2015
Annual Report

Cetic.br
Regional Center for Studies on
the Development of the
Information Society

Presentation

In 2015, the Regional Centre of Studies for the Development of the Information Society (Cetic.br) celebrated 10 years of producing statistics and indicators on the use of information and communication technologies (ICT) in Brazil, as well as publishing periodic specialized surveys and reports on the use of ICT by several segments of society. Since 2005, Cetic.br has been measuring the access to and use of ICT in Brazil through the Brazilian Network Information Center (NIC.br).

Throughout this decade, Cetic.br has consolidated its position as a reference center for the production of indicators and statistics on the use of ICT for development and has played an important role in building capacities for using data and statistics for the development, implementation and evaluation of public policies.

Generating updated, sound and internationally comparable statistics provides society with data on the socioeconomic impacts of ICT and contributes to more effective and efficient public policies for the development of the Internet in Brazil.

As a Unesco Category 2 Center for four years, Cetic.br has been developing important capacity-building activities in survey methodologies and ICT measurement in Latin America and Portuguese-speaking countries in Africa. At the regional level, Cetic.br has played an important role in the dissemination of methodologies for ICT statistics and best practices in conducting specialized ICT surveys.

Cetic.br has also developed numerous initiatives in cooperation with government agencies, international organizations, civil society and academia to establish and review ICT indicators to follow the development of the information and knowledge societies, playing an important role in contributing to the debate on the use and adoption of ICT.

In 2015, NIC.br reinforced its support for the work developed by Cetic.br and renewed its commitment to contributing, along with countries in Latin America and Portuguese-speaking Africa, to issues related to monitoring the development of information and knowledge societies, as well as encouraging the exchange of experiences and best practices in the region.

Demi Getschko
CEO
Brazilian Network Information Center (NIC.br)

Introduction

Over the last decade, there have been significant changes in the adoption of the Internet and mobile technologies in the everyday lives of citizens around the world. In Brazil, during that same period, the Regional Centre of Studies for the Development of the Information Society (Cetic.br) has monitored access to and use of information and communication technologies by society, following the social and economic changes caused by digital media. The rapid dissemination of mobile devices, the phenomenon of online social networking, the debate on the abilities demanded by the digital economy, and the understanding of the barriers that prevent more Brazilians from benefiting from the opportunities brought by new digital technology are a few examples of the issues illustrated by the statistics produced by Cetic.br in the Brazilian scenario. Cetic.br follows up on several sectors, including education, health, culture, government, enterprises, households and individuals.

Throughout its history, Cetic.br has gained extensive experience on the adoption of methodological standards proposed by multilateral organizations, among which we highlight: the International Telecommunication Union (ITU), the United Nations Conference on Trade and Development (UNCTAD), the Organisation for Economic Co-operation and Development (OECD), the Statistical Office of the European Communities (Eurostat) and the Partnership on Measuring ICT for Development, a coalition formed by various international organizations. Cetic.br has grown to represent an important voice in international debates about the standardization of indicators and methodological definitions for the production of statistics to measure access to and use of ICT, aiming at producing internationally comparable data.

Throughout the last ten years, Cetic.br has expanded its scope of action and improved its internal processes. Currently, we adopt codes of good practice of official institutions for statistics production. We are continually increasing rigor activities related to sample design and selection, improving control and monitoring of field data collection work, and refining all data processing and validation procedures for continuous improvement in the quality of indicators, statistics and analyses produced. By doing so, Cetic.br has gained legitimacy as a center of excellence in ICT statistics, recognized both nationally and internationally.

Today, Cetic.br manages a set of four annual projects on ICT measurement – on households, education, health and children – and another six projects published on a biannual basis – enterprises, electronic government, nonprofit organizations, internet service providers, public access centers and culture. In addition, ten projects cover the critical areas related to monitoring the development of information and knowledge societies, generating important data to follow up on the goals and objectives of the 2030 Agenda for Sustainable Development set forth by the United Nations.

