

RNP updates

Aluizio Hazin

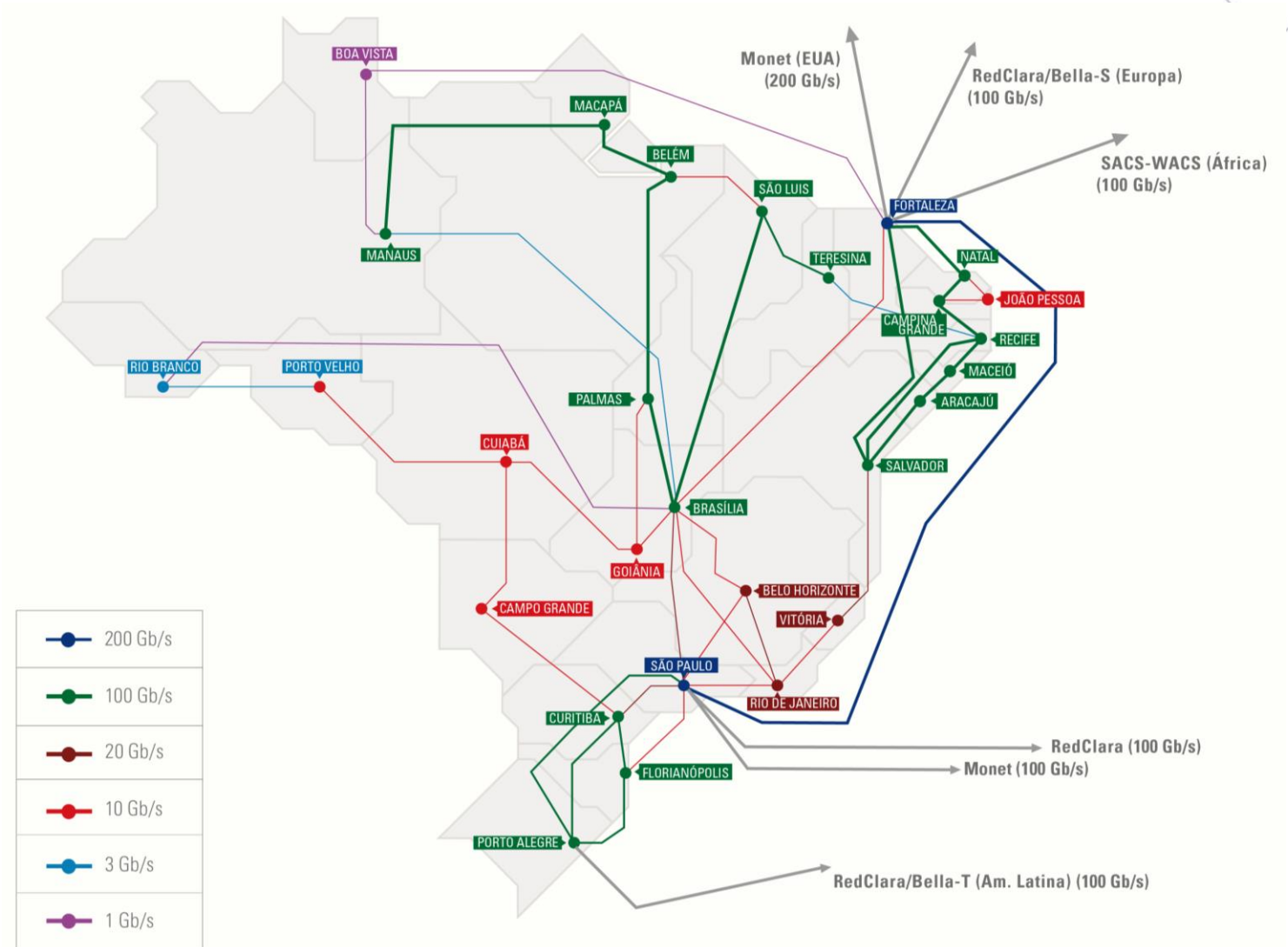
GER – DAERO – DEO

7th generation network in deployment

- Partnerships with:
 - Electric Power Companies (Chesf, Eletrosul, Furnas, TAESA, IE Madeira, Argo)
 - Telebras
 - Private ISPs

No leased lines or IRU payments for interstate dark fibers except the redundancy for Boa Vista/RR

Most investments in electric infrastructure, optical equipment and in some cases hw/sw support



International connections in partnership with academic initiatives:

- **Bella (RedClara + Geant)**
- **Amlight**

Points of connections:

- **Fortaleza – RNP GXP (SAX)**
 - RedClara (Bella-S) + Amlight
- **São Paulo – RNP and REDENESP GXP (SouthernLight)**
 - RedClara + Amlight
- **Porto Alegre – RedClara**

Dark fibers:

- **Fortaleza – connecting most importante sites (TiSparkle, Telxius, Angola Cables)**
- **Fortaleza – connecting Equinix SP2, SP3 and SP4 to RNP PoPs**



13 new 100G circuits planned to this year

- **Blue dotted line: Telebras**
 - Curitiba – São Paulo: ETD May/22
- **Other colors: Electric Power Companies**

This number will probably increase at least in 5 because of the results of the swap process (not showed)



RNP is planning to start the deployment of the next phases of Eletrosul and Furnas projects in Q3-2022.

Eletrosul (purple): Londrina to Curitiba and Curitiba to Porto Alegre

Furnas (pink): Campinas to Araraquara, São Paulo to Brasília and Belo Horizonte, Brasília to Belo Horizonte, Belo Horizonte to Vitória, Vitória to Teixeira de Freitas (point of connection to Chesf Project)



RNP is finishing a swap process of optical channels in its backbone

- 13 routes - closed negotiation
- Other 7 routes - almost there (including the South region)...
- Benefited all regions of the country

Expectation to run another process in the next months focusing in add resiliency of the North region connectivity

Example on how this strategy will help us to accelerate and enhance the connectivity from Fortaleza to São Paulo and then to Porto Alegre (black lines – some is still in negotiation)



RNP continuing to seek new long-term partners to develop its new network

There are conversations running with some current partners that could add new routes in future

Scalable solutions are still preferable, but the swap strategy will become a key point to the success.

RNP is making all the efforts to honor the commitments made with the Academic partners (LSST/Amlight and RedClara/Bella).

Thank you!

Aluizio Hazin

aluizio.Hazin@rnp.br



MINISTÉRIO DO
TURISMO

MINISTÉRIO DA
DEFESA

MINISTÉRIO DA
SAÚDE

MINISTÉRIO DAS
COMUNICAÇÕES

MINISTÉRIO DA
EDUCAÇÃO

MINISTÉRIO DA
CIÊNCIA, TECNOLOGIA
E INOVAÇÕES

