

## Global and Regional Broadband trends

Workshop on "Regulatory policies on universal access to broadband services"  
 ITU-D Study Group 1, Question 7-2/1  
 ITU Headquarters, Geneva  
 8 September 2008

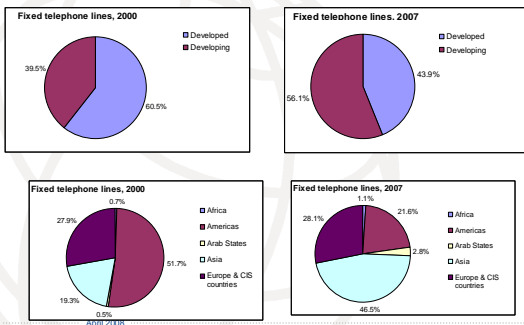
Susan Teltscher, Ph.D.  
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 International Telecommunication Union

## This presentation

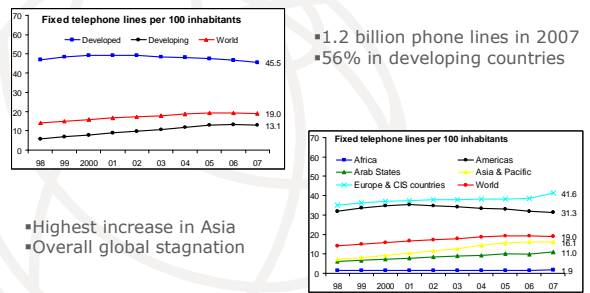
- Global and regional ICT trends
- Digital divide and broadband
- B4D applications
- Spotlight on Asia-Pacific



