

# **WELCOME TO GLIF**

## **Technical Working Group**

### **Summer 2018 meeting**



**Helsingør, Denmark**  
**21 September 2018**

# You Are Here

- Hosted by NORDUnet
  - 18th Annual Global LambdaGrid Workshop
  - Thanks to our hosts
  - Thanks to all of you for participating
- Traditional meeting schedule:
  - End of summer (annual LambdaGrid workshop)
  - BOFs at major conferences
  - TECH / TF meetings in parallel w/ conferences
- GLIF TECH is about
  - Community reflection, discussion, alignment
  - Traditionally centered on taskforces
  - Participation



- Your co-chairs:
  - Lars Fischer (NORDUnet)
  - Eric Boyd (University of Michigan)
- Secretarial support:
  - GLIF Secretariat by GÉANT Association
  - Secretary: Kevin Meynell
- Mailing list:
  - < tech at glif . is >
  - + task force lists



# GLIF network vision

- Optical networks
- GOLE-by-GOLE circuit routing
- Global networking for global science





- Volunteers realizing the vision
- Defined Open Exchanges, Lambdas, and other GLIF resources
- Worked on
  - Control planes
  - Network Descriptions
  - Dynamic Provisioning
  - AutoGOLE
  - NSI

## [GLIF mini-glossary](#)

**GLIF network resources:** GOLEs and lambdas

**GOLE:** GLIF open lightpath exchange, comprised of one or more network devices performing lightpath switching.

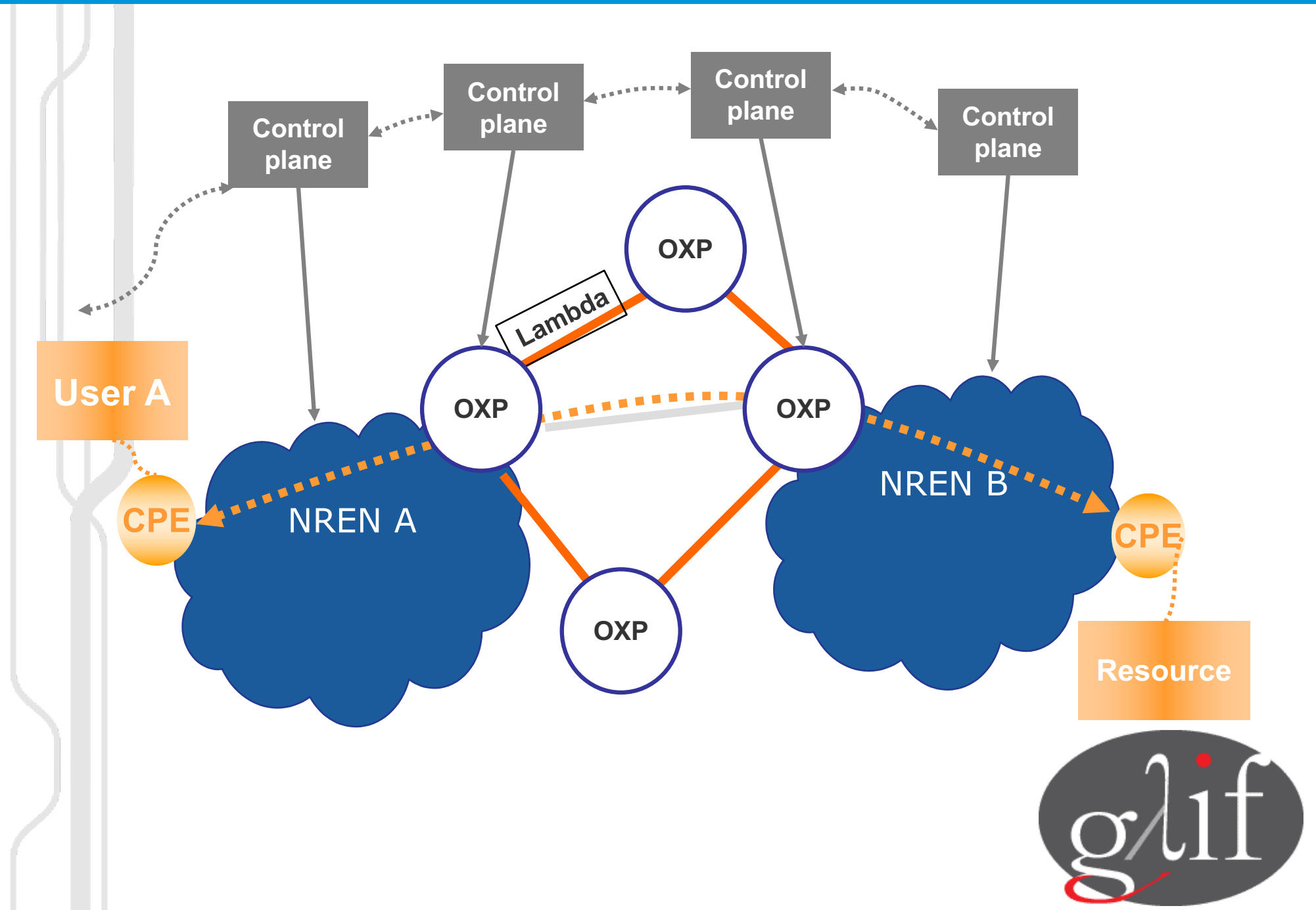
**lambda:** a high-capacity optical circuit which terminates on a GOLE

