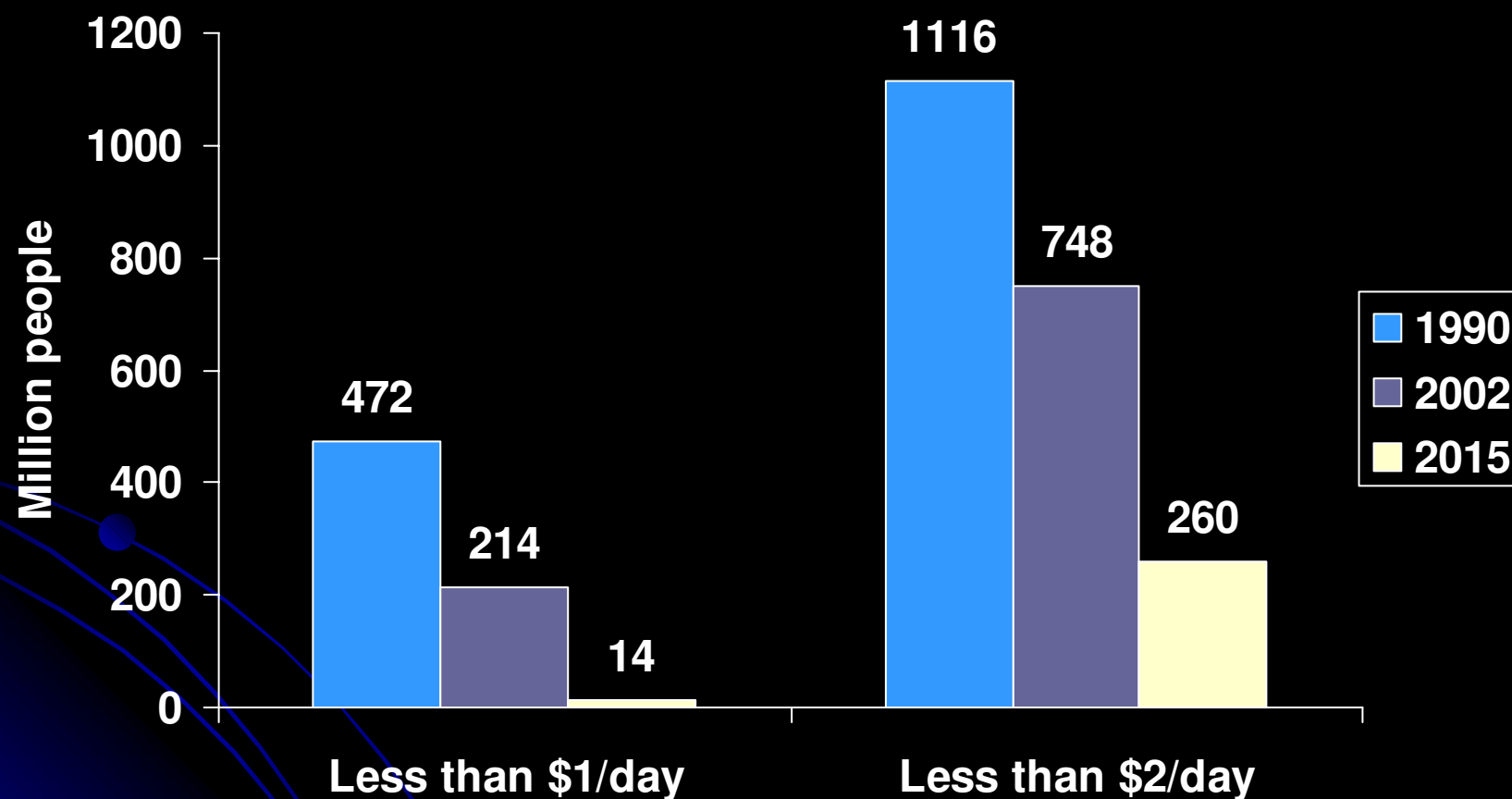
Global Growth: Lower and Middle Income Countries: 1990 - 2005

Per capita annual GDP growth



Source: World Bank, World Development Report, 2005, 2006, 2007

Poverty Estimates: Developing East Asia-Pacific



World Bank, 2006

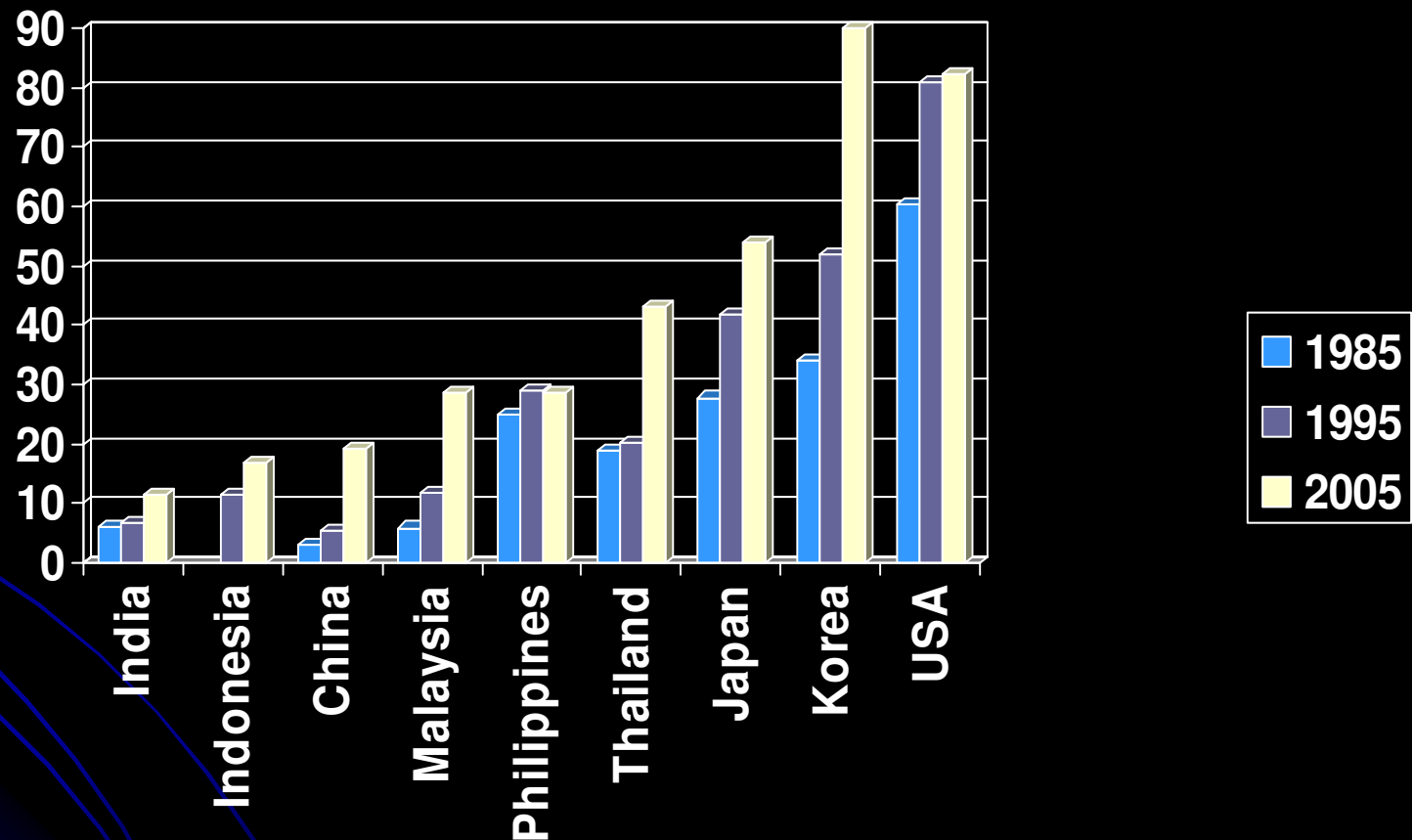
Labor Productivity Growth

1993-2003

- WORLD: 10.9 percent
- Sub-Saharan Africa: -1.5 percent
- Middle East: 0.9 percent
- Latin America: 1.2 percent
- Industrialized economies: 14.9 percent
- Transition economies: 25.4 percent
- Southeast Asia: 21.6 percent
- South Asia: 37.9 percent
- East Asia: 75.0 percent

