

# ADB's ASIA 2050: REALIZING THE ASIAN CENTURY

---

*This study is aimed at senior policy makers, top business leaders and key opinion makers within Asia to help forge a consensus on a vision of and strategy for Asia's potentially historic rise among the global community of nations between now and 2050.*

**Source:** <https://www.adb.org/publications/asia-2050-realizing-asian-century>

EE 460: Thai Economy

Semester 1 / 2018

Faculty of Economics, Thammasat University



# ADB's Asia 2050: Realizing the Asian Century



Asia is in the midst of a truly historic transformation. If it continues to grow on its recent trajectory, it could, by 2050, account for more than **half of global GDP**, trade and investment, and enjoy widespread affluence. Its per **capita income could rise sixfolds**. It thus holds the promise of making **some 4 billion Asians**, hither to commonly **associated with poverty and deprivation**, affluent by today's standards.

By nearly doubling its share of global GDP (from 27 percent in 2010 to 51 percent by 2050, Asia **would regain the dominant global economic position it held some 250 years ago**, before the Industrial Revolution. Some have called this possibility **the "Asian Century"**.

**Ultimate goals**

**Equity Growth**

**Stable Growth**

**Green Growth**



**Policy scheme**

**Energy**

- Tech transfer (renewable energy, CO2 capture, transportation)
- Joint petroleum stockpile
- Integration of gas and electricity network
- Energy market integration

**Urbanization**

- Effective decentralization
- New approaches to finance infrastructure
- Competent city management

**Climate Change**

- Acquiring green tech.
- Asian countries' urgent joint policies on green growth

**Entrepreneurship & Innovation**

- Prioritizing policy -> supporting catch-up entrepreneurs first then creating the eco-system for the frontier ones
- Investments in human capital development

**Demographical Change**

- Investments to achieve higher factor productivity
- Provide economic and social institutions that achieve income security, adequate health care

**Institutional Constraints**

- Corruption & the foundations of rule-of-law institutions.
- Accountability mechanisms of policy making
- Designing policies is only half the game, enforcing the rules is what matters

**Financial Transformation**

- Establishing Asian Financial Stability Dialogue
- Setting up Asian Monetary Fund (AMF) and Asian Infrastructure Fund
- Broadening Asia Bond Market Initiative
- Setting a cooperative framework to deal with capital flow and regional

**Regional Integration**

- Providing adequate funding mechanisms for regional investments
- setting up and sustaining sub-regional institutions
- Supporting engagement of the business community and civil society



**Common challenges & constraints**

**Energy**

**Urbanization**

**Climate Change**

**Entrepreneurship & Innovation**

**Demographical Change**

**Institutional Constraints**

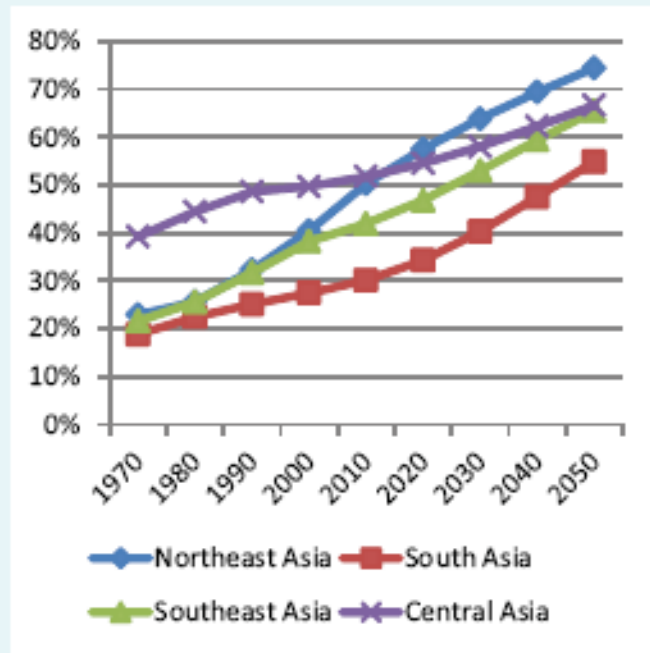
## (1) Urbanization

**Table 1 | Asia's urban population will nearly double by 2050**

| Asian Urbanization                       | 2010         | 2050         |
|--|--------------|--------------|
| <b>Total Urban Population (millions)</b> | <b>1,649</b> | <b>3,247</b> |
| Northeast Asia                           | 805          | 1,284        |
| South Asia                               | 496          | 1,261        |
| Southeast Asia                           | 252          | 520          |
| Central Asia                             | 96           | 182          |
| <b>Urbanization (%)</b>                  | <b>41%</b>   | <b>64%</b>   |
| Northeast Asia                           | 50%          | 74%          |
| South Asia                               | 30%          | 55%          |
| Southeast Asia                           | 42%          | 65%          |
| Central Asia                             | 52%          | 67%          |

Source: UN World Urbanization Prospects, 2007 Revision.

**Figure 1 | Northeast Asia will be the most urbanized region of Asia**

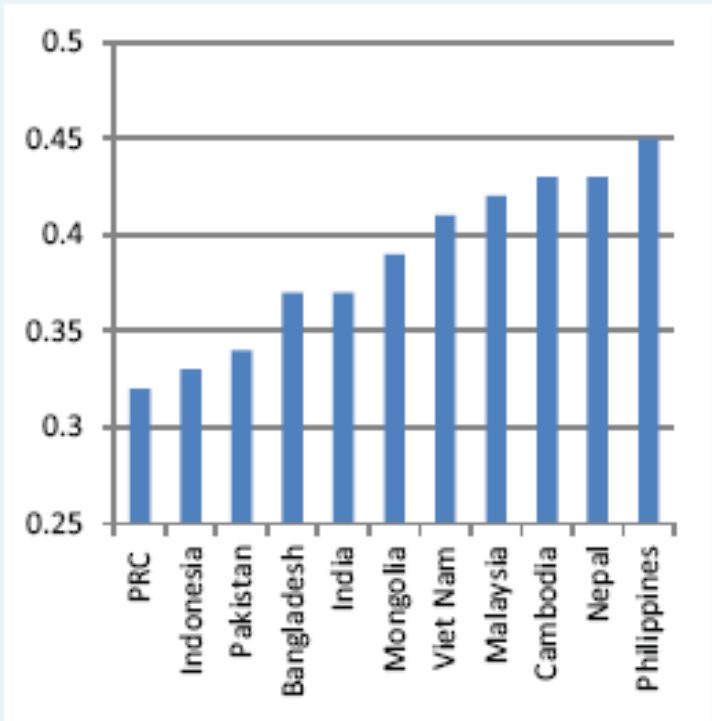


Source: UN World Urbanization Prospects, 2007 Revision.

# Common Challenges & Constraints

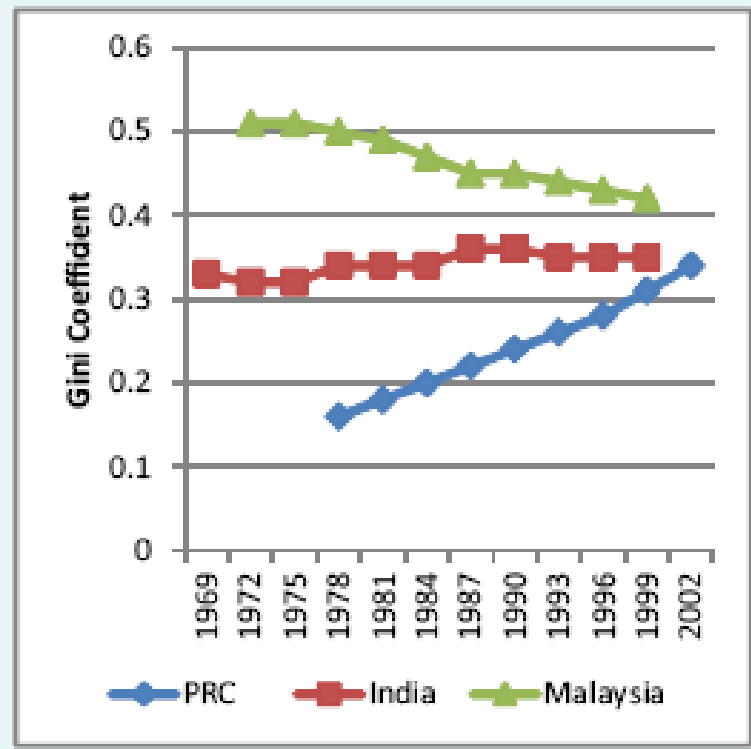
## (1) Urbanization

Figure 2 | Urban Gini coefficient (by country)



Source: UN-HABITAT State of World Cities 2010/2011.