In the regional context of Latin America and countries in Portuguese-speaking Africa, Cetic.br has established an important line of action aimed at activities related to capacity-building in survey methodology for producing ICT data. Over the last few years, we have increased our ability to organize capacity-building workshops in Brazil and abroad, addressing theoretical and practical concepts of survey methodology, and encouraging researchers, public administrators and representatives of civil society and international organizations to debate and exchange experiences.The workshops have gained an important role in the dissemination of data and in bringing statistics producers and users closer together. In 2015, three capacity-building workshops were organized: two were held in São Paulo, Brazil and one in Maputo, Mozambique. Such events help to foster the debate on the importance of producing ICT indicators for the development of public policies and monitoring information and knowledge societies.

The increasing volume and diversity of the data generated by Cetic.br, along with the growing demand for access to ICT survey databases, has led the Center to develop a dynamic data visualization tool that enables users to consult indicators that are customized to their interests, allowing them to export data in an open format.

The data produced by Cetic.br have been widely used by various segments of society. Within public administration, this information provides important input for developing and monitoring digital inclusion policies. In academic research, the data have become increasingly important in research that addresses the socioeconomic impact of ICT on Brazilian society and on the construction of scientific knowledge on the theme. In the context of civil society and the private sector, the data provide significant input in the assessment of market trends and monitoring.

These are the main accomplishments of Cetic.br as a Unesco Category 2 Center. These achievements represent our commitment to our mission of contributing to building inclusive information and knowledge societies in Latin America and Portuguese-speaking countries in Africa.

Main lines of action

Capacity-building in Survey Methodologies

This line of action focuses on the planning and delivery of capacity-building opportunities related to survey methodology and ICT measurement. This line of action is intended to raise awareness among data producers and users on the importance of statistics in designing and evaluating public policies to foster the development of information and knowledge societies.

Knowledge Center

Producing and sharing information and knowledge are essential strategies for achieving Cetic.br's objectives. This line of action focuses on producing data through specialized ICT surveys and disseminating information on survey methodology, ICT indicator databases, data analyses and publications.

Laboratory of Ideas

Cetic.br serves as a platform for exchanging experiences and encouraging debate among experts and key stakeholders, who come together to discuss emerging issues related to the development of information and knowledge societies, and exchange survey methodologies for ICT measurement.

Culture and Ethics on the Internet

The social dimension of the Internet has drawn attention to topics such as culture and ethics. For this reason, Cetic.br is interested in the intersection of these issues and conducting studies related to Internet use and its social implications.

In 2015 the Regional Center for Studies on the Development of the Information Society (Cetic.br) developed a series of activities in knowledge production and capacity-building in survey methodology. The year's main highlights are presented in this report.
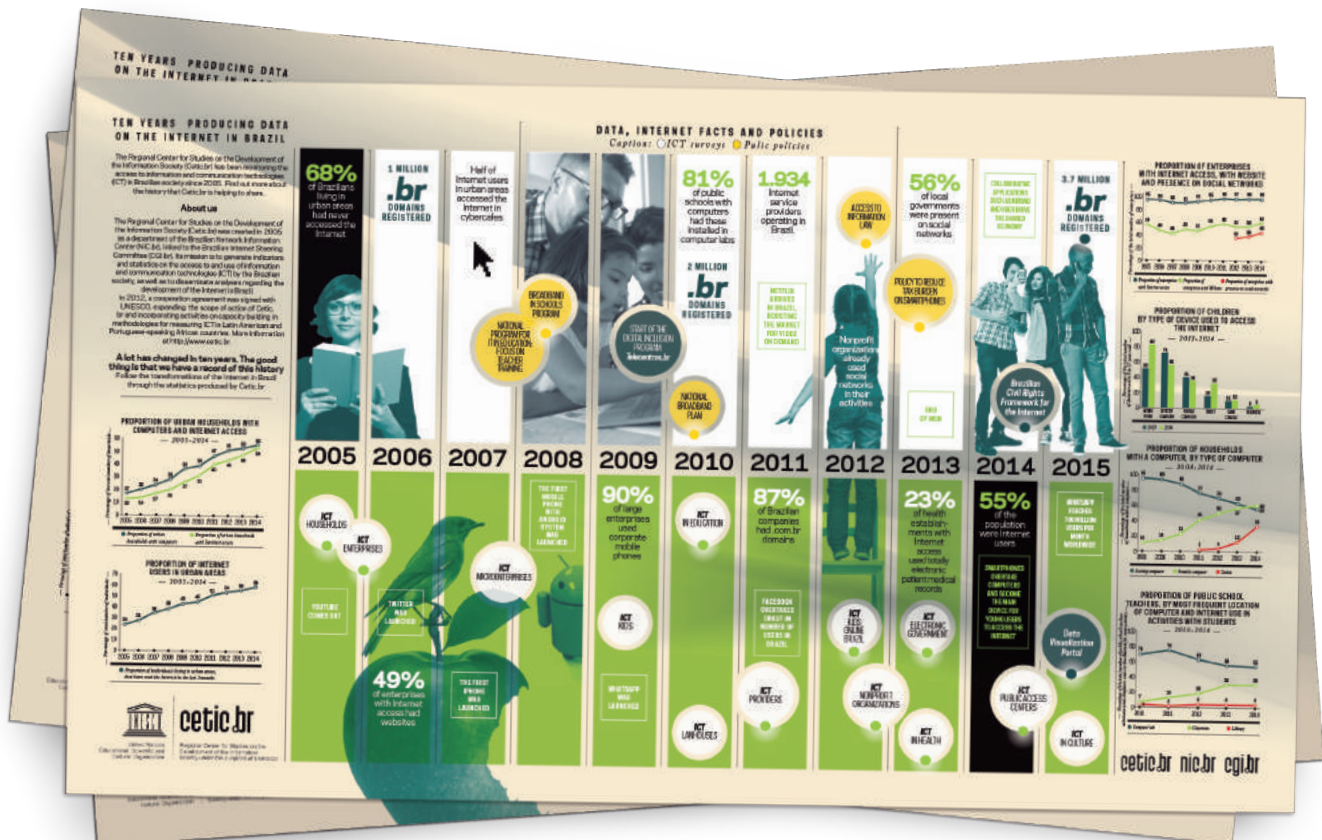
2015 Activities

