

SHAPING SMARTER AND MORE SUSTAINABLE CITIES: STRIVING FOR SUSTAINABLE DEVELOPMENT GOALS

The importance of ICTs for both fostering and monitoring smart and sustainable cities



United Nations
Educational, Scientific and
Cultural Organization

cetic.br

Regional Center for Studies on the
Development of the Information
Society under the auspices of UNESCO

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Brazilian Network
Information Center

egi.br

Brazilian Internet
Steering Committee

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New York, NY | July, 12th 2018

ABOUT CETIC.BR

13 YEARS OF PRODUCING ICT DATA FOR POLICYMAKING AND RESEARCH



Multistakeholder
model for Internet
Governance in Brazil

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registro.br

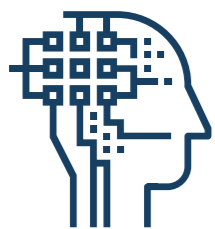
36th General Conference
approves Cetic.br as a
UNESCO Category II Center

MOOC: ICTs
and the
SDGs



Fonte: CGI.br/NIC.br (2018)

CETIC.br's MAIN LINES OF ACTION



1. Knowledge Center and Data Production



2. Capacity-Building on Methodologies for ICT Statistics



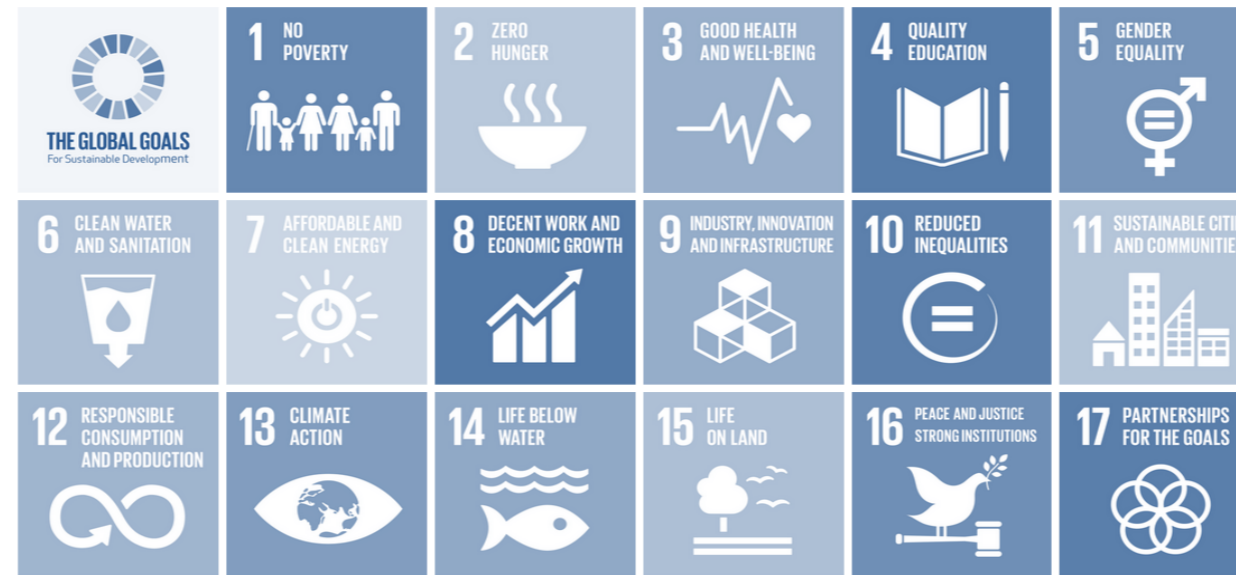
3. Laboratory of Ideas



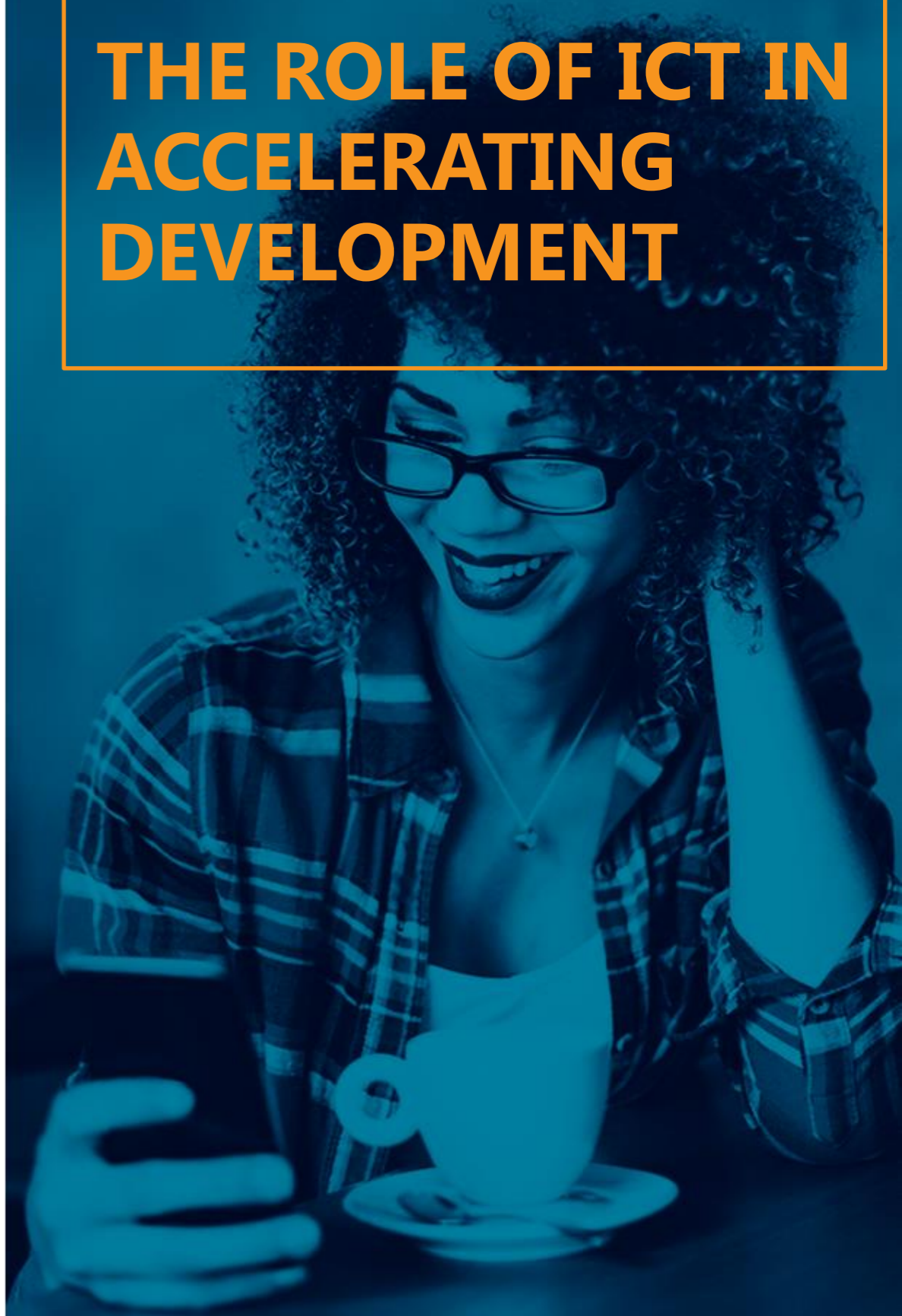
4. Culture and Ethics on the Internet



ICT FOR THE SUSTAINABLE DEVELOPMENT GOALS



THE ROLE OF ICT IN ACCELERATING DEVELOPMENT



1 ICT are a fundamental component in achieving the Sustainable Development Goals (SDGs).

2 ICT integrate and accelerate the pillars of sustainable development: economic growth, social inclusion and environmental sustainability.

3 Measuring and tracking the availability and use of ICT is critical to the process of designing and monitoring public policies fostering sustainable development.

