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—
15 Years
ICT Surveys

SMART SUSTAINABLE CITIES AND FRONTIER TECHNOLOGIES IN LATIN AMERICA



CHALLENGES FOR MEASURING SMART CITIES | LAUNCH OF PUBLICATION

Alexandre Barbosa
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Regional Center for Studies on the
Development of the Information
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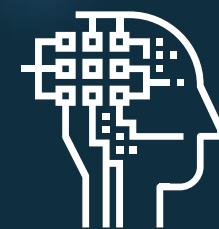
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ABOUT CETIC.br

The Regional Center for Studies on the Development of the Information Society

(Cetic.br) has the mission of producing ICT statistics.



1. KNOWLEDGE CENTER ON ICT-DATA PRODUCTION



- ICT public statistics
- Statistics for the SDGs
- Disaggregated data
- Qualitative studies



2. CAPACITY-BUILDING METHODOLOGIES FOR THE PRODUCTION AND USE OF ICT-STATISTICS



3. LABORATORY OF IDEAS & METHODOLOGICAL INOVATION



4. MEASUREMENT OF IMPACTS OF ICT IN SOCIETY, PRODUCTION OF STRATEGIC RECOMENDATIONS & POLICY BRIEFS



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ICT SURVEYS & STATISTICS PRODUCTION IN BRAZIL

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INTERNATIONAL METHODOLOGICAL FRAMEWORKS



- Households
- Kids Online
- Education
- Health
- Enterprises

- E-government ← LOCAL GOVERNMENT
- Cultural Facilities
- Non-Governmental Organizations
- Internet Service Providers
- Public Access Centers

DESIGN & MONITORING: NATIONAL ICT POLICIES AND INTERNATIONAL AGENDA



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DIGITAL POLICY PRIORITIES: CHALLENGES FOR MEASURING DIGITAL TRANSFORMATION

DIGITAL POLICIES DEVELOPMENT

EXISTING DATA GAPS

Data gaps are getting bigger as the demand for policy data increases and digitally-intensive businesses grow

- AI, big data, IoT, robotics, block chain
- **Smart & Sustainable Cities**
- Digital (AI-related) skills & jobs
- Trust in the digital environment: security, privacy & data protection
- Digital government, etc.

DIGITAL TECHNOLOGIES ADOPTION & DIFFUSION



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DIGITAL POLICY PRIORITIES: CHALLENGES FOR MEASURING DIGITAL TRANSFORMATION