**lightpath [service]:** a high capacity circuit or QoS-supported virtual circuit [service], or the concatenation of several of these to form an end-end lightpath. A lightpath can take up a portion or all of the capacity of a lambda.

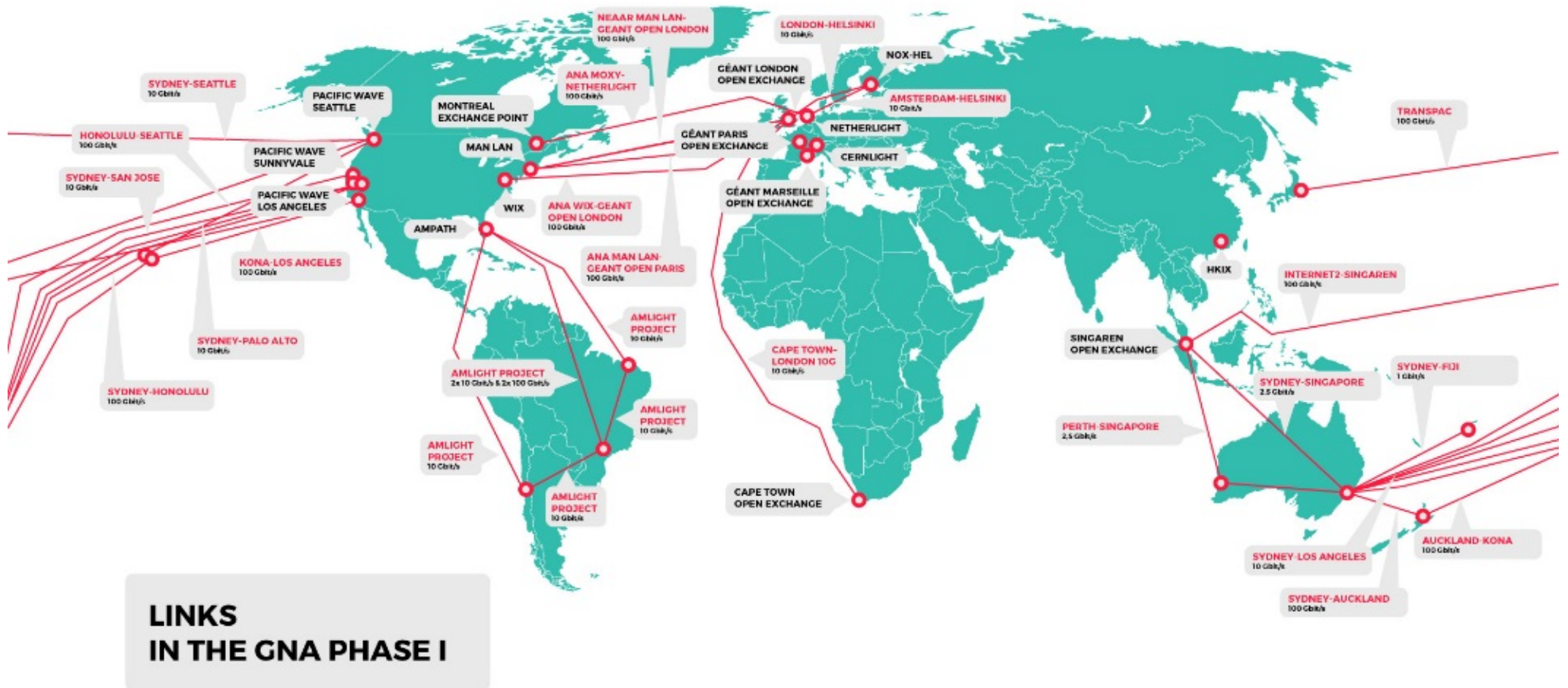
From "GLIF FAQ", by René Hatem, 2006



# OXF networking - AutoGOLE



# OXPs Across the Globe



# Production Resources





# **Thank You**

**Lars Fischer**

**[lars@nordu.net](mailto:lars@nordu.net)**

**<http://www.glif.is>**