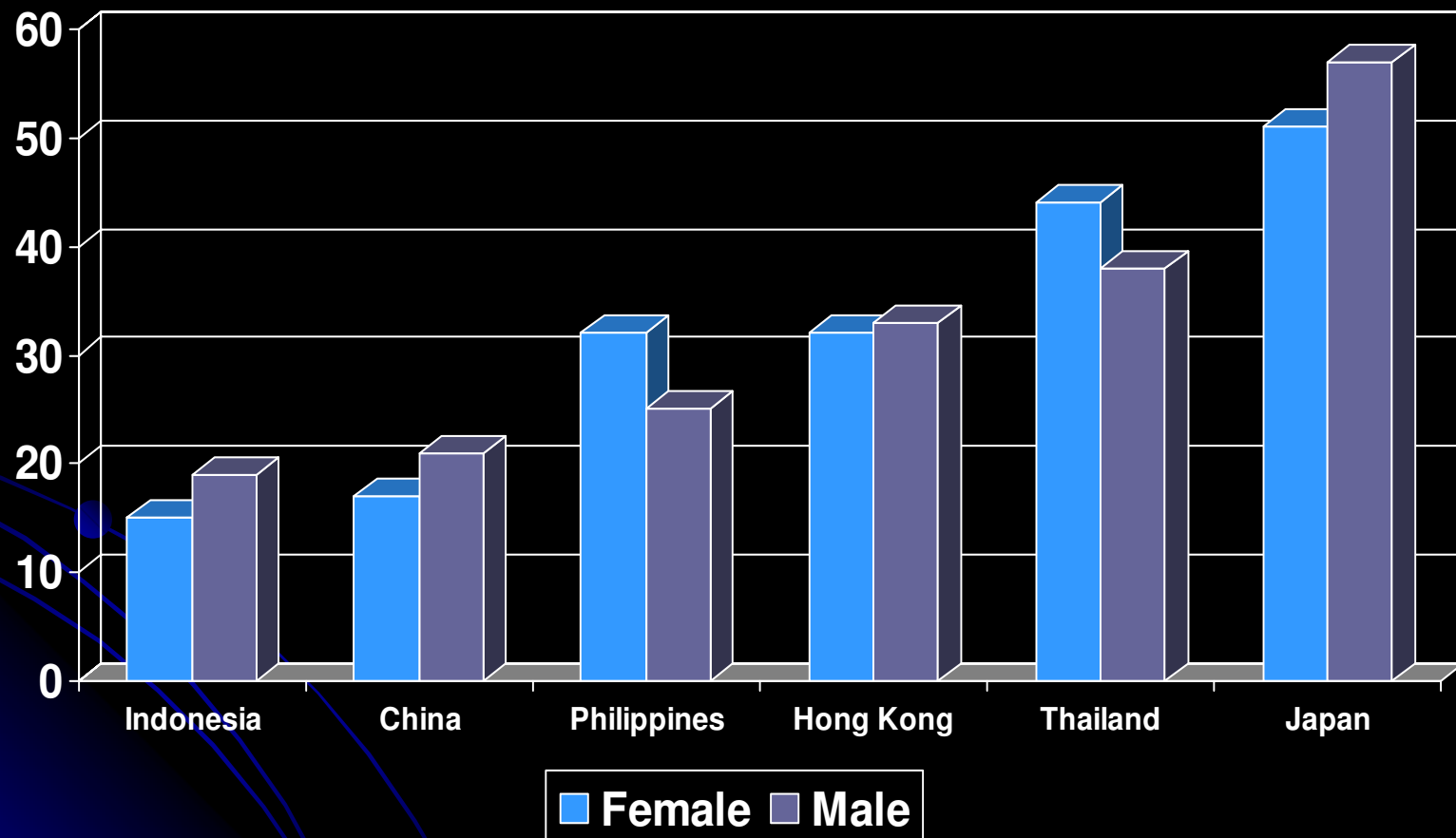
International Labor Organization

Growth of Tertiary Enrollment (Enrollment Ratios, 1985-2005)




Source: World Bank

Education: Percent of Tertiary Age Population in Tertiary Institutions, 2004



Source: UNESCO Institute of Statistics

Challenges

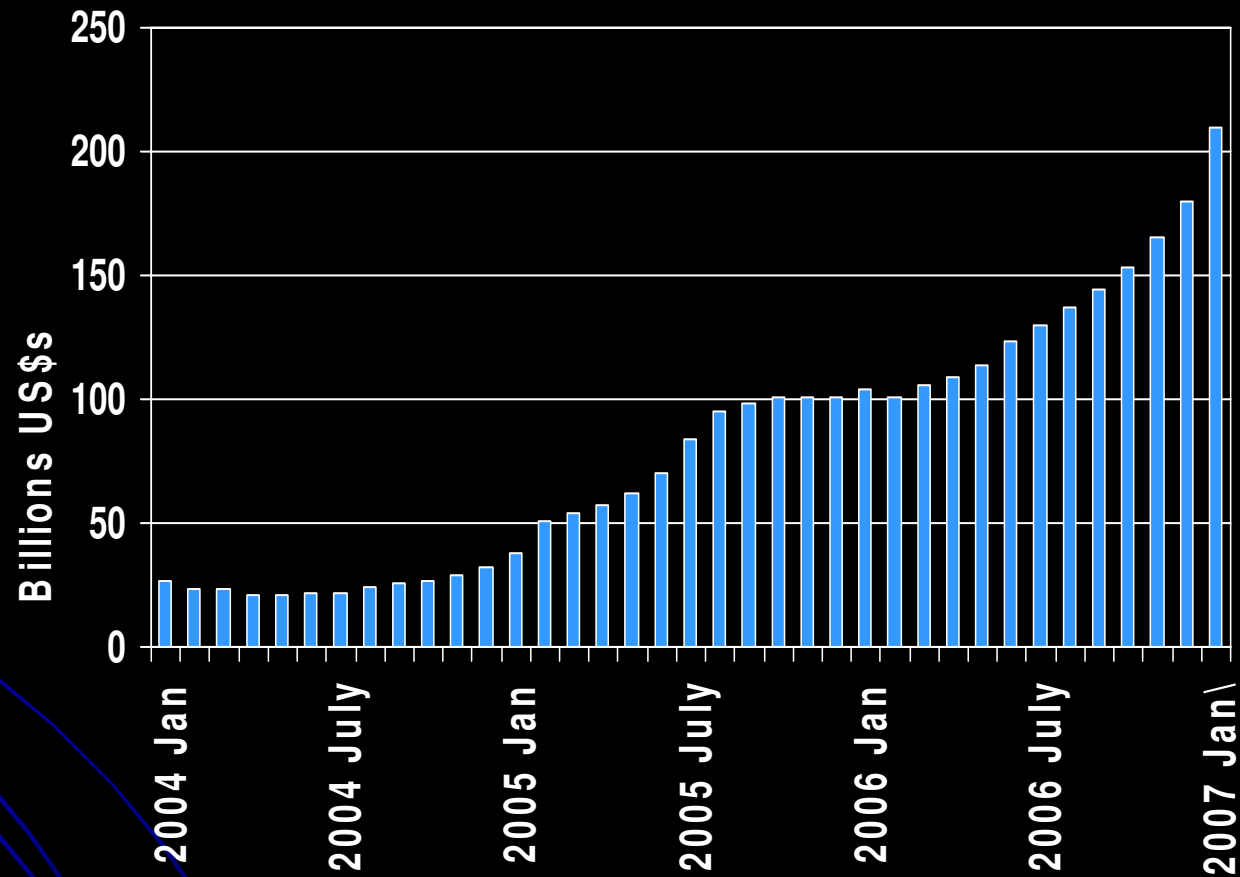
- Imbalances
 - Income Inequality
 - Health Issues
 - Resource Issues
 - Security Issues
 - Governance Issues
- 

