Three Special Places

- **Tokyo—the biggest city in the world**
  - 35 million out of 120 million Japanese, packed into 4 percent of Japan’s land area

- **USA—the most mobile country**
  - More than 35 million out of 300 million changed residence in 2006; 8 million people changed states

- **West Europe—the most integrated continent**
  - About 35 percent of its GDP is traded, almost two thirds within the region
Crowded cities

Tokyo’s trains have been moving 8 million people every day
Packing in the subways

Tokyo’s “trainpackers” crush commuters into metrorail carriages
And piling up wealth—the fruits of proximity

Japan’s economic mass is concentrated in the Tokyo-Yokohama area

Going home for the holidays

Planes in the air on the Tuesday before Thanksgiving in the US
Going home for the holidays?

Stranded by storms before the Thanksgiving weekend
Why Americans put up with the pain of moving

Economic mass is concentrated in a few parts of a big country

Map 60.2 Distance—why Americans must be mobile
Economic production per square kilometer in the United States

Airbus parts are made, moved, and assembled all over Western Europe.
Loading and moving the fruits of specialization

Airbus parts are made, moved, and assembled all over Western Europe
Thin borders in Europe, thick in Africa

Economic Division: barriers to movement of goods, capital, labor and ideas.

Borders are not the problem. Badly managed borders are the problem.

Division is a greater problem in developing regions.
The result?

The US, EU-15, and Japan cover much of the economic globe

A country’s size shows the proportion of global gross domestic product found there

Note: The cartogram was created using the method developed by Gastner and Newman (2004). This map shows the countries that have the most wealth when GDP is compared using currency exchange rates. This indicates international purchasing power—what someone’s money is worth if spent in another country.
Stories being repeated now in developing Asia

- **Mumbai—the most densely populated city**
  - About 30,000 people per sq. km.; already twice the population density of Seoul, Shanghai, and Bogotá

- **China—the most mobile developing country**
  - 60 million migrant workers traveled from home on the last day of Chinese New Year holidays in 2006
  - 200 million travelers were stranded due to snow storms days before Chinese New Year in 2008

- **Southeast Asia—the most rapidly integrating developing region**
  - Trade is a big part of GDP
  - More than 25 percent of its trade is within Southeast Asia; more than 50 percent if Northeast Asia is included
Stuffed trains in Mumbai

Mumbai’s trains move millions every day
Trainpackers needed

People die every day on Mumbai’s trains
China: Millions of workers migrated during the 1990s

Map 3 Migrating to reduce distance to density: Despite the obstacles, Chinese workers have migrated in the millions

Source: Huang and Luo 2006, using data from the population census of China.
Going home in China

Guangzhou railway station during Chinese New Year, 2008
Computer parts are made and assembled all over East Asia

Figure 8: An example of interdependence in ‘Factory Asia.’

Note: This shows the nations where parts are sourced for a hard-disk drive assembled in Thailand; the disk drives are then shipped on to various markets to be used in various electronics.

Source: Adapted from Hiratsuka (2005). Figure 2
Not just computers—vigorous trade flows in East Asia

Vigorous trade flows in East Asia, anchored by China and Japan

Map G3.2 Asia integrated: trade at the end of the twentieth century

China, India and Southeast Asia can again be recognized on a map of the world’s economic geography.

A country’s size shows the proportion of global gross domestic product found there.

Note: The cartogram was created using the method developed by Gastner and Newman (2004). This map shows the countries that have the most wealth when GDP is compared using currency exchange rates. This indicates international purchasing power—what someone’s money is worth if spent in another country.
Geographic transformations needed for progress

- **Higher Densities**
  - No country has grown to high income without urbanizing

- **Shorter Distances**
  - Growth seldom comes without the need to move closer to density

- **Fewer Divisions**
  - Growth seldom comes to a place that is isolated from others
Report structure: Three policy debates

The report can be read by part or by policy

Source: WDR 2009 team.
Three geographic scales

The report examines policy issues at the local, national and international geographic scales.

Shanghai, China, and East Asia exemplify the local, national, and international scales.