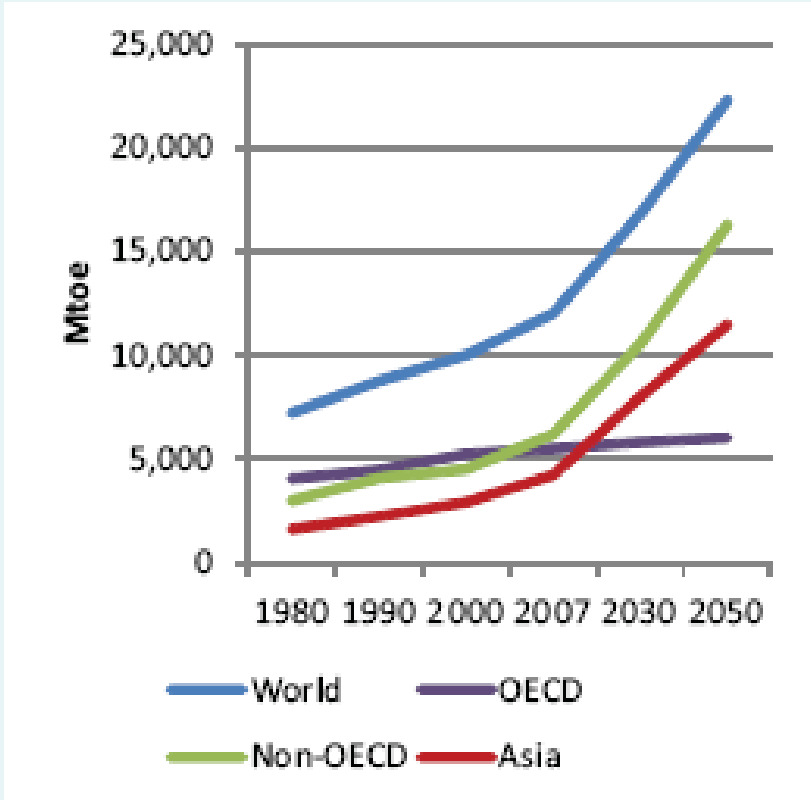
Figure 3 | Urban Gini coefficients over time



Source: UN-HABITAT State of World Cities 2010/2011.

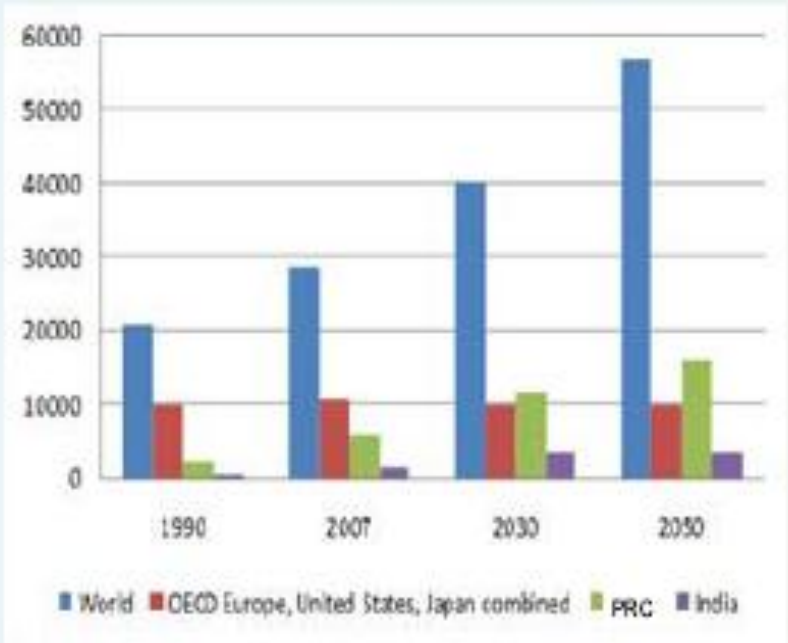
## (2) Food – Fuel

**Figure 1 | Asia will lead world energy demand**



Source: Author's calculations, 2011.

**Figure 2 | PRC and India will experience a significant increase in energy-related carbon emissions**



Source: Author's calculations, 2011.

|  | 1980  | 1990  | 2000   | 2007   | 2030   | 2050   |
|--|-------|-------|--------|--------|--------|--------|
| <b>Asia Energy Demand (Mtoe)</b>           | 1,625 | 2,220 | 2,910  | 4,242  | 7,980  | 11,480 |
| PRC  | 603   | 872   | 1,105  | 1,970  | 3,637  | 5,011  |
| India                                      | 207   | 318   | 457    | 622    | 1,341  | 2,389  |
| ASEAN                                      | 149   | 243   | 389    | 513    | 903    | 1,177  |
| Central Asia                               | 95    | 198   | 128    | 159    | 256    | 385    |
| Iran                                       |       | 46    | 120    | 185    | 373    | 565    |
| High Income Asia                           | 557   | 629   | 746    | 896    | 995    | 1,112  |
| <b>Asia Energy Supply Mix (%)</b>          |       |       |        |        |        |        |
| Coal                                       |       | 40    | 42     | 47     | 48     | 50     |
| Oil  |       | 16    | 17     | 20     | 21     | 20     |
| Gas  |       | 9     | 10     | 11     | 12     | 11     |
| Hydro                                      |       | 3     | 2      | 2      | 2      | 1      |
| Biomass                                    |       | 26    | 24     | 15     | 10     | 7      |
| Other (including nuclear)                  |       | 6     | 5      | 5      | 7      | 11     |
| <b>Asia electricity consumption (TWh)</b>  |       | 2,249 | 3,057  | 6,113  | 17,267 | 26,181 |
| PRC  | 259   | 586   | 1,081  | 2,717  | 7,513  | 10,630 |
| India                                      | 90    | 197   | 369    | 544    | 1,966  | 3,440  |
| ASEAN                                      | 55    | 167   | 321    | 497    | 1,383  | 1,956  |
| Central Asia                               | 63    | 162   | 124    | 152    | 443    | 715    |
| Iran                                       | 38    | 58    | 86     | 145    | 332    | 544    |
| High Income Asia                           | 831   | 976   | 1,012  | 1,128  | 1,411  | 1,746  |
| <b>Reference Energy Consumption (Mtoe)</b> |       |       |        |        |        |        |
| World                                      | 7,228 | 8,761 | 10,018 | 12,013 | 16,790 | 22,288 |
| OECD                                       | 4,050 | 4,476 | 5,249  | 5,496  | 5,811  | 6,011  |
| US   | 1,802 | 1,913 | 2,280  | 2,337  | 2,396  | 2,412  |
| Non-OECD                                   | 3,003 | 4,087 | 4,507  | 6,187  | 10,529 | 16,277 |

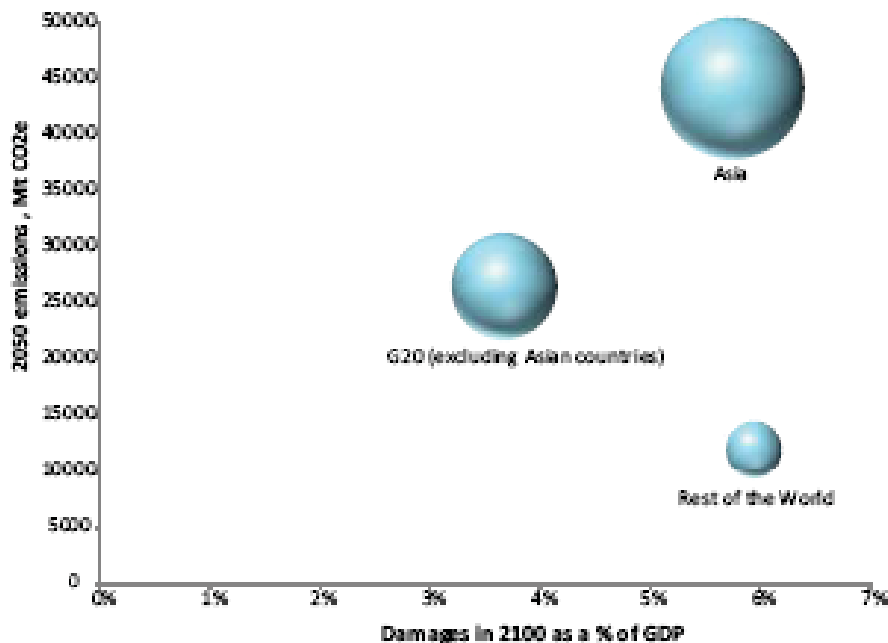
Source: EIA (2010), IEA (2008), IEA (2009), IEA (2010a), IEA (2010b), World Bank (2010) and Author's estimates, 2011.

**Table 1 | Asian cities feature prominently in the list of cities most exposed to half metre sea-level rises**

| City              | Exposed Population (2070) (000s) | City              | Exposed assets (2070) (\$bn, 2001) |
|-------------------|----------------------------------|-------------------|------------------------------------|
| Kolkata           | 14,014                           | Miami             | 3,513                              |
| Mumbai            | 11,418                           | Guangzhou         | 3,357                              |
| Dhaka             | 11,135                           | New York-Newark   | 2,147                              |
| Guangzhou         | 10,333                           | Kolkata           | 1,961                              |
| Ho Chi Minh City  | 9,216                            | Shanghai          | 1,771                              |
| Shanghai          | 5,451                            | Mumbai            | 1,698                              |
| Bangkok           | 5,138                            | Tianjin           | 1,231                              |
| Rangoon           | 4,965                            | Tokyo             | 1,207                              |
| Miami, USA        | 4,795                            | Hong Kong, China  | 1,163                              |
| Hai Phong         | 4,711                            | Bangkok           | 1,117                              |
| Alexandria, Egypt | 4,375                            | Ningbo            | 1,073                              |
| Tianjin           | 3,790                            | New Orleans       | 1,013                              |
| Khulna            | 3,641                            | Osaka-Kobe        | 968                                |
| Ningbo            | 3,305                            | Amsterdam         | 843                                |
| Lagos, Nigeria    | 3,229                            | Rotterdam         | 825                                |
| Abidjan           | 3,110                            | Ho Chi Minh City  | 652                                |
| New York-Newark   | 2,931                            | Nagoya            | 623                                |
| Chittagong        | 2,866                            | Qingdao           | 602                                |
| Tokyo             | 2,521                            | Virginia Beach    | 582                                |
| Jakarta           | 2,248                            | Alexandria, Egypt | 562                                |

Source: Nicholls, R.J., Hanson, S., Herweijer, C., Patmore, N., Hallegatte, S., Jan Corfee-Morlot, Jean Chateau and Muir-Wood, R. 'Ranking of the World's Cities most Exposed to Coastal Flooding Now and in the Future, OECD Environment Working Paper No. 1, 2007.

