RNP
ORGANIZAÇÃO SOCIAL DO MCTI

Educação, Pesquisa
e Inovação em Rede

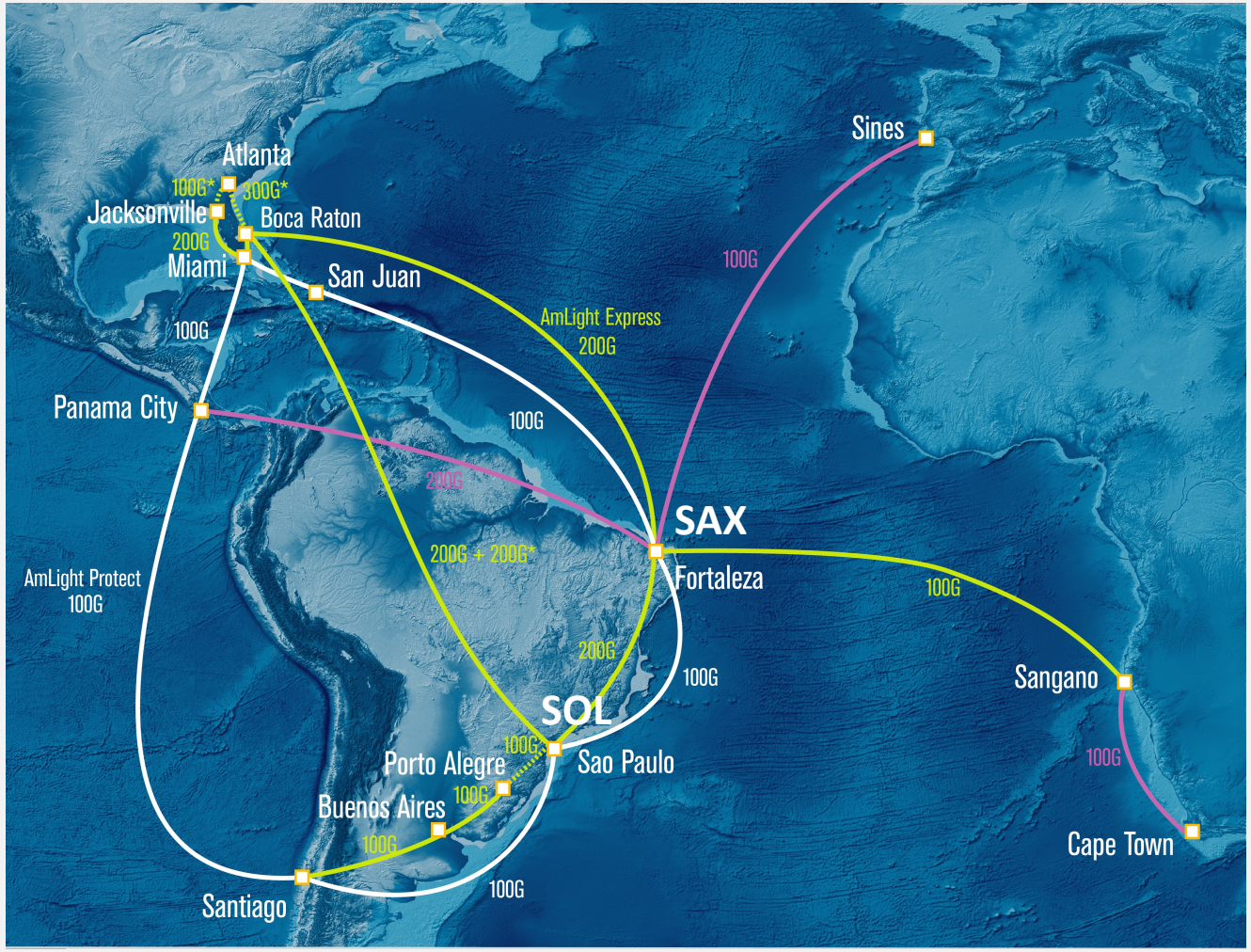
SouthernLight and SAX Updates

Marcos Schwarz

Americas' Research Network (AmRP)

