

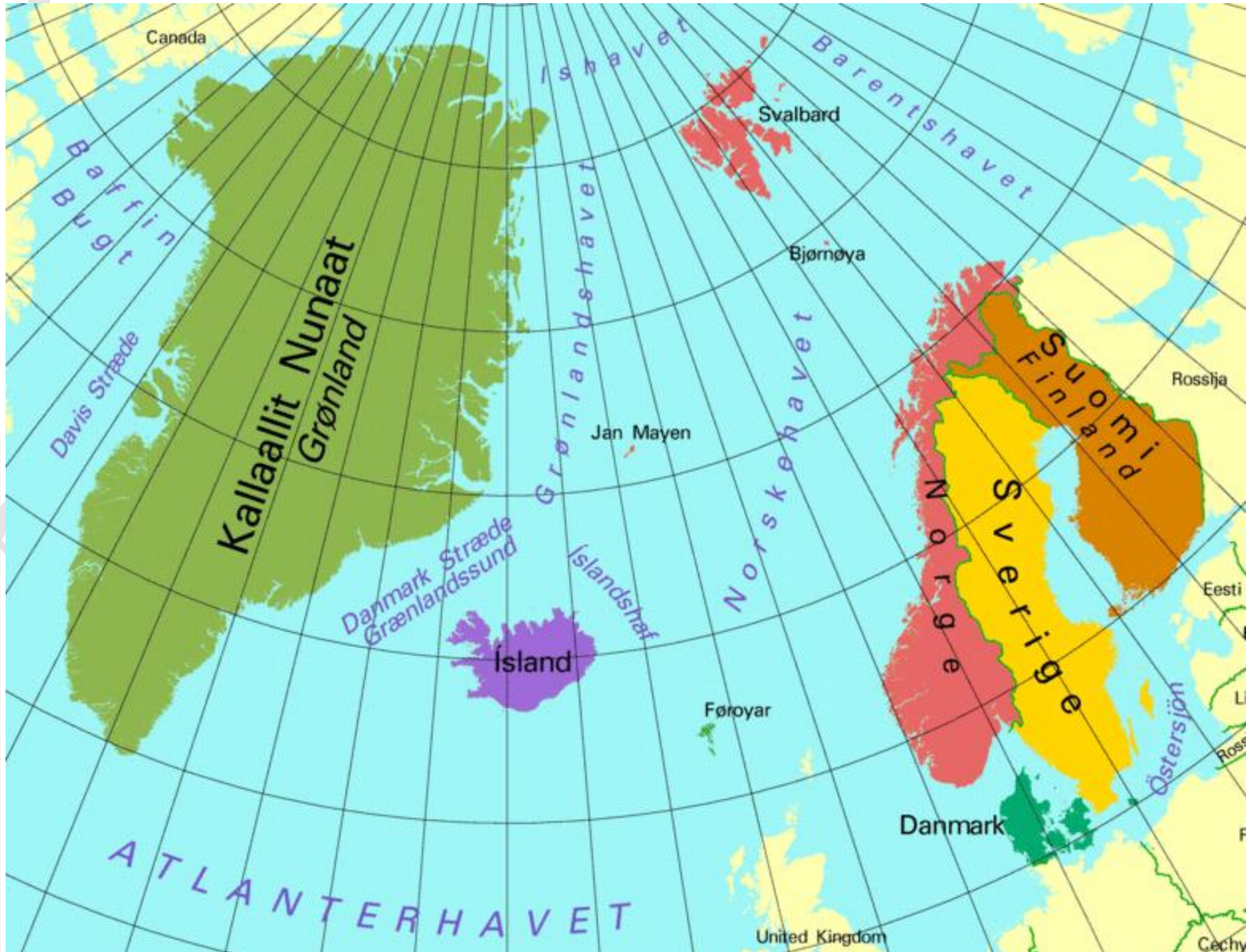
NORDUnet Collaborations with Africa

Lars Fischer

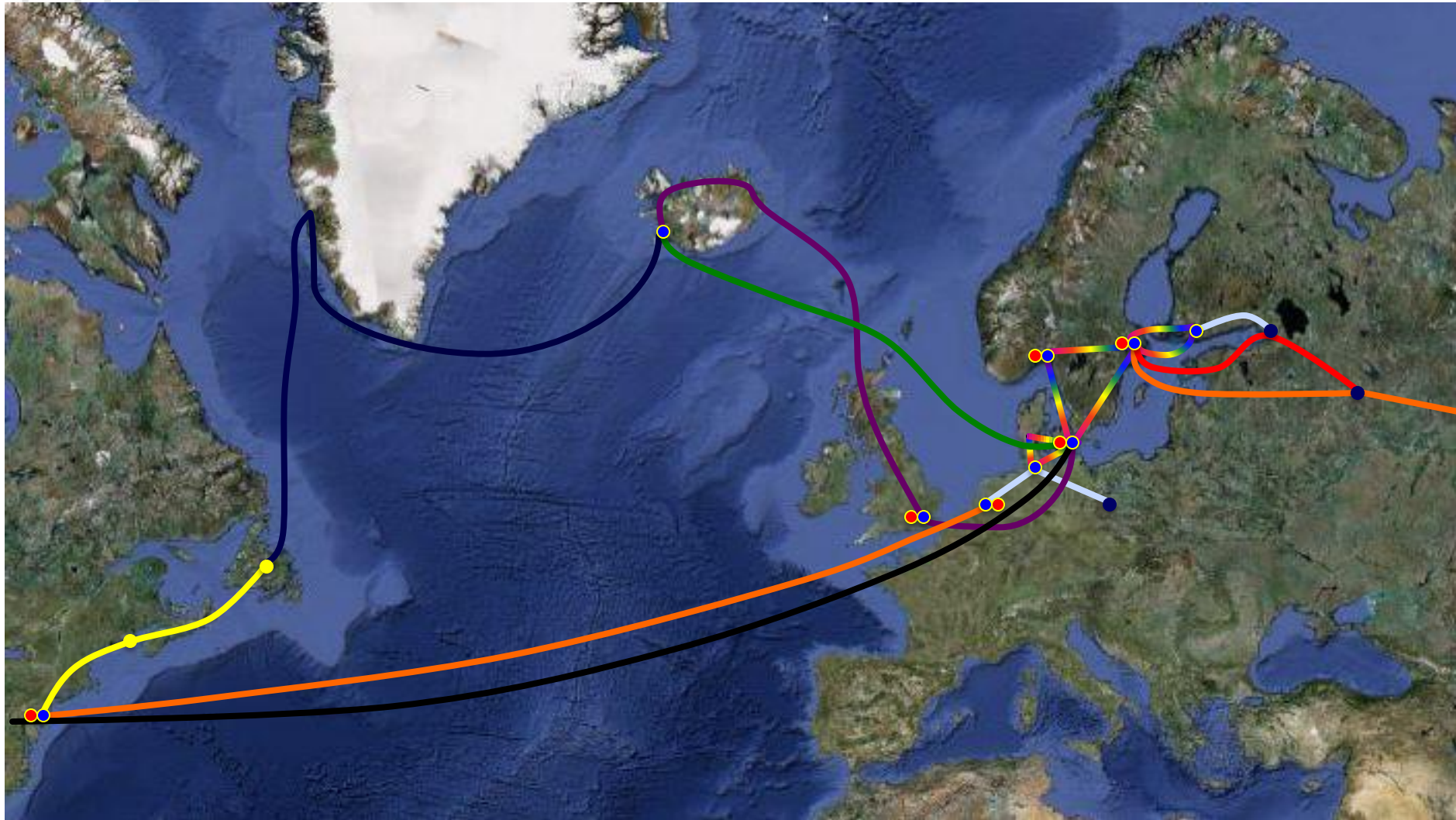
CTO, NORDUnet

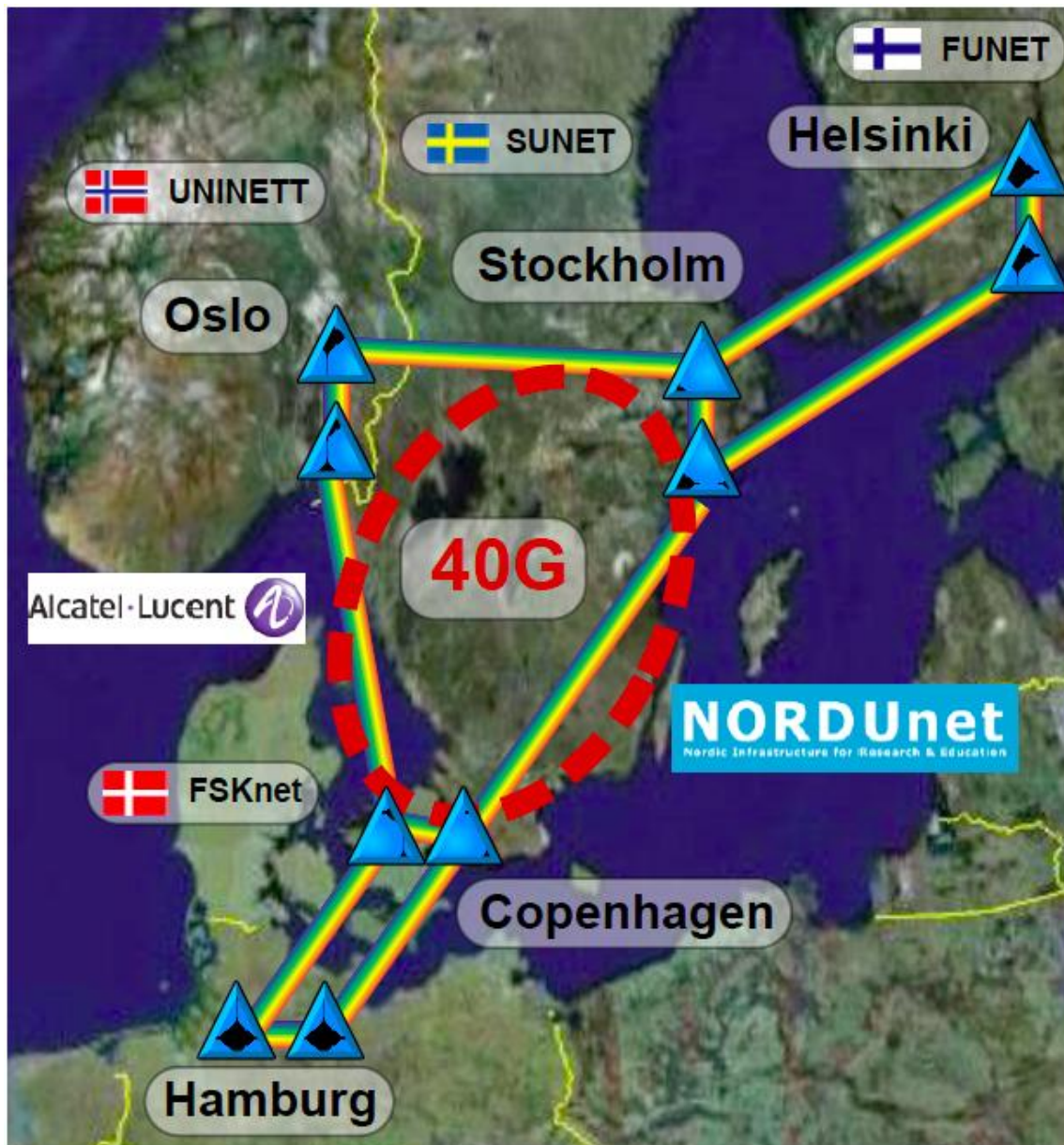
**2010 EURO-AFRICA
E-INFRASTRUCTURES CONFERENCE**

Helsinki, 9-10 December 2010



- Regional Network for Nordic countries
 - Denmark, Sweden, Iceland, Norway, Finland
- Organization
 - Incorporated, non-profit
 - Owned by 5 Nordic NRENs; 100% funded by NRENs
 - Cost shared according to National GNP
 - Staff: 20
- Regional network
 - One NREN for each Nordic country
 - Each NREN connect to NORDUnet
 - NORDUnet provide interconnect, connectivity
 - NORDUnet participates in GEANT and other European efforts on behalf of the Nordic NRENs





- Network Interconnect
