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Digital Transformation in Latin America and its Future

Universal Access, Protection & Privacy, and Empowerment

ALEXANDRE VERONESE

Associate Professor of Social and Legal Theory
Faculty of Law, University of Brasília

A roadmap for the presentation

01
Landscape & Brazil
An overview of telecommunications in Latin America and the local reality.

02
The LATAM Paradox
High smartphone connectivity contrasted with severe structural gaps in access.

03
First Pillar
Universal Access: Transitioning from tax-raising to investment-driven smart regulation.

04
Second Pillar
Protection & Privacy: Secure frameworks in asymmetric and vulnerable digital environments.

05
Third Pillar
Empowerment & Citizenship: Transforming passive users into active, literate digital citizens.

06
The Future of Regulation
Sustainable Development: Balancing Access, Protection, and Empowerment.

LATAM telecommunications, and Brazil

A deep-seated regional paradox

THE BRAZILIAN & LATAM CONTRAST

Our region lives in a paradox: we are among the people who spend the most time connected to smartphones and social media globally, yet we still face massive structural gaps.

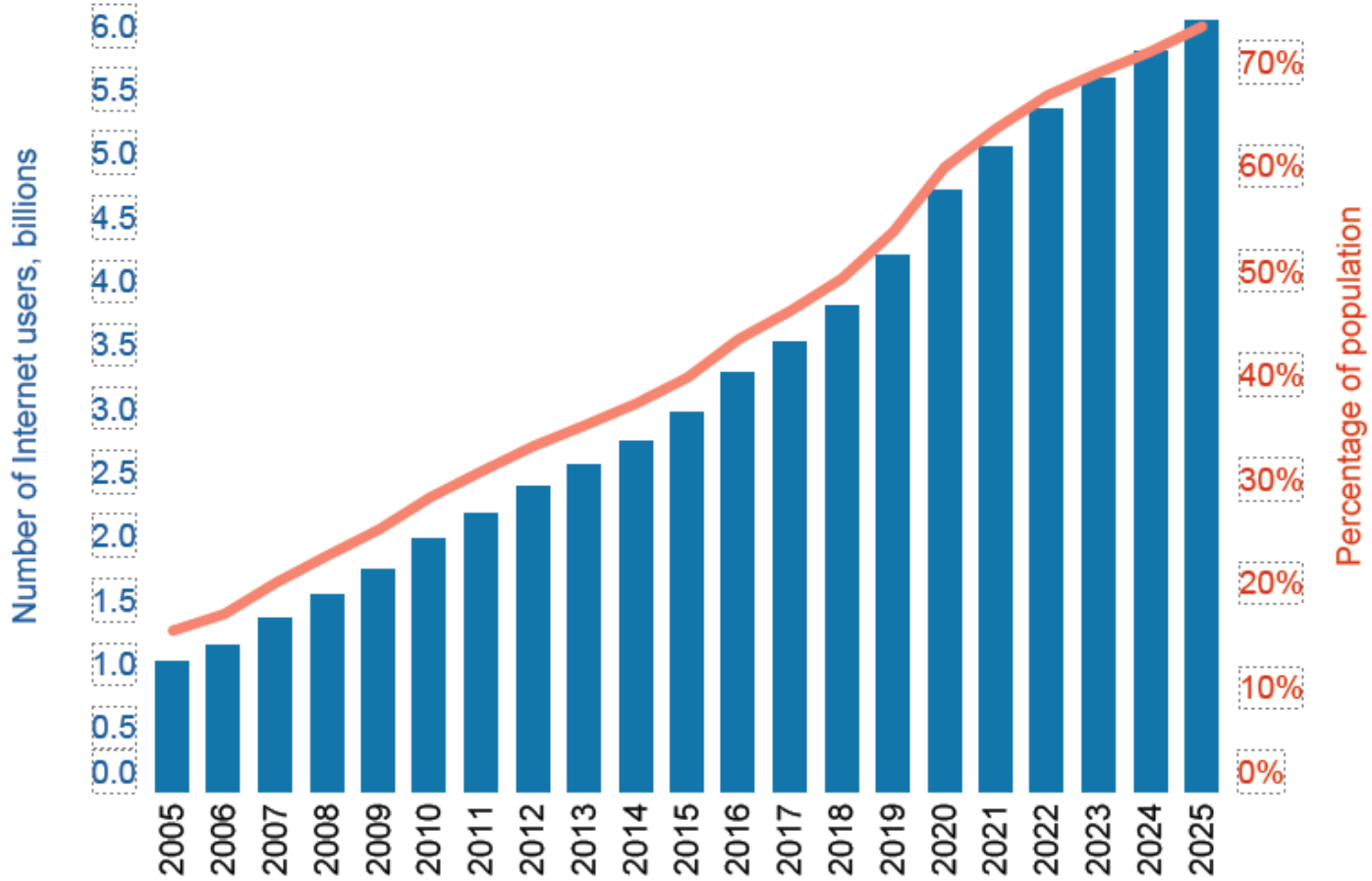
Brazil perfectly reflects this contrast. We have a gigantic, highly innovative digital market that coexists with peripheral and rural areas completely isolated from the digital economy.