ICT Surveys

Since its inception, the main focus of activity for Cetic.br has been conducting specialized surveys on the adoption of information and communication technologies in various segments of Brazilian society, and this was also the case in 2015. Throughout the year, Cetic.br published seven books, corresponding to these projects: ICT Electronic Government, ICT Households, ICT Enterprises, ICT Kids Online Brazil, ICT Nonprofit Organizations, and ICT in Health.

Besides the ICT surveys, two editions of Internet Sector Overview Report were published. The first dealt with advertising that targets children and its relationship with technology and explored the data from the ICT Kids Online Brazil survey. The second presented a review of three years of the Brazilian Access to Information Law, utilizing data from the ICT Electronic Government survey.

To celebrate a decade of Cetic.br surveys, a brochure showing its 10-year history and milestones was created and made available both online and in print. The timeline highlights selected data regarding the use of ICT in Brazilian society in the last decade.

In 2015, seven Expert Group Meetings of experts were held, involving more than 150 voluntary experts in the production of data on ICT use by Brazilian society. Four public debates were organized on different occasions launching survey publication, addressing the following topics:

1. ICT Electronic Government: Perspectives regarding the delivery of service and information to people and organizations in Brazil

2. ICT in Health: Trends and challenges for improving the delivery of healthcare to citizens

3. ICT Nonprofit Organizations: The Nonprofit Organization Sector in the Digital Era

4. Ten Years of ICT Surveys: Challenges and perspectives for digital inclusion in Brazil, celebrating the 10th edition of the ICT Enterprises and ICT Households surveys.

A new survey project: ICT in Culture

Cetic.br plans to investigate the relationship between information and communication technologies and the production and consumption of cultural content on the Internet. The project, named ICT in Culture, is in its early stages and uses both qualitative and quantitative approaches to investigating use of technology by people and cultural facilities.

In 2015, two meetings of experts were held with stakeholders from the Ministry of Culture, the Brazilian National Film Agency (ANCINE), Unesco, the Brazilian Institute of Geography and Statistics (IBGE) and the Getúlio Vargas Foudation (FGV-RJ), among other institutions, to discuss the goals, methodology and measurement standards of the ICT Culture project.

