WELCOME TO GLIF
Technical Working Group
Summer 2017 meeting

Sydnet, Australia
26-27 September 2017

You Are Here

- Hosted by AARNET and University of Sidney
  - 17th 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

Admin

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

GLIF network vison

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

GLIF TECH

- 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

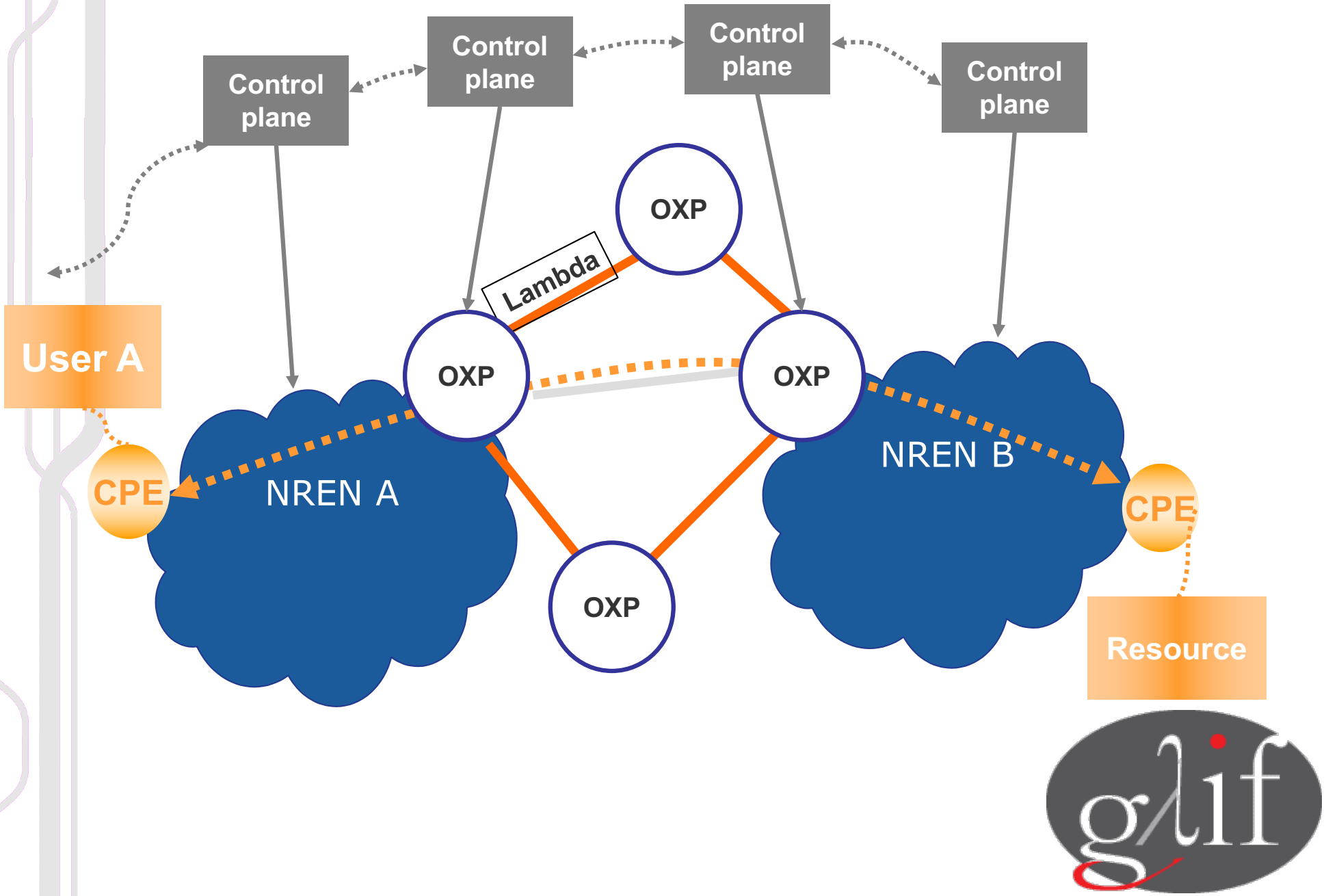
GOLE: GLIF open lightpath exchange, comprised of one or more network devices performing lightpath switching.