THE PATH FORWARD

Regulating smartly does not mean suffocating the market with bureaucracy. Instead, it means creating dynamic rules that include the marginalized and protect the vulnerable.

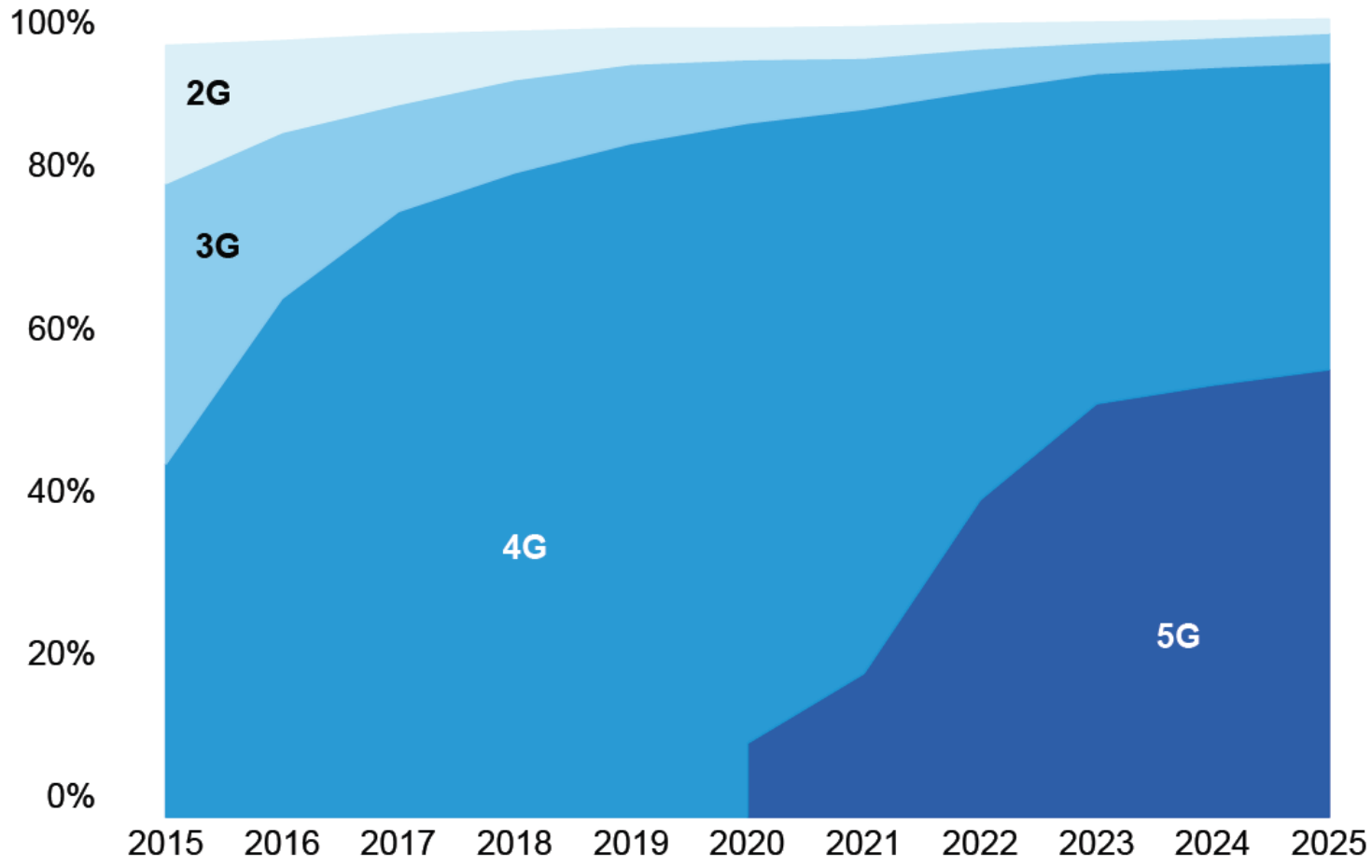
The world is more connected

(ITU, 2025)