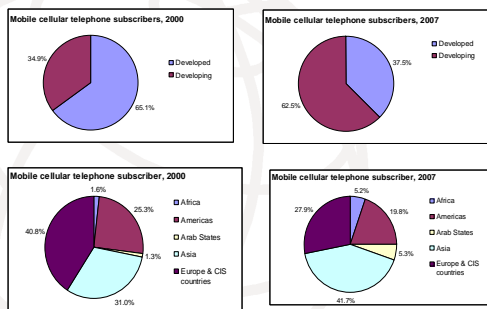
## Fixed telephony



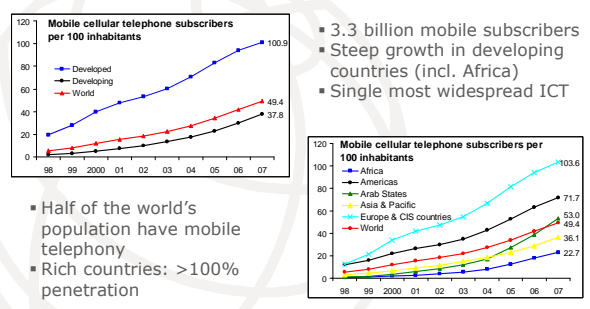
## Fixed telephony

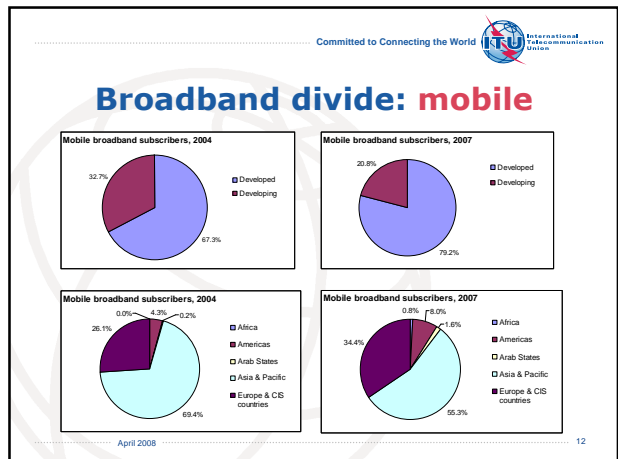
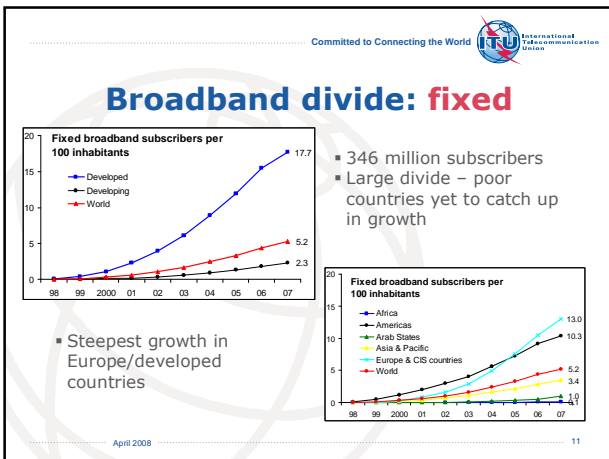
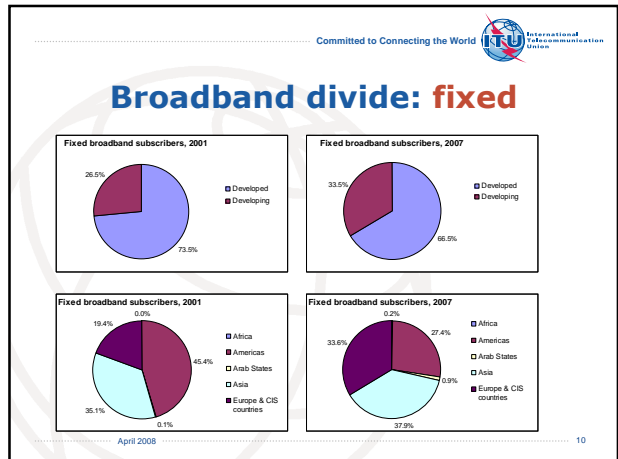
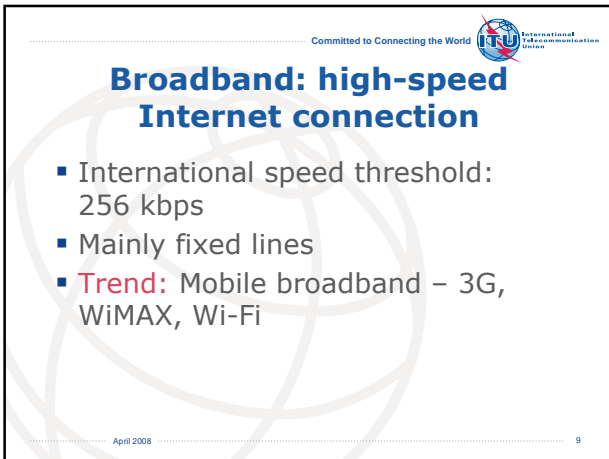
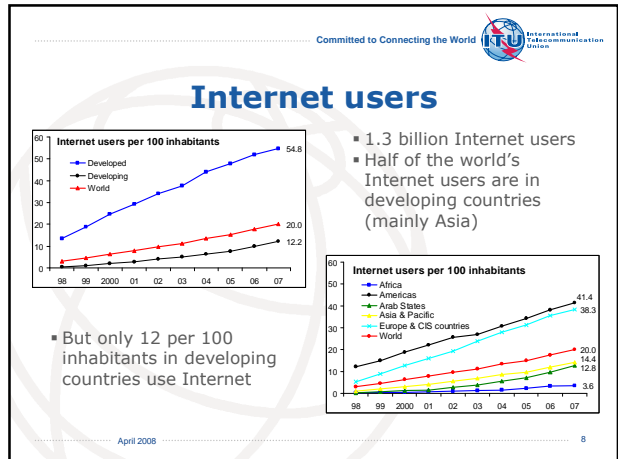
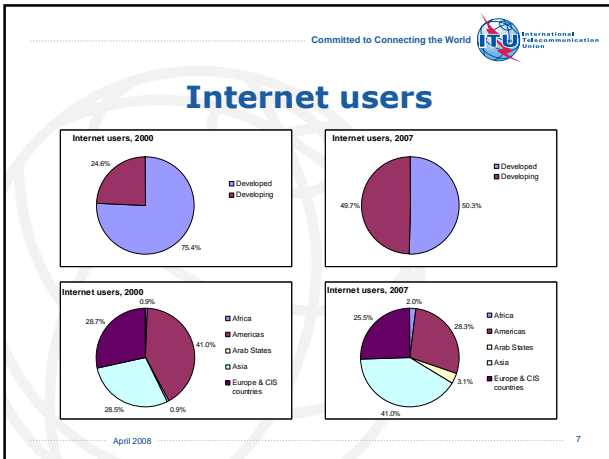