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

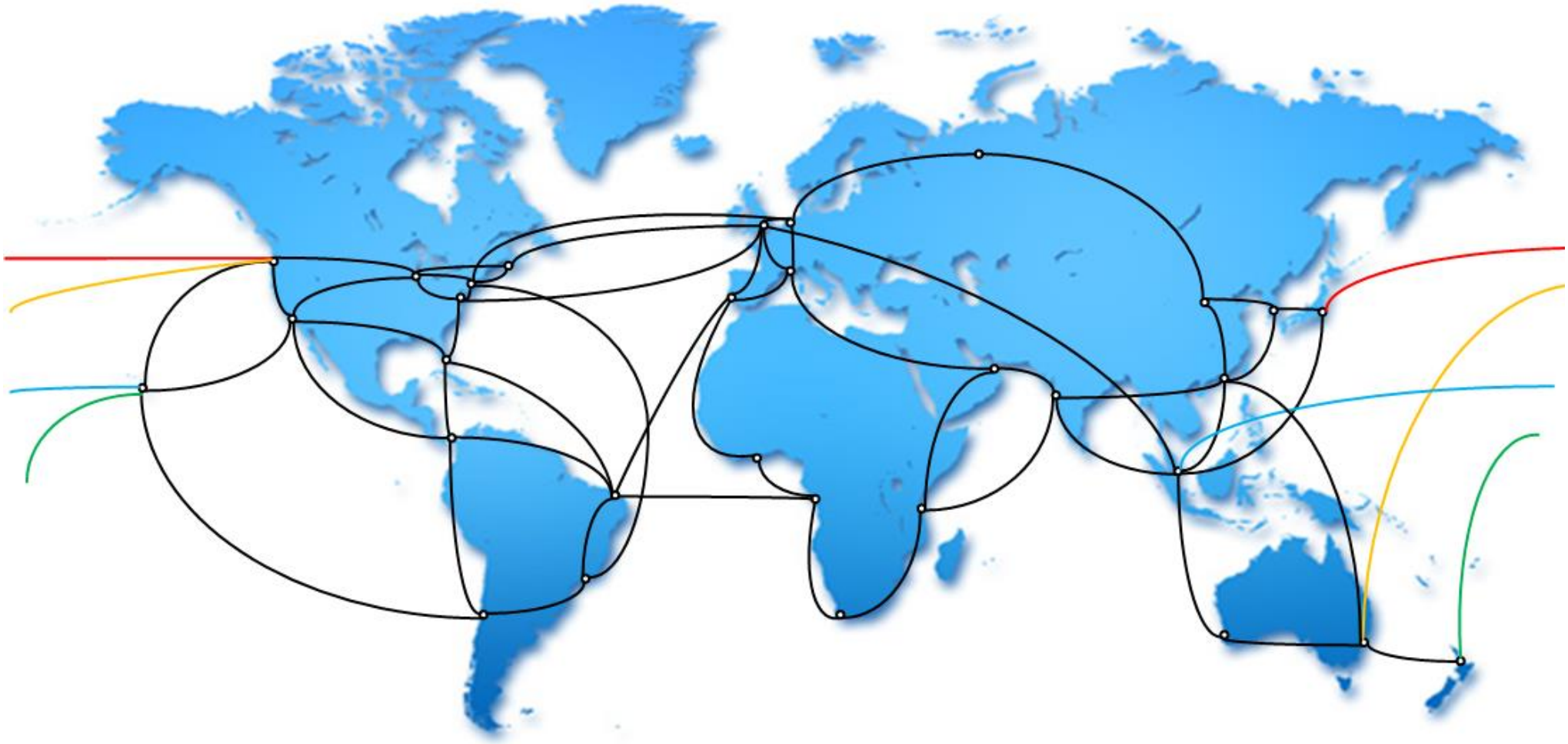
OXP-centric networking



NSI Framework

- OGF NSI working group
- AutoGOLE TF
- NSI Imp TF

Taking it to Production Networks



Next?

- New technologies?
- Fully Optical?
- Fully programmable?
- Solving production problems?
- Closer to science projects?
- Conversation-focus?
- Deliverable-focus?

Agenda

Time	Subject
13:45 – 14:00	Welcome, admin – *Lars Fischer*
14:00 – 17:00	Transforming Networking
17:00 – 18:00	Future GLIF Tech Activities – David Wilde
09:00 – 10:00	GOLE Updates
10:00 – 10:15	GOLE Attributes - Jeronimo Bezerra
10:15 – 10:30	AutoGOLE Taskforce – John Hess

Thank You

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