The following charts were created using the World Bank’s data published in Private Participation in Infrastructure: Trends in Developing Countries in 1990-2001 (Energy • Telecommunications • Transport • Water)


“Overall, the trend in PPI illustrates a dramatic increase in investment flows between 1990-1997 as governments around the world turned to the private sector for innovative and cost-effective solutions to increasing coverage, raising quality standards, and aiming for cost recovery and sustainability in infrastructure service provision. However, since the economic crises of the late 1990s, a few (but high-profile) cases of canceled projects, visible corporate governance and accounting problems, and a general global economic slowdown led to a chilling effect on investors and resulted in declines in investment so that 2001 levels paralleled that of the mid-1990s” ([http://rru.worldbank.org/PPIbook/](http://rru.worldbank.org/PPIbook/)).

Discussion questions

- How can the trends be explained?
- Is the decline in investment an aberration?
- Are their underlying structural or institutional issues?
- What is the outlook for global private-sector investment in infrastructure?
- What is the role of economic regulation in infrastructure investment?
Economics with Private Participation in Infrastructure by Number of Sectors, 1990–2001

INFRASTRUCTURE SECTORS
- Energy
- Telecommunications
- Transport
- Water and sewerage

Legend:
- Pink
- Brown
- Green
- Grey
- Purple

Source: World Bank World Development Reports

Note: The map illustrates the extent of private participation in infrastructure sectors across different countries.
## Developing Economies by Income

### LOW INCOME
- Afghanistan
- Angola
- Armenia
- Azerbaijan
- Bangladesh
- Benin
- Bhutan
- Burundi
- Cameroon
- Central African Republic
- Chad
- Comoros
- Congo, Dem. Rep. of
- Congo, Rep. of
- Côte d'Ivoire
- Djibouti
- Egypt
- Ethiopia
- Gambia, The
- Georgia
- Ghana
- Guinea
- Guinea-Bissau
- Haiti
- India
- Indonesia
- Kenya
- Korea, Dem. Rep. of
- Kyrgyz Republic
- Lao PDR
- Lebanon
- Madagascar
- Malawi
- Maldives
- Mauritania
- Mongolia
- Mozambique
- Myanmar
- Nepal
- Nicaragua
- Niger
- Nigeria
- Pakistan
- Palau
- Sao Tome and Principe
- Senegal
- Sierra Leone
- Solomon Islands
- Somalia
- Sudan
- Tajikistan
- Tanzania
- Togo
- Tuvalu
- Ukraine
- Uzbekistan
- Vietnam
- Yemen, Rep. of
- Zambia
- Zimbabwe

### LOWER MIDDLE INCOME
- Albania
- Algeria
- Angola
- Bangladesh
- Barbados
- Bangladesh
- Barbados
- Belarus
- Benin
- Bolivia
- Bosnia
- Botswana
- Brazil
- Brazil
- Bulgaria
- Cape Verde
- Chinese
- Colombia
- Costa Rica
- Cuba
- Djibouti
- Dominican Republic
- Ecuador
- El Salvador
- Equatorial Guinea
- Fiji
- Guinea
- Guinea-Bissau
- Haiti
- Honduras
- Iran, Islamic Rep. of
- Iraq
- Jamaica
- Jordan
- Kazakhstan
- Kenya
- Kiribati
- Kyrgyz Republic
- Latvia
- Lithuania
- Macedonia, FYR
- Maldives
- Marshall Islands
-モノゴ
- Namibia
- Nauru
- Nepal
- Niger
- Nigeria
- Pakistan
- Palau
- Sao Tome and Principe
- Senegal
- Sierra Leone
- Solomon Islands
- Somalia
- Sudan
- Tajikistan
- Tanzania
- Togo
- Tuvalu
- Ukraine
- Uzbekistan
- Vietnam
- Yemen, Rep. of
- Zambia
- Zimbabwe

### UPPER MIDDLE INCOME
- American Samoa
- Antigua and Barbuda
- Argentina
- Bahamas
- Barbados
- Botswana
- Brazil
- Chile
- Croatia
- Czech Republic
- Dominica
- Estonia
- Gabon
- Grenada
- Hungary
- Isle of Man
- Korea, Rep. of
- Lebanon
- Libya
- Malaysia
- Malta
- Mauritius
- Mayotte
- Mexico
- Oman
- Panama
- Pakistan
- Puerto Rico
- Qatar
- Seychelles
- Slovak Republic
- South Africa
- St. Kitts and Nevis
- St. Lucia
- Trinidad and Tobago
- Uruguay
- Venezuela, R.

*Note: Economies are classified in the category in which they belonged in 2000.*
Figure 1.1

Figure 1.2
Infrastructure Projects with Private Participation by Year of Financial Closure, Developing Countries, 1990-2001 (number of projects)
Figure 1.3
Annual Investment in Infrastructure Projects with Private Participation by Destination of Investment, Developing Countries, 1990-2001 (2001 US$ billion)

Figure 1.4
Figure 1.5
Annual Investment in Infrastructure Projects with Private Participation by Region, Developing Countries, 1990-2001 (2001 US$ billion)

Figure 1.6
Cumulative Investment in Infrastructure Projects with Private Participation by Region, Developing Countries, 1990-2001 (2001 US$ billion)

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Figure 1.7
Cumulative Investment in Infrastructure Projects with Private Participation by Region and Type, Developing Countries, 1990-2001 (2001 US$ billion)

Figure 1.8
Cumulative Investment in Infrastructure Projects with Private Participation by Sector and Subsector, Developing Countries, 1990-2001 (2001 US$ billion)
Figure 1.9
Annual Investment in Infrastructure Projects with Private Participation by Type, Developing Countries, 1990-2001 (2001 US$ billion)

Figure 1.10
Annual Investment in Infrastructure Projects with Private Participation by Income Group, Developing Countries, 1990-2001 (2001 US$ billion)
Figure 1.11
Cumulative investment by sector and country income (2001 US$ billion)

- Lower-income countries
- Lower-middle-income countries
- Upper-middle-income countries