Information and Knowledge Societies in Focus

In 2015, activities related to the line of action called the "Laboratory of Ideas" were marked by several meetings with experts and by public debates dedicated to themes relevant to the dialogue among society, public managers and opinion makers. The public debates organized by Cetic.br on the topic of information and knowledge societies are based on ICT survey data and function as transparency and legitimacy mechanisms for the work conducted by the Center. In this context, special mention goes to the four main public debates and the second interministerial meeting organized by the Brazilian Ministry of Communications on public policies that foster ICT use.

ICT E-Government: Perspectives on service and information delivery for individuals and organizations in Brazil

The debate organized by Cetic.br in São Paulo addressed the theme of ICT use by Brazilian public organizations, which addressed topics such as computer and Internet access, IT management, online public services, presence on social networking sites and participation mechanisms.

The debate panel was composed of Andrea Thalhofer Ricciardi (Ministry of Planning, Budgeting, and Management), Cristiano Ferri Faria (Chamber of Deputies), José Carlos Vaz (University of São Paulo), Maria Alexandra Cunha (Getulio Vargas Foundation), with the mediation of Lidia Brito (Director of the Regional Office for Science for Latin America and the Caribbean).

That debate reinforced the importance of collecting data on electronic government, considering that since 2005, the ICT Households and ICT Enterprises surveys have presented indicators on the use of electronic services from the viewpoint of the demand side. In 2010, the first edition of ICT E-Government investigated how citizens and enterprises demanded services from the sector. Later, in 2013, the survey focused on analyzing the delivery of services by Brazilian public organizations, based on parameters that allow for comparing indicators between different countries, thus investigating the supply side of electronic government.

The survey represents the largest and most complete national study on the theme. To this end, representatives from all levels of government were interviewed about ICT infrastructure and management, public services in digital media, availability of information on the Internet, and communication and participation on the Internet.

Trends and challenges for improving the delivery of healthcare to citizens

In its second edition, the ICT in Health survey investigated the adoption of information and communication technologies in healthcare facilities and the appropriation of these resources by health professionals. The indicators and the publications, which present an analysis of the survey results, were launched at the 15th World Congress on Health and Biomedical Informatics (MEDINFO 2015), carried out in August 2015 in São Paulo.

During the event, there was a debate on the theme "ICT in Health: Trends and challenges for improving the delivery of healthcare to citizens," mediated by Professor and Doctor Heimar de Fátima (Federal University of São Paulo). The debate featured participation by Daniel Sands (Harvard Medical School), David Novillo Ortiz (Pan American Health Organization), Beatriz de Faria Leão (Brazilian Health Informatics Association) and Giliate C. Coelho Neto (DATASUS/Ministry of Health).

ICT Nonprofit Organizations: The Nonprofit Organization Sector in the Digital Era

The ICT Nonprofit Organizations 2014 survey was launched in October 2014 at an event organized in partnership with the Brazilian Bar Association (OAB – SP). The debate, called "The Third Sector in the Digital Era," presented discussions regarding the use of ICT by nonprofit organizations, and featured participation by Alexandre Barbosa, manager of Cetic.br; Carlos A. Afonso, director of the Nupef Institute, member of the CGI.br Council and president of the Brazilian chapter of the Internet Society; Marcelo Estraviz, president of the Doar Institute; and Cláudio Ramos, from the OAB/SP NonProfit Rights Committee.

The survey was published in January 2015, and the indicators showed that the use of social networking sites has been disseminated as an important tool for the work of Brazilian nonprofit organizations. The study also revealed that a significant number of organizations do not own their own equipment, which suggests that, in many cases, work is carried out on the personal devices of their members and volunteers.

ICT Households, ICT Enterprises, ICT in Education and ICT Kids Online Brazil: "Ten years of ICT research: Challenges and perspectives for digital inclusion in Brazil"

In November 2015, Cetic.br sponsored an event to launch ICT Households 2014, ICT Enterprises 2014, and ICT in Education 2014 and ICT Kids Online Brazil 2014. This event was also a celebration of ten years of producing ICT statistics in Brazil. Sonia Jorge, executive director of the Alliance for Affordable Internet, emphasized the contribution of ICT in the international scenario with her presentation "Unveiling realities, demystifying perceptions: measuring progress for the sustainable development goals."