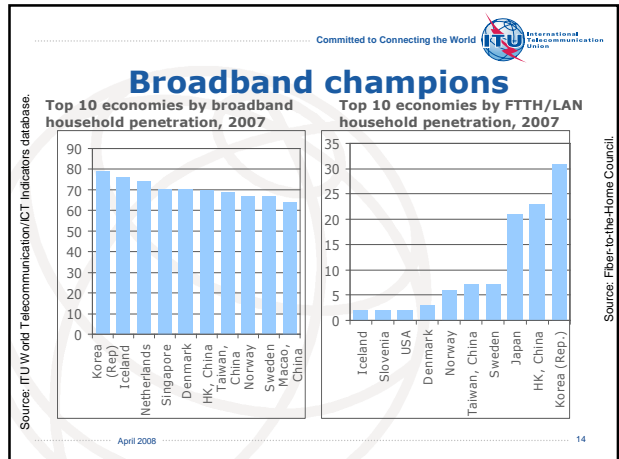
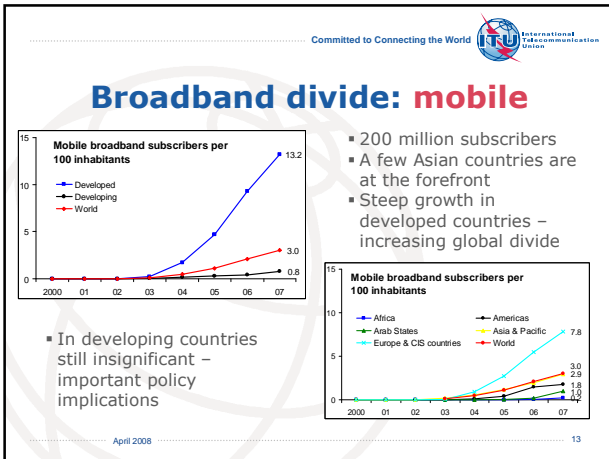
## Mobile telephony




## Mobile telephony








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## Benefits of broadband

- Broadband makes the Internet always available at a fast speed:
  - Companies can keep websites up and running 24x7 and can deliver products & services in real time, anywhere in the world.
  - Individuals enjoy a faster and more pleasant Internet surfing experience and the ability to use bandwidth-intensive applications (e.g., VoIP, IPTV).
  - Broadband enhances a range of socially desirable and valuable online services in areas such as government, education and health.

April 2008 15

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## Broadband for Development (B4D) applications

- Education: online distance learning
- Business: e-commerce, e-banking, ICT-enabled services/BPO
- Health: access to medical information in rural/underserved areas
- Government: e-procurement, online tax filing, e-voting
- Environment: disaster management