The first geographical scale
The area around Shanghai Province

The second geographical scale
The country of China

The third geographical scale
The East Asian region

Source: WDR 2009 team.
Policy concerns at each geographic scale

- **Local:** Concentration of people in cities will outstrip concentration of economic mass
  - A billion people in the world’s slums
- **National:** Spatial disparities in living standards will widen as economic mass concentrates in leading provinces
  - A billion people in remote and lagging areas
- **International:** Poor people will be trapped in isolated countries that are not developing
  - The new third world: the “Bottom Billion”
WDR 2009 messages

• **Growth will be unbalanced**
  – Trying to spread out economic production amounts to fighting the forces of economic growth

• **Development can still be inclusive**
  – Persistent spatial disparities in basic living standards are neither desirable nor inevitable

• **How to get both unbalanced growth and inclusive development? Economic integration**
  – Changing debates on urbanization, regional development, and global integration from spatial targeting to spatial integration
Policy makers think about spatial targeting first, and most

Policy discussion focuses too narrowly on just one of three possible instruments – spatially targeted interventions

<table>
<thead>
<tr>
<th>Complexity of challenge</th>
<th>Place type—local (L), national (N), and international (I) geographic scales</th>
<th>Policy priorities for economic integration</th>
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| Two-dimensional challenge | L. Areas of intermediate urbanization  
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| Three-dimensional predicament | L. Areas of advanced urbanization that have within-city divisions  
                                     N. Nations with dense lagging areas and domestic divisions  
                                     I. Regions distant from markets with small economies | ![ ] | ![ ] | ![ ] |

Common institutions and connective infrastructure are the most potent instruments for economic integration.
Incipient, intermediate and advanced urbanization present different policy challenges

Locally, as urbanization advances, the dimensions of the integration challenge increase

- Encouraging density in Popayan, Colombia
- Encouraging density and reducing distance in Bucaramanga, Colombia
- Encouraging density, reducing distance, and lowering divisions around Bogota, Colombia
1D—China: Lagging areas have high poverty rates, but leading areas have most of the poor.

Nationally, the dimension—economic distance; the instrument—institutions that unify.
2D—Brazil: Lagging areas have high poverty rates and many of the poor

The dimensions—long distances and misplaced densities; the instruments—
institutions, and infrastructure to connect leading and lagging places
3D—India, lagging areas have high poverty rates and a big share of the poor

The dimensions—long distances, misplaced densities, and domestic divisions; the instruments—Institutions, infrastructure, and incentives that target
Division impedes market access

Internationally, Division is the common problem: Borders are “thicker” in developing regions

Source: WDR 2009 team.
Note: The width of borders is proportional to a summary measure of each country’s restrictions to the flow of goods, capital, people, and ideas with all other countries. Gray areas = insufficient data.
Market access helps to classify the developing world’s neighborhoods

Market access differs greatly, depending both on geography and governance (lighter colour = greater distance from large world markets)
Density, distance, and division can be used to characterize the difficulty of international integration for countries in different regions of the world.
Economic geography of the Pacific Island Nations: Applying the 3Ds
Kiribati's population of about 110,000 is dispersed across 3.5 million square kilometres. That is roughly half the size of Australia with 190th of the population.
Formidable economic distances...
The Pacific Island Nations are about 41% farther from potential markets, than the Caribbean states.

Any randomly selected Pacific country is 11,500km away from other countries weighted by rest-of-world GDP.
Calibrating integration policies—an “I for a D”

A simple framework for tailoring integration policies to the economic geography of places

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### Becoming an extension of the local “large market”

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<th>Close to world markets</th>
<th>With big countries far from world markets</th>
<th>Small countries far from world markets</th>
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</thead>
<tbody>
<tr>
<td>World neighborhoods</td>
<td>Central America and Caribbean, North Africa, Middle East</td>
<td>South America, Southern Africa, East Asia, South Asia</td>
<td>Central Africa, East Africa, West Africa, Central Asia and Caucasus, small Pacific Islands</td>
</tr>
<tr>
<td>Dimensions of the regional integration challenge</td>
<td>International division (1-D)</td>
<td>Regional division, economic distance (2-D)</td>
<td>International division, economic distance, low density (3-D)</td>
</tr>
<tr>
<td>What policy instruments should facilitate</td>
<td>Integration with large nearby markets</td>
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<td>Regional and global connectivity</td>
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### Priority instruments

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<td>Regional provision of public goods</td>
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<td>Shared facilities (research, central banks, regulatory bodies)</td>
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<td>Infrastructure</td>
<td>Transport corridors connecting to large regional economy</td>
<td>Regional power grids, telecoms, water management</td>
<td>Hub-and-spoke infrastructure</td>
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<td>Incentives</td>
<td>Subsidized human development investments in lagging countries and areas</td>
<td>Productive investments in leading countries and areas</td>
<td>Preferential market access</td>
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</table>
What the report proposes

• Understand the spatial transformations necessary for progress
  – Higher Densities, shorter Distances, and fewer Divisions

• Unleash the market forces that promote economic concentration and social convergence
  – Agglomeration, Migration, and Specialization

• Calibrate policies to economic geography of places
  – “Institutions” which unite—helping labor and capital move to opportunity
  – “Infrastructure” to connect—but do not expect production to spread out
  – “Interventions” that target—but only where necessary

• The result: unbalanced growth, inclusive development

Video documentaries:

“Seeing Development in 3D”
And
“Slums and Money”

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