5G is growing but it must improve

Global transition of mobile technology shares (2015 - 2025)



First Pillar: Universal Access

Shifting focus from basic coverage to high-quality connectivity

THE RE-DEFINED CHALLENGE

In Latin America, the current challenge is no longer just making a signal reach a location...

...but ensuring that this connection is fast, stable, and economically affordable

SMARTER REGULATION

Smarter regulation shifts from a purely tax-collecting mindset to an investment-driven approach.

This is smarter regulation: leveraging state authority to direct private capital precisely where the population needs it most. Creating incentives for deployment of high quality instead of focusing on making money for states.

Example: Changing the game

Case study: The Brazilian non-revenue-maximizing 5G auction

THE ANATEL 5G AUCTION MODEL

The most prominent practical example in the region was the 5G Auction conducted by Anatel in Brazil.

Instead of focusing on raising billions for public coffers, the government designed a **non-revenue-maximizing auction**. Telecom operators won licenses in exchange for binding investment commitments.

Federal Highways

Bring high-speed 4G internet coverage to vast stretches of federal highways to secure logistics and passenger safety.

Public Schools

Connect Thousands of public primary and secondary schools with high-speed, stable digital infrastructure.

Amazon Basin (Norte Conectado)

Deploy major subfluvial fiber optic backbones in the Amazon rivers, bringing broadband to remote communities.

Second Pillar: Protection and Privacy in na Asymmetric Environment

(ITU, 2024)

