

NORDUnet Optical Exchange Update

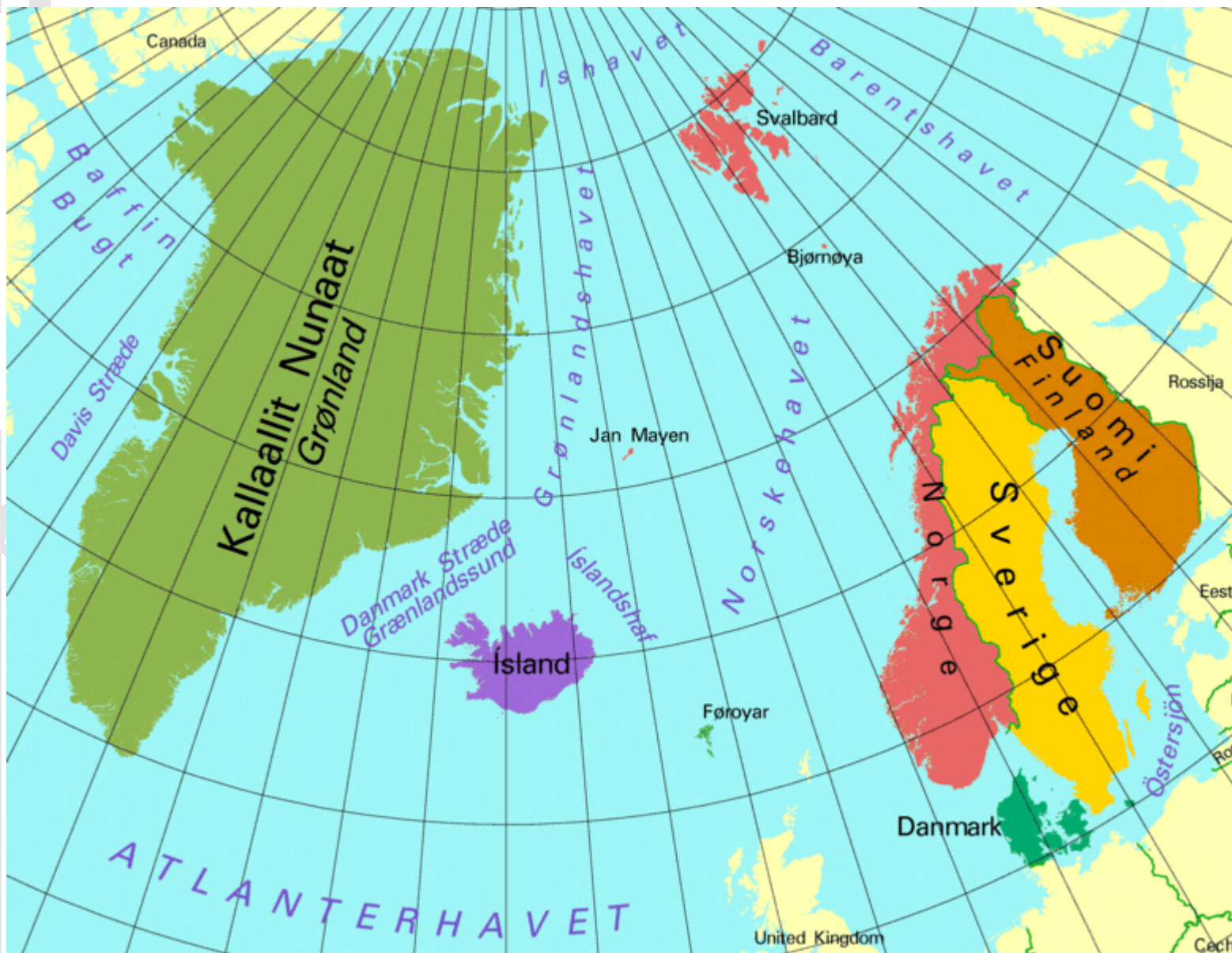
Lars Fischer

