Promoting open knowledge on the impacts of digital transformation on society

Dubai | 19 November 2024

3rd UNESCO World OER Congress
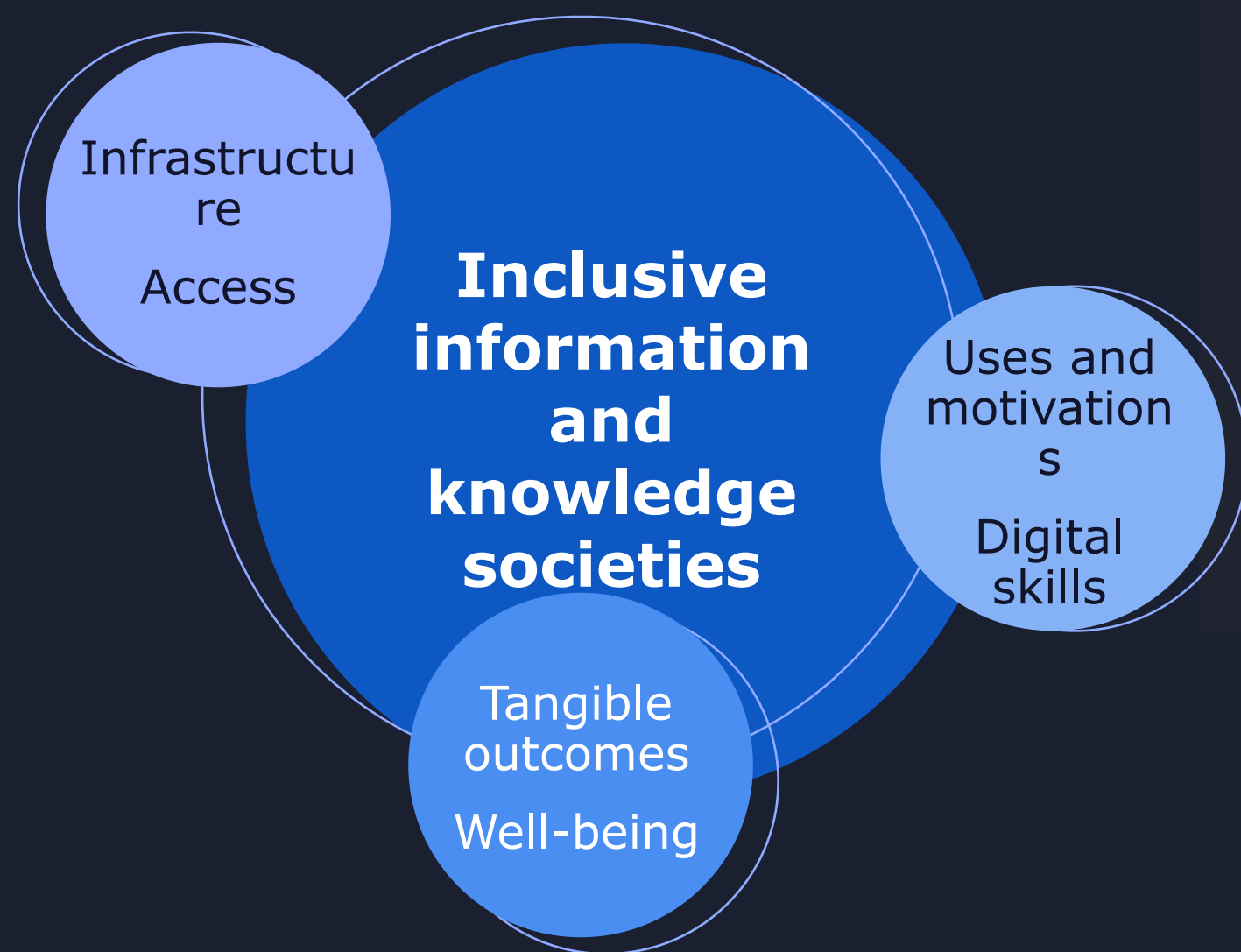
unesco
Centre
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Regional Center for
Studies on the
Development of the
Information Society

nic.br
Brazilian Network
information Center

cgi.br
Brazilian Internet
Steering Committee

Agenda

» Cetic.br | NIC.br: Objective and work scope

» Main areas of activity

» Promoting open knowledge on ICT

» Sustainable financing model

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

Cetic.br's mission is to **produce studies, data and knowledge** about the opportunities, challenges and impacts of the digital transformation of society.

Infrastructure

Access

Inclusive information and knowledge societies

Uses and motivations

Digital skills

Tangible outcomes

Well-being

As a **UNESCO Category 2 Center**, Cetic.br also works in partnership with countries in Latin America and the Caribbean, and with Portuguese-speaking countries in Africa.