Asia Pacific Current Account Imbalances (US bn)



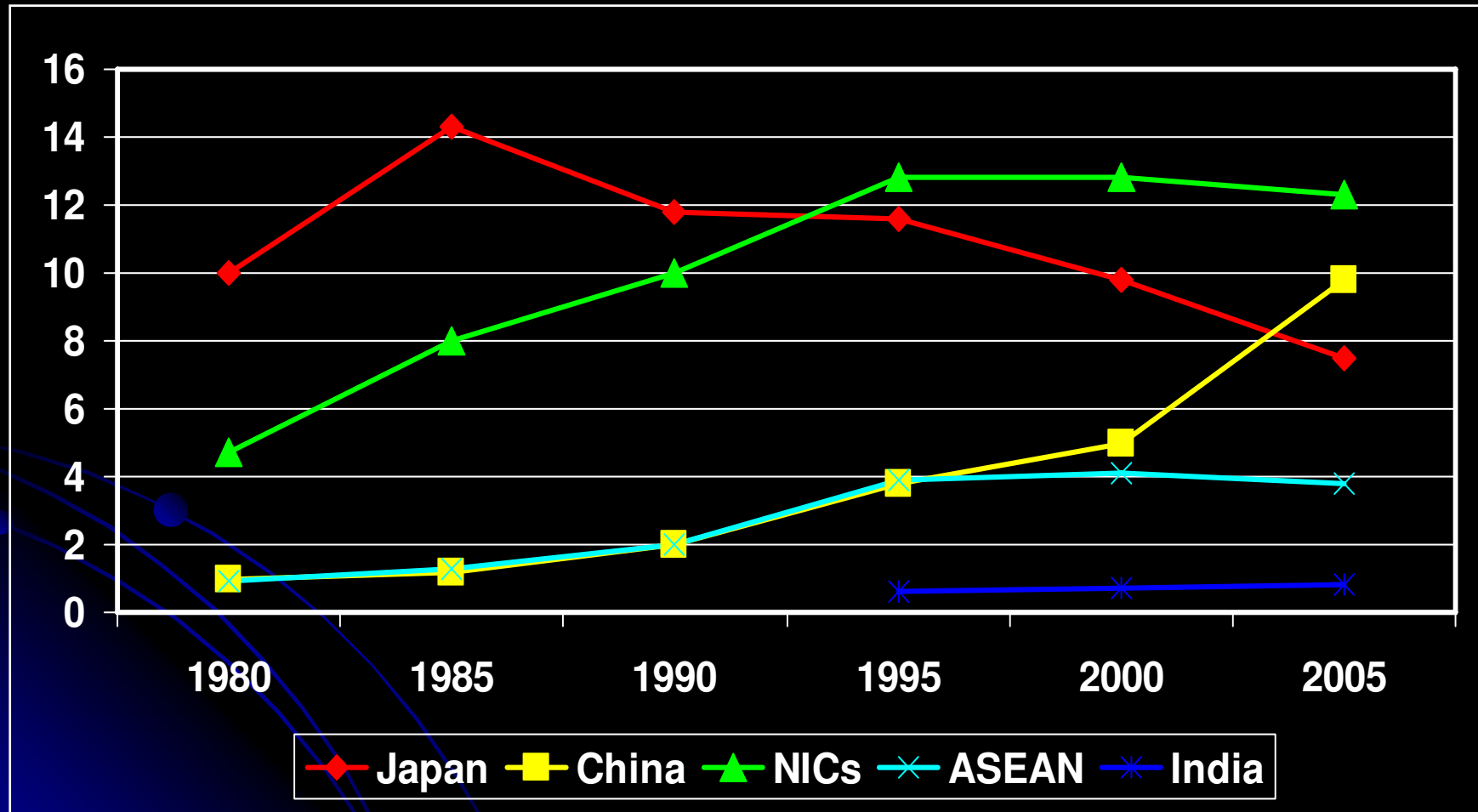
Pacific Economic Cooperation Council, 2007

