

ICT Deployment for e-Gov – Role of Government

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Lee, Yeong-Ro
Global Cooperation Division
National Information Society Agency

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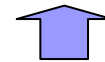
Why ICT and Broadband ?

We use the term “Green Growth”, where Broadband Network is known to be one of the ultimate solutions to secure sustainable economic growth

Transformation to
e-Society



Broadband Network for
Green Growth



Energy
efficiency

Transformation to e-Society

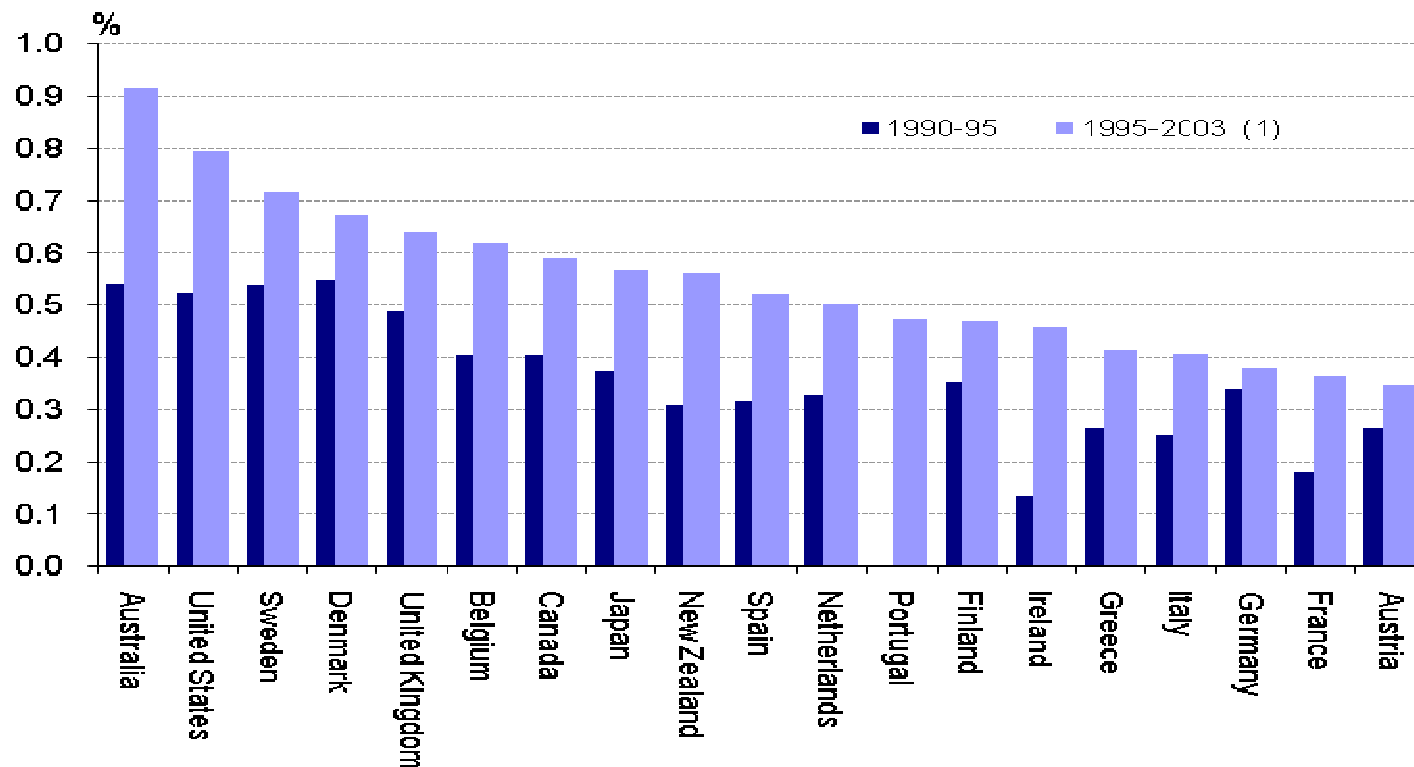
- ❖ e-Gov, Distant Computing
- ❖ Tele-conference, Health, Education, Tele-work
- ❖ Distant Monitoring and Response - environmental Disaster, Social security etc

Energy Efficiency Technology

- ❖ Petroleum Oil -> Clean Energy
- ❖ CO2 Emission-> Total Emission Management
- ❖ Trade of Carbon Right ->Economic aide

ICT's Contribution to GDP growth

In all OECD countries, the ICT investment makes more contribution to GDP growth ; from 1995 to 2005, ICT investments contributed to OECD country's GDP growth by 0.3% - 0.7%.



Source: OECD Productivity Database, September 2005

Source: ITU World telecommunication/ICT Indicators database

Then, , How Much ?



How much more could a household ever need?

