



LIFI

Liberated Wifi Roaming

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Mobile and Ubiquitous Computing
Class: Spring 2011



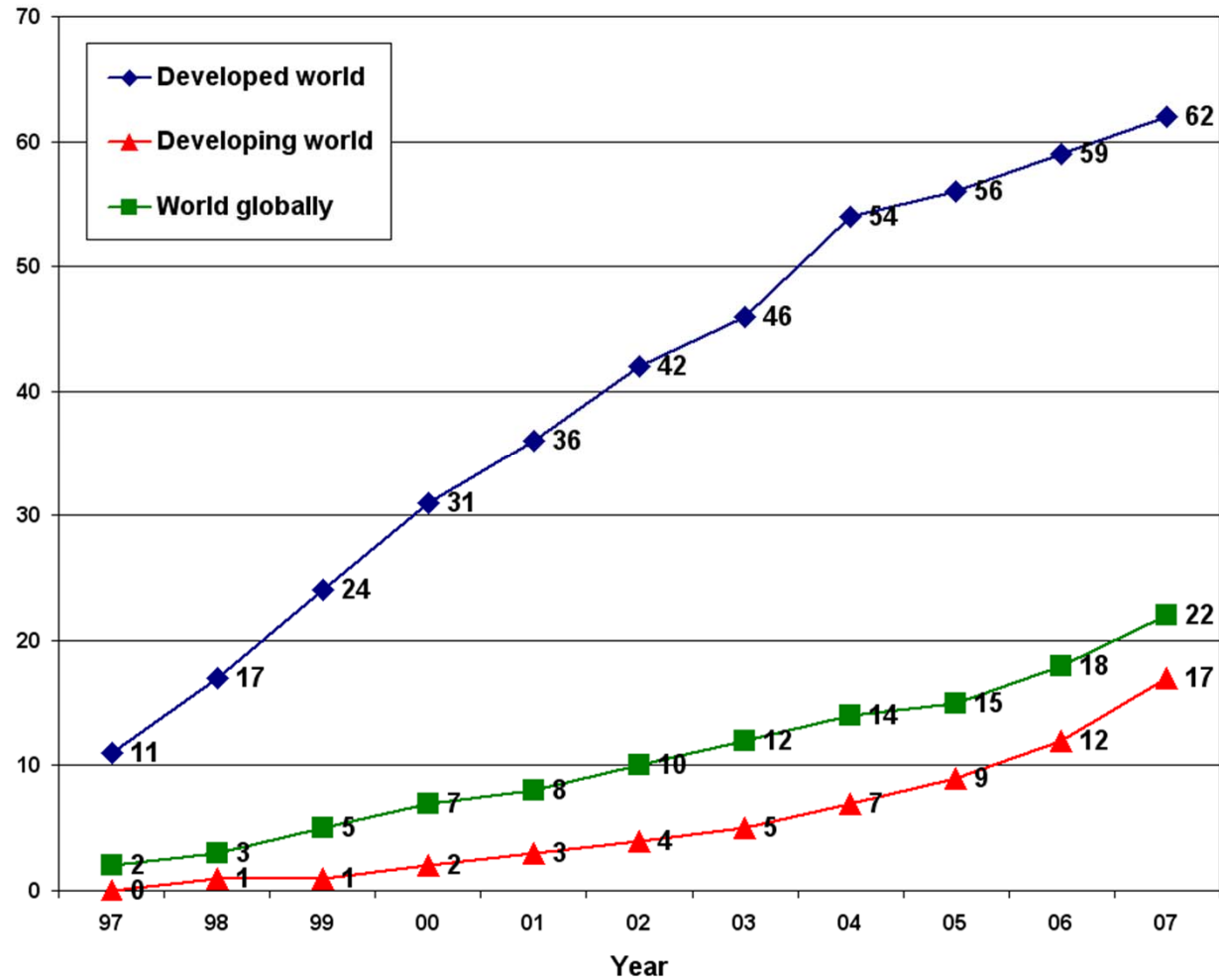


Use Case

Peggy hasn't found a job. Her Uncle loans her his old Moto Droid -the new one is hotspot enabled. Peggy has no phone plan. She goes to the store and connects to free Wifi. She goes to the bookstore, the same. She goes to the coffee shop, the same. Peggy says, "Why can't the phone connect for me?"