China: Global Trade Surplus



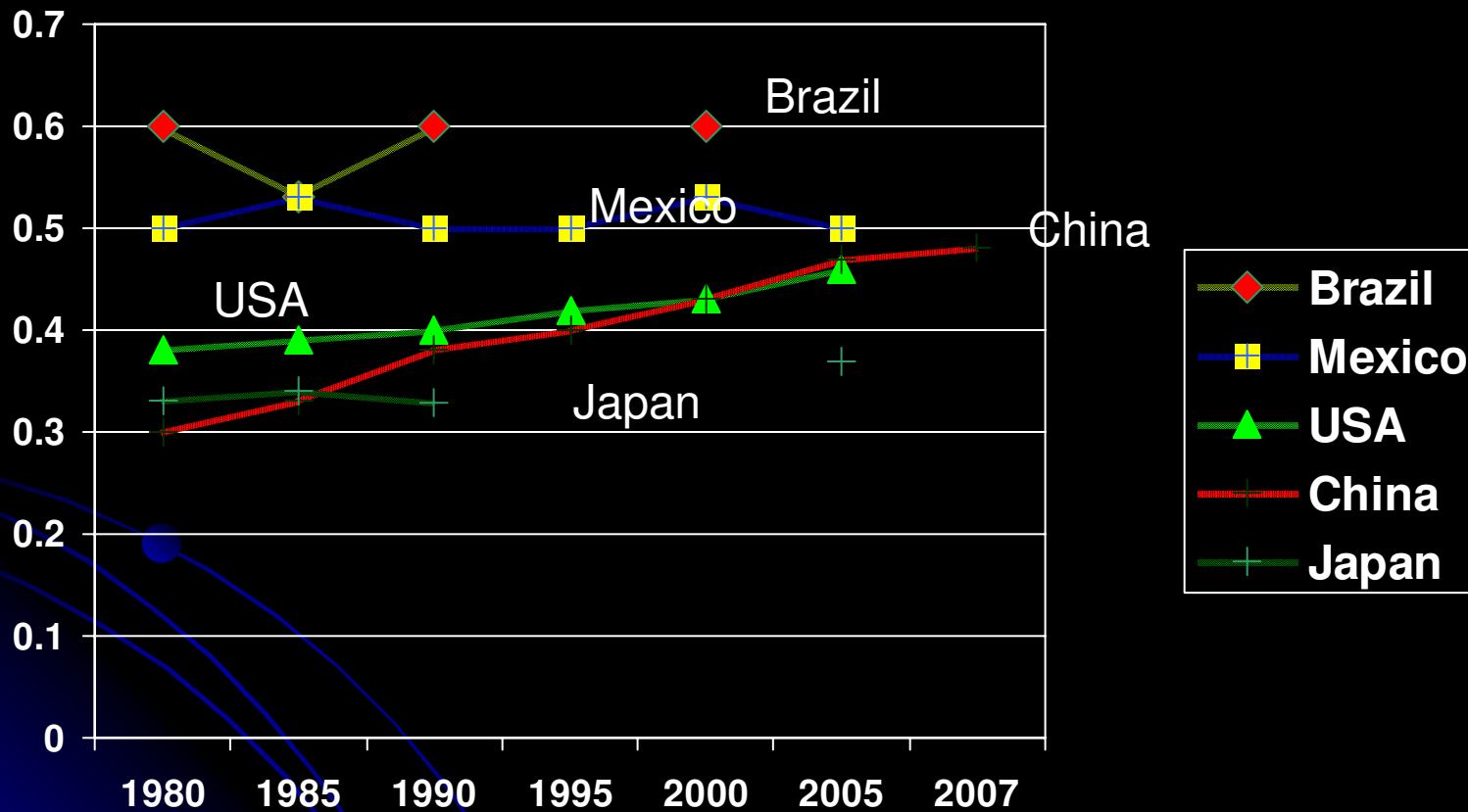
CEIC Data Company Ltd, cited by IMF

Gross Manufacturing Exports Percent of World Manufacturing Exports



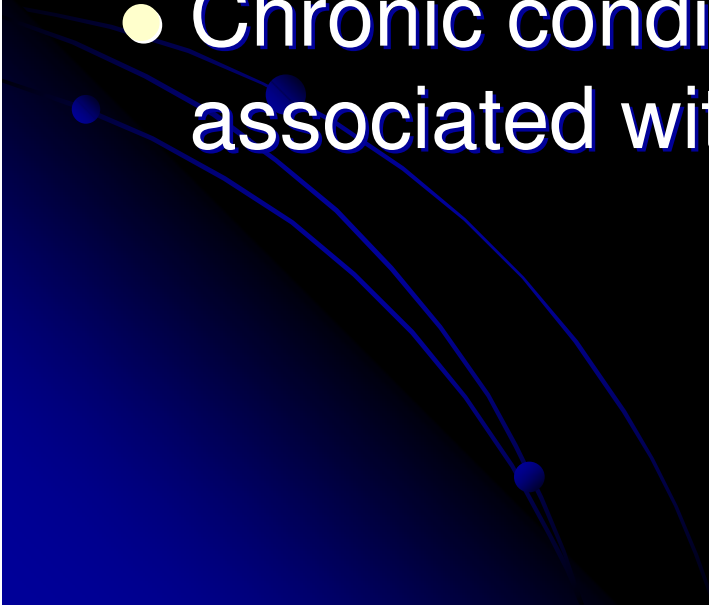
Source: WTO Trade Statistics, WDI and Treasury, cited by John Edwards, HSBC, April 2007

Gini Co-efficients

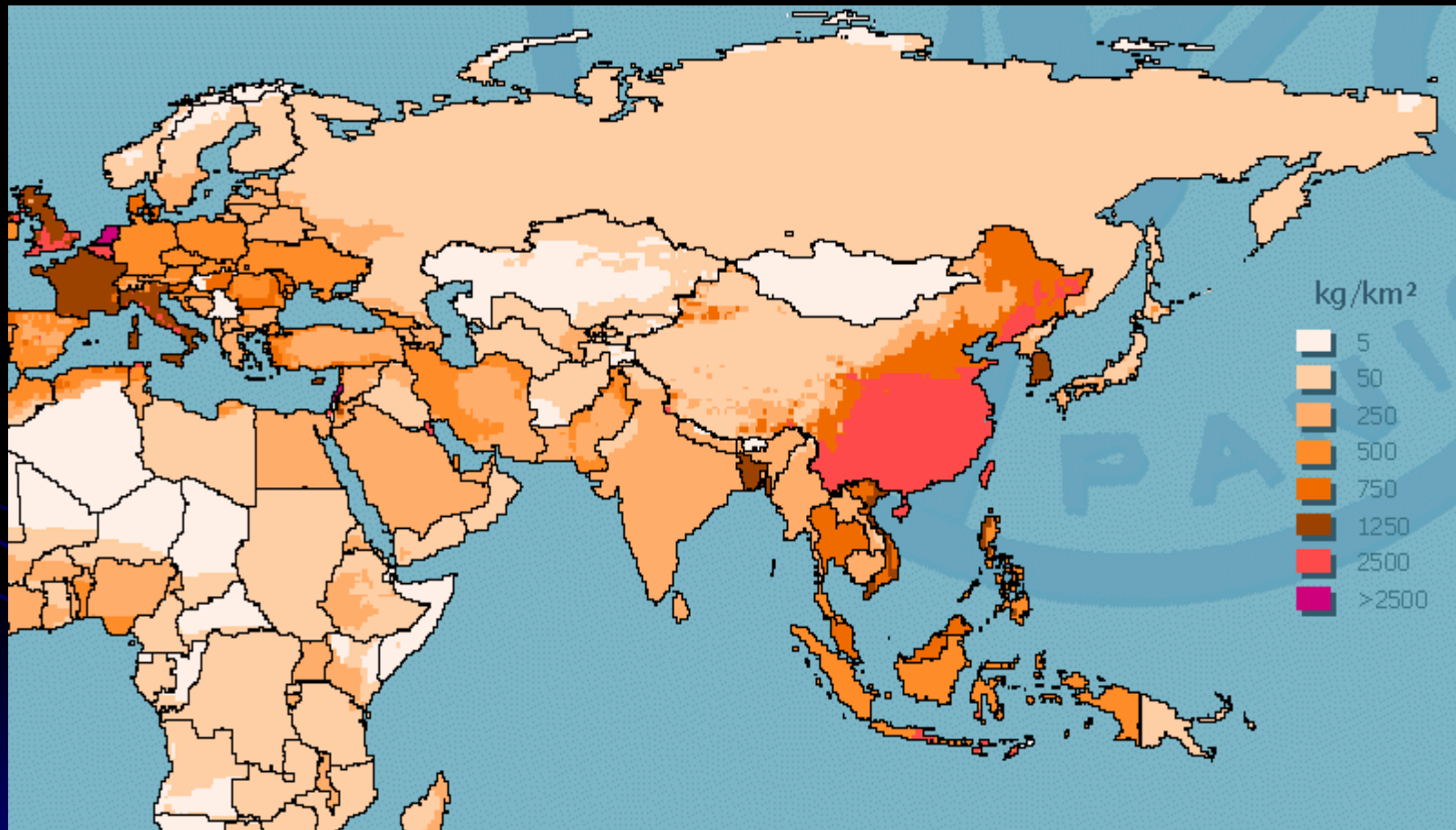


Source: Based on World Bank, years approximate

Health Issues

- Traditional Health Risks
 - New infectious diseases, including HIV/AIDS, avian flu, new strains of tuberculosis
 - Chronic conditions and diseases associated with life style changes
- 