Figure 1 | Asia has both the ability and incentives to address climate change



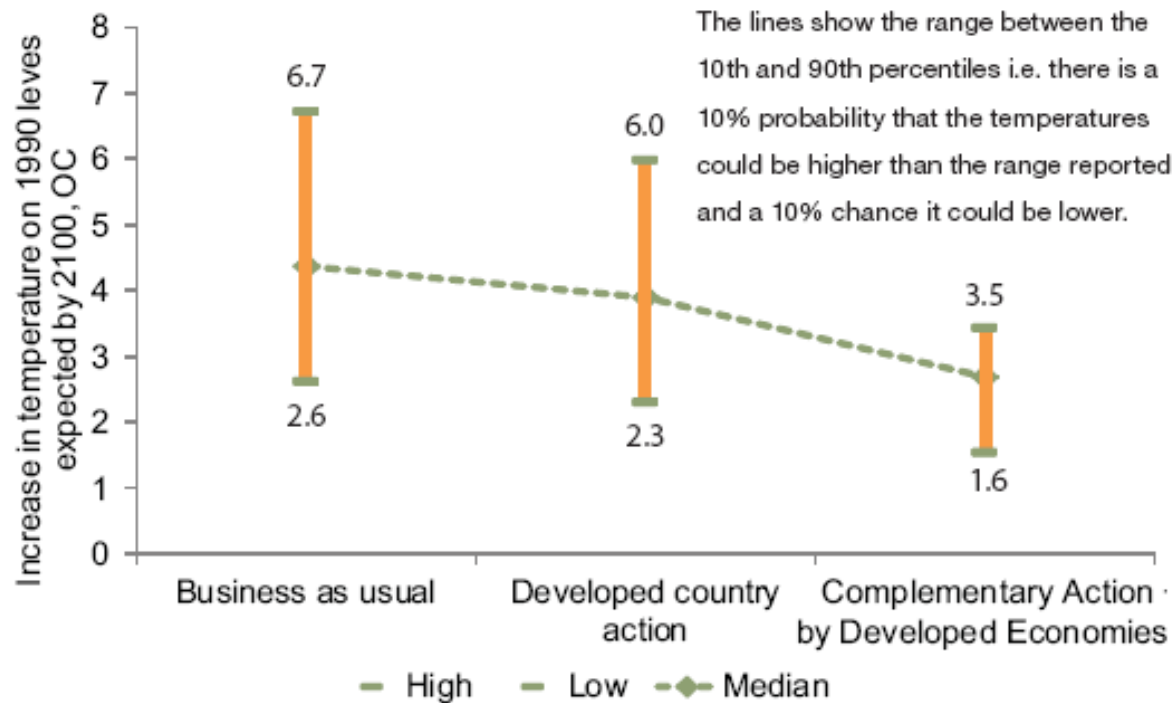
Note: Sphere size proportional to current population.

Source: EMF Study by Vivid Economics based on RICE, 2010.

Agriculture is one of the most sensitive economic sectors affected by climate change, and is an important sector in most Asian countries.

Only when the large Asian economies act together with the Annex1 (developed) countries (plus Brazil and Mexico) do they have the ability to have a meaningful impact on the outcome of the global climate.

Figure 4 | **Asia should move decisively on the global commons because that is in its self-interest**



Source: Vivid Economics and MAGICC, 2010.

**(1) Waiting to take action will only increase the costs**

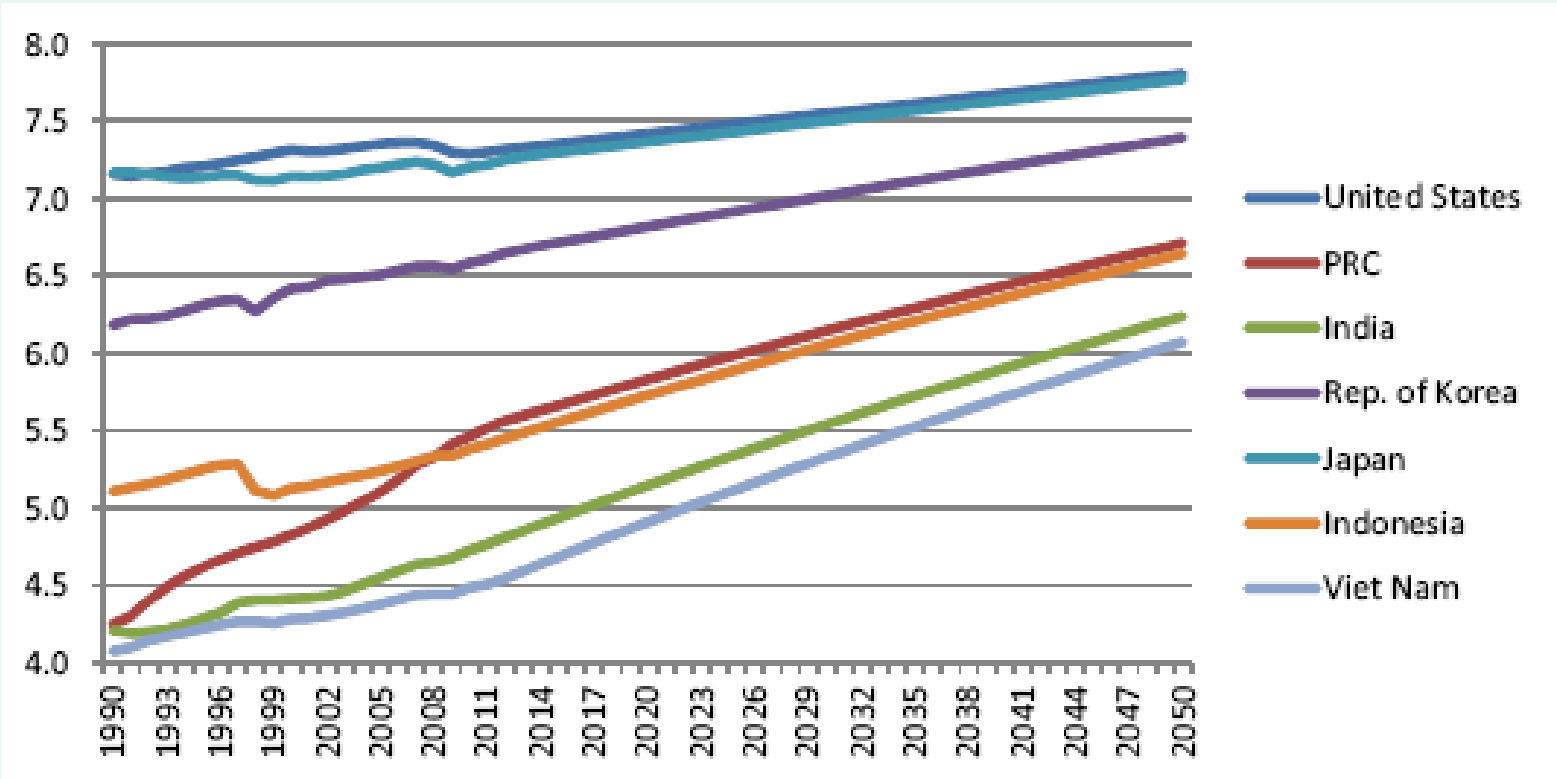
- If Developing Asian economies start **taking action in 2012** to bring emissions back to 2005 levels by 2050, then they would have to achieve annual reductions in emissions of **0.4 percent per annum**.
- If they **wait until 2030** before taking action, with the intention of reaching the same target by 2070, then average reductions of **1.5 percent per annum** might be required. It is clear that it is in the self-interest of Asia to act decisively to mitigate climate change, and to do so urgently.

**(2) Therefore, it is in the self-interest of Asia to act decisively to mitigate climate change, and to do so urgently**

## Catch-up entrepreneurship vs. frontier entrepreneurship

- **Catch-up entrepreneurship** engages in *replicative activities*—activities invented by others and replicated at competitive costs. Its *main economic contribution is job creation*.
- **Frontier entrepreneurship** is innovative and inventive, and creates breakthroughs in science and technology. Frontier entrepreneurship is an important mechanism to *convert knowledge production into improvements for human welfare*.

