



WELCOME!

**14th Technical Working Group
Meeting**

“Tech WG”

Geneva, CH – October 13 & 14, 2010



Where are we & how do we work?

- 10th Global LambdaGrid Workshop at CERN

Thank you CERN and the GLIF Secretariat

- Meetings:
 - End of summer (lambda workshop)
 - Winters (interim Tech)
- GLIF Tech has “Task Forces”
- GLIF Tech coordinates demos from participants



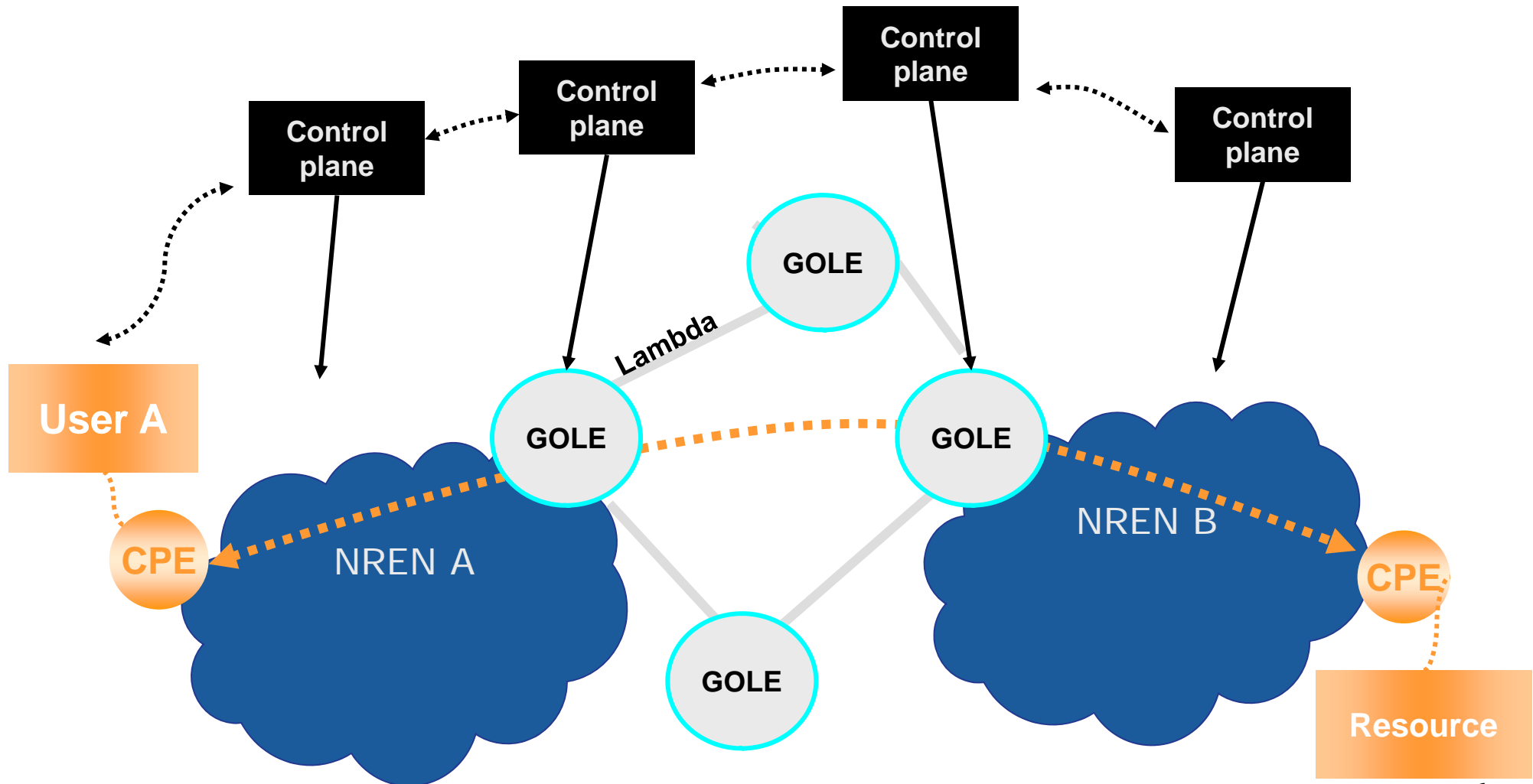
GLIF Tech basics

- Your co-chairs:
 - Gigi Karmous-Edwards (NCSU)
 - Erik-Jan Bos (SURFnet)
- Secretarial support:
 - Kevin Meynell (TERENA)
 - Peter Szegedi (TERENA)
- Mailing list:
 - < tech @ glif . is >