Poultry Density

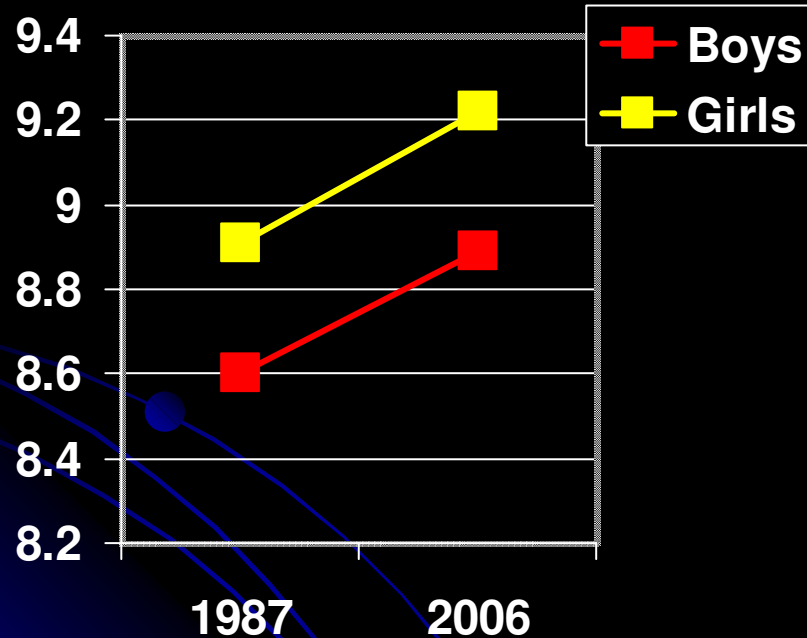


Source: FAO, AGA Livestock Atlas Series

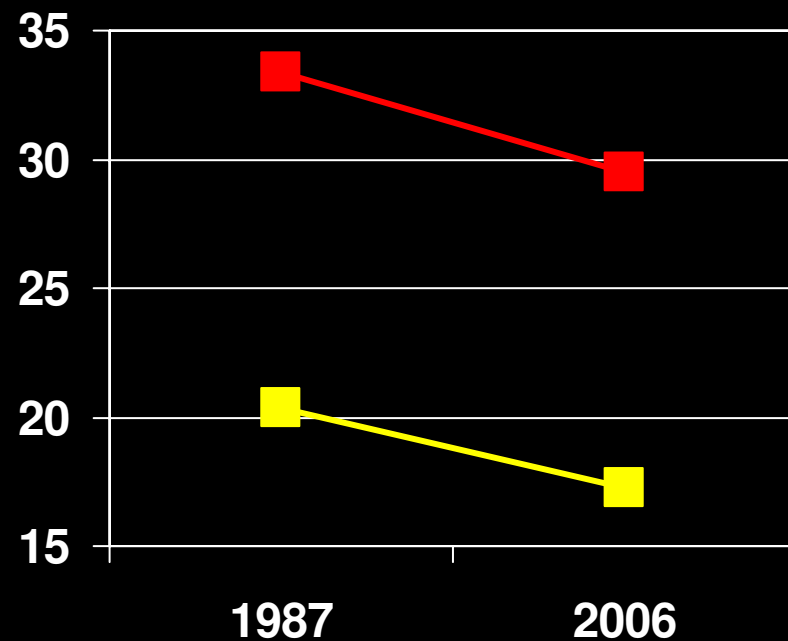
11-Year-Old Children's Fitness

Japan

Seconds to Run 50 Meters



Average Soft-Ball Throw (Meters)



Source: Japan Ministry of Education, Science and Technology, 2007

Children's Leisure Activities

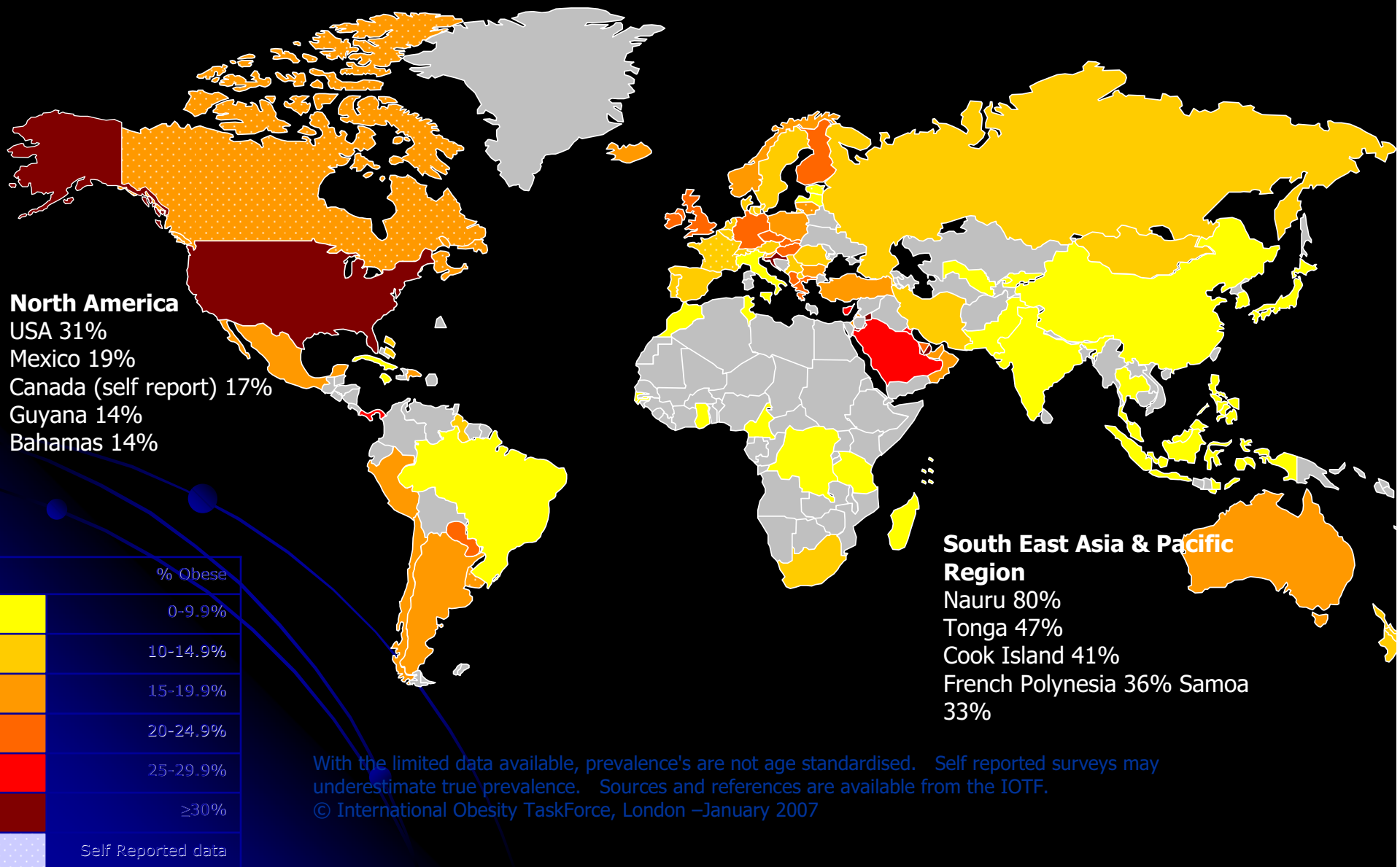
Eight to Ten Years Olds in Kuala Lumpur, Jakarta, Bogor, and Manila

- Less than 1 in 4 children participate in sports, outdoor games or physical exercises daily
- Common leisure activities are playing computer games, reading, and watching tv
- Children have physical education lessons at school only 1 or twice a week
- Girls less active than boys at all ages