October 11 2022, Salt Lake City, Utah - US

Brazilian Global eXchange Points



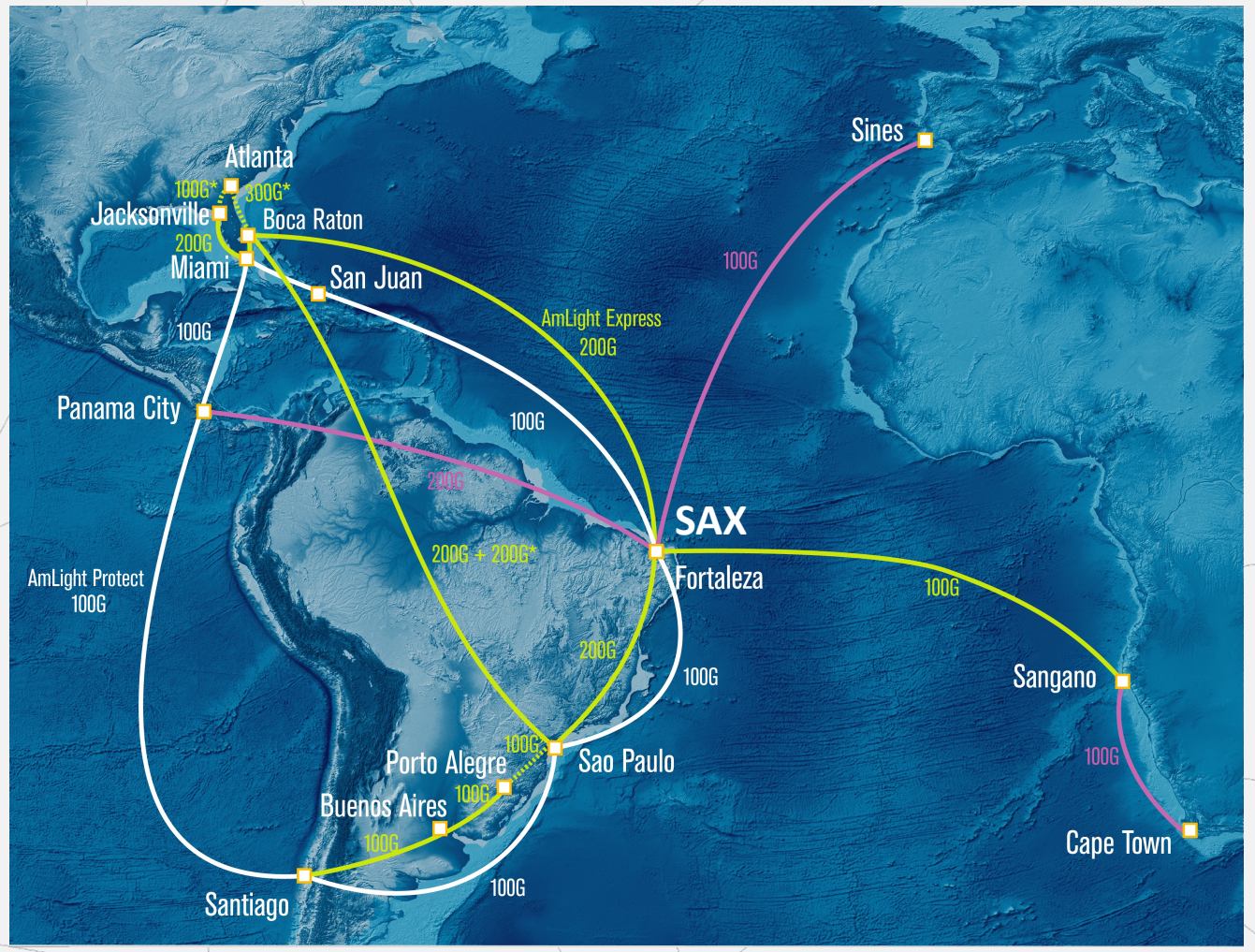
SouthernLight – São Paulo

- Joint Engineering Team: FIU, RedCLARA, Rednesp and RNP
- Interconnects between RNP, Rednesp , RedClara and US (Monet, SAC/LAN)

SAX - Fortaleza

- Joint Engineering Team: FIU, RedCLARA and RNP
- Interconnects between RNP, RedClara, US (Monet, SAC/LAN), TENET/SANREN (SACS, WACS) and Europe (BELLA/EllaLink)