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

Knowledge center on ICT data production

Main areas of activity:

Capacity-building

Laboratory of ideas & methodological innovation

Assessment of ICT impacts on society

2024 SURVEY PROJECTS AND PUBLICATIONS

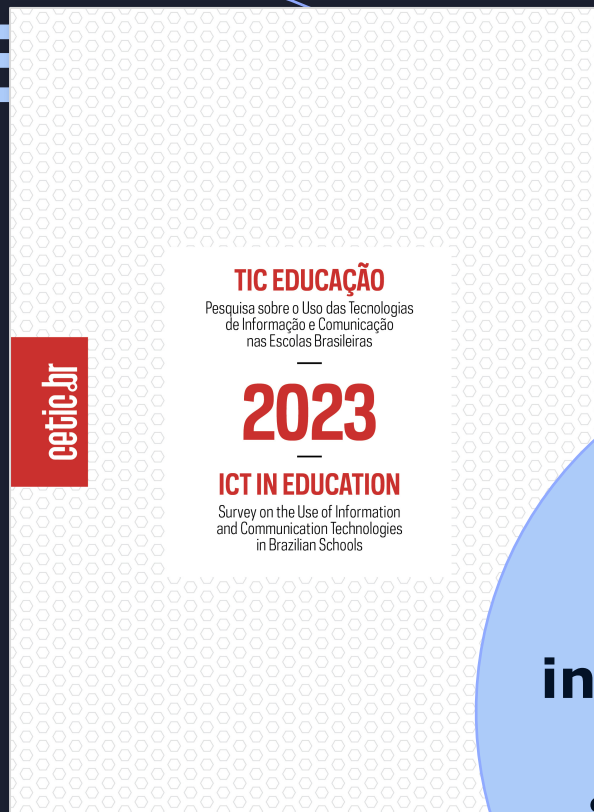» **ICT standalone annual surveys**

» **Sectoral qualitative and quantitative studies**

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Survey on the use of information and communication technologies in the Brazilian schools – *ICT in E...*

TIC EDUCAÇÃO
Pesquisa sobre o Uso das Tecnologias de Informação e Comunicação nas Escolas Brasileiras

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2023

ICT IN EDUCATION
Survey on the Use of Information and Communication Technologies in Brazilian Schools

Since 2010, more than **150,000 interviews** have been carried out with students, teachers, director of studies and school managers.

OBJECTIVE

Investigate **access to, and use and appropriation of ICT** in Brazilian public and private schools that offer Primary and Secondary Education, in relation to the use of these resources in teaching and learning activities and in the school management.

DATA COLLECTION

Face-to-face interaction (computer-assisted personal interviewing - CAPI) and telephone interviews Computer-assisted telephone interview (CATI)

TARGET POPULATION

Public and private schools, located in urban and rural areas, which offer classes in regular primary and secondary education. **Director of students** and **school managers** who work in these institutions. Primary and secondary school **students** and the **teachers** who teach for these classes.
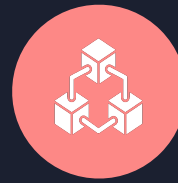
COVERAGE

National

TIME SERIES

Since 2010

Survey on the use of information and communication technologies in the Brazilian schools – *ICT in Education*

TIC EDUCAÇÃO
Pesquisa sobre o Uso das Tecnologias de Informação e Comunicação nas Escolas Brasileiras

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2023
—
ICT IN EDUCATION
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MODULES

Connectivity and ICT infrastructure in schools [**meaningful connectivity**]; Connectivity and ICT infrastructure outside school; School Management Systems 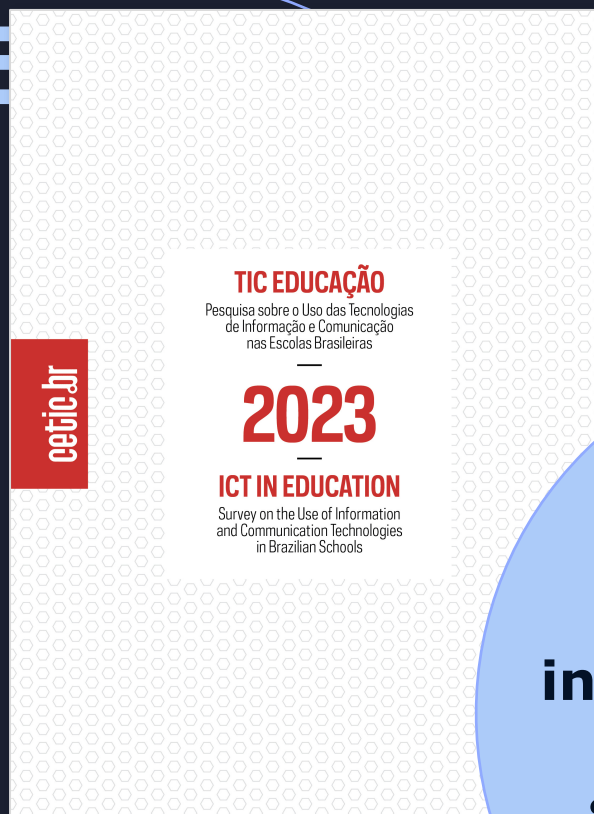and **data for learning**; **Educators training**; Digital educational resources [**OER, educational platforms and AI systems**]; Digital curriculum; **Digital skills** [Media and Information Literacy, Data/IA literacy, and Computational thinking]; **Digital citizenship**; **Data security**