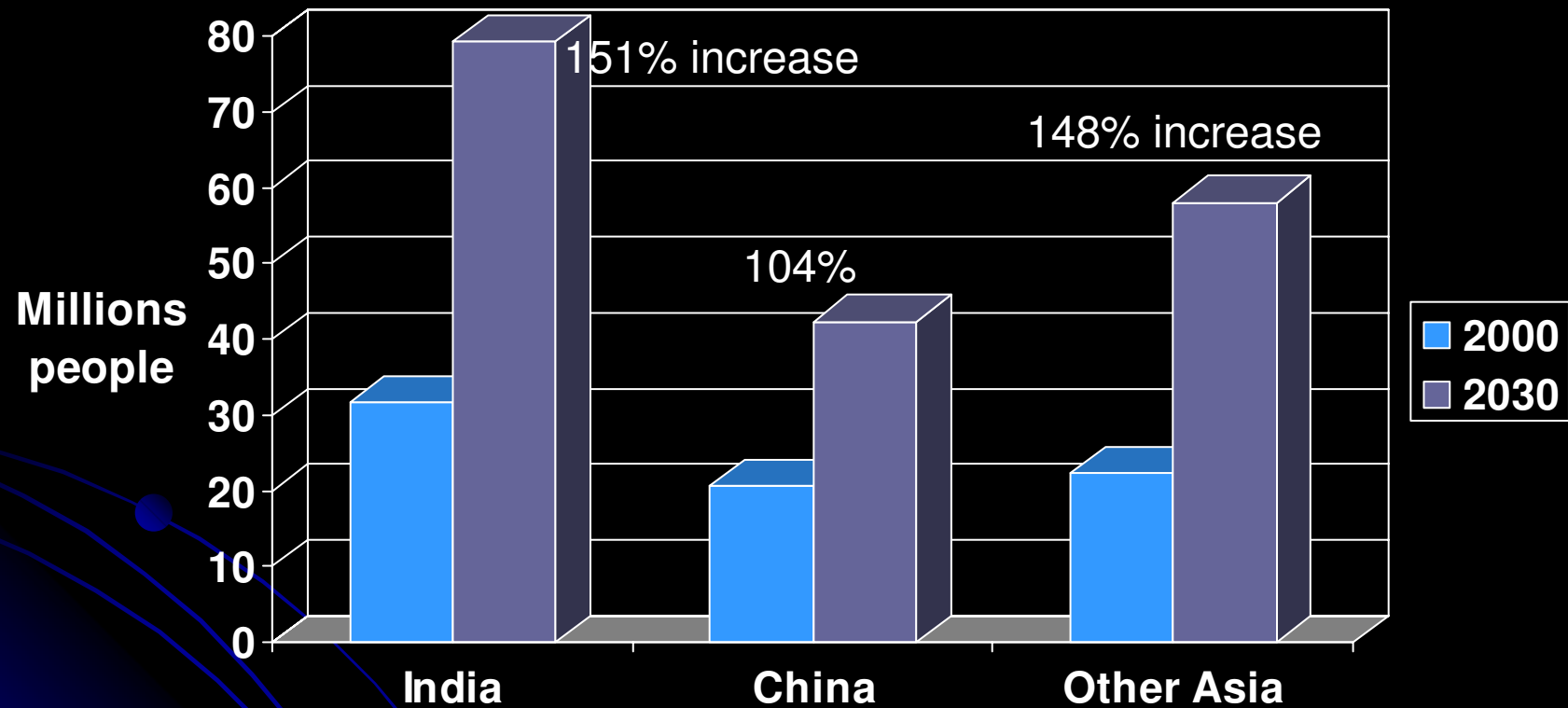
Source: Asian Food Information Centre, Singapore