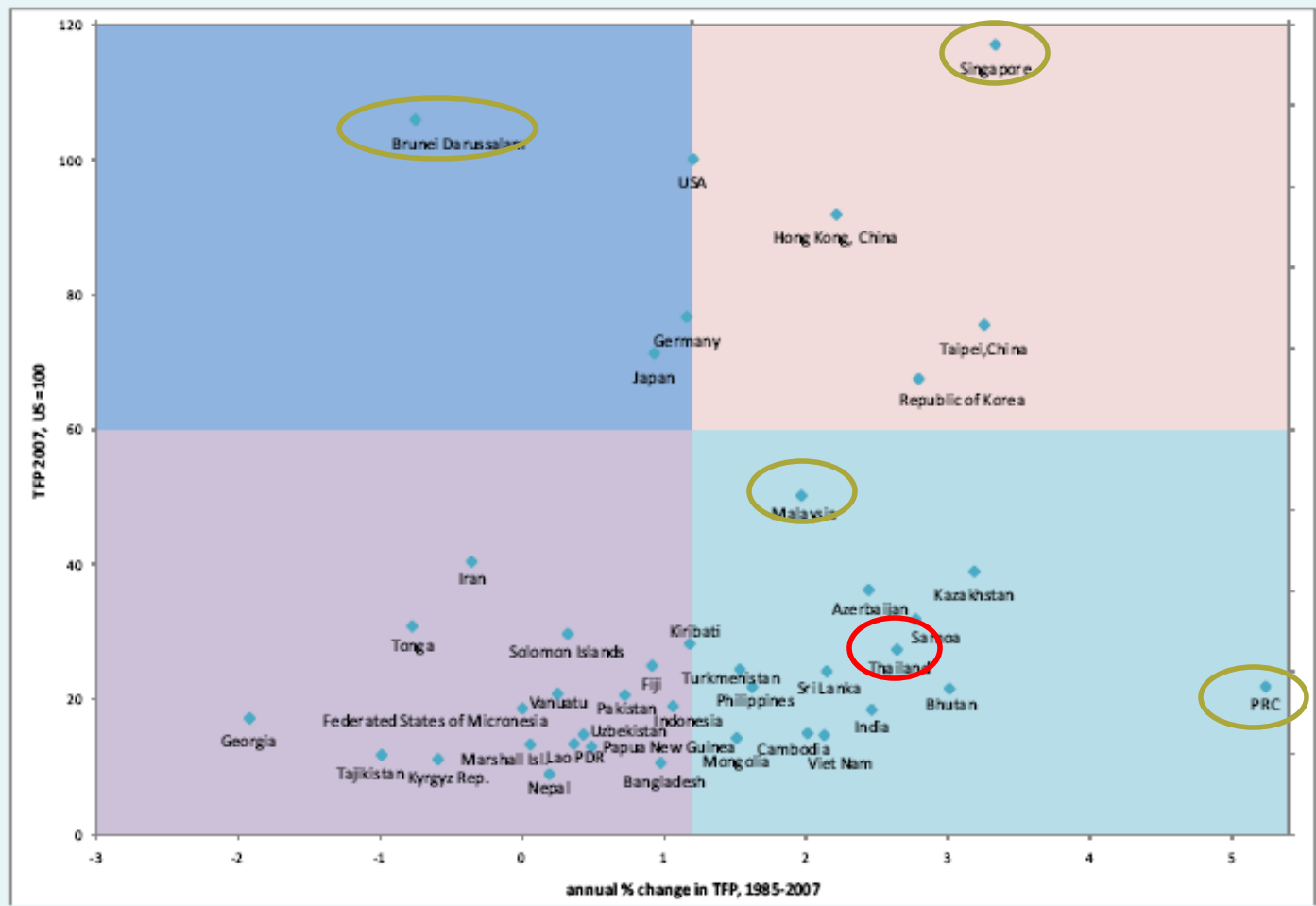
Figure 1 Asian total factor productivity (1990-2050) is converging with best practice



Source: Centennial Group projections, 2011.

## (4) Entrepreneurship & Innovation

Figure 1 Total factor productivity: levels and growth rate, 1985-2007



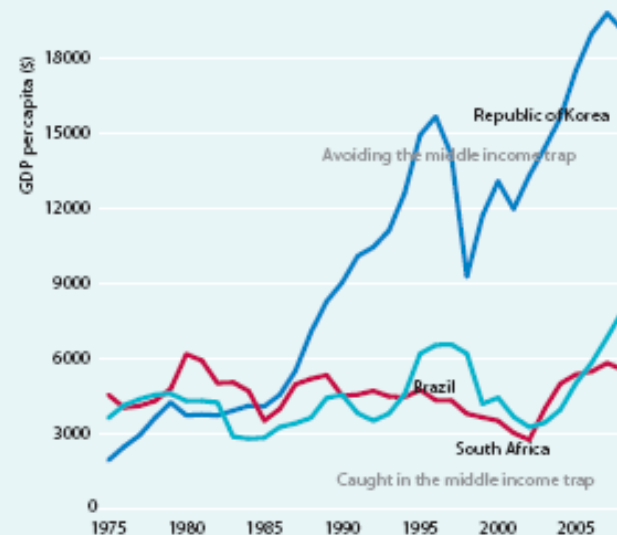
Source: Centennial calculations, 2011.

The country cannot escape from the middle-income trap without innovation.

### Box 2 | The Middle Income Trap: unable to compete

The Middle Income Trap refers to countries stagnating and not growing to advanced country levels. This is illustrated in the figure, which plots the per capita incomes of three middle income countries between 1975 and 2005. In a steadily growing economy, the per capita GDP would rise continuously over time, towards higher incomes. That is the experience of Republic of Korea. But many middle income countries do not follow this pattern. Instead, they have short periods of growth followed by periods of stagnation or even decline, or are stuck at low growth rates.

They are caught in the Middle Income Trap—unable to compete with low income, low wage economies in manufacturing exports and unable to compete with advanced economies in high skill innovations. Put another way, such countries cannot make a timely transition from resource-driven growth, with low cost labor and capital, to productivity-driven growth.



Source: IMF World Economic Outlook, October 2010.

- Policy priority is **not high-tech development** but to **get the economic and business environment fundamentals right**.
- The **mistake** that policy makers in **Asia must avoid** is to create a policy and regulatory environment **to favor frontier entrepreneurship at the expense of catch-up entrepreneurship**.

**Table 1 | Analytic framework for governance and institutions**

| The Issue                                      | Actors and instruments  | Good principles   | Bad principles  |
|--|---|---|---|
| Who leads the Public sector?                   | Government through economic and social policies   | <ul style="list-style-type: none"> <li>• Growth-oriented</li> <li>• Inclusive</li> <li>• Sustainable development-oriented</li> <li>• Accountable</li> </ul> | <ul style="list-style-type: none"> <li>• Lack of clarity of direction</li> <li>• Exclusive</li> <li>• Rent-seeking oriented</li> <li>• Not accountable</li> </ul> |
| How are policies applied?                      | Through a clear legal, institutional and regulatory framework and related agencies  | <ul style="list-style-type: none"> <li>• Rule-based</li> <li>• Equitable (law applies equally to everybody)</li> <li>• Accountable</li> </ul>               | <ul style="list-style-type: none"> <li>• Ad-hoc</li> <li>• Selective, captured</li> <li>• Not accountable</li> </ul>  |
| How are policies implemented?                  | Through/by the civil service and other service providers  | <ul style="list-style-type: none"> <li>• Competent</li> <li>• Merit-based, Competitive</li> <li>• Efficient</li> <li>• Accountable</li> </ul>               | <ul style="list-style-type: none"> <li>• Incompetent</li> <li>• Nepotism-based and/or captured</li> <li>• Inefficient</li> <li>• Not accountable</li> </ul>       |
| How are resources allocated?                   | Through the budget process  | <ul style="list-style-type: none"> <li>• Transparent</li> <li>• Competitive</li> <li>• Accountable</li> </ul>   | <ul style="list-style-type: none"> <li>• Non-transparent</li> <li>• Arbitrary and/or interest-group oriented</li> <li>• Captured</li> </ul>                       |
| How are public oversight functions carried out | Through multiple actors: <ul style="list-style-type: none"> <li>• Parliament</li> <li>• Media</li> <li>• Civil society</li> <li>• NGOs</li> </ul> | <ul style="list-style-type: none"> <li>• Accountable</li> <li>• Demand for public accountability</li> <li>• Access to information</li> </ul>                | <ul style="list-style-type: none"> <li>• Non-effective</li> <li>• Laden with conflict of interest</li> <li>• Captured</li> </ul>                                  |
| Are there redress mechanisms?                  | Through sundry appeals and conflict resolution systems (e.g. ombudsmen)   | <ul style="list-style-type: none"> <li>• Yes</li> </ul>   | <ul style="list-style-type: none"> <li>• No</li> </ul>  |

# Common Challenges & Constraints

## (4) Entrepreneurship & Innovation

Although a daunting challenge, the eradication of corruption is critical for all countries in order to ensure necessary social and political stability and retain the legitimacy of governments.

Figures 5 & 6

**Governance indicators by subregion (weighted by GDP)**

**Governance Indicators by Subregion (weighted by GDP)**



**Control of Corruption (weighted by GDP)**



Source: World Bank Worldwide Governance Indicators, 2010.

