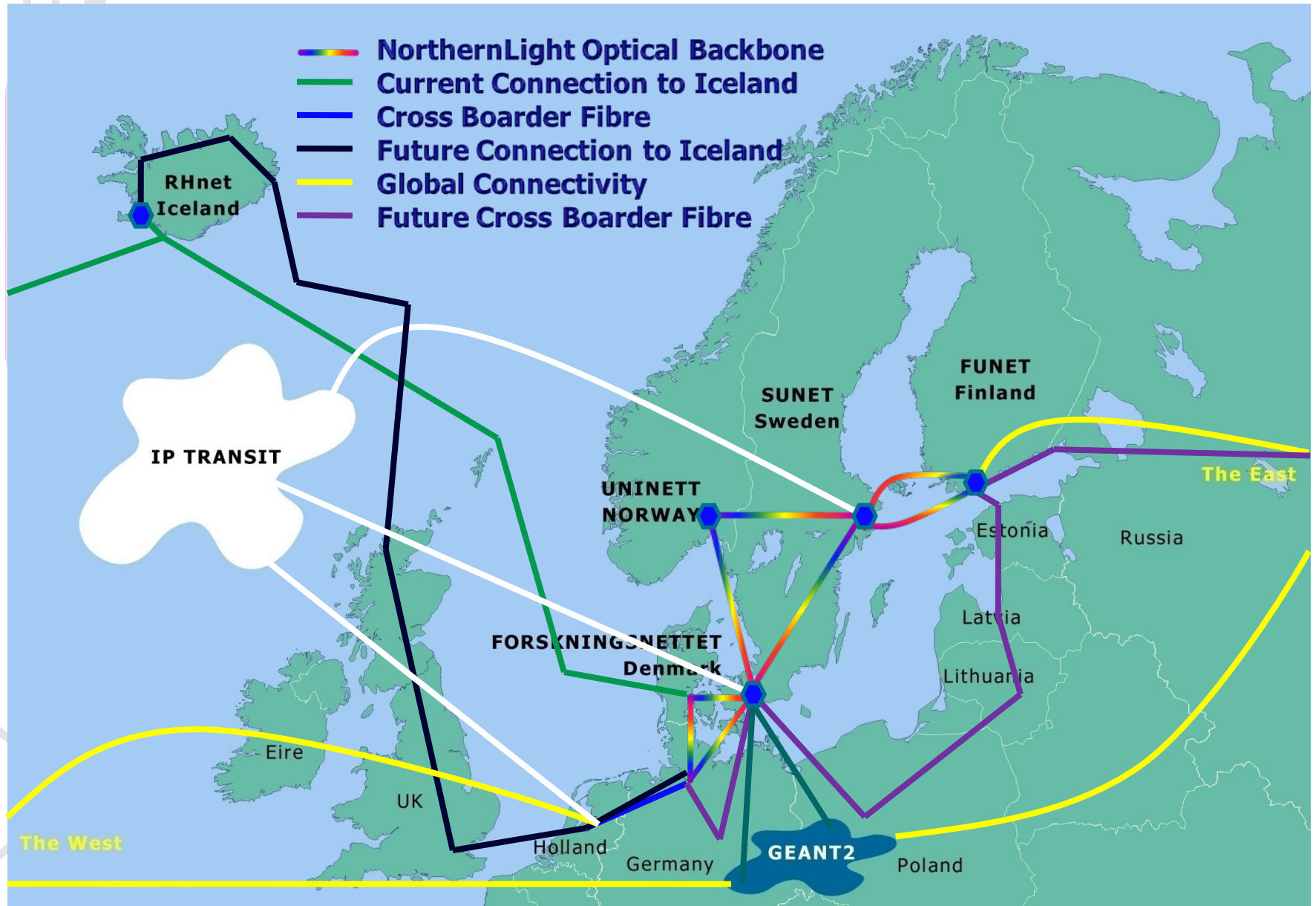


NOX update

(NORDUnet Optical Exchange)

Lars Fischer

Honolulu, Hawaii, January 2008



Current setup

- A distributed GOLE
 - Connection points: Oslo, Stockholm, Helsinki, Copenhagen
 - Connects to Nordic NRENs
- Links:
 - 5 x 10 G to NetherLight (Amsterdam)
 - 1 x 10 G to MLight (Moscow)
 - 5 x 10 G to GEANT
 - (1 x 10 G + 1 x 2.5 G to RUNnet (St. Petersburg))

New connections

- Dark fiber interconnect with SURFnet live. Provides NREN owned and controlled fiber + DWDM between NOX and NetherLight. Several 10G's live already
- 10G interconnect Stockholm – Moscow for RBnet. NORDUnet & SURFnet provides 10G transit to NetherLight.

Plans

- WSS upgrade
 - DWDM equipment swap
 - Reduce need for OEO
- New Iceland Link (OC48/OC192) in planning
- Additional 10Gs on Amsterdam Link as needed
- Additional Cross Border fiber interconnects – Poland, Germany, Baltic states under investigation.

NOX Nordic Reach

- Sweden: OptoSUNET. Full optical / DWDM service live
- Norway: UNINETT offering 1G / 10G national lambda service
- Denmark: Fiber tender completed, DWDM tender ongoing, some lambda service available
- Finland: Tenders being finalized, some lambda service available
- Iceland: no lambda service (yet)

Thank you!
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