Global Prevalence of Obesity in Adult Males

With examples of the top 5 Countries in each Region

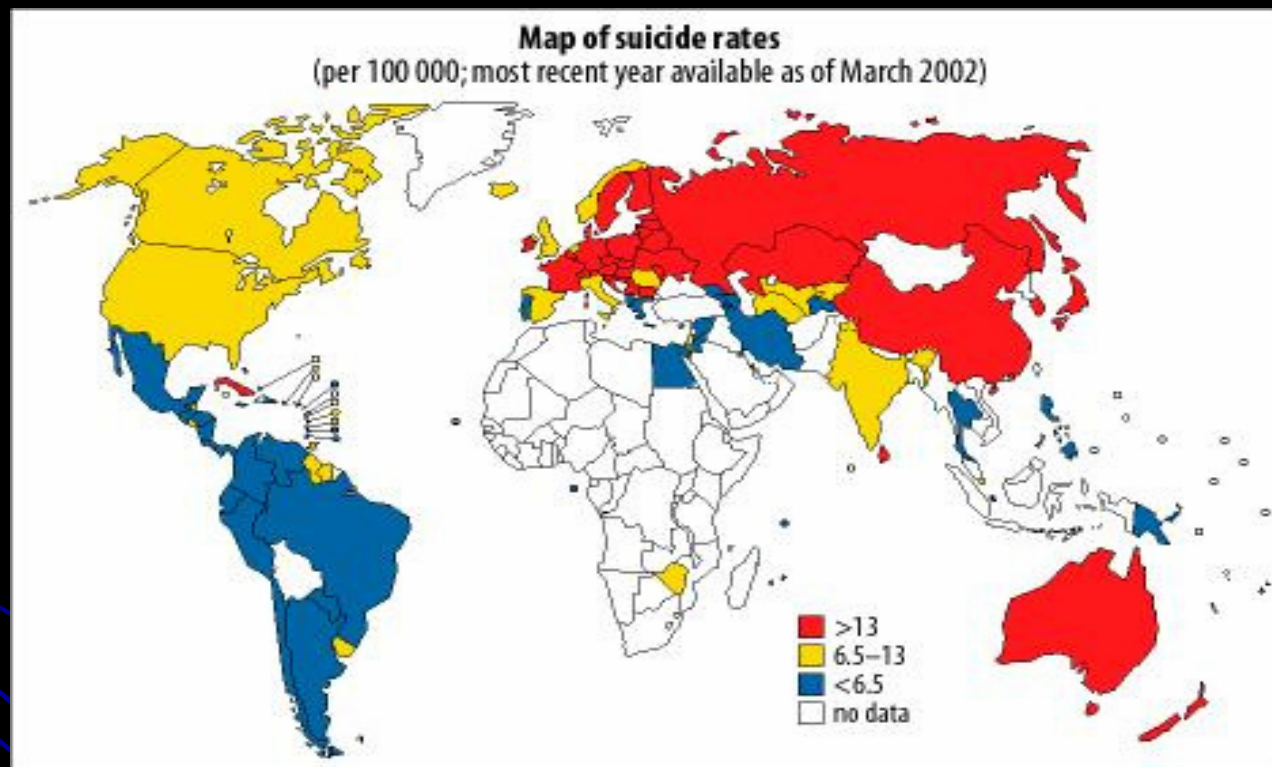


Prevalence of Diabetes: 2000-2030



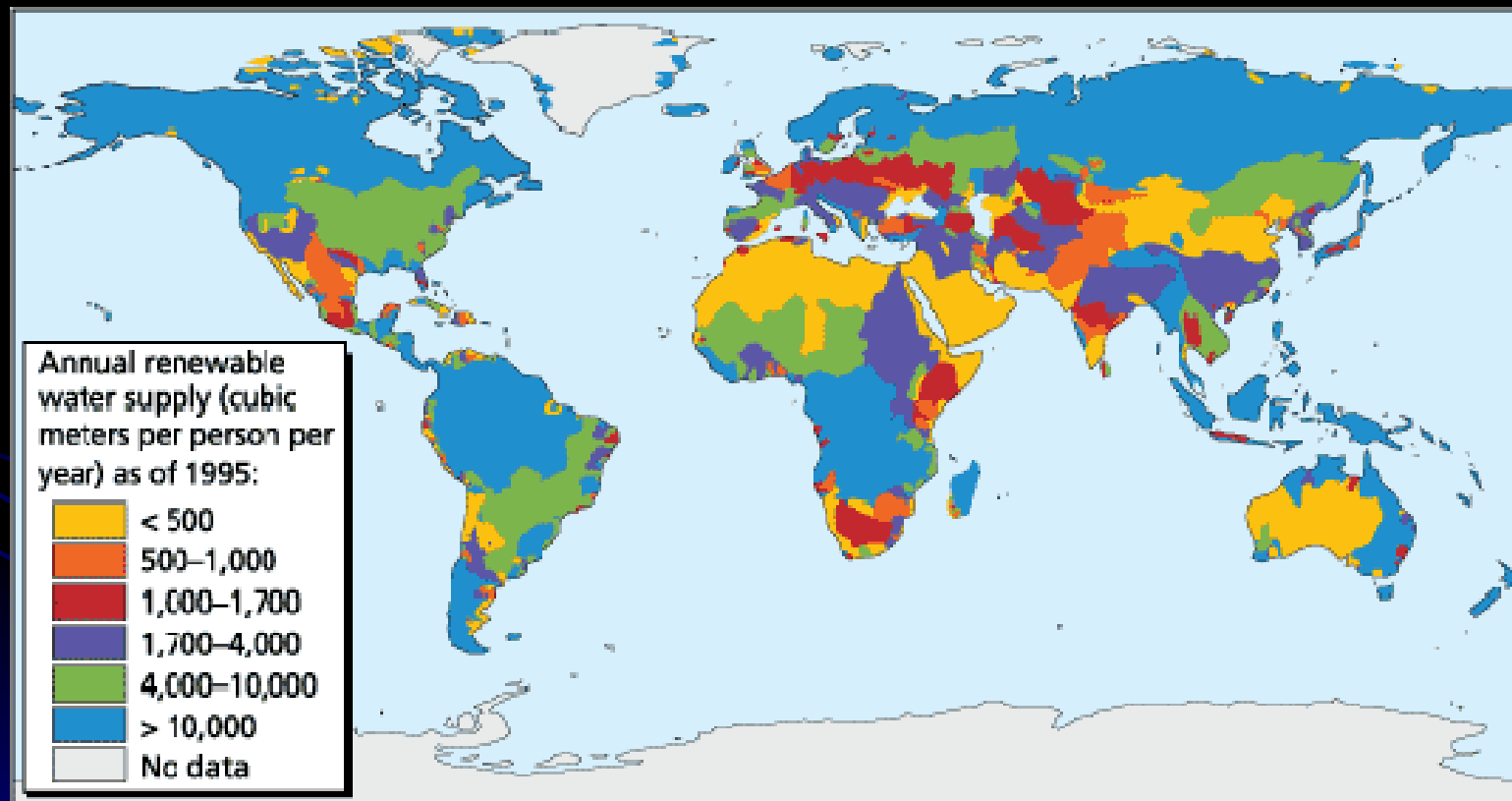
Source: Wild, S, Roglic G., Green, A., Sicree, R, and King, H. "Global Prevalence of Diabetes: Estimates for the Year 2000 and Projects for 2030, Diabetes Care, Vol. 27, Number 5, May 2004. Average global increase 114%.

Global Suicide Rates



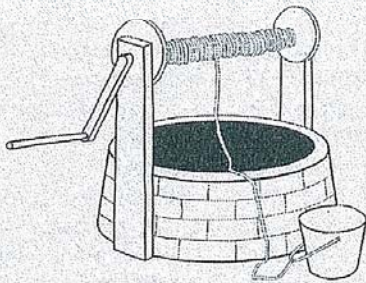
World Health Organization

Annual Renewable Water Supply

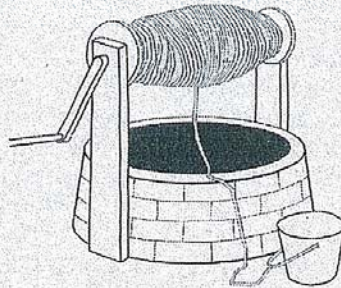


Source: Liquid Assets, 2005, cited in RAND, “One World, One Well”