SAX (South America eXchange) – Fortaleza

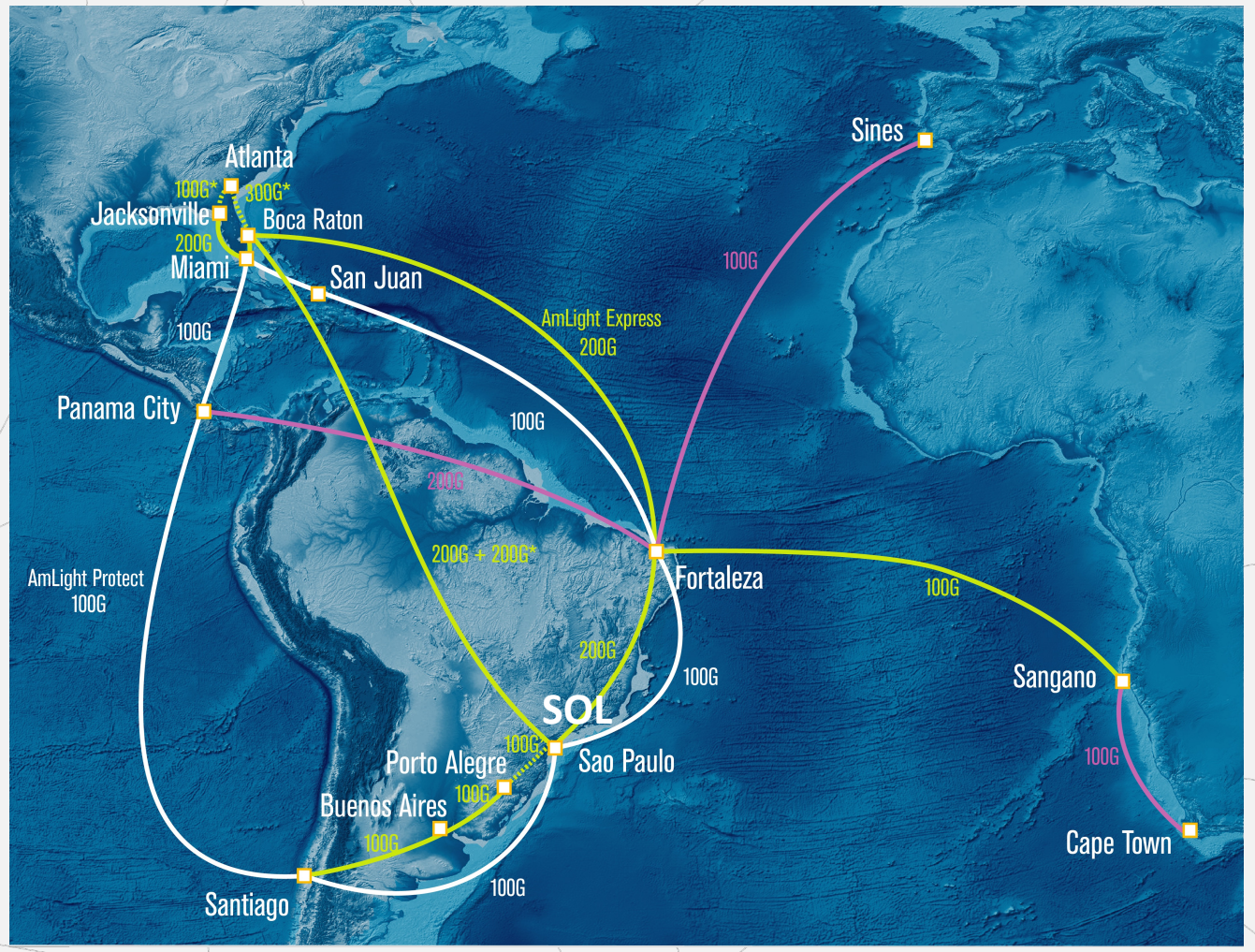


Activation of 100G path to Panama operated by RedClara – Apr 2022

Deploying NSI using OESS over Juniper MX routers - Dec 2022

- Integration to AutoGOLE/SENSE
- Integration to AtlanticWave-SDX

SOL (SouthernLight) – São Paulo – 2022~2023



Acquisition of a second Noviflow production switch with 32x100G ports

- Decommissioning of Brocade MLXe8 and Juniper MX10003

