Contribution to WTIM-12 session

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English

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TITLE: ITU Expert Group on Household indicators – Report from the EGH Chair
Session 7 – Measuring ICT access through household surveys
ITU Expert Group on Household Indicators – EGH

WTIM - 10th ITU World Telecommunication/ICT Indicators Meeting
27 September, 2012
Bangkok, Thailand

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Agenda

- Objectives of the EGH Online Forum
- Work in progress of the EGH Online Forum – Statistics on registered members and discussions
  - Revision of existing definitions and core indicators
  - Proposal for new measurement topics and indicators
  - Cross-cutting issues
- Brazilian perspective on ICT Household survey
**Objectives**

- **Recommendation of the 9th ITU WTIM:**
  - Revision of the core indicators and the ITU Manual for Measuring ICT Access and Use by Households and Individuals.

- **ITU set up the expert group:**
  Online Forum EGH in May/2012

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**Objectives**

- **The EGH is expected to review the core indicators on ICT household access and ICT individual use:**
  - Revision of the definitions of some of the indicators in order to keep up to date with the evolution of technologies and services.
  - New topics need to be addressed which might require the definition of new indicators, response categories and/or classificatory variables, in order to reflect recent trends and the strong growth in new applications such as social media and content creation.
A evolução da Internet no Brasil
26 de março de 2009 – São Paulo

EGH Online Forum
Subforuns

- General
- Tutorials and help
- Revision to existing core indicators
- Proposal for new indicators
- Cross cutting issues
- Reference documents

- The EGH Online Forum is operational since May/2012.

45 Countries and 97 Participants

- National Statistical Offices
- ICT Ministries and Telecom Regulatory Agencies
- Organizations from the Partnership
- Academia

97 Experts

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Revisions of Existing Core Indicators

Discussion

- HH1 – Proportion of households with a radio
  - Review current definition to include access to radio via the Internet
  - Devices working condition
- HH2 – Proportion of households with a TV
  - Review current definition to include access to TV via other means or device
  - Indicator on multichannel television
  - Devices working condition
- HH4 – Proportion of households with a computer
  - Definition of computer must be revised to include other devices
- HH6 – Proportion of households with Internet access
- HH7 – Proportion of individuals who use the Internet in the last 12 months
- HH8 – Location of individual use of the Internet in the last 12 months
- HH9 – Internet activities undertaken by individuals in the last 12 months
- HH10 – Proportion of individuals who used a mobile cellular telephone in the last 12 months
- HH11 – Proportion of households with access to the Internet by type of access
- HH12 – Frequency of individual use of the Internet in the last 12 months

Concepts & Definitions

- HH1 – Proportion of households with a radio
  - Keep!
- HH2 – Proportion of households with a TV
  - Keep!
- HH4 – Proportion of households with a computer
  - Definition of computer must be revised to include other devices

Reference Period

- HH7 – Proportion of individuals who use the Internet in the last 12 months
  - Reference period
Proposal for new indicators

- Content Creation (Consider jointly with HH9)
- Finding a job (Consider jointly with HH9)
- Internet security (and quality of service)
- Barriers to Internet access
- ICT Skills
- ICT Expenditure
- Children and Youth Online Protection
- ICT Use by Children and Youth
- ICT Use by Gender
- Access to Electricity
- Social Inclusion with ICT, ICT for People with Disabilities
- Costs

Internet Activities

- Content creation, social interaction and civic participation
  - Consider jointly with HH9 – Internet Activities
  - Countries like Egypt and Brazil have expanded list of activities in the HH9 to include social interaction
- Finding a job

ICT Expenditure

- Household expenditure on ICT
  - Household budget surveys to follow up its consumption on ICT services and devices
Cross-cutting issues

Discussion

- **Age** (Extend-in scope target population to account for children)

- **Urban / Rural** (How to improve reporting)

- **Gender** (Collect information about the household head)

- **Reference period** (Moving from the “In the last 12 months” to a more relevant reference period)

- **Ownership** and **Availability** of ICTs

- **Set reference period** for electronic device in working condition

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**Age**

- The age scope should be emphasized to account separately for children
  - UNSD recommendations on age ranges of individuals

**Urban / Rural**

- Breakdown by urban / rural could be adopted as a classificatory variable to the core indicators
  - Lack of internationally accepted definition
ICT Household Survey in Brazil