DIGITAL POLICIES DEVELOPMENT

EXISTING DATA GAPS

**MEASUREMENT
FRAMEWORKS & TOOLS**

+

DATA COLLECTION

+

DATA USE & ANALYSIS

New concepts,
definitions, dimensions
and indicators

New (disruptive) methods
for data collection and new
data sources

(New) data literacy,
data-driven decision
making and data
analytics

**DIGITAL TECHNOLOGIES
ADOPTION & DIFFUSION**



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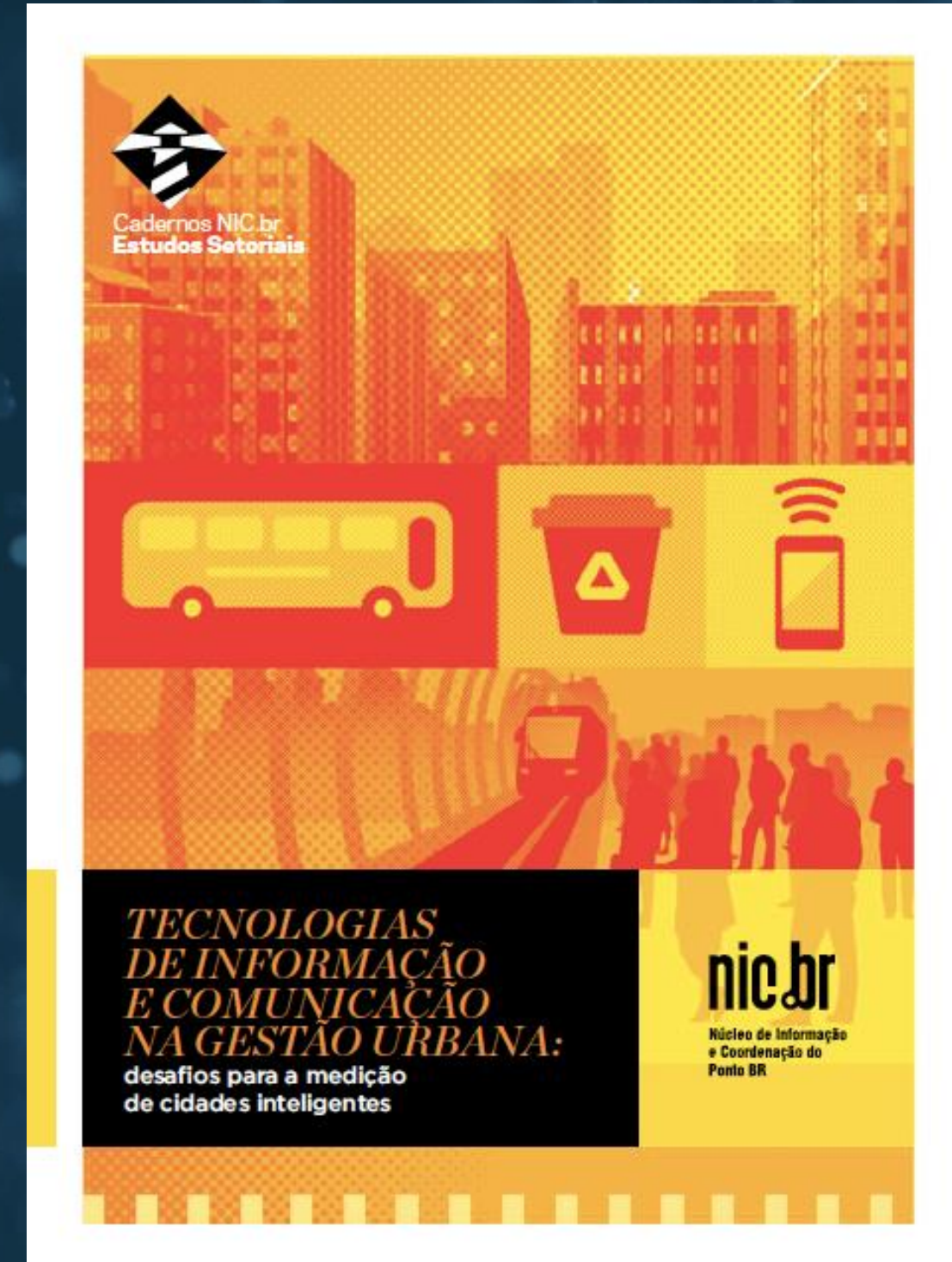
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ICT IN URBAN MANAGEMENT: CHALLENGES FOR MEASURING SMART CITIES

- **PRESENTATION** Demi Getschko (NIC.br)
- **PROLOGUE** Cristina Bueti (ITU-T)
- **INTRODUCTION** Cetic.br|NIC.br
- **CHAPTER 1** – Electronic government and the roads towards smart cities: Differences and inequalities in the adoption and use of ICT by municipalities in Brazil
Javiera F. Medina Macaya, Manuella Maia Ribeiro and Winston Oyadomari (Cetic.br|NIC.br)
- **CHAPTER 2** – Measures of smart and sustainable cities: from global to local
Judy Backhouse and Soumaya Ben Dhaou (UNU-EGOV)
- **CHAPTER 3** – The experience of extending the smart city maturity model and indicators to an emerging country
Erico Przeybilovicz, Vitor Bukvar Fernandes, Clarissa Fernanda Correia Lima Loureiro, Márcia Regina Martins Martinez and Luísa Paseto (CTI/poli.TIC)
- **CONCLUSION** – Public policy recommendations
Maria Alexandra Cunha (FGV EAESP)



Available for download at
<https://www.cetic.br/pt/publicacoes/indice/estudos-setoriais/>

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Obrigado!

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Thank you!

¡Gracias!

Merci!

Спасибо!

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谢谢！



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