Intergovernmental Group of Experts on E-commerce and the Digital Economy

Session 3: National and international policies and support measures to address challenges of the developing countries in the digital economy







DIGITAL TRANSFORMATIONS CHALLENGES IN LATIN AMERICA AND THE CARIBBEAN



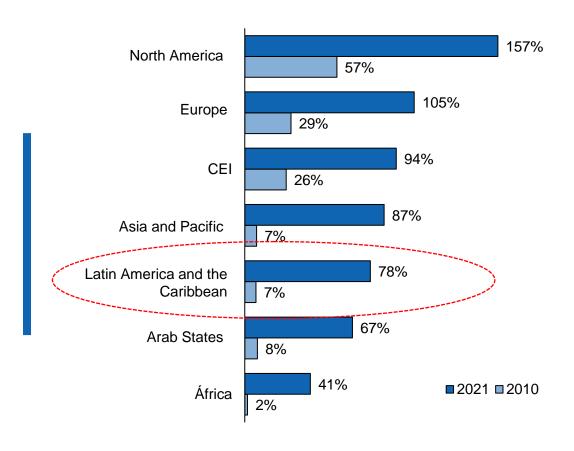
DESPITE THE ADVANCES, THERE ARE STILL CHALLENGES IN TERMS OF CONNECTIVITY

Fixed broadband subscriptions as a percentage of households

101% North America 72% 91% Europe 59% 71% Asia and Pacific 23% 68% CEI 27% 62% Latin America and the 25% Caribbean 53% **Arab States** 11%

■2021 ■2010

Mobile broadband suscriptions as a percentage of population



Source: ECLAC, based on ITU World Telecomunications Database

Africa



LACK OF DIGITAL SKILLS FOR THE DIGITAL WORLD

Basic digital skills

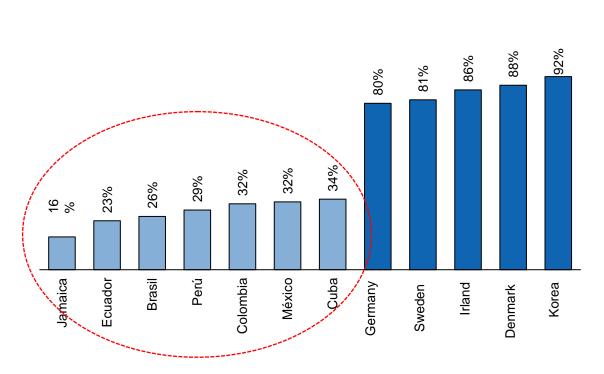
(% of population)

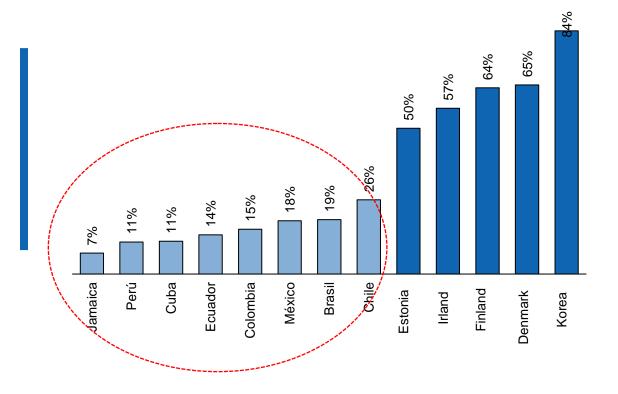
Send and receive emails with attachments

Medium level digital skills

(% of population)

Search, download, and configure apps and software



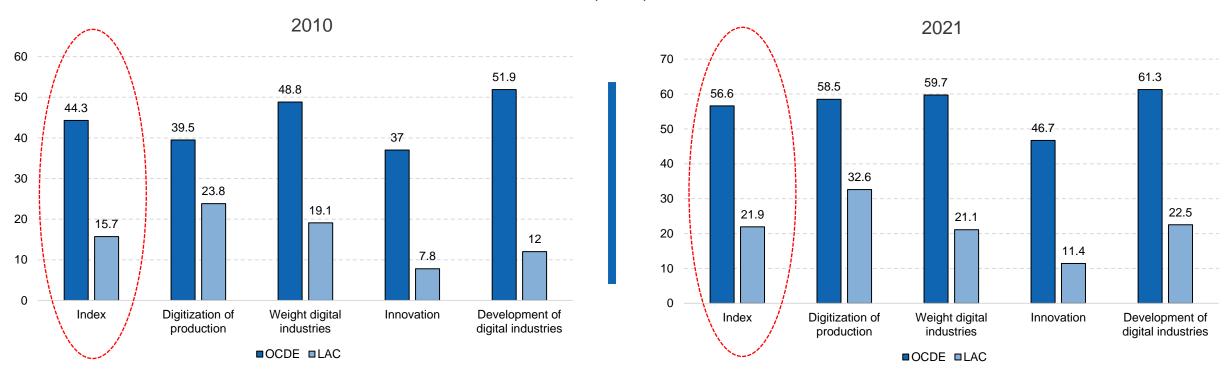


Source: ITU-based ECLAC



THE GAP BETWEEN OECD AND LAC IN THE DIGITAL ECONOMY HAS GROWN BETWEEN 2010 AND 2021

Digital Ecosystem Index, Digital Economy Component (index)