INCREASING URBANIZATION RATES

- ❑ More of 50% of the world lives in urban areas today and urbanization rates are increasing worldwide.
- ❑ It is estimated that by 2050, more than 70% of the population will be living in cities.
- ❑ In Latin America, this estimate is of 85% (in Brazil this is already the case in 2010).

DIGITAL REVOLUTION

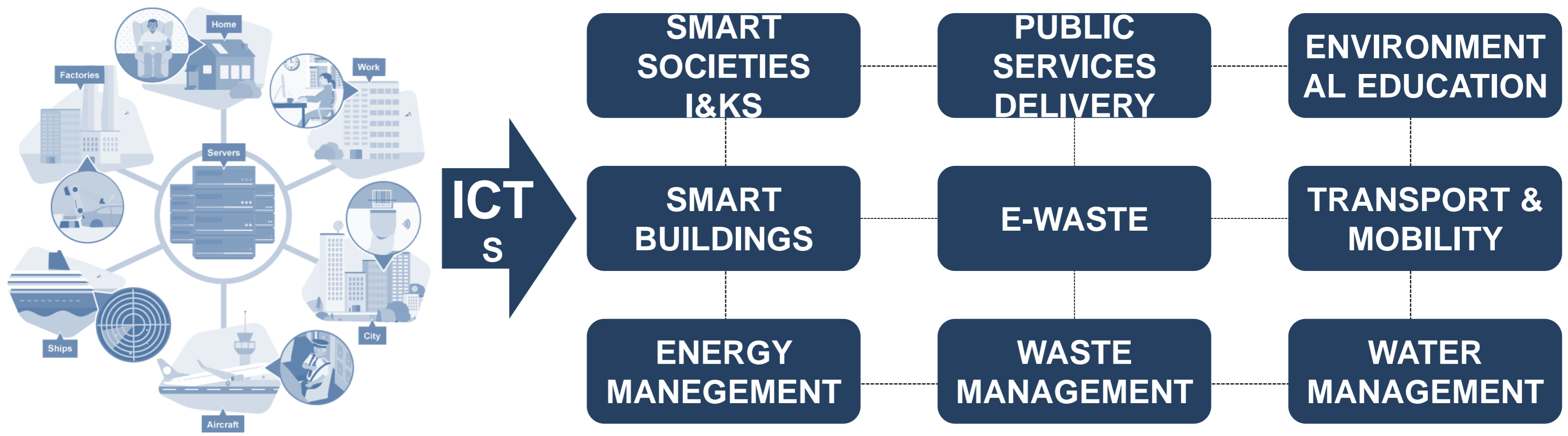
- ❑ Diffusion of ICT infrastructure in urban cities.
- ❑ Growing adoption of digital technologies by the population.

WHY SMART SUSTAINABLE CITIES

- ❑ ICTs are critical components for Gov'ts in facing the challenge of unprecedented urban growth.
- ❑ ICT can contribute to improve urban management, as means of service delivery and participation.
- ❑ Smart sustainable cities can be a pathway to sustainability and a means to face new urban challenges.

