
 **The problem with IPRs**

by
Danny Quah
Gurukul Chevening Senior Scholars seminar
14 November 2007
London



 **Conclusions**

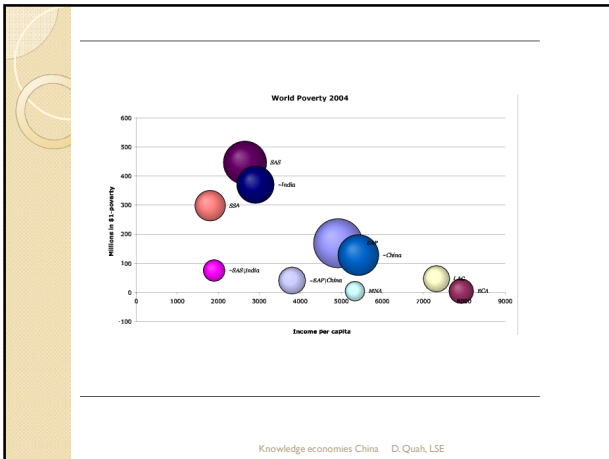
- The place of flat-world India in the global economic system
- Intellectual property rights
- Why it matters in India, of all places

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 **Flat-world India**

- Software
- Pharmaceuticals
- Education Services
- Telecommunications
- R&D

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- ### Flat-world India
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 - Pharmaceuticals
 - Education Services
 - Telecommunications
 - R&D
- IPRs - Nov 2007 D. Quah

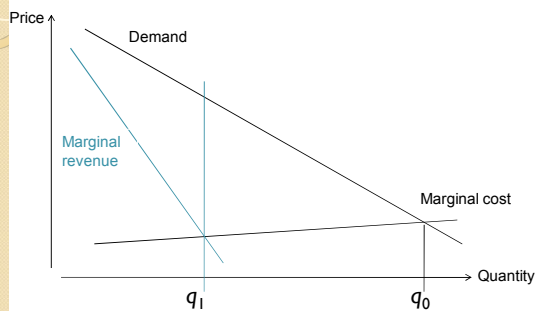
- ### Intellectual property rights
- Music, digital entertainment
 - MP3s, DVDs
 - Computer software, operating systems
 - MS Windows, Linux
 - Pharmaceuticals
 - AIDS antiretrovirals
- IPRs - Nov 2007 D. Quah

Digital goods and services

- Global medication
 - HIV/AIDS infection: Africa 24.5m, total worldwide 34.3m
 - Population in Africa 12% of world
 - Cost of anti-retroviral medications
- Dynamic incentives versus monopoly markup: Creation versus dissemination

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Creativity and dissemination



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International IPRs

- India 04/1972-05/2003 pharma process patents only
- World's largest producer by volume, one of the world's largest for bulk drugs. Major exporter
- Quinolone molecules for bacterial infection
- Welfare loss US\$715mn a year (120% of total sales) versus domestic producer profits gain US\$50mn a year, multinationals US\$57mn

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