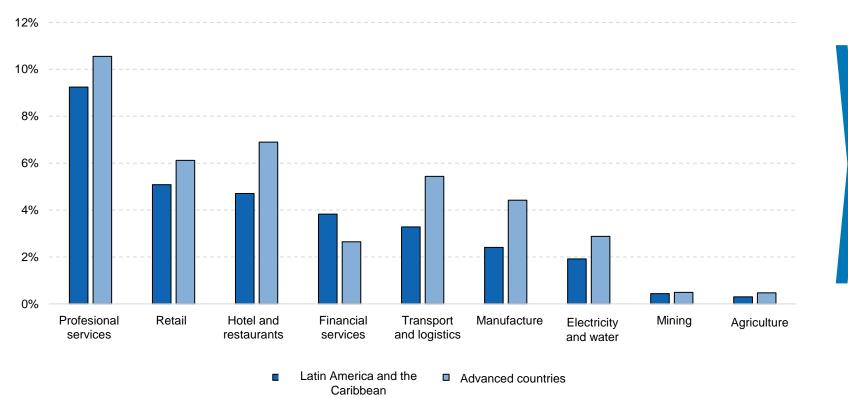
 The most pronounced differences are in the components of development of digital industries (local websites, export of ICT goods and services) and weight of digital industries (Per capita expenditure on telecommunications, media and entertainment).

AT THE SECTOR LEVEL, THERE ARE ALSO GAPS IN DIGITIZATION BETWEEN LAC AND MORE ADVANCED COUNTRIES



Percentage of direct intermediate digital inputs by economic sector in Latin America versus advanced countries

(In percentages)



 Agriculture, mining, and manufacturing, three priority sectors in terms of contribution to Latin American gross product, have a lower level of direct digitalization.

Source: ECLAC (2022) based in Katz

Note: Latin America includes Argentina, Brazil, Chile, Colombia, Costa Rica, Mexico and Peru. Advanced countries include the United States, Germany, the United Kingdom, Japan, France, Australia and South Korea.



DIGITAL TECHNOLOGIES CONDITIONS THE FRAGMENTATION OF PUBLIC POLICY

Telecommuni cations regulator

protection Data

Antitrust

Cybersecurity

protection Consumer

Facilitation of deployment/sharing

and control of infrastructure

Abuse of dominant position

Concentration control

Restrictive agreements

investment

innovation

National Digital Policy (PND, DNA, ADS, ADL)

agriculture Health

education

finance

industry energy

Local government

Telecommunications and Internet Licenses

- Spectrum allocation and use
- Network coverage. infrastructure sharing, quality of service
- Wholesale prices
- FSU and use of back nets
- Open and interoperable standards, technology neutrality.
- Net neutrality, zero rating

- Strengthen privacy and security policies.
 - Al, encryption and anonymization rules

Data breaches

cyberattacks

Critical Infrastructure

rules.

Protection

Encrypted private networks

Protection and monitoring of

Incident response. Resilience

- Application and security monitoring
- Penalties and fines
 - Quality of service, experience.
 - Use and fair trade,

Merge control

- B2B and B2C Claims, Dispute Resolution
- Consumer education

- Facilitation of datacenters. permissions
- Tax exemptions
- Access to open data
- Single window
- Reduction of bureaucracv
- Government Innovation
- Funds for R&D. Al promotion, training.
- Entrepreneurship

- Tax incentives, subsidies, innovation funds • Air or drone traffic control. licensing
- · Job training programs, curriculum coordination, capacity building of officials •
- Incentives to create SMEs, access to venture capital
- · Promotion of electronic commerce and payments
- · Cloud services, patient records. Using big data for health

- · Access-arrival to dorsal nets
- · Use/sharing of local infrastructure, pipelines, and access to public infrastructure
- Positive silence policies, special regime small cells, transparency, permission for E2E fiber
- · Investment in sensors/meters, adoption of open, scalable solutions
- Incentives for local SMEs/OTTs.
- Training
- Promotion of local content

Source: ECLAC (2020), based on S. Cabello

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REGULATORY AREAS IN THE DIGITAL ECONOMY

