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Egypt IPv6 Task Force; Progress, Challenges and Future Trends

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Egypt IPv6 Task Force; Progress,

20 May

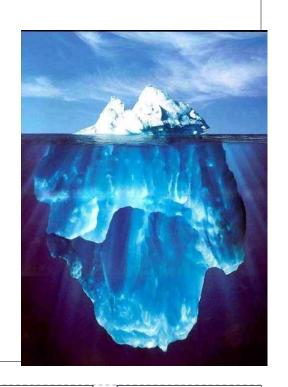


Agenda

Global vs. Local Trends

□ IPv6 Task Force Progress

□ The Leap Frog!!





Global vs. Local Trends

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Global Trends

- Internet users grew 183% from 2000.

 1 billion users last year. 2 billion by 2011.
- 2 billion cell phones in 2006. 3 billion by 2009.
- Wireless "hotspots" grew 87% in on 100,000. 200,000 by 2010.





Power Trend



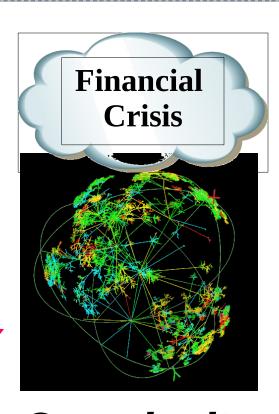
Global Connected Economy



Internet



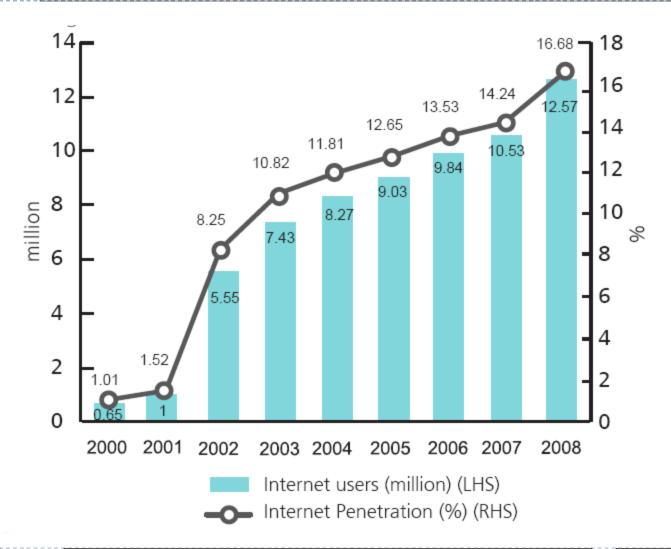
Commoditizati on of Technology



Complexit y and Challenge!