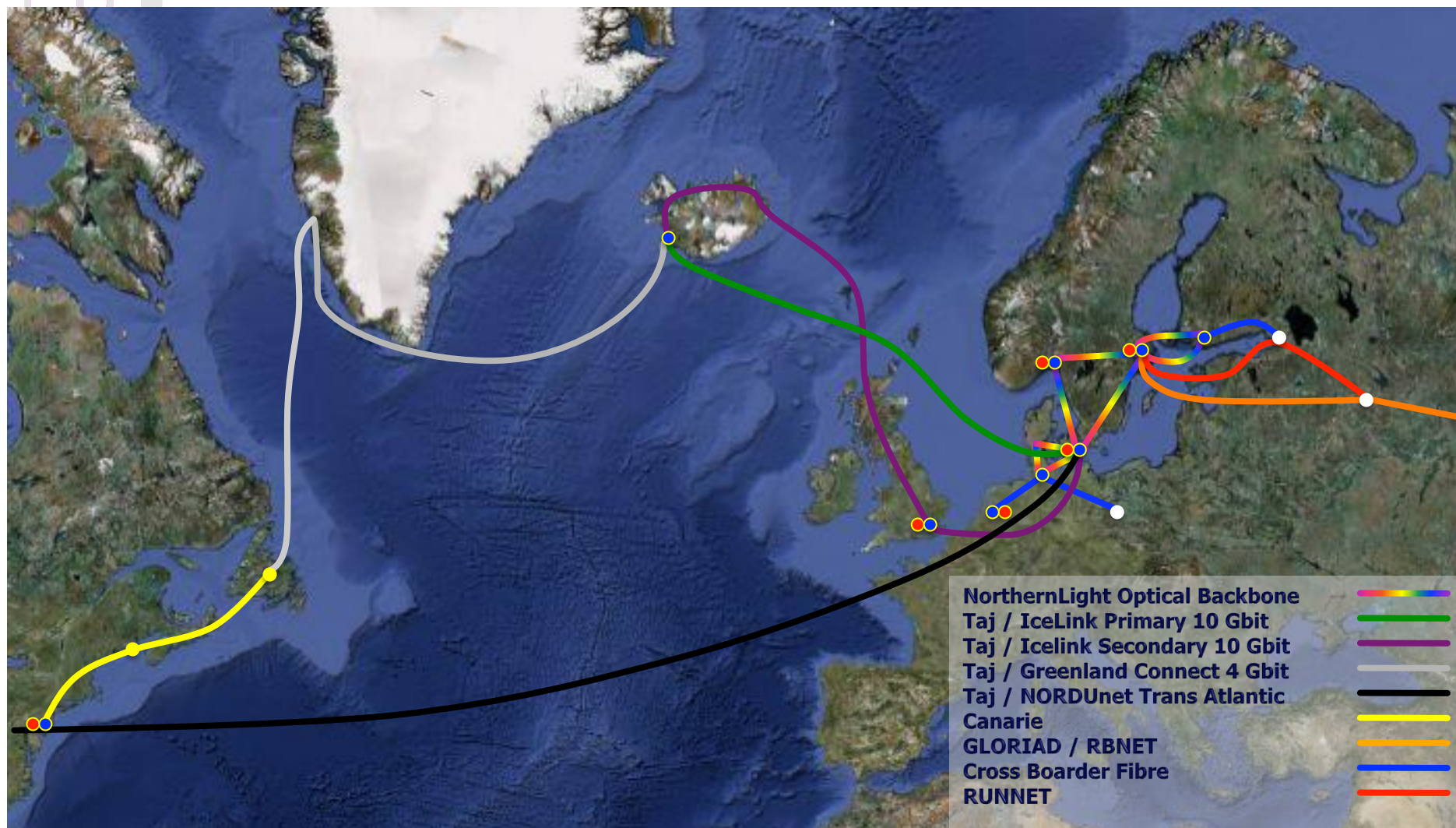
9th Annual Global LambdaGrid Workshop
Daejeon, 27 October 2009