Digital Divide

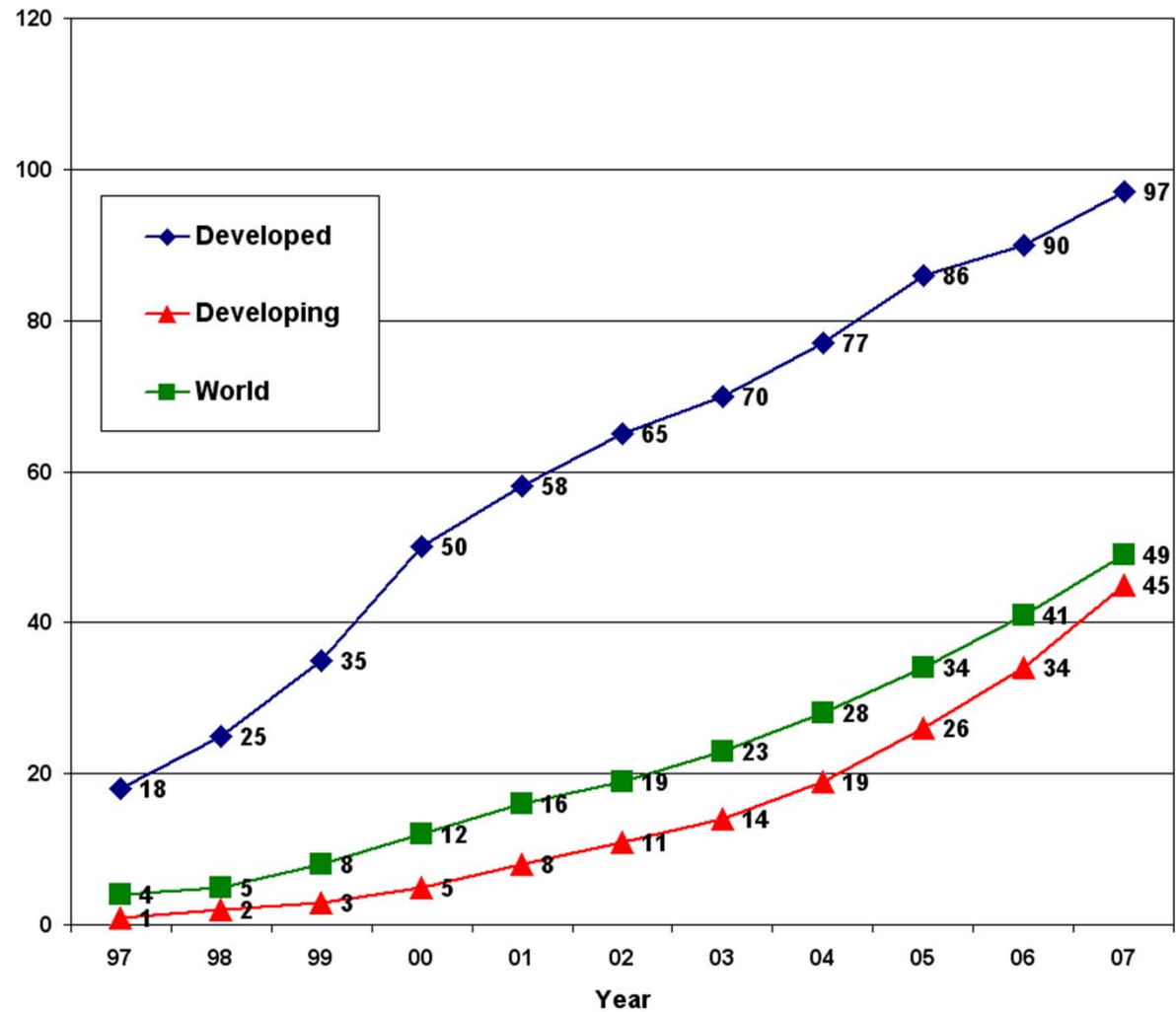
Internet users per 100 inhabitants 1997-2007 (Source: ITU)





Digital Divide

Mobile phone subscribers per 100 inhabitants 1997-2007





The Lifi System

- **Scanning**
- **Connecting**
- **Hotspot**
- **Mapping Service**
- **LIFI Social Network**
- **Incentives**



Completed

- Scanning
- Connecting
- Rooting

Begun

- Related Works
- Friends
- Google Latitude Integration

Remaining

- Incentives
- Metrics
- Discovering the Science