Table 4 | Pressures for governance and institutional transformation—domestic

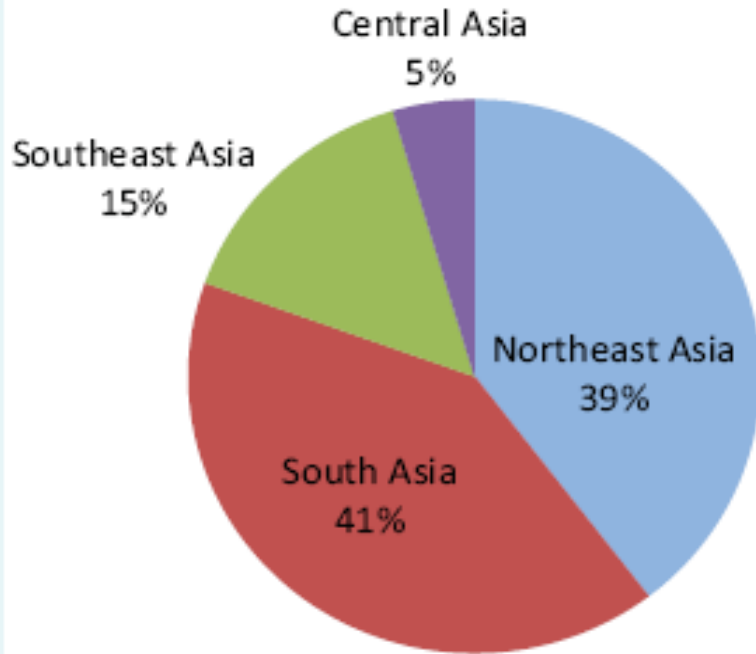
|                        | Developments   | Priorities   | Risks  |
|------------------------|--|--|--|
| Demographics           | Northeast Asia is ageing, South and Southeast Asia are young           | <ul style="list-style-type: none"> <li>Ageing countries should adjust institutions</li> <li>Young countries should improve public services</li> </ul>                    | <ul style="list-style-type: none"> <li>No precedent in Asia for adjusting institutions in response to ageing</li> <li>Poor delivery of public services can lead to unrest</li> </ul>   |
| Urbanization           | Urban population growth will be significant through 2050               | <ul style="list-style-type: none"> <li>Governance and institutional reforms should account for the urban population growth</li> <li>Decentralization policies</li> </ul> | <ul style="list-style-type: none"> <li>Urban growth could lead to tensions between national and local governments</li> <li>Urban-rural income gaps will likely grow further</li> </ul> |
| Expanding Middle Class | Expanding middle class will lead to demands for higher quality of life | <ul style="list-style-type: none"> <li>Government must keep up with growing expectations and demands for governance and institutional reforms</li> </ul>                 | <ul style="list-style-type: none"> <li>Could lead to demands for more voice</li> <li>The distance between state and citizen will be affected</li> </ul>                                |

- **Corruption** cannot be left unchecked; else, eventually it will suffocate **the foundations of rule-of-law institutions**.
- Focus on building **strong transparent institutions**—they are what matters.
- Designing policies is only half the game, enforcing the rules, i.e. **implementation is what matters**.
- Devise **participatory approaches to policy making** and build accountability mechanisms.

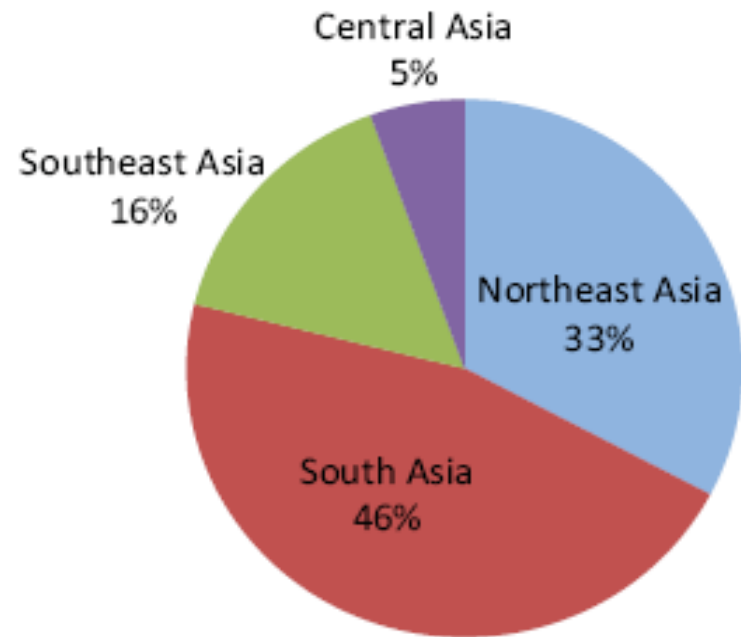
## (6) Demographical change

Figure A1 | Population changes in Asia's subregions, 2010 versus 2050

Asia Population 2010



Asia Population 2050



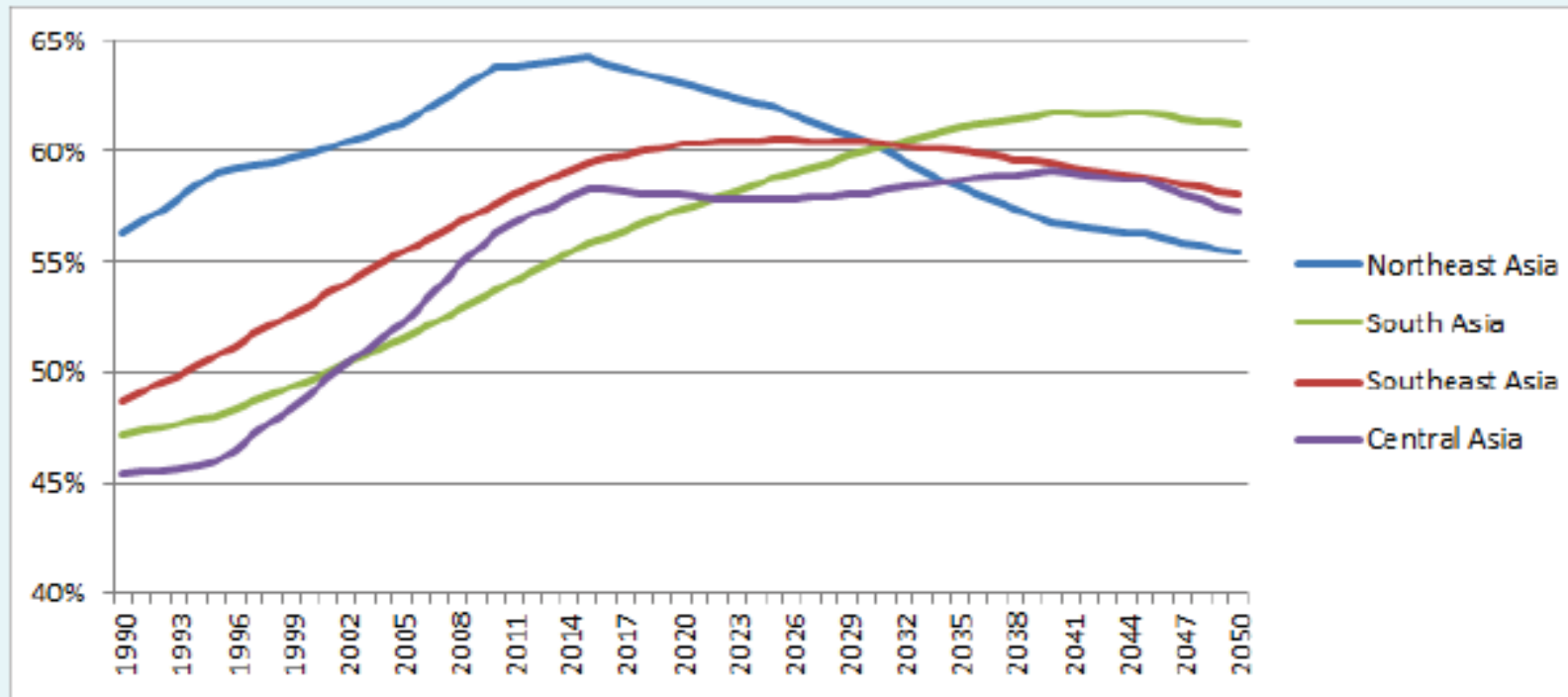
Source: United Nations Statistics Division, 2010.

## (6) Demographical change

By 2050, Japan's labor force could be smaller than today's by almost 30 million workers – a drop of one-third.

**Note:** Comparing across time and region, % of working-age population in Northeast Asia was all-time high during 1990 – 2010. Together with TFP, these factors drove the economies to reach their peaks during 1990s – 2000s

Figure 2 Working age population (20-64) will begin to decline in all Asian subregions (1990-2050)



## (6) Demographical change

Table A1 | Population changes in Asia, 2010-2050

| Population (millions) | 2010 | Projected 2050 | Change in Population (millions) | % Change |
|-----------------------|------|----------------|---------------------------------|----------|
| Asia                  | 3958 | 4888           | 930                             | 23.5     |
| Japan                 | 127  | 102            | -25                             | -20.0    |
| Republic of Korea     | 49   | 44             | -4                              | -9.1     |
| PRC                   | 1354 | 1417           | 63                              | 4.6      |
| Indonesia             | 233  | 288            | 56                              | 23.9     |
| Viet Nam              | 89   | 112            | 23                              | 25.4     |
| India                 | 1215 | 1614           | 399                             | 32.9     |
| Pakistan              | 185  | 335            | 150                             | 81.4     |
| Afghanistan           | 29   | 74             | 45                              | 155.1    |

Source: UN Statistics Division, 2010.

What is especially striking about this phenomenon is the relative speed of the process of ageing in Asia, and the fact that the ‘greying’ of Asia is occurring at all levels of the economic spectrum, i.e. even in low-income countries.