Much More

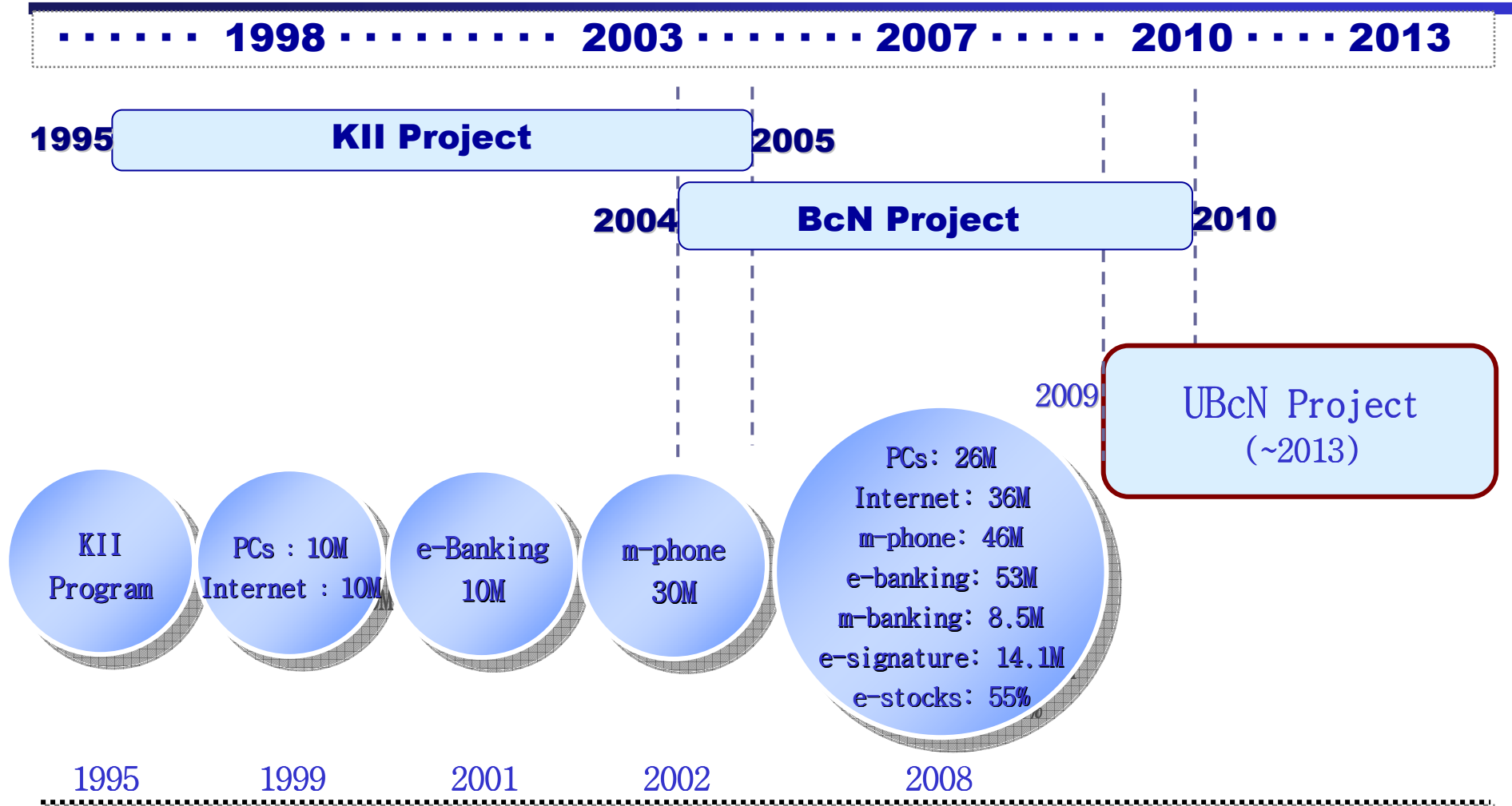
- Consumers' desired time to download media is proportional to their cost to store it
- By 2015, download 25 gigabyte movie in about 2 minutes, implying bandwidth of 1Gbps

Source: Telephonyonline July 1, 2008

Bandwidth: How much is enough?

II. Broadband and e-Gov and key driver as a whole

IT Policy and outcomes since 1995



* KII : Korea Information Infrastructure

* UBcN : Ultra Broadband Convergence Network

* BcN : Broadband Convergence Network

* Korea Population : 48m



Subscribers by Access Networks

of household penetration, 50% of them with the line Fiber/LAN

Per 100 inhabitants					Total Subscribers
	Cable	Fibre/LAN	etc	Total	
	10.7	7.0	0.0	29.1	14,042,728
	10.5	10.4	0.0	30.5	14,709,998
	10.5	12.2	0.0	31.2	15,059,029
	10.7	16.6	0.0	33.9	16,348.472

※Source : KCC, 2009.12