Brazilian Households Survey
Cross-cutting issues and new indicators

New Indicators
- Urban / rural
- Reference period
- Internet activities
- Social networks

Extended age population
- Kids aged 5 to 9
- Kids aged 5 to 8
- Kids aged 9 to 16

ICT Kids Survey
ICT Kids Online Survey

2005 2006 2007 2008 2009 2010 2011
ICT Surveys – Expert Groups
Indicators revision

13 ICT Survey projects
54 Organizations
113 Experts

Government and International Organizations
Academic Organizations
Non-profit Organizations

Brazilian Households Survey
Cross-cutting issues and new indicators

- Age (extend in-scope target population to account for children)
  - Use of ICT by children from 5 to 9 years old
  - COP Policies ➔ Ministry of Justice

Online activities
% of children aged 5 to 9 that have already used the Internet

- Online games: 45%
- Information search for school: 29%
- Social Networking: 25%
- Instant Messaging: 10%
- Sending emails: 10%
Brazilian Households Survey
Cross-cutting issues and new indicators

- Reference period - moving from “in the last 12 months” to a more relevant reference period:
  - Urban / Rural measurements
  - Digital inclusion policies → Ministry of Communications
  - ICT Households uses “in the last 3 months”
  - Contributes for the accuracy

Internet Users (% population)

Internet (% Households)

74 million Internet users in Brazil

Brazilian Households Survey
Cross-cutting issues and new indicators

- Content creation (consider jointly with Internet activities - HH9)
  - Investigate more than 30 internet activities since 2005
  - Constant revision (Social networks, Twitter, music download).

Online activities
% of internet users aged 10 years or more

- Sending and receiving email
- Taking part in social networks
- Downloading songs
- Talking to people through programs such as Skype
- Using microblogs, such as Twitter
Barriers to Internet access

- Existing barriers for the internet usage

Reasons for the lack of Internet access in the household
Percentage of the number of households which have computers, but no Internet access

![Graph showing reasons for lack of Internet access.]

- High cost/ Cannot afford
- Not available in the area
- Has access to the Internet elsewhere
- No need/ interest
- Lack of skills/ does not know how to use the Internet
- Low cost to benefit ratio

Internet access expenditure (% of total households with Internet access):

- 22% of Brazilian households pay up to US$ 20 per month for the Internet access.

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Brazilian Households Survey
Cross-cutting issues and new indicators

- Children and youth online protection
  - Access and Usage
  - Activities
  - Risk on harm
  - Sexual Images
  - Sexual Messages
  - Bullying
  - Meeting New People
  - Other Risk Factors

- Probabilistic sample – 2,500 Children and 2,500 Parents
- Methodological issues (customization: cognitive tests)
- Brazilian Universities, Unicef, Unesco, Ministry of Justice

ICT statistics production in Brazil
Evidence-based public policies and academic research

ICT surveys
Comparative core indicators
Nationwide sample surveys combined with qualitative methods

- ICT Households
  - ICT access and use
  - ICT Kids
    - EU Kids Online
  - ICT Education
  - ICT Public Access Centers
- ICT Enterprises
  - Productive sector
  - ICT Internet Providers
  - Infrastructure
  - ICT Health
  - Digital inclusion
- ICT Non-profit Organizations
  - Non-profit sector
  - ICT E-Gov
  - Government sector
- ICT Web
- ICT Broadband
- ICT Security

Internet-based statistics
Automated data collection

Evidence-based public policies and academic research
Public policies formulation and assessment
ICT statistics used by the Brazilian Government

**ICT Surveys in Brazil**
- Methodological rigor
- Accuracy and credibility
- Accessible and interpretable data
- Relevant information

**Evidence-based policymaking**
- Designing
- Monitoring
- Assessment

- Ministry of Communication: Digital inclusion policies.
- Ministry of Planning, Budget and Management: e-Government policies.
- Ministry of Education: Use and adoption of ICT in education policies.
- Ministry of Health: ICT-based applications in the health sector policies.
- Ministry of Justice: Child online protection policies.

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**EGH Online Forum**
Please join the Online Forum

www.itu.int/net4/ITU-D/forums/EGH/

**PLEASE JOIN!**
Thank You!

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Juliano Cappi - juliano@nic.br

ICT Surveys in Brazil are available for download at

www.cetic.br/publicacoes