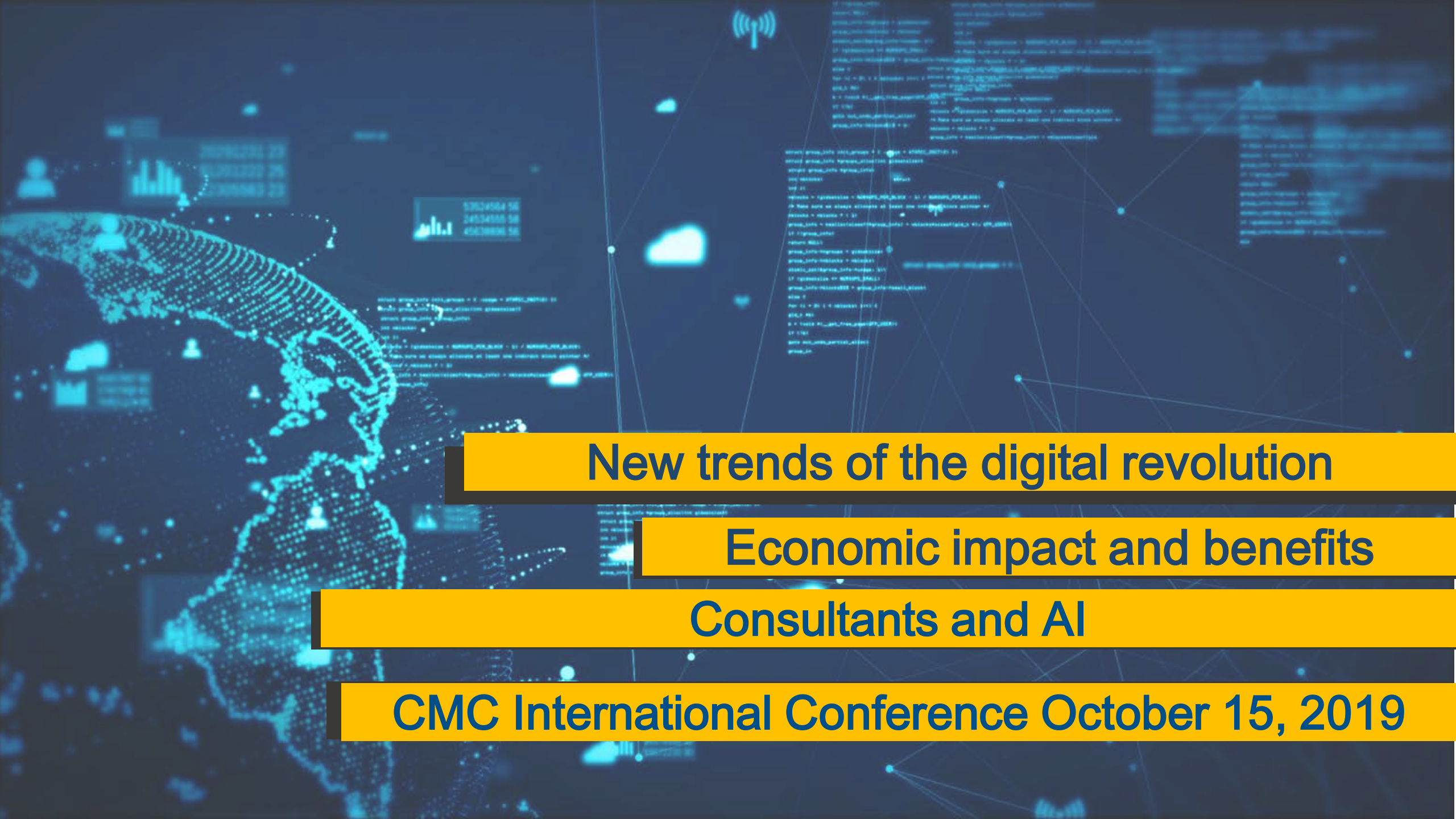
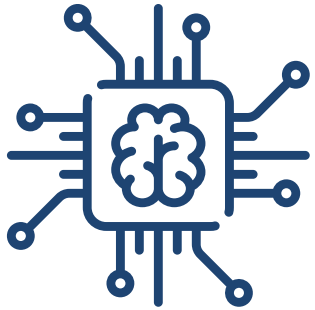