All indicators allow for disaggregation by:

Students, teachers, directors of studies and school administrators

- Sex
- race or color
- age group
- level of education
- area of knowledge [teachers]

Schools

- administrative region
- area [urban and rural]
- location [capital or non-capital cities]
- administrative jurisdiction
- level of education offered
- size

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Main areas of activity:

- Knowledge center on ICT data production
- **Capacity-building**
- Laboratory of ideas & methodological innovation
- Assessment of ICT impacts on society

Thematic workshops & technical support
» Workshops in the areas of meaningful connectivity, education, health, children online, & e-gov
» Technical support for UNESCO's Internet Universality Indicators

Capacity-building programs & MOOCs

School of Digital Transformation and Innovation in Latin America and the Caribbean 2023 – Sep 30th to Oct 4th

Cetic.br • ECLAC • CAF • Datasphere Initiative • CTI

Tech for good: The role of ICT in achieving the SDGs
Free MOOC (since 2018)

Cetic.br • UNESCO • SDG Academy

Artificial intelligence and the rule of law
Free MOOC (since 2021)

Cetic.br • UNESCO • The Future Society

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» Calculation and evaluation of the new proposed **digital skills** indicators and **Global Cybersecurity Index** (GCI) (ITU)

» **Web panel survey** on **e-waste** to understand and evaluate different proposed questions (ITU)

» **Web scraping** of Brazilian enterprises websites to produce and compare **e-commerce statistics** from traditional surveys

» Study on how to weight **non-probability sampling** connected to administrative records

» Study of new methodologies for **small areas** based on differential weighting methodologies

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» **Methodological guides in education, children and inclusion**

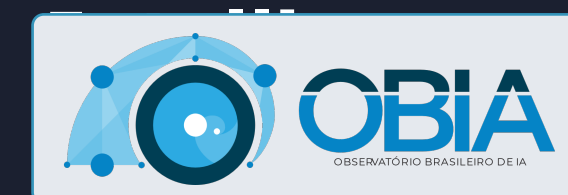» **ITU/UNESCO Broadband comission for**

» **Supporting the preparation of policy briefs and regional consultati**

» **OBIA – Brazilian Observatory on Artificial**

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An open knowledge-based work

The 2019 UNESCO Recommendation on Open Educational Resources (OER)

Capacity building

- **Developing supportive policy**

- **Effective, inclusive and equitable access to quality OER**

- **Nurturing the creation of sustainability models for OER**

- **Fostering and facilitating international cooperation**

PRACTICES ADOPTED BY CETIC.BR

Adoption of **open licenses**

Work based on **collaboration with stakeholders**

Provision of support and **training opportunities** for public policy makers

Indicators widely used in the formulation of **public policies**, especially educational ones

Free access to courses, research tools, and publications

Adoption of a **multisectoral approach** in indicator production processes

Promotion of societal debates on human and digital rights

Support for monitoring the achievement of the **Sustainable Development Goals (SDGs)**

Offering opportunities for society to participate in the **creation, access, reuse, repurposing, adaptation, and redistribution of resources** produced by Cetic.br

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Sustainable financing model

1995
The Brazilian Ministry of Science and Technology and the Ministry of Communications create the **Brazilian Internet Steering Committee (CGI.br)**

2003
Brazilian Network Information Center (NIC.br) was established

2005
NIC.br become responsible to manage **the ".br" domain name registration**

2005
Cetic.br was established as a NIC.br's research center, responsible by the production of statics and studies on ICT.

THE BRAZILIAN NETWORK INFORMATION CENTER (NIC.BR)

» Coordinate and integrate Internet-related initiatives in Brazil

» Six research centers on the quality of the access of Internet in Brazil

» More than 130 domain categories: org.br, edu.br, gov.br, eng.br, rio.br etc.

» More than 5,3 million assigned names (6th largest country code top-level domain – ccTLD)

» **Annual fee of BRL 40 (BSD 7.5)**

» Revenues finance all activities and

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Thank you!

Daniela Costa
(ICT in Education coordinator)

danielacosta@nic.br

www.cetic.br