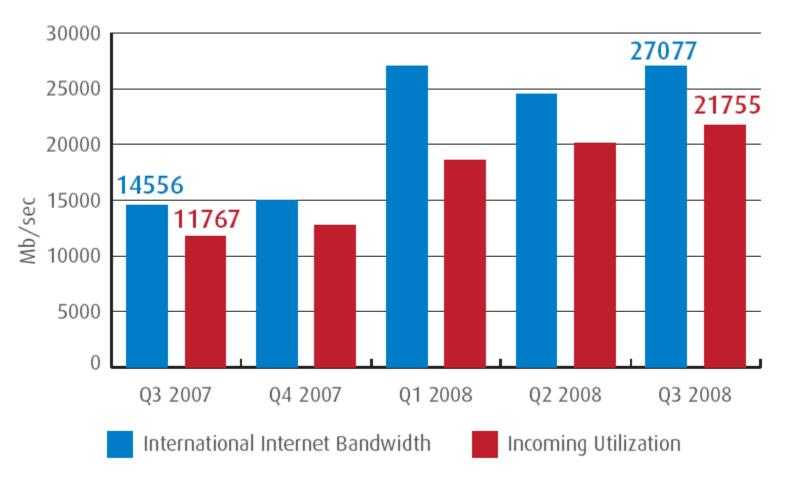


Egypt: Internet Users & Internet





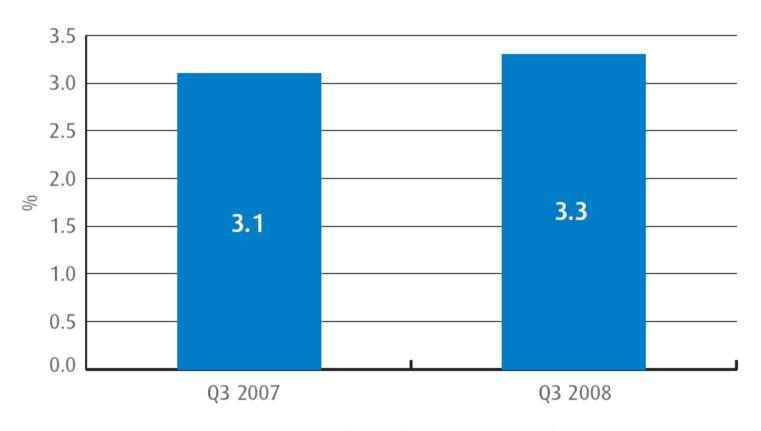
Egypt: International Internet Bandwidth



Source: Ministry of Communications and Information Technology, National Telecom (NTRA)



Egypt: ICT Contribution in GDP



Source: Ministry of State for Economic Development



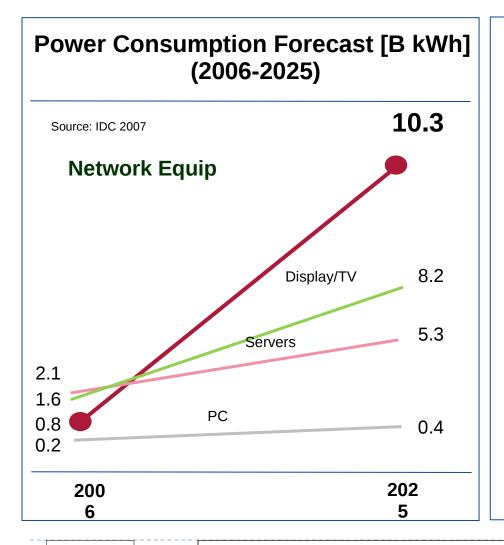








Why care about Green?



- S Electricity costs rose 88% in US since 2003 (source: US EIA official government stats)
- § Energy is a non-trivial OPEX item
- Worldwide legislation changes and public support for energy efficiency and climate control
 - California: reduce CO2 by 80 % in 2050
 - European Union: reduce CO2 by 20% by 2020
 - UK: reduce CO2 by 20% by 2010
 - Japan: reduce CO2 to 6% below 1990 level by 2010