**Table A4 | Ageing versus economic growth in Asia, 2050**

|             | pc GDP (PPP)<br>2050 | % 65+<br>2050 |            | pc GDP (PPP)<br>2050 | % 65+<br>2050 |
|-------------|----------------------|---------------|------------|----------------------|---------------|
| Nepal       | 3,400                | 10.6%         | Iran       | 22,800               | 19.7%         |
| Afghanistan | 2,800                | 3.6%          | Cambodia   | 22,700               | 10.4%         |
| Bangladesh  | 14,200               | 14.9%         | Viet Nam   | 33,800               | 20.0%         |
| Myanmar     | 4,900                | 17.5%         | Armenia    | 35,900               | 21.5%         |
| Tajikistan  | 15,900               | 10.0%         | India      | 41,700               | 13.7%         |
| Lao PDR     | 7,800                | 9.5%          | Bhutan     | 48,600               | 15.0%         |
| Pakistan    | 7,900                | 10.0%         | Indonesia  | 37,400               | 18.6%         |
| Philippines | 22,900               | 12.7%         | PRC        | 47,800               | 23.3%         |
| Sri Lanka   | 34,700               | 21.4%         | Azerbaijan | 60,300               | 17.9%         |
| Mongolia    | 26,900               | 16.8%         | Kazakhstan | 64,700               | 15.6%         |

Source: Centennial Group International Growth Model, 2011.

Source: ADB (2011)

| Inflection years                | Total population | Working Age Population          |
|---------------------------------|------------------|---------------------------------|
| <b>Speed 1: Old Asia</b>        |                  | <b>Speed 1: Old Asia</b>        |
| Japan                           | 2005             | Japan                           |
| Republic of Korea               | 2024             | Republic of Korea               |
| PRC                             | 2032             | PRC                             |
| <b>Speed 2: Young Asia</b>      |                  | <b>Speed 2: Young Asia</b>      |
| Thailand                        | 2039             | Indonesia                       |
| Indonesia                       | Post 2050        | Thailand                        |
| Viet Nam                        | Post 2050        | India                           |
| Bangladesh                      | Post 2050        | Viet Nam                        |
| India                           | Post 2050        | Bangladesh                      |
| <b>Speed 3: Very Young Asia</b> |                  | <b>Speed 3: Very Young Asia</b> |
| Pakistan                        | Post 2050        | Pakistan                        |
| Afghanistan                     | Post 2050        | Afghanistan                     |

## (6) Demographical change

Besides the unfavorable fact about the shirking labor force, the number of middle class will increase, enlarging the total consumption expenditure.

**Table 2 | The Asian middle class will grow sharply over the next 40 years**

|                   | 2030                    |                        |                      | 2050                    |                        |                      |
|-------------------|-------------------------|------------------------|----------------------|-------------------------|------------------------|----------------------|
|                   | Middle Class Population | Upper Class Population | GDP per capita (PPP) | Middle Class Population | Upper Class Population | GDP per capita (PPP) |
| PRC               | 1,120                   | 40                     | 21,100               | 1,240                   | 190                    | 47,800               |
| India             | 1,190                   | 15                     | 13,200               | 1,400                   | 210                    | 41,700               |
| Indonesia         | 220                     | 5                      | 13,500               | 250                     | 40                     | 37,400               |
| Japan             | 100                     | 20                     | 48,900               | 60                      | 40                     | 66,700               |
| Republic of Korea | 30                      | 20                     | 60,200               | 10                      | 35                     | 107,600              |
| Viet Nam          | 80                      | 2                      | 11,900               | 100                     | 15                     | 33,800               |
| World             | 4,990                   | 580                    | 19,400               | 5,900                   | 1,500                  | 36,600               |
| US                | 185                     | 190                    | 65,500               | 120                     | 290                    | 98,600               |
| Germany           | 50                      | 30                     | 51,300               | 25                      | 50                     | 77,800               |

Source: Centennial Group projections, 2011.

## **(6) Demographical change**

**The valid concern is that a rapidly ageing population is antithetical to achieving high-income status. The fear that a country might become too old before it becomes rich enough has two elements:**

(i) with high old age-dependency ratios, investments to achieve higher factor productivity are difficult to realize

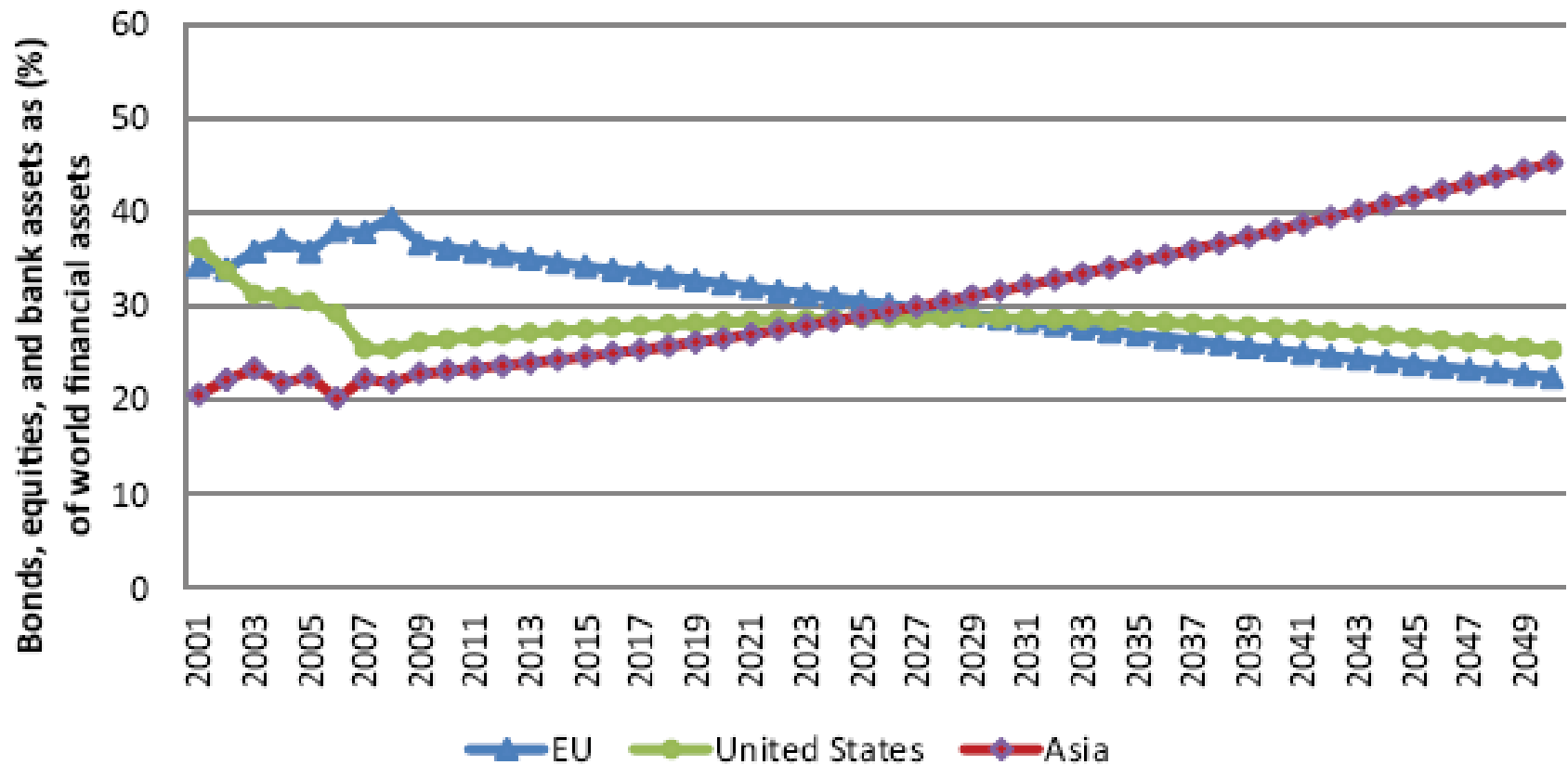
(ii) meeting the needs of an elderly population will entail costly economic and social institutions that are needed to achieve income security, adequate health care, and other needs.

# Financial Transformation

- The conventional wisdom of current economic and finance theory is based on assumptions of **rational expectations and efficient markets**. (“Free market knows the best”)
- The belief in unfettered finance and free markets allowed global finance to expand exponentially since the 1990s.
- However, financial regulation and **risk management of derivatives were seriously flawed** with its **systemic risks underwritten by the public sector**.
- The world is **re-examining conventional wisdom and finance theory**.