Next, Rogério Santanna (former Counselor for CGI.br), Flávio Wagner (Federal University of Rio Grande do Sul), Flávia Lefèvre (PROTESTE Brasil) and Eduardo Parajo (Brazilian Association of Internet Access Providers) participated in the debate "Ten years of ICT research: Challenges and perspectives for digital inclusion in Brazil", mediated by Professor Eduardo Diniz (FGV-SP).

2nd Interministerial Meeting – Ministry of Communications

For the second consecutive year, Cetic.br met with representatives of government organizations, researchers, academics, and members of civil society to discuss the challenges faced by policies on information and communication technologies. This second event reinforced the importance of promoting dialogue among federal government representatives, academics and data producers such as Cetic.br, emphasizing the relevance of reliable data to feed the process of formulating and monitoring public policy.

During the gathering, speaker Cezar Alvarez, doctor of education and sciences, presented the survey results on the One Laptop per Child program. The first event panel addressed "The role of the Internet in promoting basic education in Brazil," and its initial reflections were based on the presentation of Cetic.br's ICT in Education survey data. The other panelists were Artur Coimbra (Ministry of Communications), Marcos Toscano (Ministry of Education), Daniela Caldeirinha (Lemann Foundation) and Luiz Kubota (Institute for Applied Economic Research). They discussed actions to broaden the use of ICT in the educational environment and advance the quality of broadband connections provided to education institutions.

The ICT E-Government survey provided input for the second panel, which was based on the theme "ICT and Creative Digital Contents as tools to boost the evolution of E-Government supply." Moderated by James Marlon Azevedo Gorgen (Ministry of Communications), the panel was composed of Américo Tristão Bernardes (Ministry of Communications), Andrea Ricciardi (Ministry of Planning), José Carlos Vaz (University of São Paulo - USP), Maria Alexandra Cunha (Getulio Vargas Foundation, São Paulo – FGV-SP) and Leonardo Barbosa Germani (Ministry of Culture). The panelists analyzed the importance of defining standards and establishing interoperable systems for online service delivery, public consultations in the digital environment, and the development of management systems that consider the needs and specificities of municipalities.

Capacity-Building

In 2015, capacity-building activities showed the relevance of Cetic.br's role in the context of discussing evidence-based public policies, reinforcing the growing importance of promoting opportunities for discussion between data producers and users on ICT methodologies. The workshops also showed the relevance of partnerships among important institutions in the ICT data production ecosystem, such as Cetic.br, national statistics institutes, ministries and regulating organizations, and international organizations, which add to the Center's efforts to value reliable ICT data produced based on international methodologies.

V NIC.br Annual Workshop on Survey Methodology

The fifth NIC.br Annual Workshop on Survey Methodology was carried out in May 2015, in São Paulo, Brazil, bringing together approximately 60 representatives from academic, government and international organizations. The event takes place every year with the goal of creating opportunities for discussion and capacity-building on theoretical and practical concepts in survey methodology, stimulating debate and exchange of experiences among researchers, public administrators and representatives from civil society and international organizations.

The event focused on the challenges and importance of the data for the design of public policies. The opening lecture by Sonia Jorge, executive director of the Alliance for Affordable Internet, addressed the relevance of evidence-based public policies.

The program also included a short course by Alison Gillwald, executive director of Research ICT Africa, who shared research strategies and methodologies that have resulted in data for public policy, in addition to an analysis of the regulatory environment in the sector, with examples from African countries such as South Africa, Ghana, Mozambique, and Kenya. Frédéric Bourassa, from the Organisation for Economic Co-operation and Development also shared that organization's experience with collecting and analyzing data for the design of ICT-related policy.

In the last two days, the event focused on techniques related to qualitative research design and data analysis. In this event, Liz Spencer, consultant, described in detail the main methods and techniques used for the necessary planning and preparation of qualitative research projects.

Workshop on ICT indicators in Mozambique

The second edition of the Capacity-Building Worshop on ICT Survey Methodology took place in Maputo, Mozambique in July 2015. The workshop was organized by Cetic.br and the Alliance for Affordable Internet, through a partnership with the Mozambique Science, Innovation, Information and Communication Technology Research Institute (SIITRI) and the National Communications Institute of Mozambique (INCM). The event featured the participation of representatives from the academia, government, and the private sector of Mozambique.