 - State-of-the-Art regional network
 - Dynamic E2E, Virtualization capability
 - Trans-Atlantic & North-Atlantic infrastructure
 - Europe connectivity – GÉANT, Cross-Border Fibre
 - Peering fabric, Internet exchange, IP Transit
- Forum for Collaboration & Coordination
 - Inter-NREN services, service sharing and sourcing
 - AAI, Storage, Hosting, video conferencing
 - Design, Operations of specific services
 - International projects and relations
 - Global partnerships
- 24/7 NOC
 - Operations services

- 25 years of collaboration
 - Doing together what we cannot do alone
 - Represent the Nordic countries internationally
- Benefit to the Nordic NRENs
 - Connectivity, Cost efficiency, greater reach, scale
 - Global participation (GEANT, GLIF, GLORIAD,)
 - eScience infrastructure services – networks for major projects, grid computing, storage services
- 5 countries, one network, one voice
 - We coordinate internally, and speak in one voice externally
 - Acting as a region, 5 small countries can play a role in global R&E networking

- Not Partner in Africa Connect
 - Other EU NRENs are already in
- Partner in GLORIAD
 - Support for efforts in Egypt, Northern Africa
 - GLORIAD connectivity extending south
 - Support initiatives with international connectivity, GLORIAD infrastructure
- Assist Nordic research with projects in Africa
 - Astronomy, satellite data downlink
- Support community build, local NRENs
 - Relation to on-going or new projects

NORDUnet

<http://www.nordu.net>