# Financial Transformation

Figure 4 | Asia's global share of bonds, equities, and bank assets will rise

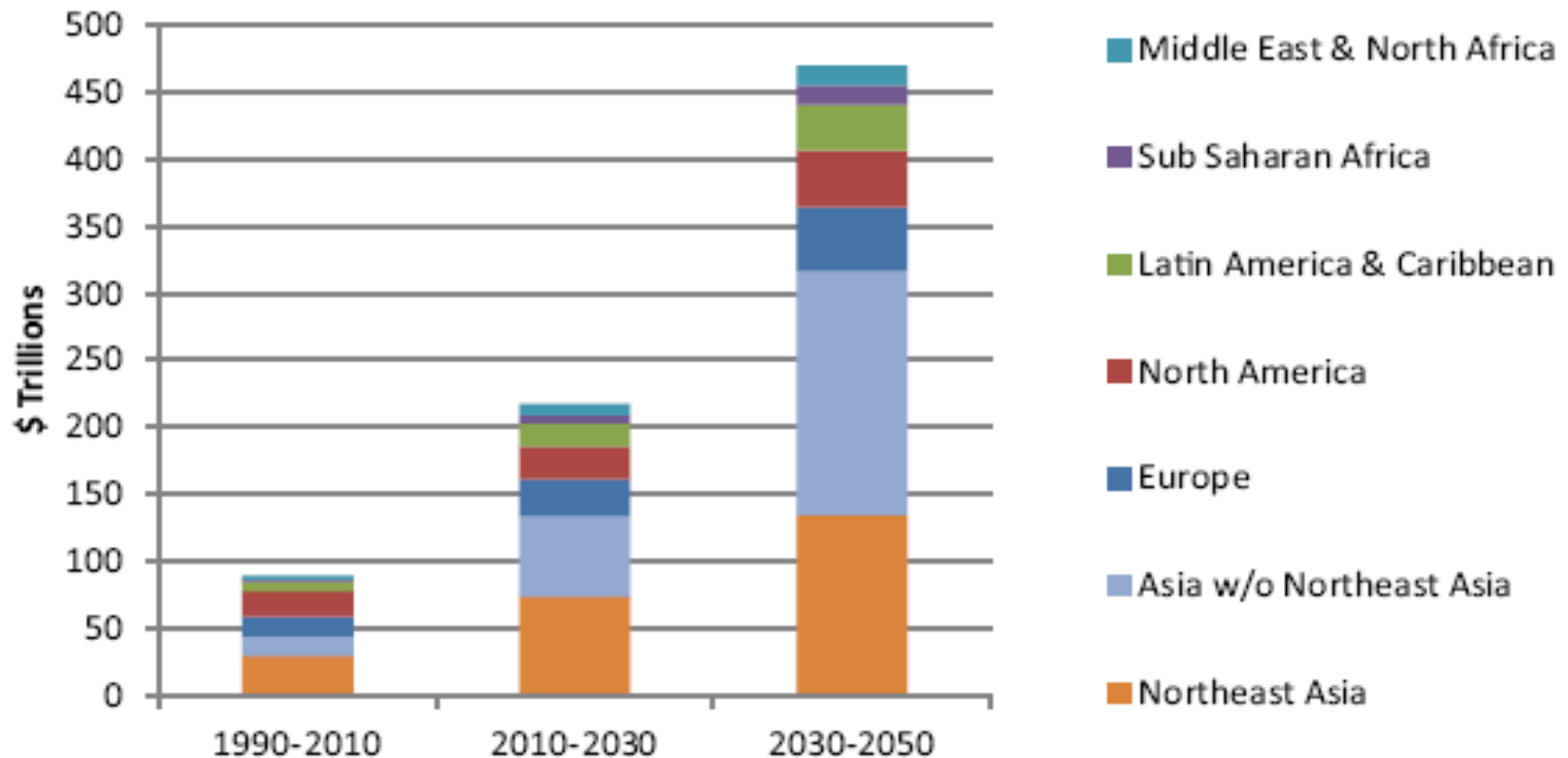


Source: Authors' projections, 2011.

# Financial Transformation

Financial sector should not grow at the expenses of the real sector. Instead, it must complement and support the real sector activities.

Figure 3 | **Asia will account for 70 percent of the world's added capital stock between 2030 and 2050**



Source: Centennial Group projections, 2011.

Source: ADB (2011)

# Financial Transformation

## Global Imbalance

Great Recession was the flawed international financial architecture, centering on the dominant role of a single global reserve currency.

French President proposed 4 options in G-20 meeting:

- (1) Status quo
- (2) A single dominant Asian currency that contends for the dominant position in Global Reserve Currency System
- (3) Establish Asian Monetary System and then join Global Reserve Currency System
- (4) A direct or phased migration from status quo to a new Global Reserve Currency System

## Focusing on Serving the Real Sector

- (1) Efficiently meet the resource allocation needs of the real sector, especially micro business, SME and municipal development
- (2) Improve the price discovery process and trading so that liquidity and transparent markets are maintained
- (3) Improve risk management to the new environment
- (4) Protect long-term risk-adjusted real returns to pension and social security needs

## Investment Banking

Speculative trading initially has a social value of providing liquidity and price discovery.

- (1) Separation of commercial banking from investment banking.
- (2) No implicit and explicit guarantees that create moral hazard.

## Insurance

Asia is **grossly underinsured**. Gross insurance premiums accounted for 6 % of GDP in Asia compared with 7.3 % in America and 7.5 % in Europe.

Develop knowledge-based skills for the insurance industry, particularly its risk-management and actuarial expertise.

## Asset Management

- (1) In 2008, total retirement assets of US households reached \$13.9 trillion, roughly 100 percent of GDP. Total global pension fund assets were \$21.6 trillion.
- (2) An **increasing number of High Net Worth Individuals (HNWI)**. Despite this fact, **Asia has yet to fully invest in Asia.**

Develop a strong asset management and pension fund industry, by (1) liberalizing the portfolio restrictions (2) allowing more investment alternatives both domestic and international ones.

## Regional Cooperation

- (1) Intra-regional trade in East Asia is now close to 56 % yet intra-regional financial service trade is still constrained by regulatory and institutional barriers.
- (2) Individually, smaller Asian financial systems lack the critical mass of research, experience and skill levels to become leaders in finance.

- (1) Institutionalization of Asian regional cooperation and the financial safety nets by expanding the multi-lateralized Chiang Mai Initiative as a financial safety net that can co-exist with EFSF and the IMF.
- (2) Use AMRO as the think-tank for the new institute.

# Regional Integration

## Main Objectives

- (1) To have the voice and influence in the global agenda that is **commensurate with its economic weight**.
- (2) To **sustain region-wide economic growth**. This will require the creation of a single market—at least for goods, services and finance, to permit the Asia-wide free flow of trade and investments.
- (3) To **reduce cross-country disparities** in income and opportunities
- (4) there are many areas that can yield significant **synergies and positive spillovers**, such as technological development, energy security, disaster preparedness, etc.

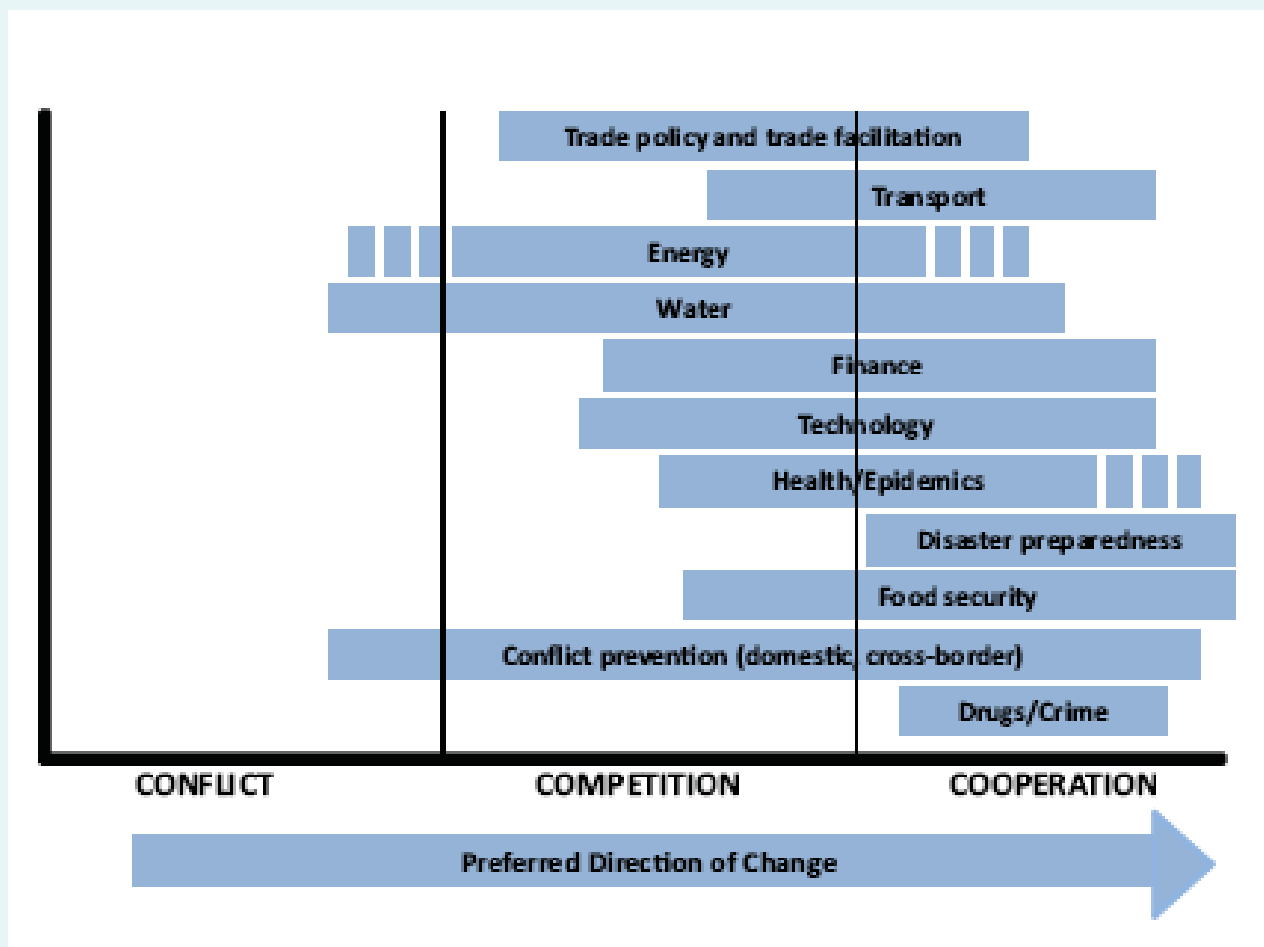
# Regional Integration

The management of the regional commons is involved:

- Diffusing and **mitigating** internal political and social risks associated with **drugs, religious fundamentalism and terrorism**.
- **Avoiding conflicts** between the **mega-economies or nuclear states**.
- Maintaining **social and political stability** in the region, especially to support the economic and security concerns of fragile states.

