Towards a Roadmap for Brazilian Internet Governance and Infrastructure

Information School
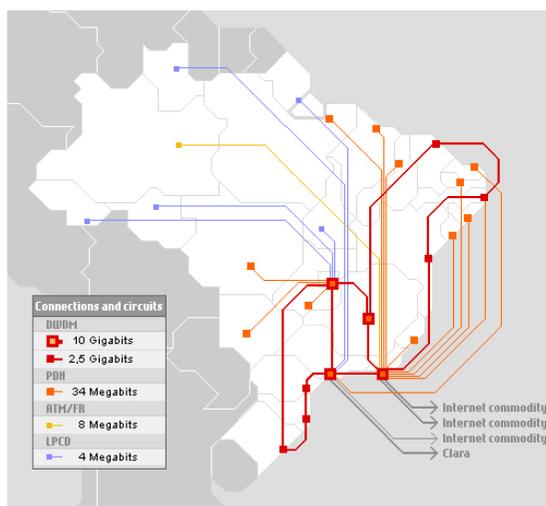UNIVERSITY of WASHINGTON

Daniel Arnaudo, MSIM

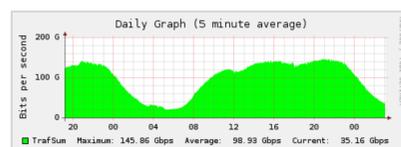| **Research Question**	What are the key regulations, stakeholders and critical informational infrastructure in Brazil today?
Research Process	-Literature review of sources regarding Brazilian and Global Internet Governance -Defined key regulations, stakeholders and IT infrastructure -Investigated Brazil's Internet Steering Committee -Mapped out critical IT infrastructure -Reviewed Brazil's regulations pertaining to the Internet

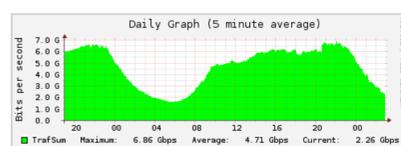## IT Infrastructure Maps and Data

National Research Backbone

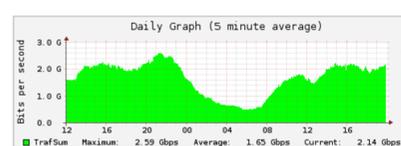© Rede Nacional de Ensino e Pesquisa (RNP)

Major IXP Daily Traffic

São Paulo

Rio de Janeiro

Brasília

Stakeholders Identified

Scientific and Research Community

Civil Society

Private Sector

Domestic   International

Government

Key Regulations

Marco Civil da Internet

Principles for Governance and Use of the Internet

1. Freedom, privacy and human rights
2. Democratic and collaborative governance
3. Universality
4. Diversity
5. Innovation
6. Neutrality of the network
7. Unaccountability of the network
8. Functionality, security and stability
9. Standardization and interoperability
10. Legal and regulatory environments

From Resolution CGI.br/RES/2009/003/P

Cybersecurity Legislation

"Azaredo's Law" PL 84/1999

-Enacted April 2013
-Increases penalties for cybercrime
-Defines responsibilities for police and military
-Creates system for reporting and prosecuting crimes committed online
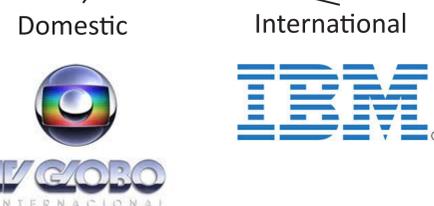
Telecom Regulations

National Broadband Plan

-Goal is 73% broadband penetration by 2017
-Government financed and incentivized
-Faster than 2mbps for every user covered
-Provides both fixed and wireless connections
-Targeting World Cup host cities

Impact

Short Term: Comprehensive review of Brazil's Internet governance system and critical IT infrastructure.

Long Term: Contributes to my development of a theoretical, generalizable model of Internet governance policy through a Jackson School thesis, and a potential collaborative research project with Microsoft comparing Brazil and other BRICS.