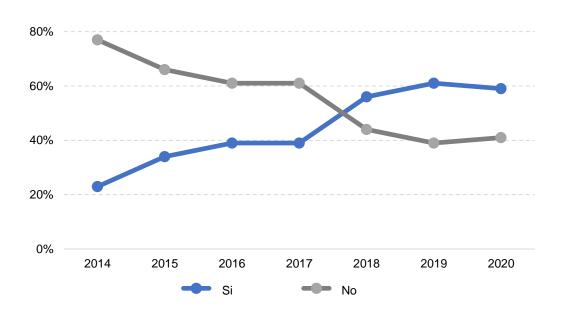
	SCOPE	REGULATORY CHALLENGES
MARKET ACCESS	Granting of permits and licences	Challenging the market or creating the market? (market competition and market differentiation)
PROTECTION OF RIGHTS	Protect the rights of workers, consumers, Authors	Ensure the sustainability of protection systems or respond to new opportunities and demands?
COMPETITION	Market efficiency	What instruments should be applied? What is the competitive pressure of these markets? What markets should be regulated?, Definition of markets?
DATA	Data access and protection	What rules should apply to data access, portability and ownership? Is the policy on access and data portability a competition policy?
TAXATION	Compliance with tax policy	How should the consumption of digital goods be taxed? Should digital platform providers pay taxes in the country where they are located or where the revenue is generated?

Fuente: elaboración propia

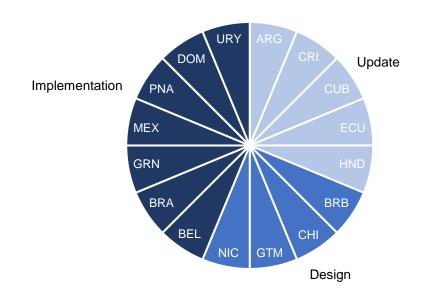


THERE IS AN IMPORTANT DIFFUSION OF NATIONAL DIGITAL AGENDAS

World (129 countries): Global National ICT Policy or Master Plan (% of countries)



Latin America and the Caribbean (16 countries): adoption of sectoral digital agendas, 2022 (12-75%)



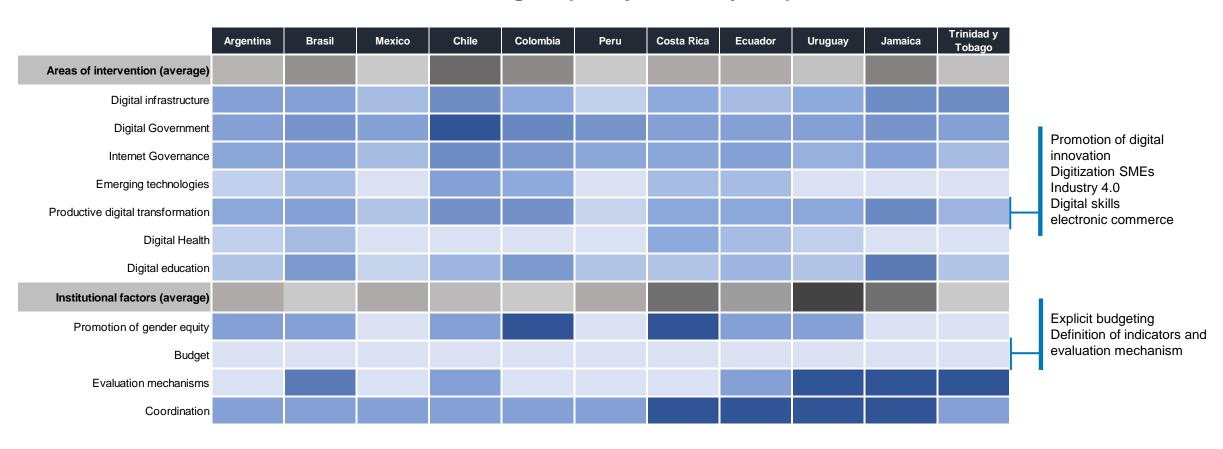
Source: ITU (2022), Data Hub, Digital strategies, and broadband plans

Source: ECLAC, survey carried out between June and August 2022 to representatives of governments and agencies in charge of digital policy



REINFORCE THE ORIENTATION OF DIGITAL POLICIES TOWARDS EMERGING AND PRODUCTIVE ISSUES

Digital policy intensity map







Digital Cooperation Process Digital Agenda for LAC (eLAC)

A 17-year process



- In the last ministerial conference, the Digital Agenda for LAC towards 2024 was approved. The agenda brings together a set of 31 digital policy objectives. The Montevideo Declaration "Building together in the digital age" was also approved
- The conference was attended by 13 Member states from LAC countries and 30 organizations from the private sector



Agenda Digital eLAC2024

31 objectives in 4 strategic pillars



A. THE FOUNDATION FOR A DIGITAL AGE FOR ALL

Universal and
 meaningful infrastructure
 and connectivity
 -Digital skills
 -Governance, security
 and enabling
 environment



B. PRODUCTIVE AND SUSTAINABLE DIGITAL TRANSFORMATION

-Digital economy, entrepreneurship and innovation

-Digitalization for sustainability



C. DIGITAL TRANSFORMATION FOR WELL-BEING

-Digital inclusion for equal opportunities -Public innovation and digital transformation of the State



D. NEW DIGITAL PARTNERSHIPS FOR PROSPERITY

-Regional cooperation and digital integration