The purpose of the second edition was to work with indicators to measure access to and use of information and communication technologies in Mozambique. The event included a lecture in Adis Abeba (Ethiopia) by Marcelino Tayob, a senior consultant with the International Telecommunication Union, describing the institution's view regarding the collection of key ICT indicators. Cetic.br contributed with the Brazilian experience on the collection of ICT indicators.

Furthermore, the group was encouraged to discuss relevant ICT indicators for the Mozambican context, with the goal of producing statistics on digital inclusion for policymaking. The group highlighted topics such as ICT in schools, infrastructure and women's use of ICT. Finally, Dr. Cassiano Soda Chipembe, Director of Demographic, Vital and Social Statistics of the Mozambique National Statistics Institute, presented an overview of the 2017 census with emphasis on ICT issues, which encouraged discussion among participants.

Regional Workshop on ICT in Health

In November 2015, the *Taller de capacitación: Aplicación del Módulo TIC del Sector Salud* (Workshop: Application of the ICT Module to the Health Sector) took place in São Paulo, Brazil. The event was organized by Cetic.br, the Pan American Health Organization (PAHO), the World Health Organization (WHO), the Commission Statistical Conference of the Americas (CEA), the Economic Commission for Latin America and the Caribbean (ECLAC), and the ICT Measurement Working Group of the CEA.

The workshop brought together 25 participants representing ministries of health and national statistics institutes in Argentina, Brazil, Chile, Colombia, Cuba, Guatemala, Mexico, Panama, Peru, Venezuela, Dominican Republic and Uruguay. The goal of the workshop was to present the methodological guideline and questionnaire "ICT Module for measuring access to and use of ICT in health," approved in 2014.

Several discussions regarding the ICT Module took place during 2013, which represents a model that countries in Latin America can use to measure the adoption of technology in health facilities. The approval phase took into consideration experience gained by Cetic.br in conducting the ICT in Health 2013 survey, which served as a pilot for the model proposed by the Organisation for Economic Co-operation and Development.

Exchanging Experiences

The surveys conducted by Cetic.br are aligned with the methodological guidelines and parameters established by international organizations that measure and analyze ICT statistics, allowing for international comparability. These parameters are constantly reviewed and discussed by the international community so that indicators will adequately reflect the context in which ICT is inserted. In 2015, Cetic.br participated in important debates on measuring ICT, particularly in the fields of ICT and Health, Education, Households, Electronic Commerce, Digital Economy and Electronic Government.

ICT in Health Indicators

Regarding the measurement of ICT use in the health field, in addition to activities related to the ICT in Health survey, Cetic.br participated in international collaboration activities. Adding to the effort already made to define comparable indicators regarding ICT adoption in the health field in Latin America, Cetic.br met with AGESIC (Agencia para el Desarrollo del Gobierno de Gestión Electrónica y la Sociedad de la Información y del Conocimiento, a government organization in Uruguay) and the Salud.uy program, which works with the government to strengthen local health with support for intensifying technology adoption.

At the meeting, the groups shared the methodological experiences gained by conducting the ICT in Health survey in Brazil and Uruguay, aiming at working together to develop studies and investigations of the topic in that region. The discussion revealed potential paths to strengthen data collection in other Latin American countries.

ICT in Education Indicators

Regarding the measurement of ICT use in education, besides the activities related to the ICT in Education survey, Cetic.br participated in important national and international events in the field. In the international context, special mention goes to the event organized by Unesco and headquartered in Nairobi, Kenya, the "Unesco Colloquium on ICT and Teacher Training," held in November 2015. The goal of the event was to debate the principles of the Qingdao Declaration and its implementation in East African countries, taking into consideration goals 4 and 9 of the sustainable development goals relative to education and innovation. The event gathered approximately 80 representatives from five countries: Kenya, Uganda, Seychelles, Mauritius and Tanzania, in addition to intergovernmental organizations, non-government organizations, foundations, and private sector representatives in the region.

Conference participants emphasized the importance of efforts directed toward measuring the impact of teacher training on the use of ICT. Cetic.br contributed to the debate with a presentation on the methodology used for the ICT in Education survey in Brazil. Other relevant experiences from various African countries were also shared, promoting reflection on the importance of measurements based on comparable indicators.