Our Fiber-Optic Network is
already in your neighborhood



comcast

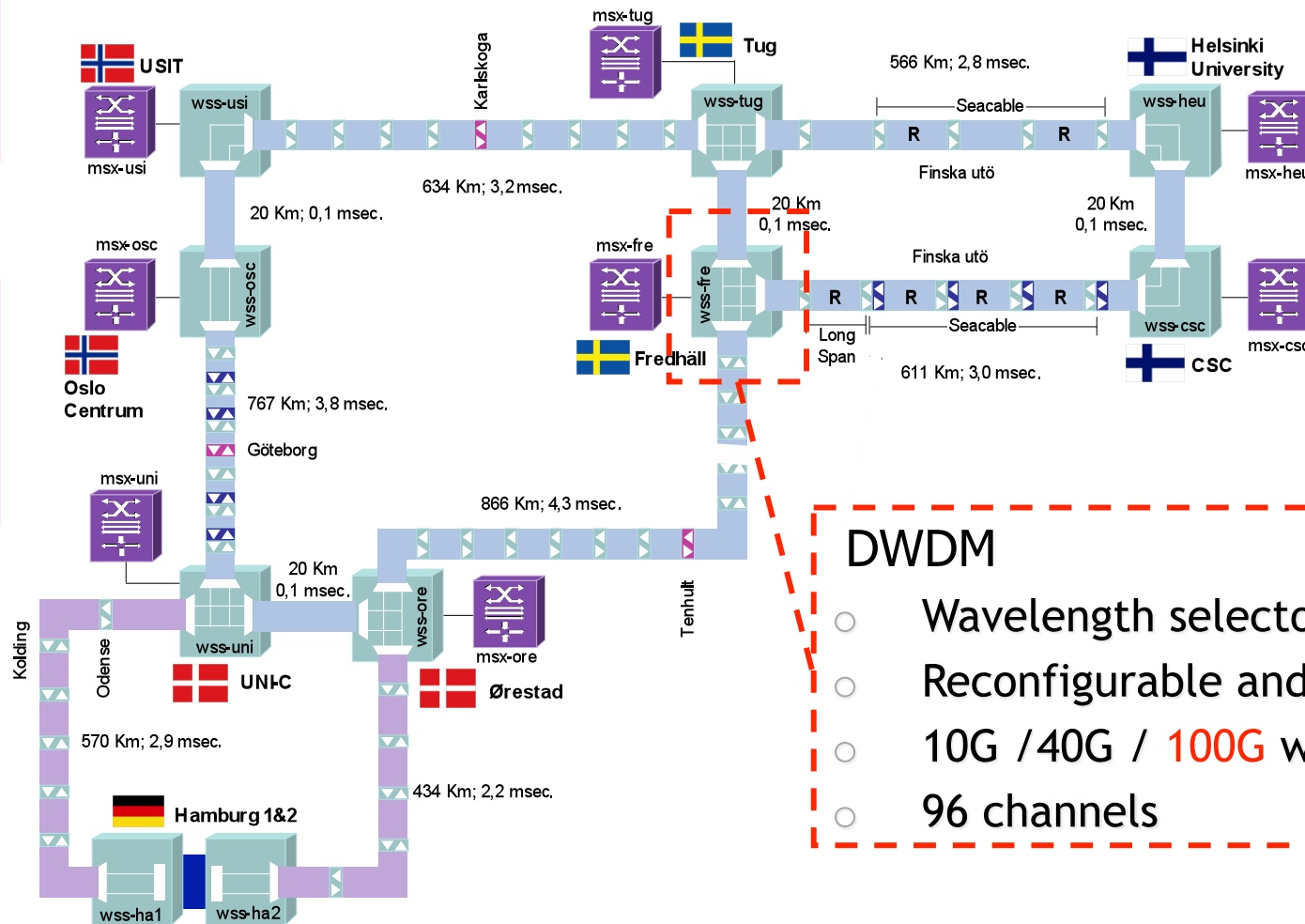






NORDUnet

Nordic infrastructure for Research & Education

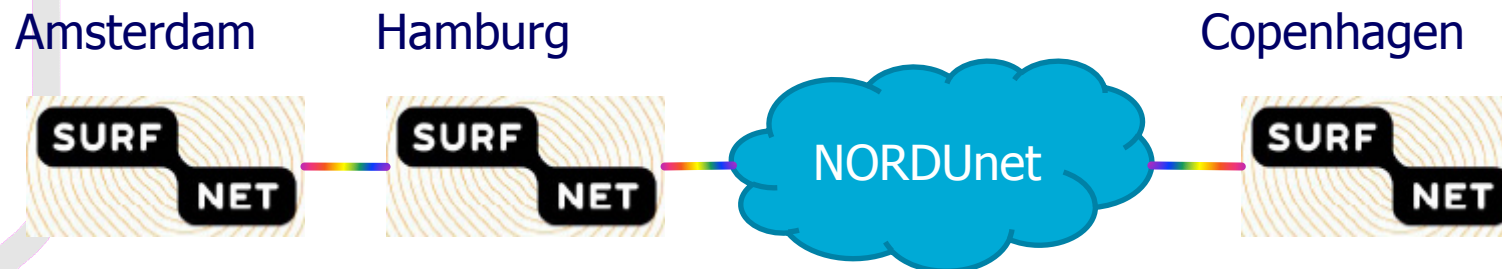


DWDM

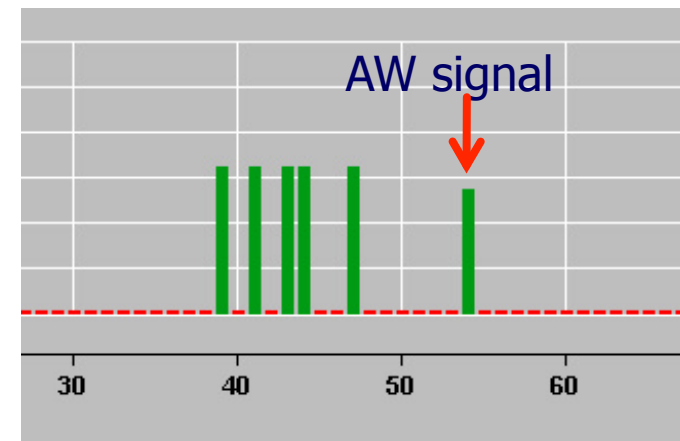
- Wavelength selector switches
- Reconfigurable and tunable
- 10G / 40G / 100G waves
- 96 channels



- Trial of Multi-domain Alien Wave
- 40G Alien Wave Amsterdam – Copenhagen
- Nortel end-systems, Alcatel-Lucent transport



Consistent behaviour of WSS despite different modulation and speed.