New trends of the digital revolution
Economic impact and benefits
Consultants and AI
CMC International Conference October 15, 2019

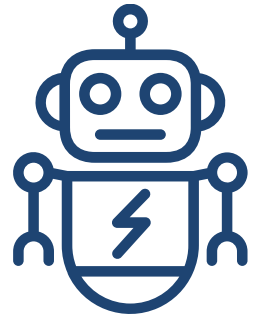
New trends of the digital revolution

9 billion
mobile devices

23 billion
connected devices
(Internet of things)



US$36 billion
invested in artificial intelligence
2017



1,5 million
Industrial robots

Jobs

4 million job ads related to ICT are not covered worldwide. **2 million** of them are in cybersecurity

85% of the jobs and tasks we know today will be significantly transformed in the next 5-10 years.

New trends of the digital revolution

ARTIFICIAL INTELLIGENCE (AI)

- Global spending on AI systems are expected to reach **USD 35.8 billion** in 2019, an increase of **44% over 2018**, and to more than double to USD 79.2 billion in 2022 (Forbes, 2019).

- By 2030, the Global GDP could be up to 14% higher as a result of AI, roughly USD 15.7 trillion (PricewaterhouseCoopers).

INTERNET OF THINGS (ioT)

- By integrating all of our modern day devices with internet connectivity, the IoT market is on pace to grow to over **$3 trillion annually** by 2026 (Business Insider).

- Projection of more than **64 billion IoT** devices by 2025, up from about 10 billion in 2018 (Business Insider).

DATA ANALYTICS

- Big data and business analytics will grow from USD 130 billion in 2016 to more than USD 203 billion in 2020, at a compound annual growth rate of 11.7% (Forbes, 2016)
- Companies that are leaders in the use of data have found to be **5%** more productive and **6%** more profitable (McAffee & Brynjolfsson)

CYBERSECURITY

- Companies' expenses in cybersecurity insurance will grow from $2,750M annually in 2015 to $7,500M in 2020

- Cybercrime can cost 0.8% of global GDP, (Center for Strategic and International Studies, 2016).

- Cost to the world economy; USD 600 billions.

Jobs

49% of top quartile job postings require coding skills, and there has been a **372% growth in demand for data analysts since 2011.**

"Data is the fuel that launches **companies ahead of the pack—often far ahead**. Those that can collect, analyze, and quickly make use of data will have an **ever-increasing competitive advantage**. That's the promise of big data" (ORACLE)

Economic impact and benefits

GOVERNMENT TRANSACTIONS

LAC governments manage on avarage more than 2,000 Government transactions. Only 7% of these procedures can be done online by the citizens

TRANSPORT

In LAC, traffic accidents cause 100,000 deaths each year, and cost 3% of the región´s GDP.

TAX COLLECTION

Tax Evasion in Latin America reached **6,7% of the region´s GDP in** 2015 (ECLAC).