Cetic.br also participated in the seminar "Challenges for the construction of public policy in Education and ICT," conducted in Bogota in November 2015. This event was organized by the Colombian Ministry of Education and Unesco. The objective of the meeting was to gather experiences of Latin American countries in formulating policies for ICT in education. Cetic.br contributed to the debate with a presentation about the measurement of the impact of ICT in Brazilian schools, based on data from ICT in Education, a survey conducted since 2010 by the Center.

Cetic.br was also present at the "International Forum for Partnerships on the Qingdao Declaration," an event organized by Unesco and headquartered in Qingdao, China, in December 2015. The purpose of this international forum was to discuss the creation of a global alliance and a plan of action for implementing the Qingdao Declaration. The meeting also mapped out partnership opportunities for reaching the international goals set for 2030 within the scope of ICT in education. The participation of Cetic.br at the event reinforces the Center's commitment to the dissemination of common strategies for monitoring and assessing data about ICT in education at an internationally comparable level.

ICT in Households Indicators

The mission of the Expert Group on ICT Household Indicators (EGH) is to gather representatives from various countries to discuss indicators for measuring ICT in households. Moderated by Cetic.br's manager, Alexandre Barbosa, the group has exchanged experiences since 2012 about ICT indicators via an online forum and meets in person once a year to consolidate the results of these discussions.

The third face-to-face meeting of the EGH took place in Geneva, Switzerland, in September 2015 and was attended by 94 representatives from national statistical offices, regulatory agencies, international organizations and the private sector. The meeting was organized by the Telecommunication Development Bureau of the International Telecommunication Union to discuss indicators related to barriers to Internet access by households and individuals, barriers to the ownership of mobile devices, and ICT employment. Representatives also exchanged national experiences related to data collection, verification and dissemination.

The conclusions of the Geneva meeting were presented at the World Telecommunication/ ICT Symposium, in November 2014, in Hiroshima, Japan. The event included the dissemination of new indicators to be collected by countries starting in 2016, namely: proportion of households without Internet, by reason, and proportion of individuals who do not use the Internet, by reason. At the Symposium, participants recognized the need to increase the availability of ICT statistics, especially those related to indicators related to the sustainable development goals.

E-commerce Indicators

Cetic.br participated in the international workshop called "Toward a thriving digital economy era," organized by the United Nations Conference on Trade and Development (UNCTAD) in October 2015, in Bangkok, Thailand. The goal of the event was to facilitate sharing of experiences about the production of statistics and indicators for measuring electronic commerce, in order to identify good practices and international methodologies for the production of internationally comparable indicators.

The event was part of the UNCTAD initiative for providing technical assistance to the Thai Electronic Transactions Development Agency (ETDA). Cetic.br shared its experience measuring electronic commerce in the ICT Enterprises survey, conducted in Brazil since 2005, and contributed with the lessons learned over the decade of the survey's existence. The theme debated at the event was also included in the 2015 UNCTAD report on the information.

Digital Economy Indicators

Since 2010, Cetic.br has participated in meetings of the Working Party on Measurement and Analysis of the Digital Economy (WP-MADE), held at the headquarters of OECD. The group was created to exchange experiences about tools and methodologies for the production of data that serve as input for public policies related to the digital economy and assess their contribution to society and economic performance. In the meeting held in November 2015, Cetic.br shared with a group of experts the Brazilian experience of implementing the OECD pilot model for measuring ICT in the health sector. Other highlighted topics at the meeting included e-waste, ICT skills for employment, new forms of work in the digital economy, occupations connected to the ICT sector.

ICT Kids Online Indicators

In July 2015, Cetic.br hosted the first meeting of experts in Latin America to discuss possibilities for producing Latin American indicators on the use of ICT by children. The event was marked by the exchange of national and international experiences and gathered 20 participants from Brazil, Argentina, Uruguay, Chile and Ecuador, representing national and international academic organizations and institutions related to the topic of child protection, such as Unicef and Unesco. Representatives from EU Kids Online, the European network responsible for conducting studies on the theme since 2006, were also present at the event.

Cetic.br contributed to the debate on the complexity of adapting the European material and conducting the ICT Kids Online Brazil survey, sharing the lessons learned with its regional partners. The effort to create a Latin American network of researchers reinforces the Center's mission of promoting comparable studies in the region based on a common methodology.