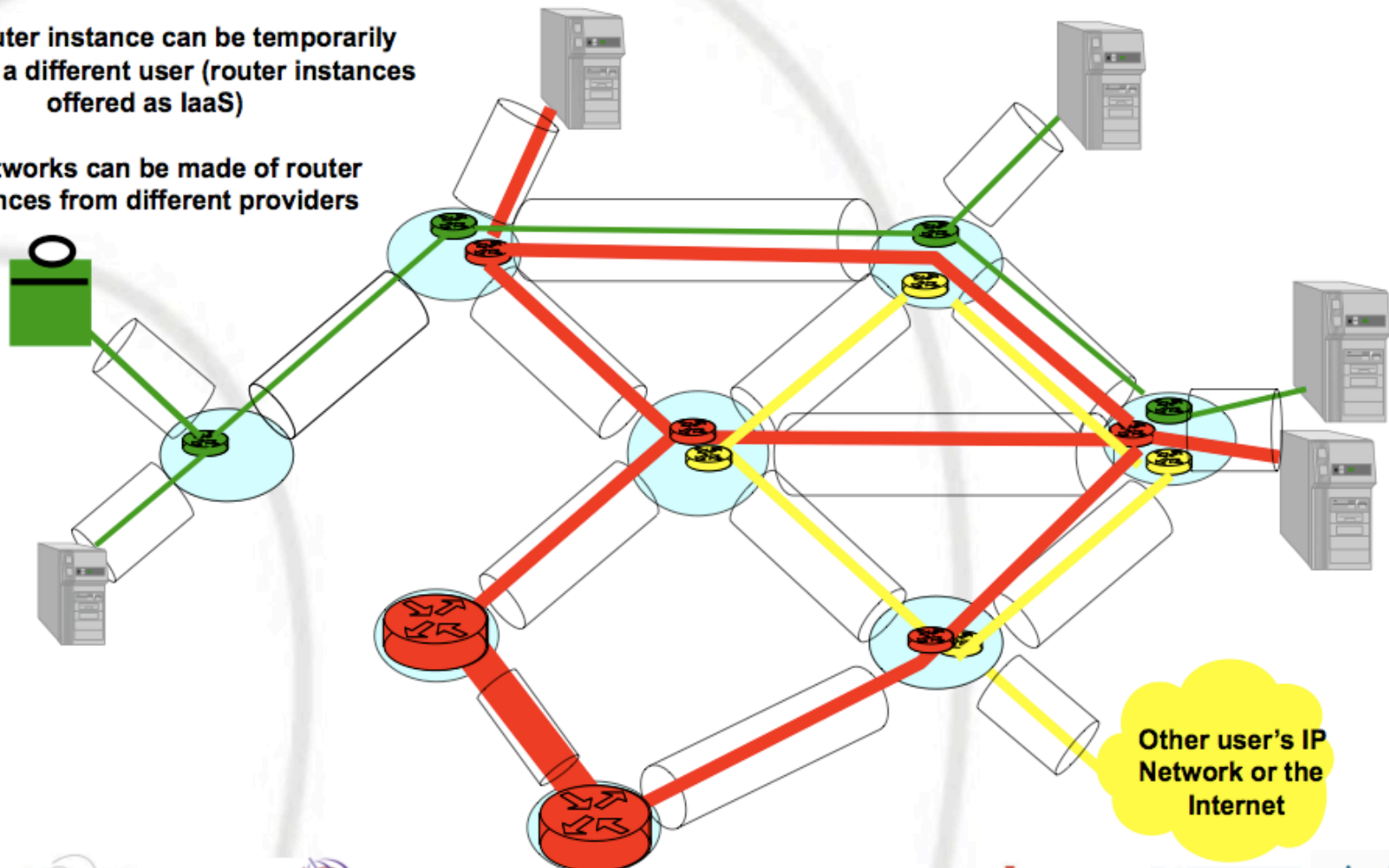
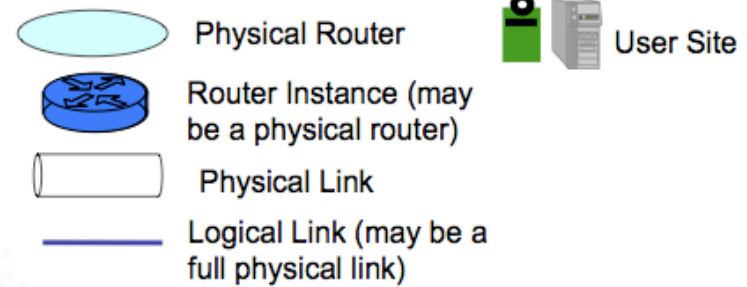


Parallel networks sharing the same substrate

Each user's IP network is represented by a different color

Each router instance can be temporarily owned by a different user (router instances offered as IaaS)

IP Networks can be made of router instances from different providers



- Continue Cross Border Fiber efforts in Europe
- Drive 100G trials and deployment in NORDUnet, GN3
- Dynamic GOLE trial
- ...