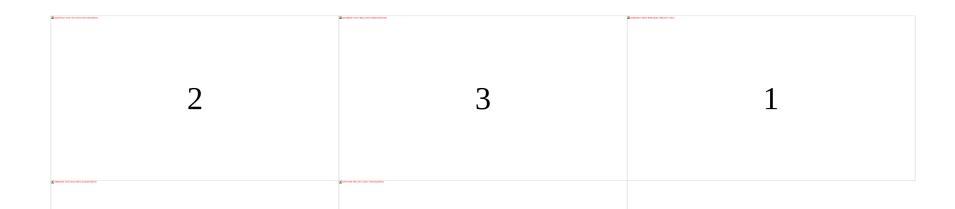
IPv6 Task Force Progress

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E-IPv6 Test Bed

nect them together by using IPv6 over IPv4 Tunnels



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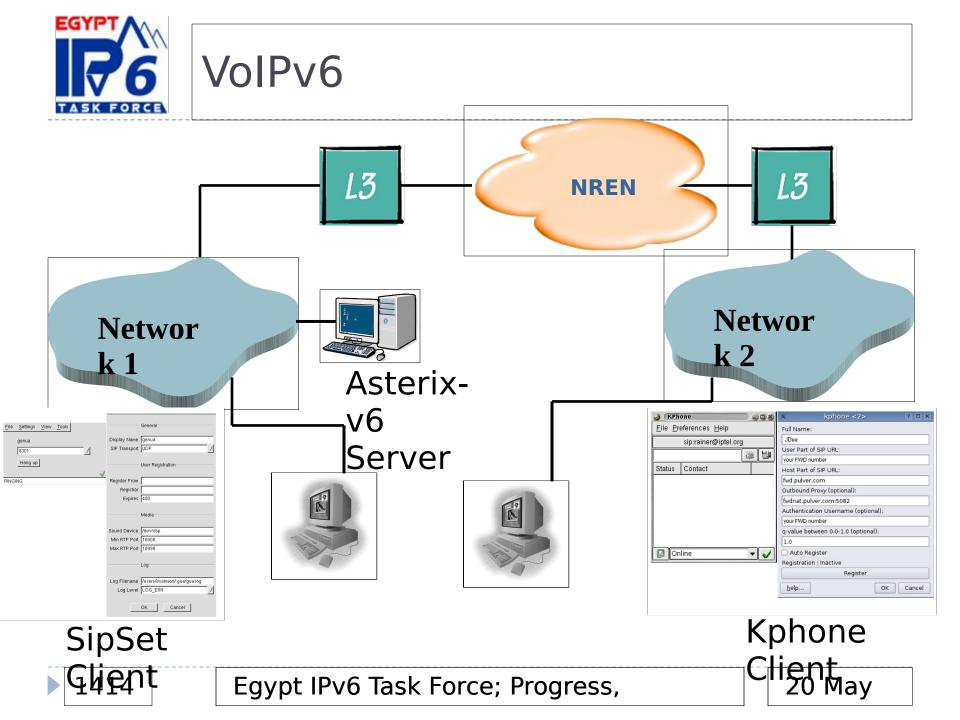


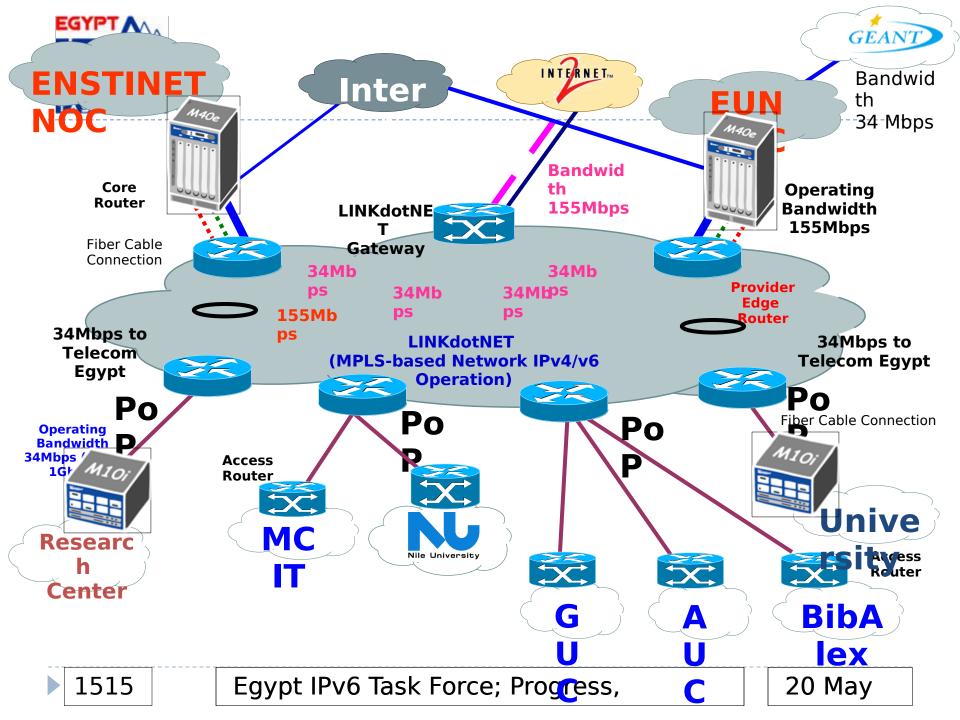
IPv6 Test Lab



http://www.ipv 6tf.org.eg

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The Leap Frog!!

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Collaborative Work

- Remeterato De Si Senstrainable Energy
 - Egyptian R&E Repository
- Medical Applications Elemedicine (Tele-surgery, Tele-radiology, Tele-pathology ..etc)
- ☐ High Speed Computing
 ☐ Astronomyn&aGeophhysics (Solar Research, Seismology, Geomagnetism ..etc)
- Applied Sciences
 - Genetics Engineering
- Digitah Librah Wolferlibrary Loan

 Nanotechnology Applications



Thank You...

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