



Strategies in Brazilian Communications Research Policy



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The Internet and the Information Society

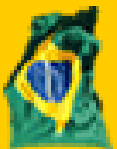
- The current Internet
- ITU: Internet is a crucial infrastructure for reaching social, economic and scientific goals.
- The Internet changed our way of life in society

Internet and Communications Sector

- Internet sheds light on a system of interactions, influences and linkages with the Communications sector such as:
 - Telecommunications infrastructure Operators and Manufactures
 - Content and Services Providers
 - Telecomm Regulatory Bodies and Network standards
 - Networking (services and manufactures)
- Government policies must be developed to harmonize economic growth with a broad set of social and environmental goals.

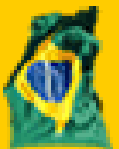
Future of the Internet

- Internet will reach soon its capability limits.
- Questions on how the Internet will develop in the future.
- Problems and big issues for the future of the Internet:
 - Universal access
 - Security
 - Energy awareness
 - International collaboration



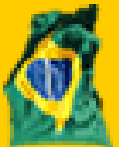
Future of the Internet

- The Future Internet technological innovations will only occur, if their non-technical issues and business potential are taken into account.



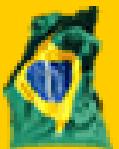
Future of the Internet

- Therefore, socio-economic aspects in the Future Internet is of key importance.
 - Suitable pricing and business models
 - Legal and regulatory issues such as network neutrality, privacy, and digital rights
 - Mobility



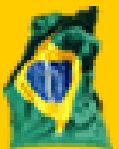
Future of the Internet

- Besides the technical questions, it is expected that Internet will evolve into a global citizenship scenario with sustainability and well-being of the present and future generations.



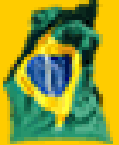
Planned Focus and Activities for Brazilian Government 2007- 2016

- Main points are:
 - National industrial development
 - Decrease digital divide
 - Investments in Telecommunications Infrastructure
 - Broadband universal access (> 1,5Mbps) expansion in 10 years



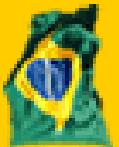
Strategic Instrument - FUNTTEL

- Brazilian Funding for Technological Development of the Telecommunications
 - Promote R&D projects aiming at social-economic development
 - National development using convergence technologies
 - Incentives to develop new technologies to access telecommunication services



Strategic Instrument - FUNTTEL

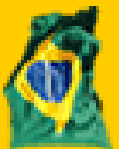
- Priority lines in communications technologies:
 - Optical Communications
 - High Speed Wireless Access
 - SW technologies for Mngm. of Digital Content
 - IP-NGN Service Platforms



FUNTTEL – Future Internet Projects

Support to exploratory and experimental projects for R&D institutions, industry and telecom operators to catalyze discoveries and innovation in the Future Internet:

- **ARCMIP** – ARchitectures for Mobile IP Project
 - Exploring new technologies for Future Internet
 - FUNTTEL/MC - CPqD
- **GIGA** Project
 - Experimental testbed for Future Internet
 - FUNTTEL/MC – CPqD /RNP
- **Horizon** Project
 - Binational project with Brazil (UFRJ, PUC-Rio, Unicamp and Netcenter) and France (Lip6/UPMC, Telecom SudParis, Ginkgo Networks, Devoteam Group and VirtuOR)



Thank you

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