April 2008 16

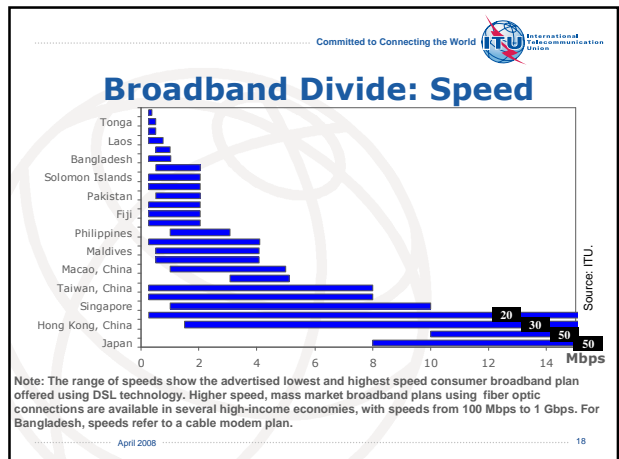
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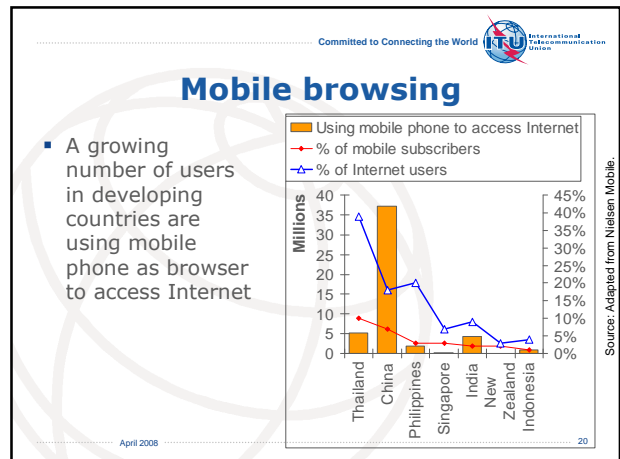
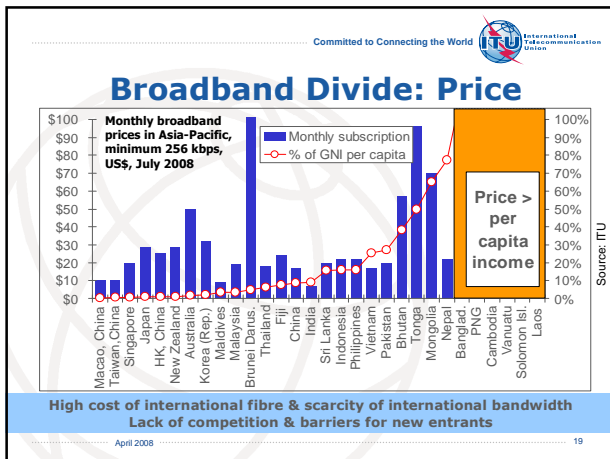
## Spotlight on Asia-Pacific


- Launched 1 September 2008
- Broadband:
  - trends
  - technologies
  - divide
  - policies
- Statistical tables
- Directory of national ICT/telecom organizations



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## Broadband divide: too much - too little

### High-income economies


- Ubiquitous, ultra-high speed access at ever lower price
- IP-based voice and video applications and 3G mobile use
- Fixed and mobile technologies complement each other so that many users enjoy uninterrupted high-speed connectivity

### Low-income economies

- Bandwidth deprived
- Low-speed ICT access
- Mobile phones have become a substitute for fixed lines and fixed broadband access, fulfilling data needs
- Internet cafes to provide higher speed, PC-based access

**B4D: Low-income economies should not be complacent about broadband. High-speed connectivity is crucial for many applications that can be important development-enablers.**


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## Recommendations

- Recognize importance of broadband; formulate national plans, including specific targets
- Award licenses and spectrum for wireless broadband technologies (3G, WiMAX)
- Open up the broadband market to new operators and stimulate competition to lower prices
- Create investment incentives in telecom sector
- Utilize **universal service funds** to bring broadband to rural and underserved areas
- Promote development of local content
- Encourage convergence and the transition to NGN including adoption of regulations allowing the use of voice and video over broadband networks.

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## More Information

- ITU Statistics  
➤ <http://www.itu.int/ict/>
- ITU Publications  
➤ <http://www.itu.int/opb/>
- Questions  
➤ [indicators@itu.int](mailto:indicators@itu.int)

April 2008 23