ICT Electronic Government Indicators

Cetic.br participated in the second round of workshops of the 18th Judicial Summit in May 2014 in the city of Bogota, Colombia. The workshop, called "Efforts to consolidate legal security, peace culture, and social development," was attended by representatives from ministries and judges representing supreme courts and judicial councils from 12 Latin American countries. The Center actively participated in the exchange of experiences about initiatives to promote greater transparency and access to public information and contributed to the debate by presenting its methodology for the ICT E-Government survey.

Internet Governance Forum

The tenth Internet Governance Forum, held in João Pessoa, Brazil, in November 2015, focused on the theme "Evolution of Internet Governance: Empowering sustainable development." The event represents a multistakeholder, democratic and transparent forum and serves as a platform for debates on policy issues relative to important elements of internet governance. Cetic.br organized and coordinated a workshop called "Indicators to promote evidence-based policy-making."

Strengthening Networks

Partnerships and cooperation agreements are essential to carry out and constantly improve Cetic.br's activities. In 2015, the Center sought to continue strengthening and broadening the networks that contribute to this work.

Cetic.br's ICT surveys rely on the contribution of a large network of experts who voluntarily collaborate in the planning of projects and the analysis of the results. Each survey has a corresponding group of experts, which includes representatives from the government sector, academia, civil society organizations, international organizations and civil society. This multistakeholder group of experts confers greater legitimacy on the research process and adds even more rigor and transparency to the different steps of data production.

In 2015, new agreements were signed with government agencies, academia and international organizations for access to and use of micro-data from the surveys produced by Cetic.br. Academic institutions are a key part of the production of analyses and work about ICT access and use in different segments of Brazilian society.

Publications

Renewing the knowledge societies vision for peace and sustainable development

In accordance with its mission to contribute to the construction of inclusive information and knowledge societies in Latin America and African Portuguese-speaking countries, in 2015, Cetic.br translated the book "Renewing the knowledge societies vision for peace and sustainable development" into Portuguese and English. The book provides important input on topics discussed at a Unesco event in Paris in 2013 regarding the 10 years of the World Summit on Information Society (WSIS +10).

The Portuguese and Spanish electronic versions of the book are available on the Cetic.br website (in two formats: pdf and epub), providing enjoyable reading on computers, mobiles, tablets and any other e-book readers. The Portuguese version also had a printed edition.

The launch event for the Portuguese version took place in April 2015, and featured the presence of Professor Gaëtan Tremblay, from Université du Québec à Montréal, co-author of the book with Professor Robin Mansell of the Department of Media and Communication of the London School of Economics and Political Science. The launch took place during the event "Knowledge Societies Today: International Debate Cycle," organized by the Unesco Office in Brazil.

The ICT Households survey has been conducted annually since 2005, with the goal of measuring the use of ICT by the Brazilian population 10 years old or older.

The ICT Enterprises survey measures the ownership and use of ICT in Brazilian enterprises with 10 or more employed persons.

Since 2010, the ICT in Education survey has assessed ICT infrastructure in schools in urban areas and ICT appropriation in educational processes.
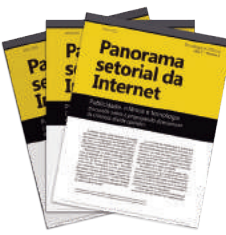
Since 2013, the ICT in Health survey has investigated the stage of ICT adoption in Brazilian healthcare facilities and their appropriation by healthcare professionals.

Aimed at mapping potential online risks and opportunities among children aged 9 to 17, the first edition of ICT Kids Online Brazil was published in 2012. The survey provides indicators on how children access and use the Internet, and aims at understanding the perceptions of children and their parents and legal guardians on online safety.

In 2014, the second edition of the ICT Nonprofit Organizations survey continued to investigate ICT access, use and appropriation by nonprofit organizations such as trade unions, associations, foundations and religious organizations in Brazil. The survey aims at understanding the impact of ICT on the work of these organizations and on their relationships with the communities in which they operate.

The Internet Sector Overview Report addresses topics related to the access to and use of technology in different sectors of society based on data from the ICT surveys by Cetic.br. In 2015, two editions were published: the first on advertising targeted at children and its relationship with technology; and the second on the Brazilian Access to Information Law.

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