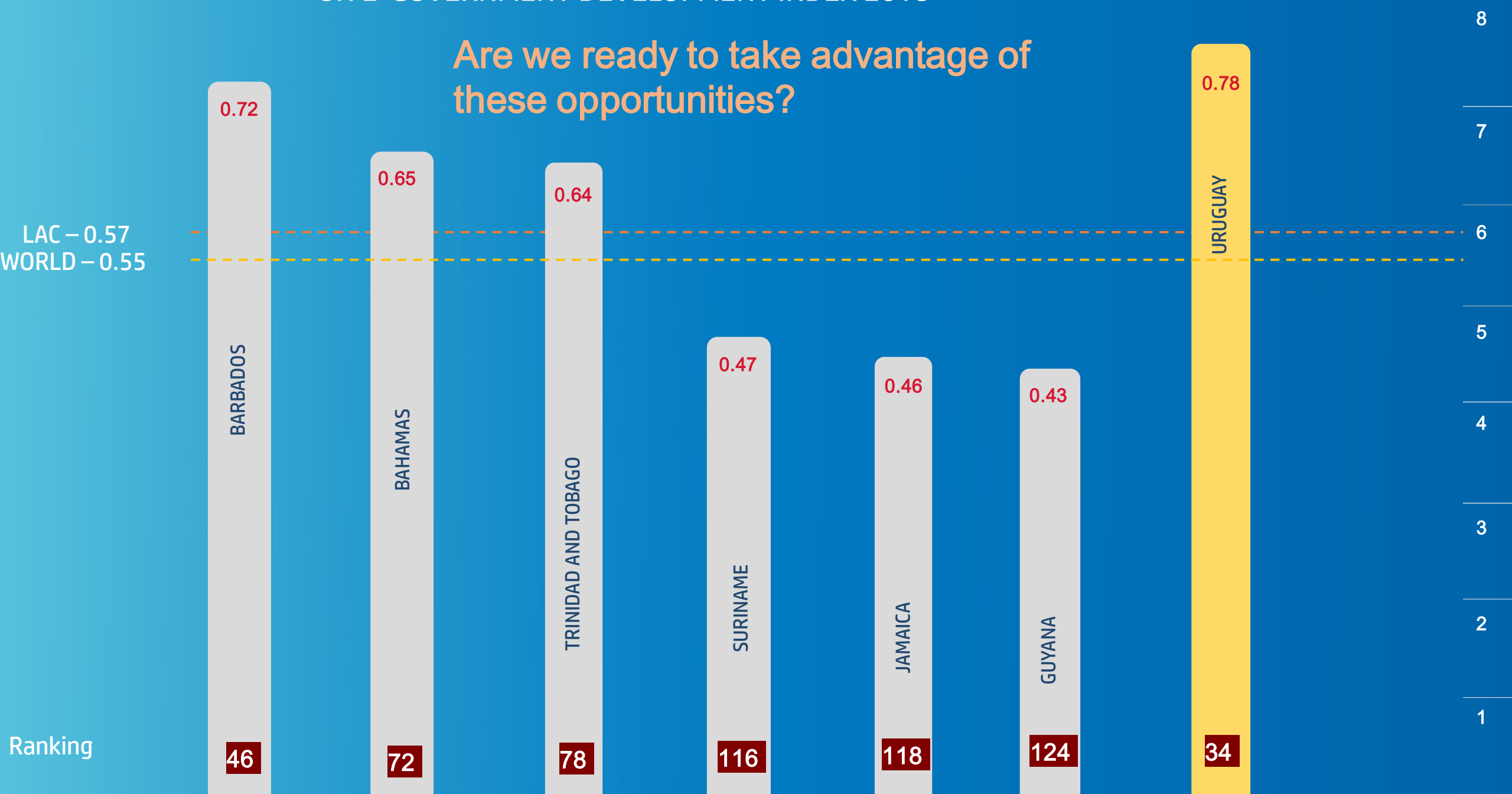
IMPACT

- The United Kingdom (UK) through digital government strategies has managed to save more than USD 2 billion in the last 6 years.
- The Government of Sao Paulo is saving USD 219 million per year by managing online the motor vehicles registration.
- Online transactions cost 5% of the in-person government procedures.
- Reduction of 33% of accidents, which represents savings of 1% of the GDP. For each USD 1 invested, savings up to USD 7.
- In Argentina, the electronic invoice increased tax collection of VAT by **10.7% in 2013.**

Current scenario in the Caribbean region

UN E-GOVERNMENT DEVELOPMENT INDEX 2018

Are we ready to take advantage of these opportunities?



GLOBAL ICT DEVELOPMENT INDEX 2017

Interoperability Government Plan
National Digital Agenda
Clear Governance structure
Human talent
Digital transformation
Sector plans of ICT incorporation
Plan of ICT Infraestructure
Legal Framework
Resources

IDB promotes regional cooperation and learning from international best practices

Executive Training for Caribbean policymakers and managers on e-government in Tallin, Estonia – October 2018