Migration from OESS SDN Controller to Kytos-NG

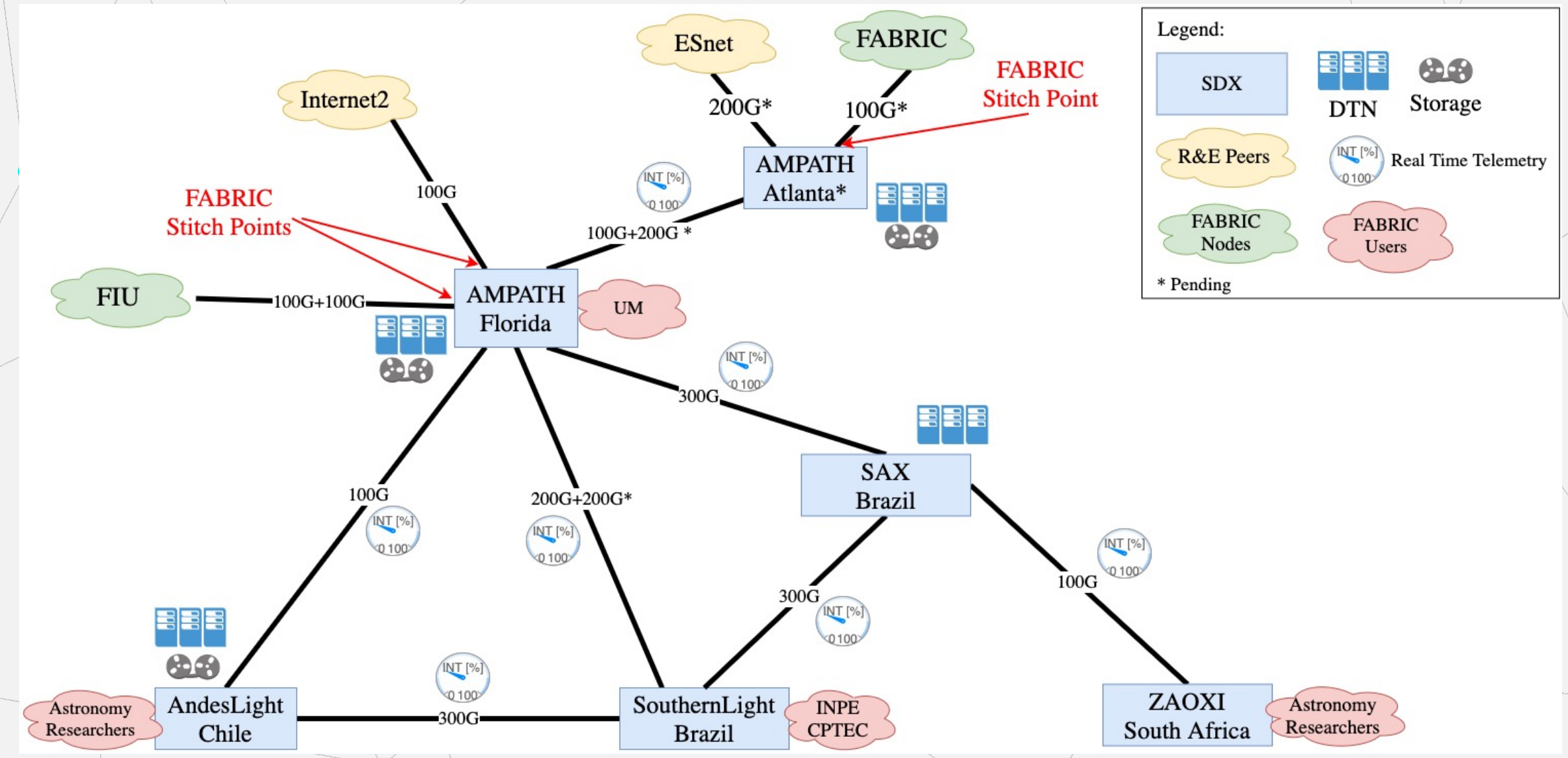
- Support for OpenFlow 1.3 – 4Q2022
- Support for Native P4 – 2023

Activation of 100G connection between SPRACE/LHCONE for High Luminosity

Aditional 100G P4 switch and DTN for R&D collaborations

- AutoGOLE/SENSE
- Global P4 Testbed

AtlanticWave-SDX



Thanks !
Questions?

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