WHT ICT & SMART SUSTAINABLE CITIES

THE ROLE OF ICT AS A CATALYST IN ACCELERATING THE ACHIEVEMENT ALL 17 SDG

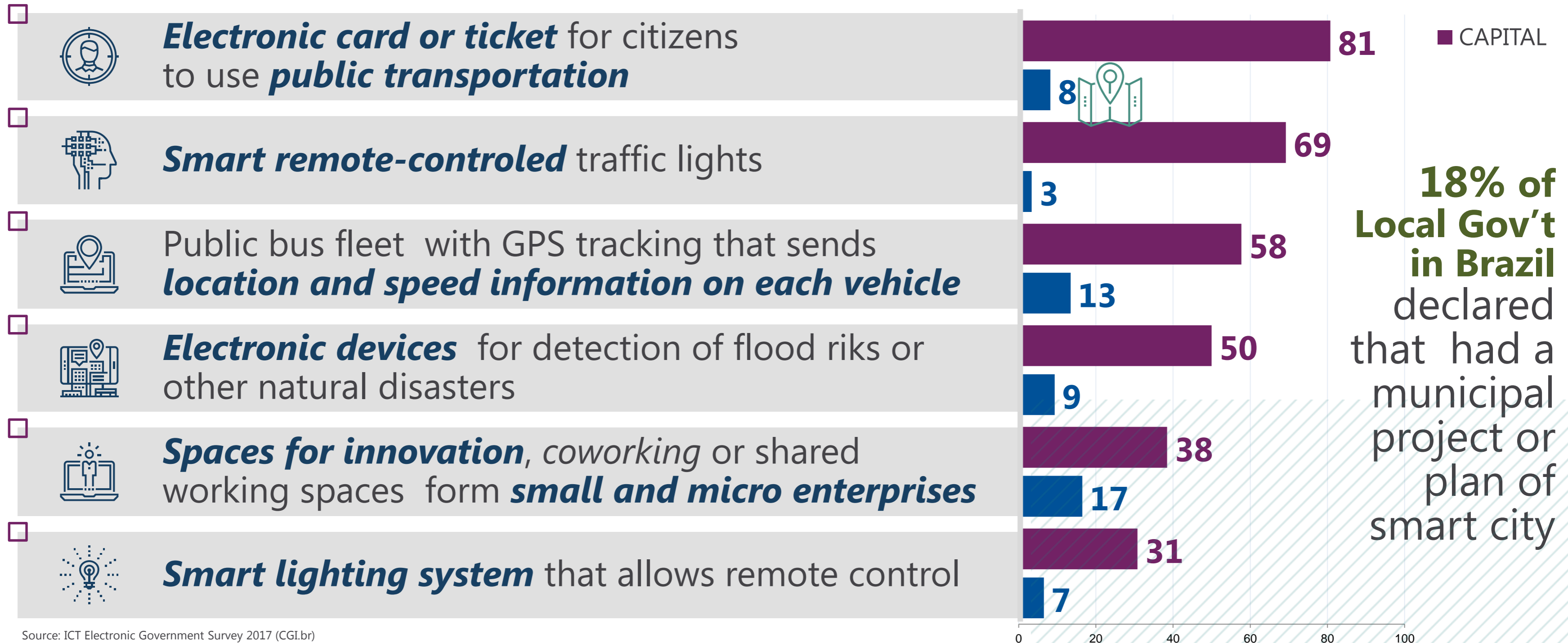


ICT DATA FOR INFORMED POLICY DECISIONS & MONITORING SMART SUSTAINABLE CITIES

USE OF ICT IN URBAN MANAGEMENT IN BRAZIL



Total number of local governments with Internet access (%)



Source: ICT Electronic Government Survey 2017 (CGI.br)



**AWARENESS-
RAISING &
ENGAGING KEY
STAKEHOLDERS**

**MASSIVE OPEN
ONLINE COURSE
(MOOC): “The Role
of Information and
Communication
Technologies in
Achieving &
Measuring the SDGs”**

MULTI-STAKEHOLDER ENGAGEMENT AND COOPERATION IS ESSENTIAL FOR ACHIEVING THE SDGs BY 2030

- ❑ **NIC.br/Cetic.br, UNESCO** and the **SDG Academy**
- ❑ **Target-audience:** researchers of sustainable development, policy-makers, industry and civil society organizations.
- ❑ **Lead Faculty:** *Dorothy Gordon*, founding director general of the Ghana-India Kofi Annan Centre of Excellence in ICT.
- ❑ **Languages:** To be made available in all six official UN languages + Portuguese.
- ❑ **Launch date:** October 2018.

MODULES COVERED BY THE MOOC:

- The Relationship between ICT & SDGs
- ICT & Education
- ICT & Health
- ICT & E-Government
- ICT & Infrastructure
- ICT & Finance
- Artificial Intelligence
- Measurement and Metrics for ICT: SDG Indicator Framework & Institutional Arrangements
- Ethical challenges with Emerging ICTs & the Way Forward

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Thank You !

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