GNA @ GLIF Tech

Erik-Jan Bos (NORDUnet)

15th GLIF Meeting – GLIF Tech

Praha, CZ – September 30, 2015

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"Services" & "Path Finding"

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Services

End to End service delivery,
Through Nexuses

- Deterministic Services:
  - Guaranteed BW Service
  - Guaranteed BW Service with Bursting
- Non-deterministic Services
  - Best Effort Service
  - Flow Service
- Other Services:
  - Special Use

High level stuff

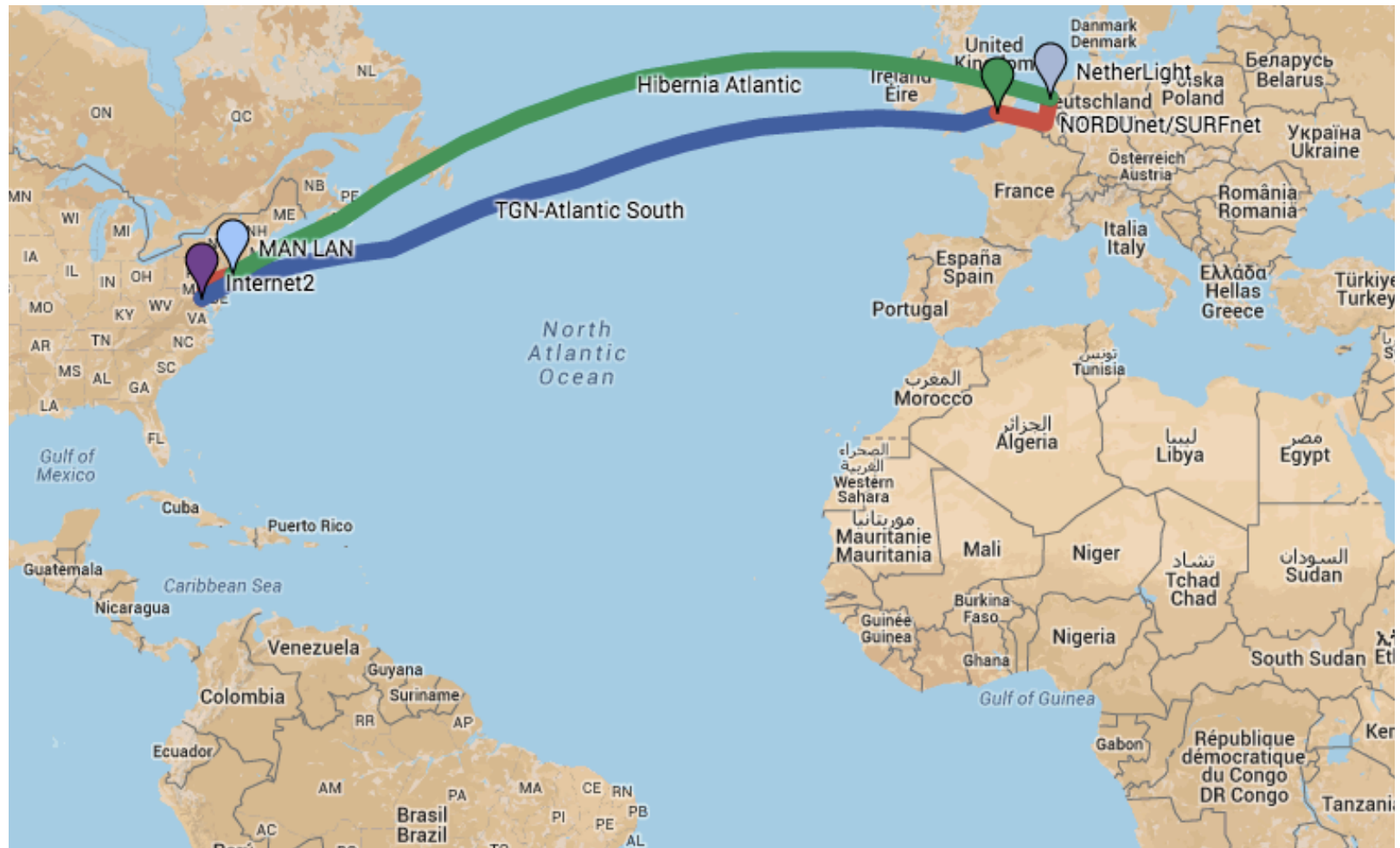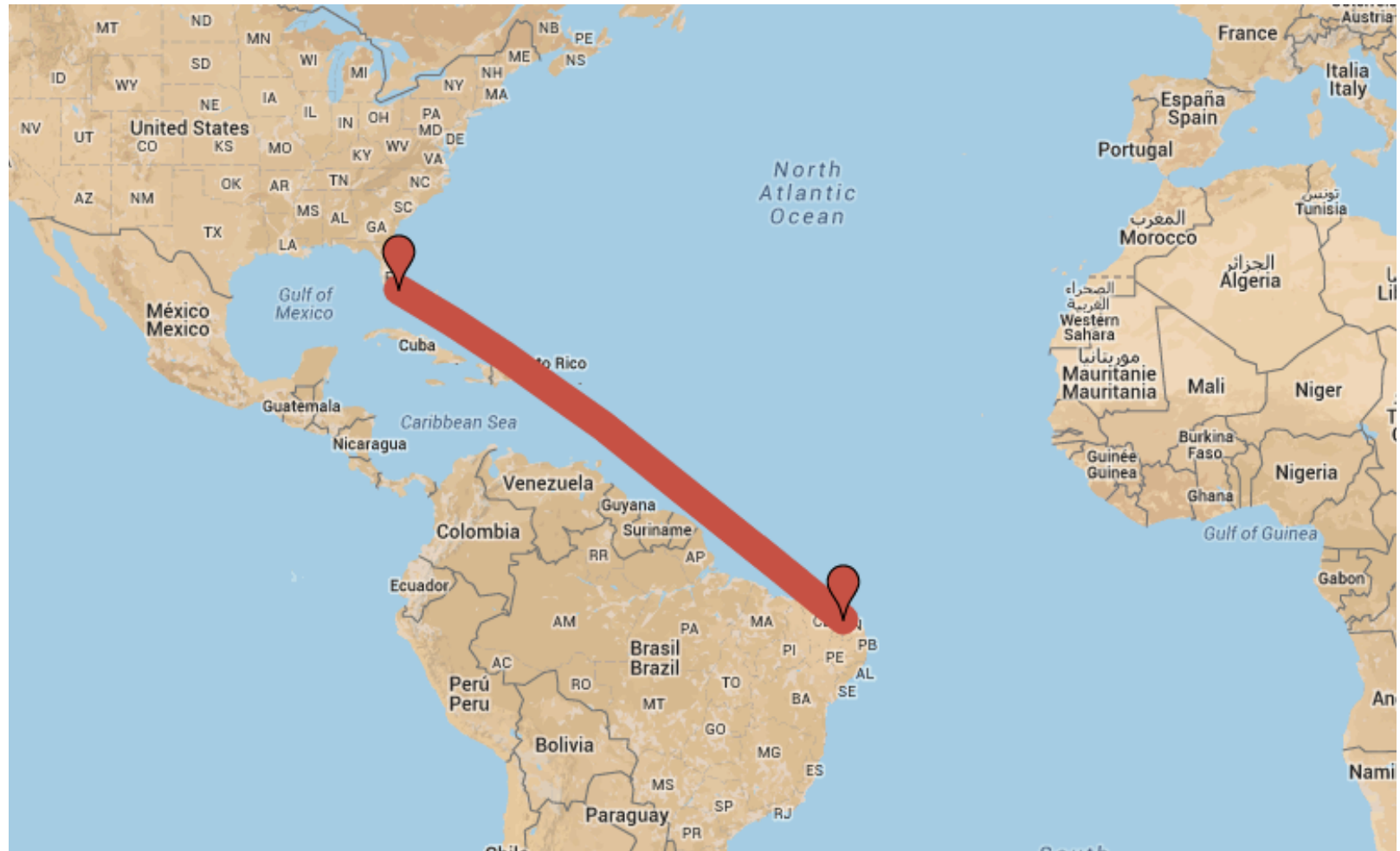**NORDUnet**
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- Point-to-point Anywhere-in-the-World
- Multi-point service A-i-t-W

- Overlay services (like LHCONE):
  - L2
  - L3
  - MDVPN
  - Content peering

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- Monitoring & Trouble tickets
  - (flowing back along provisioning lines across multiple networks / verification)
- Tie into Compute & Tie into Storage
  - (as part of the L3 overlay / towards CDN service & caching)
- Slicing (of OSS)
- Encryption & Certification on transport layer (P2P / P2MP / Overlay)
- Security Services / Forensics / Boundary DDoS mitigation

- Verification of Services

- Automation as much as possible

- High-availability (resiliency)

- Version Management

- Cookbook:

  - what does it mean to be connected

  - how to join

Path Finding

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Thank you!