ASYMMETRIES AND VULNERABILITIES

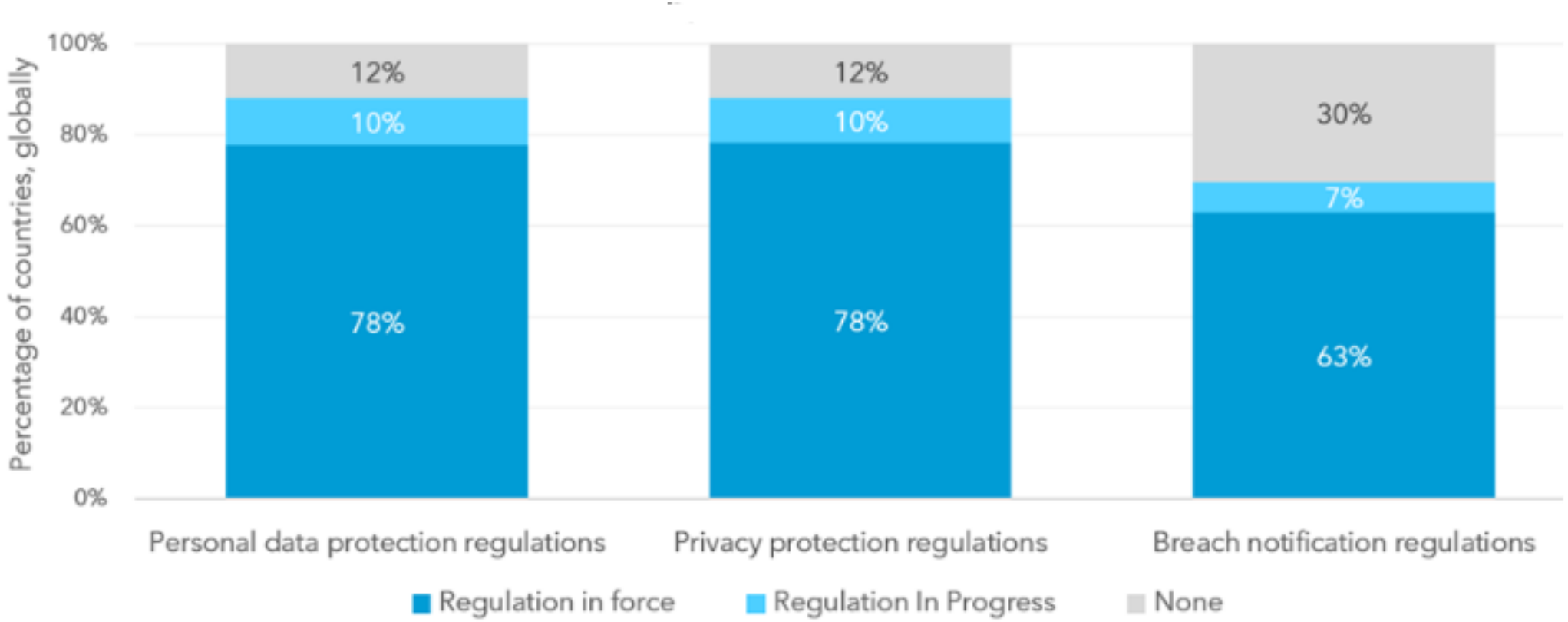
Mitigating the Exposure of Citizens

Targeting the Vulnerable: As millions of Latin Americans enter the digital space, they become prime targets for data breaches, financial fraud, and social engineering scams.

App-Only Limits: Low-income populations, who often access the internet exclusively through messaging apps with limited data plans, are the most vulnerable.

8 Billion Records Breached: This is a global matter as ITU shows “With 8 billion records being breached in 2023 across over 2,800 reported breaches, the average cost of a data breach has increased by 15 per cent over the past three years

More legal frameworks, more technical solutions, cooperation, and capacity-building



Example: Investing in protection

The Brazilian LGPD and the educational role of the ANPD

THE LEGAL FRAMEWORKS

Brazil made a major leap forward with the LGPD (General Data Protection Law), inspired by the European GDPR...

...alongside the consolidation of the ANPD (National Data Protection Agency). This movement is contagious: countries like Chile and Colombia are also actively modernizing their regulatory framework..

THE ENFORCEMENT PARADIGM

Smarter regulation here requires the enforcement authority to act as an educational agent, not just a fine-issuing machine.

The ANPD has heavily focused on publishing best-practice guides for small businesses and regulating emerging tech like Artificial Intelligence (AI), ensuring innovation thrives without violating fundamental human rights.

Third Pillar: Digital Empowerment & Citizenship

Building agency and public sovereignty over technology

Connecting and protecting people is not enough; we must transform users into full digital citizens.

This requires **Digital Literacy**—teaching people how to identify fake news and how to use technology to improve their livelihoods, rather than just consuming passive entertainment.

We must engineer a regulatory system that treats **Access, Protection, and Empowerment** not as competing trade-offs, but as mutually reinforcing pillars.

Drawing from empirical observations in Latin America: ‘smarter regulation' must move away from static prohibitions. Instead, we must embrace **dynamic, co-regulatory mechanisms and open digital infrastructures** that restore public sovereignty over technology.

Examples: Empowering citizens

Brazilian innovations in open and inclusive digital regulation

PIX: FINANCIAL INCLUSION

An instant payment revolution designed by the Central Bank of Brazil.

By regulating a **free, instant, and universal payment system**, the Central Bank of Brazil succeeded in financially including millions of unbanked citizens and significantly boosting grassroots micro-entrepreneurs.

GOV.BR: CITIZEN SOVEREIGNTY

Unifying and simplifying thousands of digital public services.

Smarter regulation cuts red tape and hands citizens **direct, simplified control** over their own data and rights, fundamentally transforming their relationship with the state.

Conclusion: The Interconnected Gears of Development

Sustainability

ACCESS

Providing access without protection creates **scam victims**.

PROTECTION

Enforcing protection by freezing access or blocking innovation **stalls progress**.

EMPOWERMENT

Need for a regulatory environment that fiercely protects the citizen while keeping LATAM competitive on the global stage

Moving forward, our regulators will need to stay agile to address AI and the accountability of large digital platforms, always striving for balance.

STRATEGIC INQUIRIES

Question 01

"As we look at the rapid pace of digital transformation, the ultimate question we must ask ourselves is: Are we regulating for the technology we have today, or are we building the flexible, smart frameworks needed for the Latin America of tomorrow?"

Question 02

"How can we ensure that our regulatory guardrails protect our most vulnerable citizens without inadvertently suffocating the grassroots digital innovation that drives our regional economy?"

Thank You!

Prof. Alexandre Veronese

veronese@ccom.unb.br

Grupo de Estudos em Direito das Telecomunicações

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