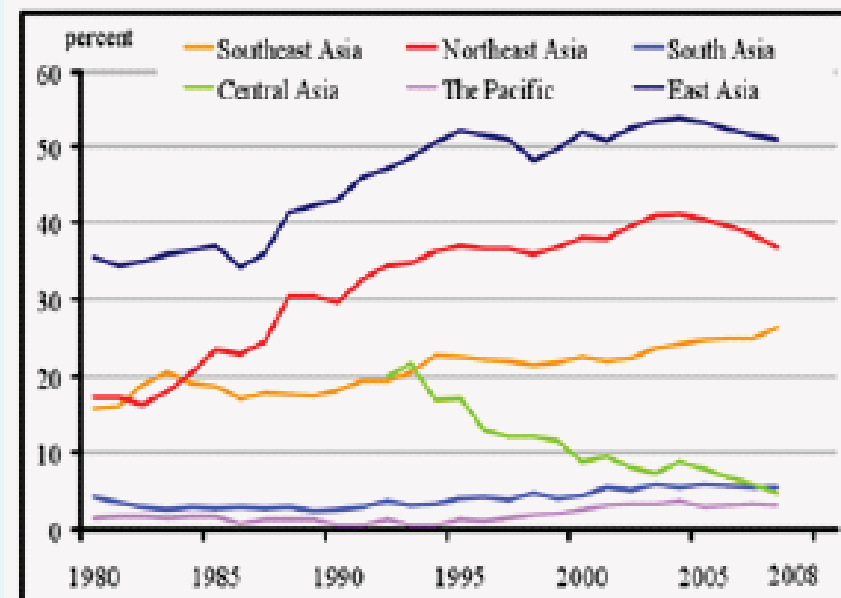
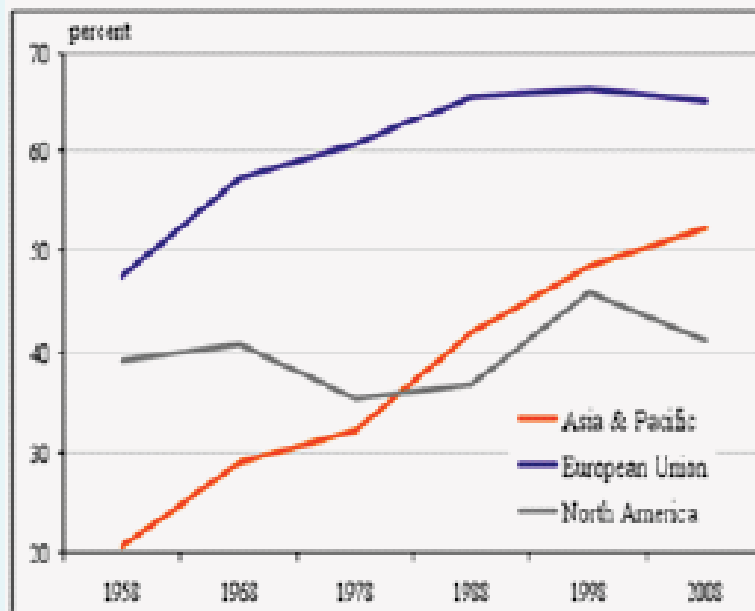
# Regional Integration

Figure 1 | From conflict to cooperation



# Regional Integration

Figure 2 | Asia has experienced an increase in share of intra-regional trade

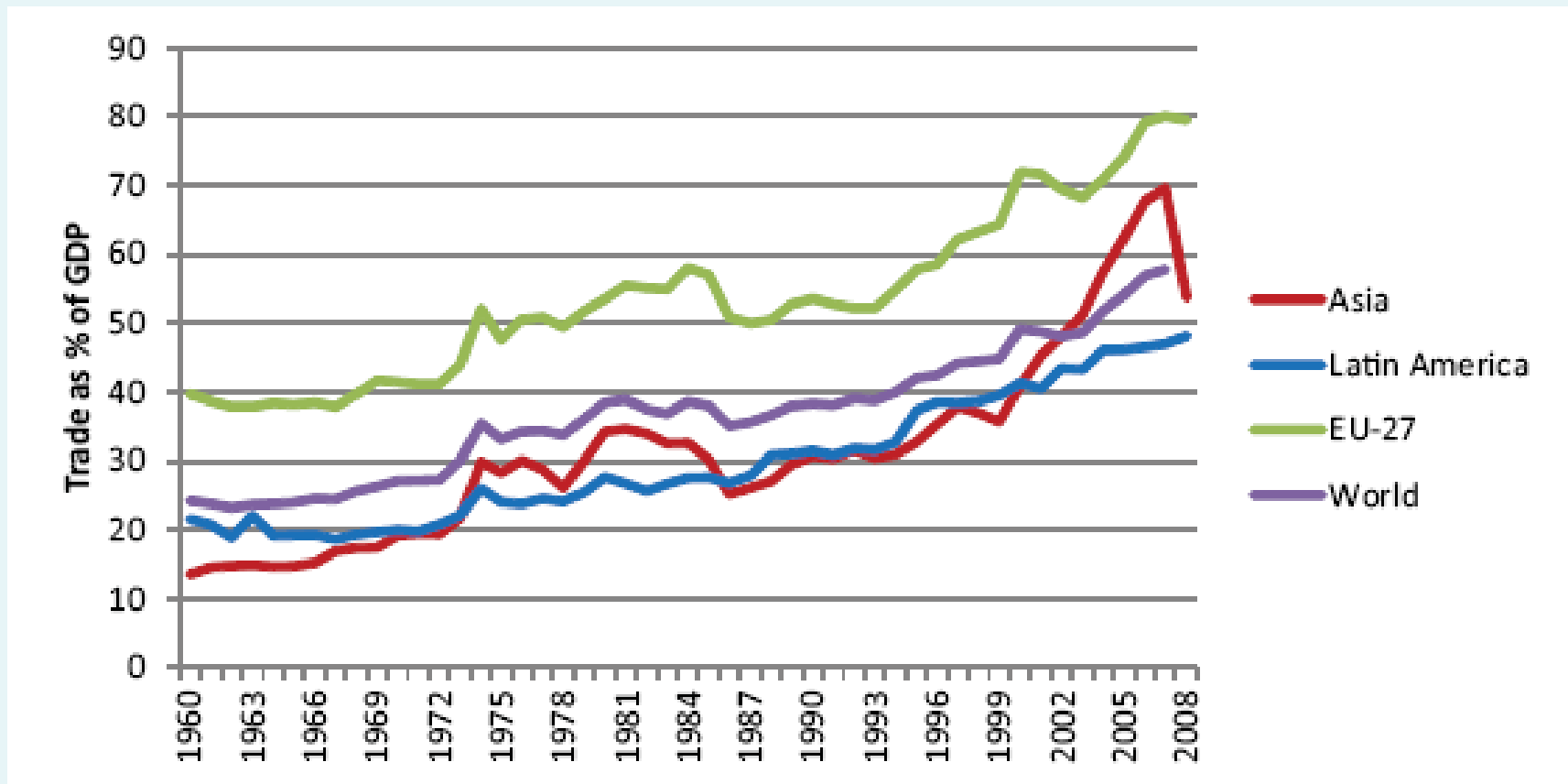


Source: World Bank World Development Indicators, 2011.

Note: Figures refer to total trade (exports plus imports). The intra-regional trade share of region  $i$  is defined as  $IT\ share_i = (X_{ii} + M_{ii}) / (X_i + M_i)$ , where  $X_{ii}$  = exports of region  $i$  to region  $i$ ;  $M_{ii}$  = imports of region  $i$  from region  $i$ ;  $X_i$  = total exports of region  $i$ ; and  $M_i$  = total imports of region  $i$ .

# Regional Integration

Figure 4 | Trade is increasing in relevance



Source: IMF Direction of Trade, 2011.

# Regional Integration

- 1) It helps to keep **the number of members** in the regional organization **manageable**. Membership is best based on shared geography and common regional interests.
- 2) **Adequate funding** mechanisms for regional investments are **essential**.
- 3) External assistance can be helpful in setting up and sustaining **subregional institutions**, as in the case of the Greater Mekong Subregion Program (**GMS**) and the Central Asia Regional Economic Cooperation Program (**CAREC**).
- 4) “Open regionalism” (i.e., the creation of institutions that are open to extra-regional participation and do not discriminate against non-regional economies in the long-term), is the most successful strategy.
- 5) Regional economic cooperation organizations that **involve ministries of finance or economy** tend to be **more effective than** those that rely on the leadership of **ministries of foreign affairs**.
- 6) The **engagement** of the **business** community **and civil society** strengthens the mechanisms for regional cooperation.

# Regional Integration

## Box 4 | ADB proposals for new regional institutions

Key proposals put forward by ADB in its recent study on Asian regional institutions include:

- Establishing an Asian Financial Stability Dialogue.
- Setting up an Asian Monetary Fund (AMF) to conduct regional macroeconomic surveillance and provide financial support during crisis.
- Creating an Asian Infrastructure Fund.

- Broadening the Asia Bond Markets Initiative to an Asian Capital Markets Initiative.
- Setting a cooperative framework for dealing with capital flows and regional exchange rates.
- Working toward a region-wide FTA and multilateralizing regionalism in the WTO context.
- Setting up an Pan-Asian Infrastructure Forum

Figure 1 | Strategic framework