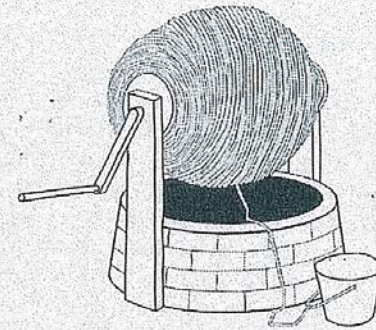
Water Problem: A Chinese Perspective



Grandpa's well



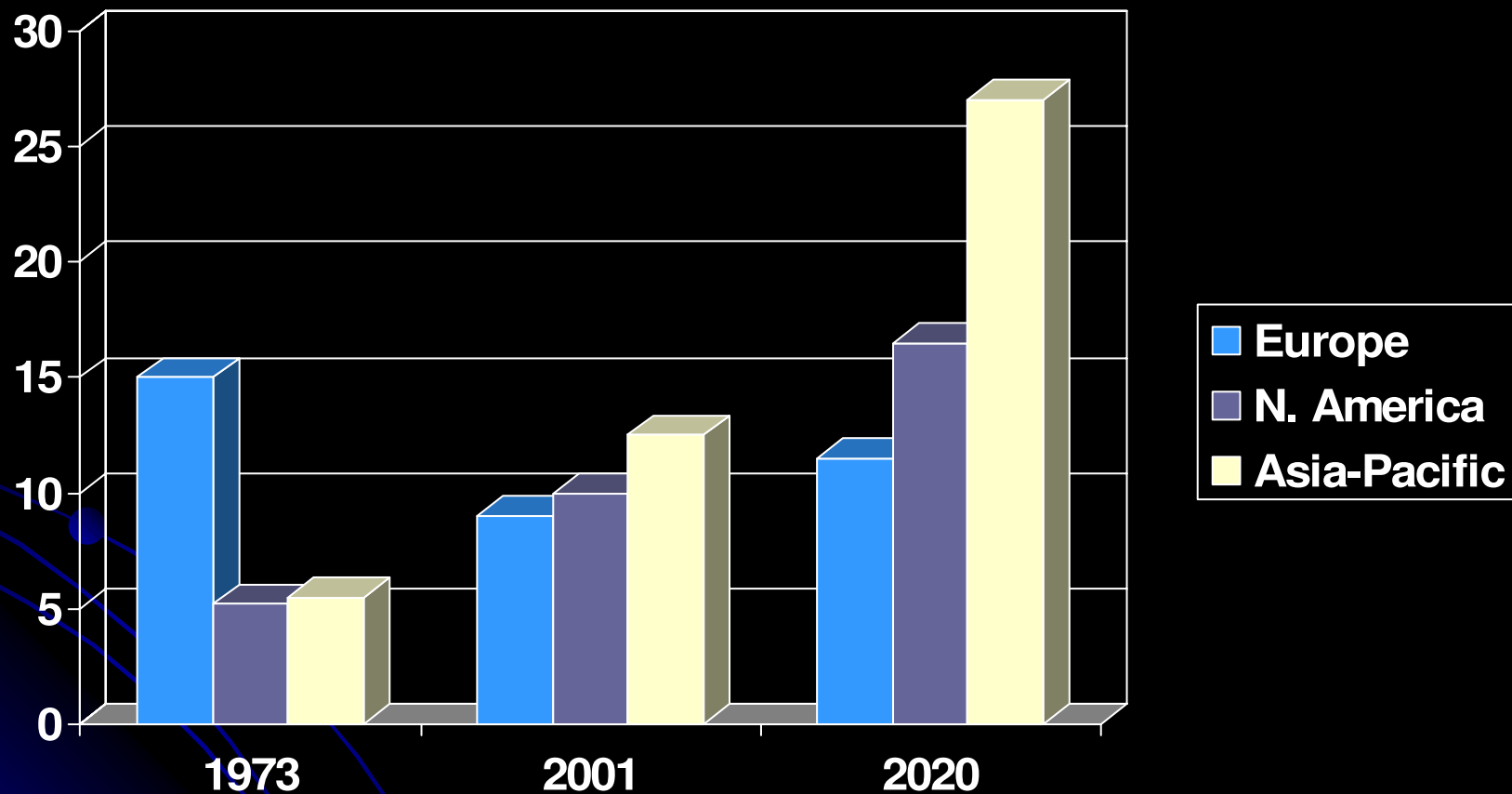
Father's well



Grandson's well

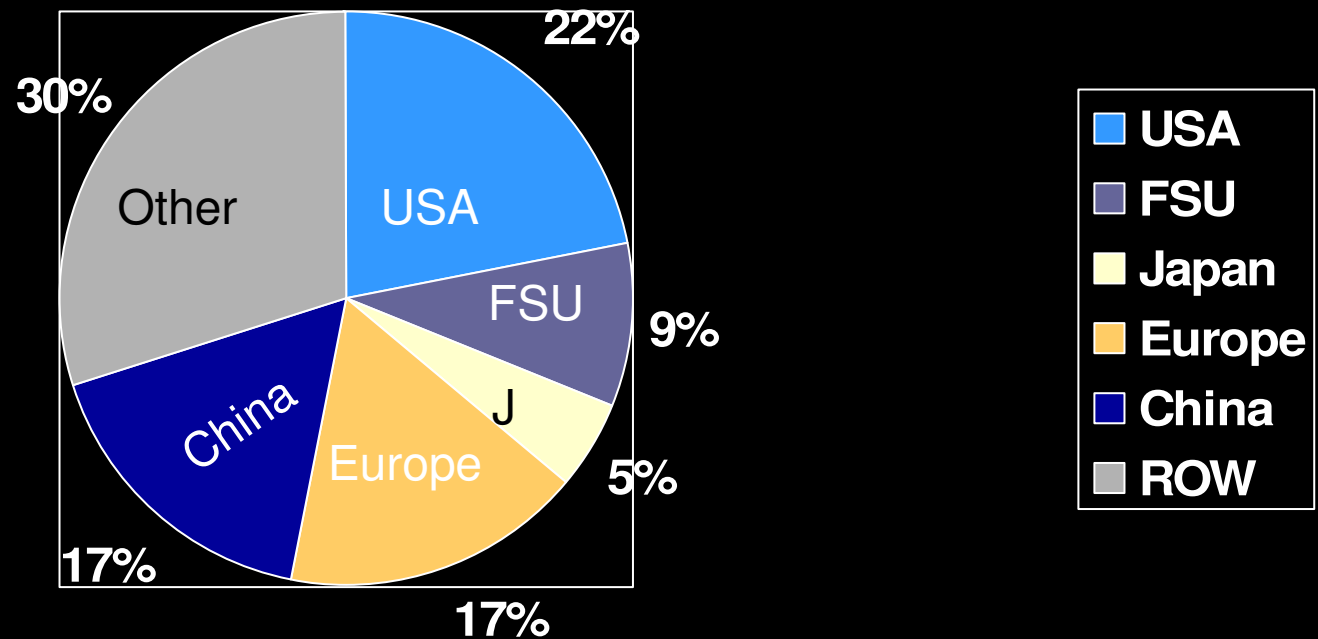
China Daily cartoon, 14 November 2006

Regional Petroleum Deficits Millions of Barrels per day



Adapted from Congressional Research Service

Carbon Dioxide Emissions from Energy Activities - 2004

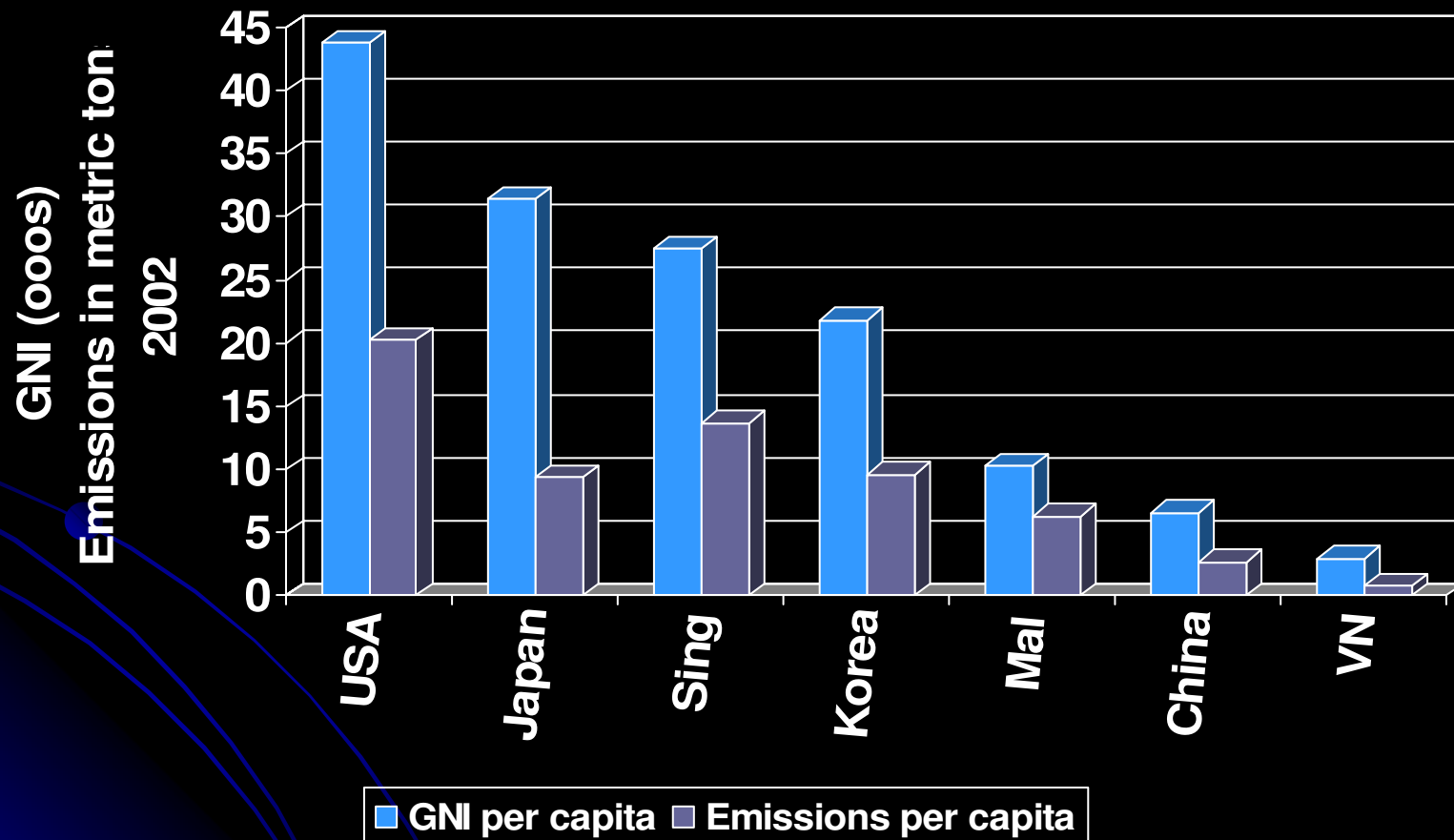


IEA International Energy Annual

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Carbon Dioxide Emissions

Per Capita



World Bank

Asian Air Pollution Success Stories

- Tokyo: has lower air pollution problems than American or European cities.
Efficient transportation
- Bangkok: has reduced air pollution significantly by eliminating 2 stroke motorcycles
- Singapore: Strict controls, especially on automobiles