Current GLIF Tech TFs/chairs

- PerfSONAR: Thomas Tam (wrap up)
- GNI-API: Evangelos Chaniotakis
- Dynamic GOLE Services: John Vollbrecht
- Distributed Topology Exchange: Jeroen vd Ham
- Resource Allocation: Gigi Karmous-Edwards
- Campus Networking: Ronald vd Pol
- Next Gen GOLE Architecture: Eric Bernier

The GLIF approach to lambda networking



GLIF resources

GLIF infrastructure:

- Lambdas shared by GLIF participants
- GOLEs (GLIF Open Lightpath Exchanges)
- And of course: Hybrid, lightpath capable networks run by the GLIF Participants

GOLEs and Lambdas

- AMPATH - Miami
- CERNLight - Geneva
- CzechLight - Prague
- HKOEP - Hong Kong
- KRLight - Daejeon
- MAN LAN - New York
- MoscowLight - Moscow
- NetherLight - Amsterdam
- NGIX-East - Washington D.C.
- NorthernLight - Stockholm
- Pacific Wave (Los Angeles) - Los Angeles
- Pacific Wave (Seattle) - Seattle
- Pacific Wave (Sunnyvale) - Sunnyvale
- SouthernLight - São Paulo
- StarLight - Chicago
- T-LEX - Tokyo
- TaiwanLight - Taipei
- UKLight - London



High level agenda (1)

Day 1 – October 13, 2010

13:30 – Tech WG introduction

13:40 – Major updates (GOLEs & other resources)

14:15 – Update on Internet2's ION service

14:30 – GridARS

14:45 – Overview on OGF NSI-WG

15:00 – Break {back at 15:30}



High level agenda (2)

Day 1 – October 13, 2010

15:00 – Break

15:30 – perfSONAR TF (wrap up & demo)

15:45 – GNI-API TF (update)

16:26 – Dynamic GOLE Services TF (progress & demo)

17:00 – Break {back at 17:30}



High level agenda (3)

Day 1 – October 13, 2010

17:00 – Break

17:30 – Demos:

- 40 Gbps streaming application (part 1) - *SARA*
- Automated GOLE pilot & perfSONAR - *joint Dynamic GOLE, GNI-API, perfSONAR, and Topology Exchange Task Force demonstration*
- Packet-by-Packet Microscopic Observation - *Keio University, DMC*
- 40 Gbps streaming application (part 2) - *UvA*
- HPDMnet: Multi-Domain Dynamic Provisioning and High Performance Digital Media and Visualization - *ICAIR, PSNC, CERN*
- GridARS: Resource Management Framework for Multi-domain Cloud - *AIST*



High level agenda (1)

Day 2 – October 14, 2010

09:00 – Distributed Topology Exchange TF

09:30 – Resource Allocation TF

10:00 – Campus Networking TF

10:30 – Break {back at 11:00}



High level agenda (2)

Day 2 – October 14, 2010

10:30 – Break

11:00 – Next Generation GOLE Architecture TF

11:20 – Open DRAC update

11:35 – GEYSERS

11:50 – GLIF Tech: What's next?

12:15 – Summary, closing

Thank you! Questions?

Please mark your calendar for the:

15th GLIF Tech WG Meeting
24-25 February 2011
Hong Kong, China

Colocated with APRICOT-APAN.Asia/2011 21-25 Feb 2011:

<http://www.apricot-apan.asia/>



Main Conference: 21-25 Feb, 2011
Workshop: 15-19 Feb, 2011

Hong Kong Convention and Exhibition Centre

